

USER MANUAL

Dialog **NIBELUNG**

Digital Language Laboratory



Lain
LABORATORY

www.lainlab.com

This document contains Dialog Nibelung user manual.

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1. NOTATION

Notation in this document:



Critical note



Important note



For your information

Nibelung

- software and window titles

Start

- user interface elements (menus, buttons, etc.)

\Nibelung\

- file names, paths, etc.

Admin

- keyboard input

Ctrl+Enter

- keyboard shortcut

google.com

- Internet addresses

2. INTRODUCTION

Dialog Nibelung is a feature rich software based learning tool. This software product transforms a computer classroom into a language lab enriched with interactive multimedia environment. At the same time it allows effective teaching of many other educational subjects and test students with its integrated quiz system.

Dialog Nibelung can be installed in an existing computer classroom equipped with Local Area Network (LAN). Audio and video materials, documents, and other files can be easily transferred from one computer to another. Student computers can be remotely controlled from the teacher's workstation.

Dialog Nibelung is a software complex, easily installable and configurable, which does not require any additional hardware.

Intuitive user interface helps the teacher to quickly master the software and effectively use it to teach virtually any course.

Features of **Dialog Nibelung**:

- supports up to 64 student seats in single installation (actual number limited by a hardware dongle);
- students can be organized into up to 10 groups, with further pairing of students within the group;
- a group can perform several tasks simultaneously;
- simulation of phone conversations;
- teacher can monitor or talk to individual students, pairs and groups;
- general call (for all the students);
- send audio to students and groups;
- up to 10 independent audio/video sources (one for each group);
- ability to use several audio interfaces;
- ability to use several different CD drives;
- send video to student workstation, including from an external source (video capture card);
- show live screen from teacher workstation on student computers;
- show live screen from a student workstation to the teacher and other students;
- automated monitoring of student workstations;
- teacher can monitor screen thumbnails and web cam feeds for the whole class or selected students;
- send and receive files and documents to/from students;
- prepare, distribute, and collect homework assignments;
- complete remote control of student computers from the teacher workstation: take control of keyboard and mouse, launch applications, block input, power off, limit Internet access, block application launch, terminate processes;
- ability to disable all removable media on student workstations;
- students can record audio to their local or teacher's file system in **WAV** and **MP3** formats;
- students can work independently with a digital media player/recorder;
- playback of audio files in **WAV**, **MP3** or **WMA** formats on student workstations;
- playback of video files on student workstations;
- audio tracks can be subtitled;
- visualization of audio tracks;
- visualization of recorded students voices;
- up to 9 bookmarks in media players;
- record audio from different sources (aux input, CD drive, teacher and student voices) into files for further work;
- different groups can listen to different audio tracks from one CD;
- instant messaging between teacher and students and chat sessions for student groups;
- use web pages as teaching aids;
- wireless networking support (with some limitations);
- graphic layout of the virtual classroom;
- information on each class (teacher's name, student list, class layout) stored in a class file;
- separate personal folders for different teachers to store class files, audio and video materials, etc.;

- individual logs books for every teacher to track attendance and grades;
- integrated quiz subsystem;
- automatic online updates.

3. INSTALLATION AND SETUP

3.1 Overview

Dialog Nibelung includes two principal modules: teacher module and student module, together with some additional modules, some of which can be run as standalone programs: quiz module, configuration module, media player, video converter, etc. Teacher module should be installed on the teacher workstation and student module should be installed on each student workstation.

Teacher module ([Figure 1](#): on page 10) controls the computer classroom, transmits audio and video materials, documents, and other files. It also implements other functionality of the language lab.

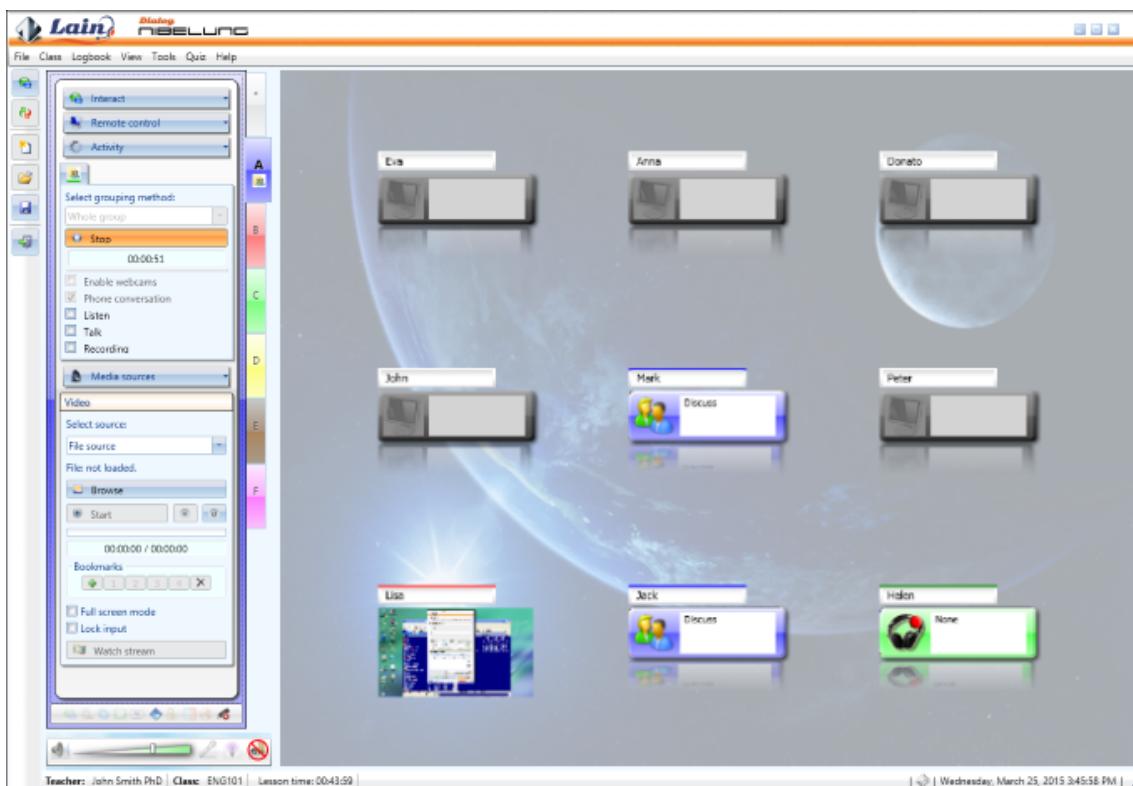


Figure 1: Teacher module window

Student module ([Figure 2](#): on page 10) works under control of the teacher module. It can also be used as a standalone audio player.



Figure 2: Student module window

3.2 System requirements

- Operating system:
 - Windows XP SP2;
 - Windows Vista;
 - Windows 7;
 - Windows 8, Windows 8.1;
 - Windows 10;
 - Windows Server 2003;
 - Windows Server 2008, Windows Server 2008 R2;
 - Windows Server 2012, Windows Server 2012 R2;
- .NET Framework 4.0 Client Profile;
- Java Runtime Environment (JRE) 1.6 or higher (*for the quiz system*);

.NET Framework 4.0 Client Profile and **JRE** are included in **Dialog Nibelung** installation package.

Windows Media Player 10 comes as a standard part of Windows Vista and subsequent Windows versions.



Attention: Some anti-virus software may interfere with certain functions of **Dialog Nibelung** (e.g. *file transfer*). If this is the case, this anti-virus software will have to be properly set up or even disabled.

3.3 Hardware and network requirements

PC hardware prerequisites:

- at least 1 GHz CPU clock frequency;
- at least 1 GB of RAM (2 GB or more recommended);
- 30 MB hard drive storage for software installation;
- screen resolution of at least 1024x768 with color depth of at least 16 bits;
- AC97 or RealTek HD Audio compatible sound interface;
- 100 Mbps network interface;
- headset equipped with a microphone.



Attention: Local Area Network switch in the classroom must support **IGMP v2** protocol.



Important: We recommend that the teacher workstation be provided with a static IP address.

3.4 Installation notes

Contents of the installation package:

- Docs – **Dialog Nibelung** documentation;
- Nibelung – **Dialog Nibelung** distribution folder;
 - DotNetFX40ClientKB2468871 – **.Net Framework 4.0 Client Profile** runtime software environment for **Dialog Nibelung** (already included in Windows 7, 8 and 10);
 - jre – **Java Runtime Environment** for the quiz system;
 - WindowsInstaller4_5 – for installation on outdated versions of Windows that do not include the Installer);
 - nibelungmain.msi – **Dialog Nibelung** teacher module installation file;
 - nibelungclient.msi – **Dialog Nibelung** student module installation file;
 - setup-nibelungmain.exe – teacher module installer;

- setup-nibelungclient.exe – student module installer;
- NPlayer – **Dialog NPlayer** installation files for standalone use (e.g., on a home computer);
- NPW – **Nibelung Power Watch** installation file, NPW is an application for displaying tablets battery status;
- NQuiz – **Dialog NQuiz** test system with documentation and cross platform installer for standalone use (e.g., on a home computer);
- SampleContent – audio and video examples;

The following is also included on the installation CD for your convenience:

- AdobeReader – PDF files viewer;
- KB – Windows system updates necessary to install and run **Dialog Nibelung**;
- Lang – autorun language files;
- SimpleDict – freeware crossplatform multiformat dictionary distributed under Academic Free License;
- VideoConverter – freeware video editor and format converter;
- WMP – **Windows Media Player 10** (might be necessary for older versions of Windows);

Before you begin



Attention: We highly recommend to familiarize yourself with the Installation Guide before you start the installation.

Since **Dialog Nibelung** student module has to be installed on a number of computers, it is advantageous to first copy the installation files (Nibelung folder on the CD) to a network share (if available) and start installation program from there:

\Nibelung\setup-nibelungclient.exe

Dialog Nibelung installation program will first check your Windows system for missing components and will automatically install them as necessary. This might take up to 30 minutes and may require the computer to be rebooted.

During the student module installation you will have to enter the **Student Workstation ID** (a number unique to every workstation), and **IP address** or network name of the teacher workstation. Click the **Start** button on the teacher workstation, then right-click on **Computer**, select **Properties** to look up the network name. Your computer name will be listed near the bottom of the window that opens under **Computer name -> domain and workgroup settings**.

During the teacher module installation you will have to enter your company name, license number and license key.



Important: Default teacher name: **Admin**, default password: **Admin**. We highly recommend creating **Dialog Nibelung** accounts for every teacher and use the **Admin** account only for administration purposes.

3.5 Installation guide



Attention: You will need Windows administrator privileges to install **Dialog Nibelung**.



Important: Only teacher module should be installed on the teacher workstation and only student modules on the student workstations. Do not attempt to install both teacher module and student module on the same computer.



Important: The following packages will be automatically installed whenever necessary: **Microsoft .NET Framework 4.0 Client Profile**, **Windows Installer 4.5**, **Java Runtime Environment (JRE)**.



Important: Although the installation software described in this section is referred to as the **Setup Wizard** (consistent with the Windows ecosystem practices), it is in fact an installation wizard. It will produce a usable setup with default settings. Please refer to section [Teacher module setup](#) on page 32 for further setup instructions.

Related Links

Teacher module installation on page 13
Student module installation on page 22
Post install notes on page 31

3.5.1 Teacher module installation

1. Insert installation CD into your computer CD drive.
2. An autorun window should appear on the screen (*Figure 3:* on page 13). Select teacher module installation (Install Dialog Nibelung teacher module). In case the autorun window has not appeared, you will have to launch \Nibelung\setup-nibelungmain.exe from the installation disk manually.

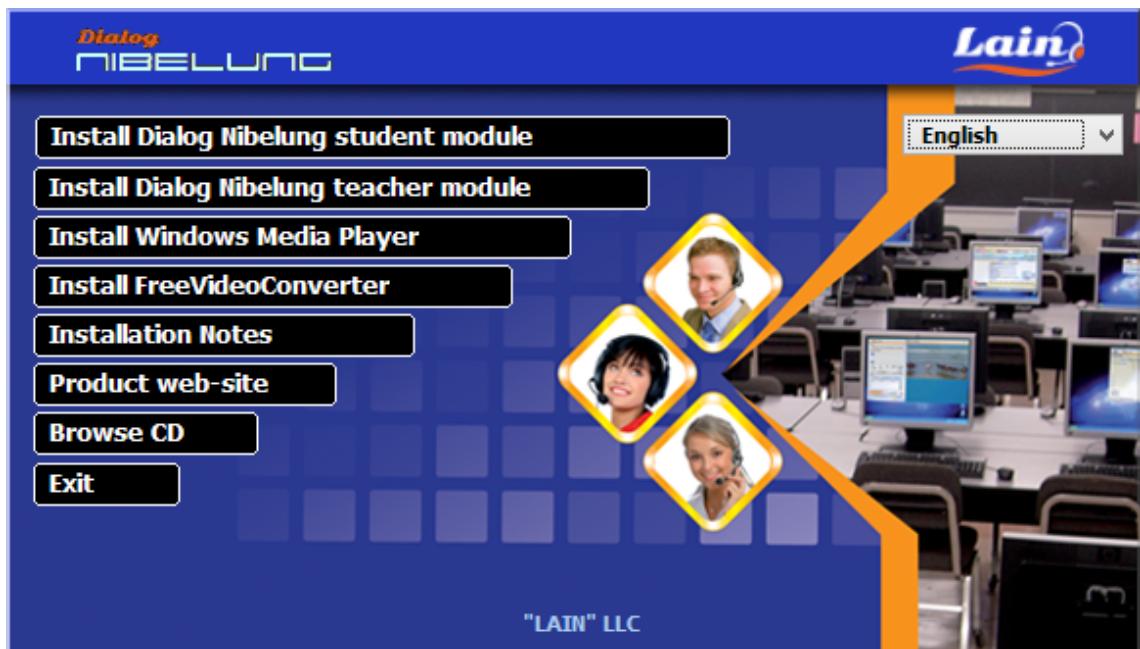


Figure 3: **Autorun** window

3. Dialog Nibelung Setup Wizard window should appear on your screen ([Figure 4](#): on page 14). Press the Next button.

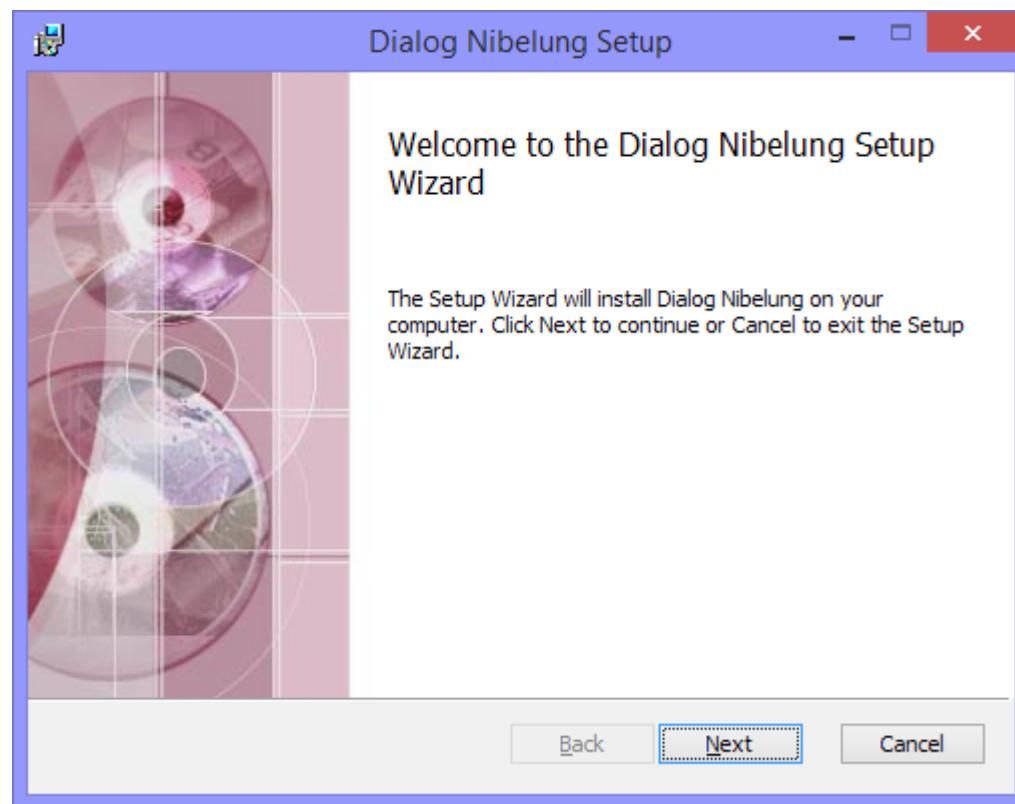


Figure 4: Teacher module **Setup Wizard** window

4. End User License Agreement window will appear on your screen ([Figure 5](#): on page 15). You must accept the License Agreement to proceed by checking I accept the terms of the License Agreement

box, followed by pressing the **Next** button. You can cancel the installation at any time by pressing **Cancel** button.



Figure 5: Teacher module **License Agreement** window

5. You should enter your company name, license number and license key into the **License Key** window that will appear next ([Figure 6:](#) on page 16). The license number and key are unique for every customer and you have received them when you purchased the software.

Press the **Next** button after you are finished.



Important: All our customers receive a USB dongle that sets the limits on the number of student seats. The USB dongle is only necessary to run the teacher module and is not required during installation.

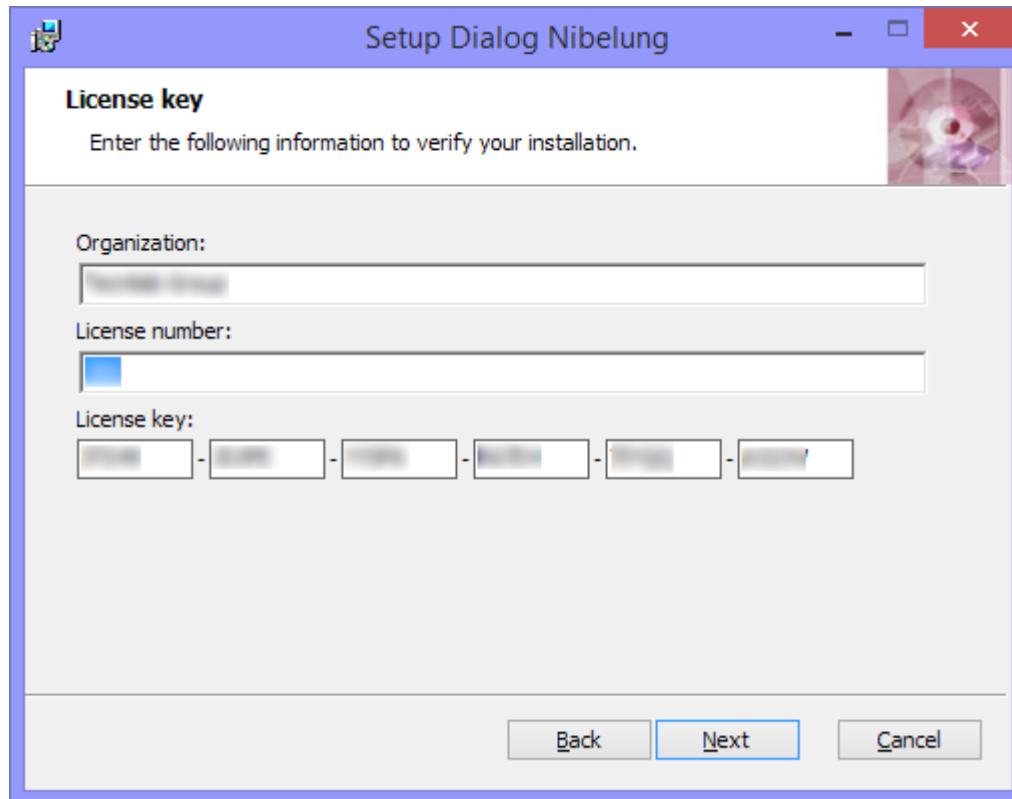


Figure 6: Teacher module License Key window

6. The next window on your screen will be the **Setup Type** selection window ([Figure 7:](#) on page 17). You can choose between:
 - **Typical installation** - installs default configuration that should suit most users
 - **Custom installation** - you can select which **Dialog Nibelung** components to install

- **Full installation** - installs all the components.



Figure 7: Teacher module **Setup Type** window



*Important: Most users should select **Typical installation**.*

7. If you have selected **Custom installation**, you will be able to choose components to install in the next window ([Figure 8: on page 18](#)).



Figure 8: Teacher module **Custom Setup** window



Attention: Only select **Custom installation** after you have had sufficient experience working with **Dialog Nibelung**.

8. After selecting installation type and pressing the **Next** button, you should see the **Destination Folder** window ([Figure 9: on page 19](#)) on your screen.



Tip: Default destination path is C:\Program Files\LAiN\Nibelung.

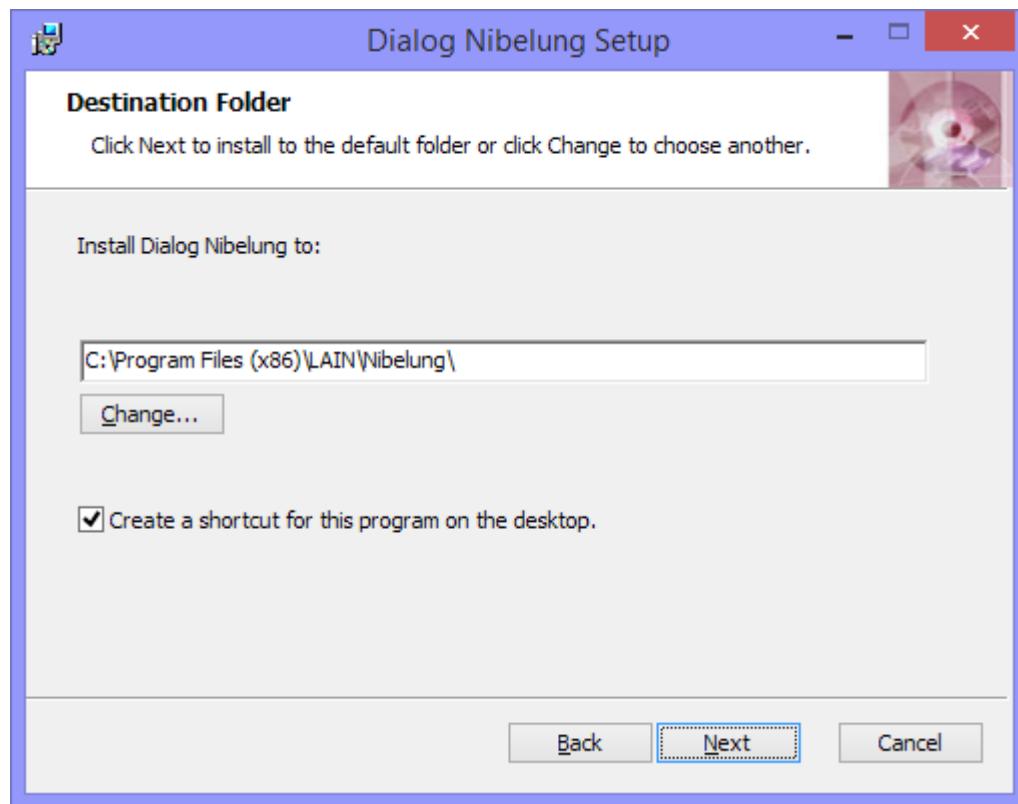


Figure 9: Teacher module **Destination Folder** window

You can choose a different destination by pressing the **Change** button. Press **Next** after you have finished.

9. The next window on your screen informs you that everything is ready to start the installation ([Figure 10:](#) on page 20).



Figure 10: **Ready to install** window

Press the **Back** button if you need to change installation parameters.

Press **Cancel** to abort the installation.

Press **Install** when you are ready to start the installation. ([Figure 11: on page 21](#)).

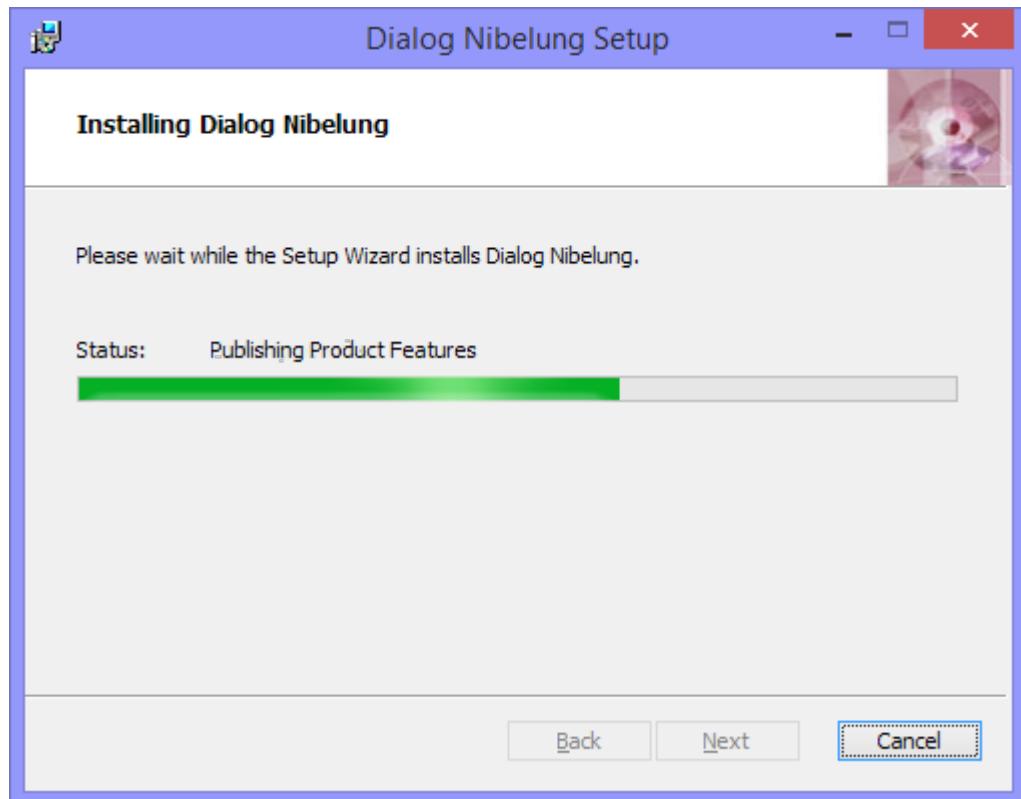


Figure 11: Installation progress window

10. After the installation has successfully completed, **Installation complete** window will appear on your screen ([Figure 12: on page 21](#)). Press the **Finish** button to exit **Setup Wizard**.

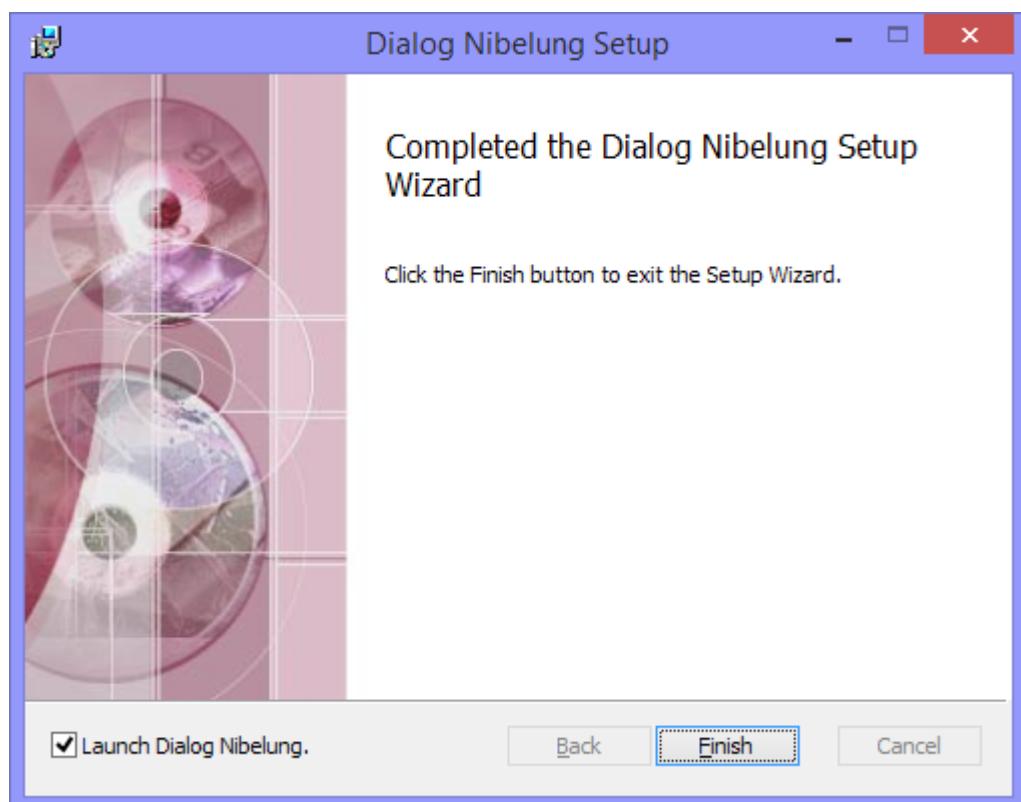


Figure 12: Installation complete window

Dialog Nibelung Setup Wizard will add a **Nibelung** menu item to your **Start > All programs** menu. The newly created **Nibelung** menu contains items to launch the software, remove it, and open this user manual in **PDF** format.



Tip: You can open the user manual using **Adobe Acrobat Reader**, which is included on the installation disk for your convenience.

An icon to launch the teacher module will also be placed on your desktop.



Figure 13: Teacher module icon

11. If the Setup Wizard is launched on a computer that already has **Dialog Nibelung** installed, then **Change, repair or remove** window ([Figure 14:](#) on page 22) will appear on your screen. This window allows you to:

- Add or remove **Dialog Nibelung** components
- Repair existing installation
- Uninstall **Dialog Nibelung** from this computer.

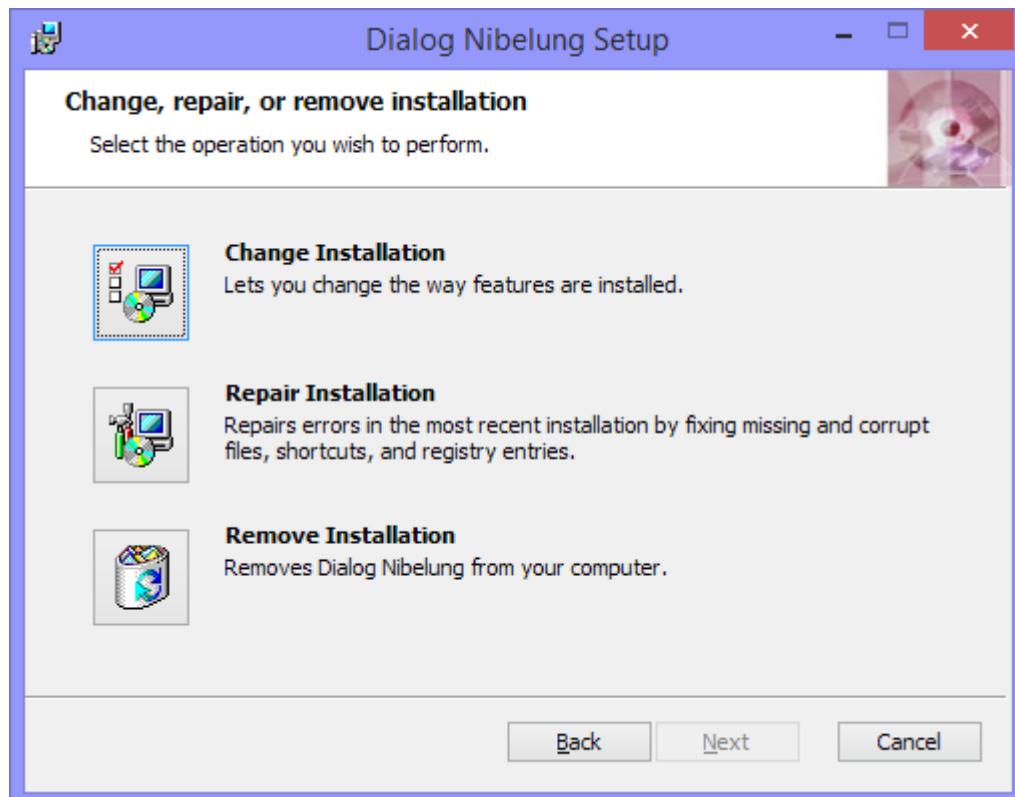


Figure 14: Teacher module **Change, repair or remove installation** window

12. Press a corresponding button to change, repair or remove the installation and follow the instructions shown on your screen.

Related Links

[Installation guide](#) on page 12

3.5.2 Student module installation

1. Insert installation CD into your computer CD drive.

2. An autorun window should appear on the screen (*Figure 15*: on page 23). Select student module installation (Install Dialog Nibelung student module). If the autorun window has not appeared, then you will have to launch setup-nibelungclient.exe from the installation disk manually.



Figure 15: **Autorun** window

3. **Dialog Nibelung student module Setup** wizard window will appear on your screen (*Figure 16*: on page 23). Press the **Next** button.

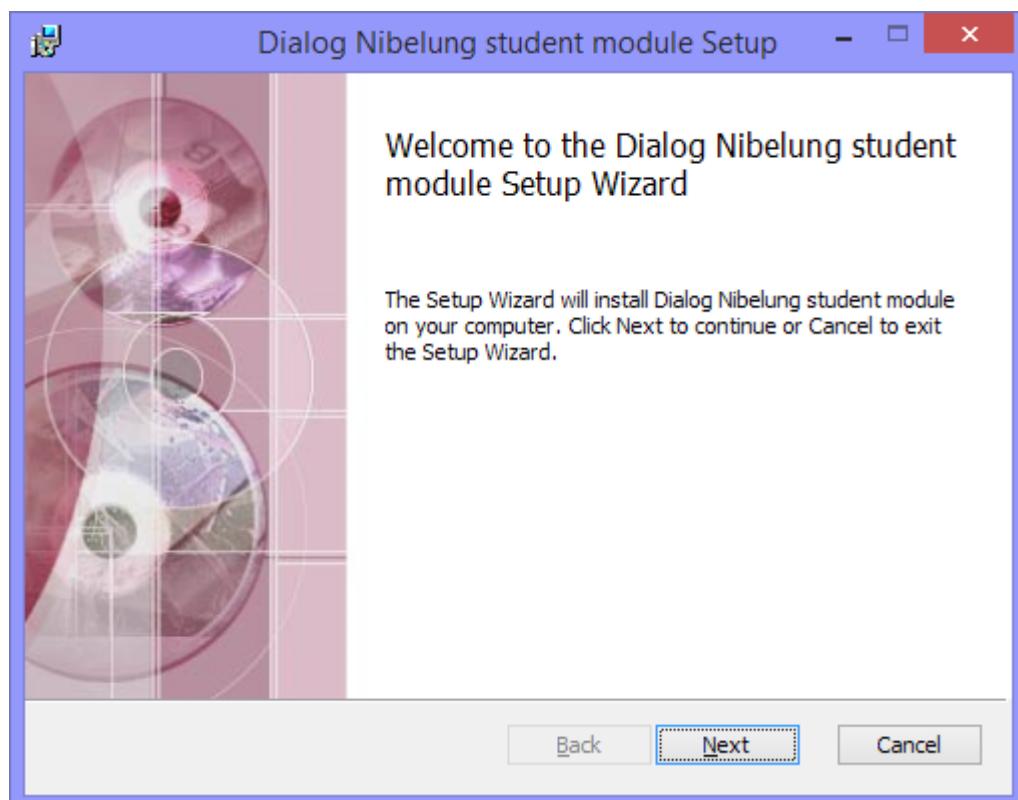


Figure 16: Student module **Setup Wizard** window

4. **End User License Agreement** window will appear on your screen (*Figure 17*: on page 24). You must accept the License Agreement to proceed by checking **I accept the terms of the License Agreement**

box, followed by pressing the **Next** button. You can cancel the installation at any time by pressing the **Cancel** button.

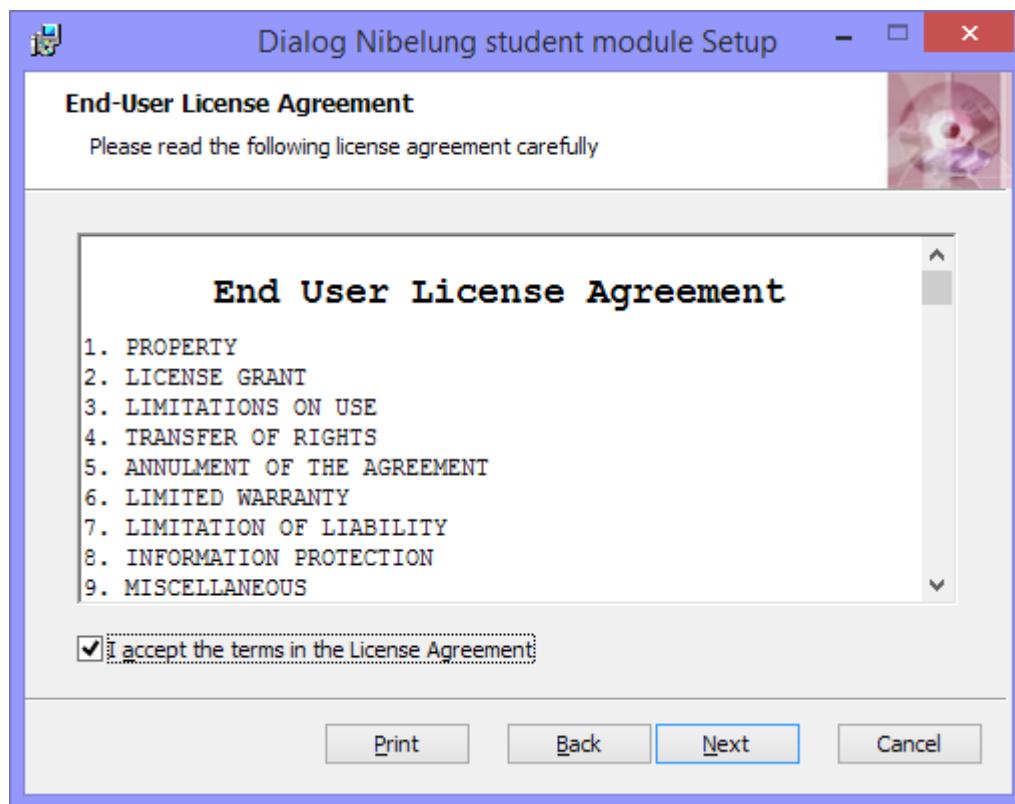


Figure 17: Student module **License Agreement** window

5. Student module setup window will appear on your screen ([Figure 18](#): on page 24). You should enter **IP address** or network name of the teacher workstation and the **Student Seat ID** of this student workstation.

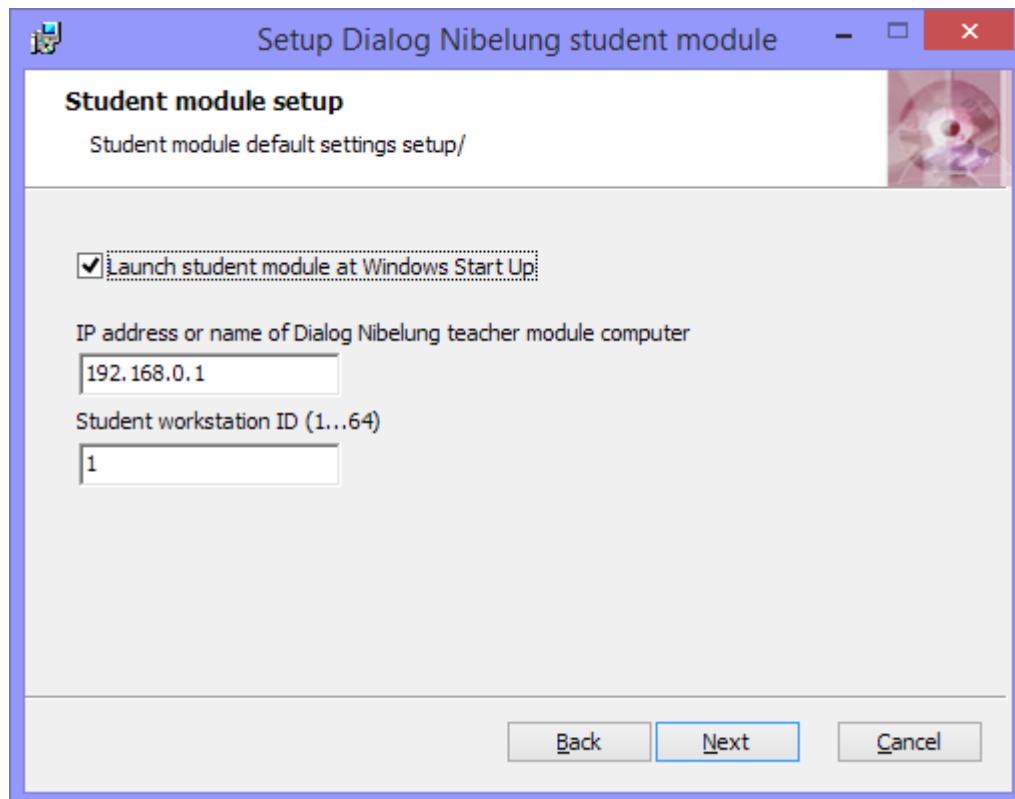


Figure 18: Student module setup window

Select the **Launch program at Windows Start Up** check box to automatically launch the student module upon each Windows start.



Important: When the **Launch student module at Windows Start Up** option is selected, a special **Windows** service is controlling launch of the student module. The student module will be automatically relaunched in case of an abnormal termination, whether malicious or not. This service also tracks logged in **Windows** users and prevents several copies of the student module from running at the same time.

6. The next window on your screen will be the **Setup Type** selection window ([Figure 19: on page 25](#)).



Figure 19: Student module **Setup type** window

You can choose between:

- **Typical installation** - installs the default configuration that should suit most users
- **Custom installation** - you can select which **Dialog Nibelung** components to install
- **Full installation** - installs all the components.



Important: Most users should select **Typical installation**.



Attention: Only select **Custom installation** after you have had sufficient experience working with **Dialog Nibelung**.

7. If you have selected **Custom installation**, then you will be able to choose components to install in the next window ([Figure 20: on page 26](#)).



Figure 20: Student module **Custom installation** window

8. After selecting installation type and pressing the **Next** button, you should see the Destination Folder window ([Figure 21: on page 27](#)) on your screen.



Tip: Default destination path is C:\Program Files\LAiN\Nibelung.



Figure 21: Student module **Destination folder** window

You can choose a different destination by pressing the **Change** button. Press **Next** when you are finished.

9. The next window on your screen informs you that everything is ready to start the installation ([Figure 22](#): on page 28).

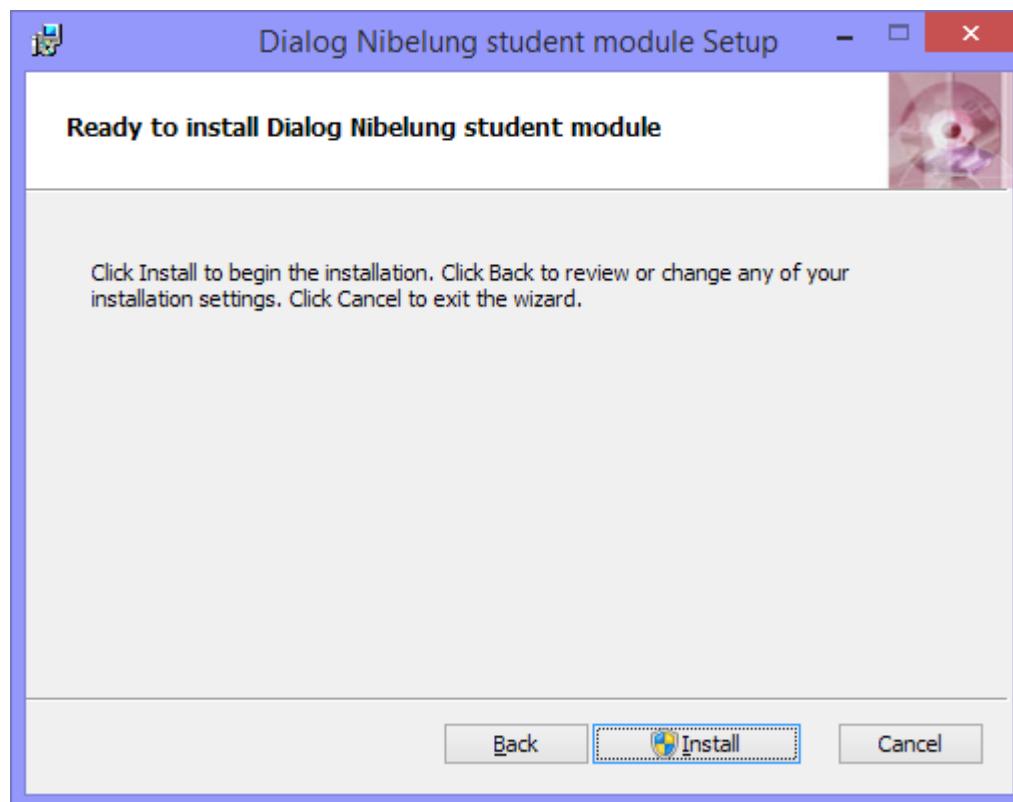


Figure 22: **Ready to install** window

Press the **Back** button if you need to change installation parameters.

Press **Cancel** to abort the installation.

Press **Install** when you are ready to start the installation. ([Figure 23: on page 29](#)).

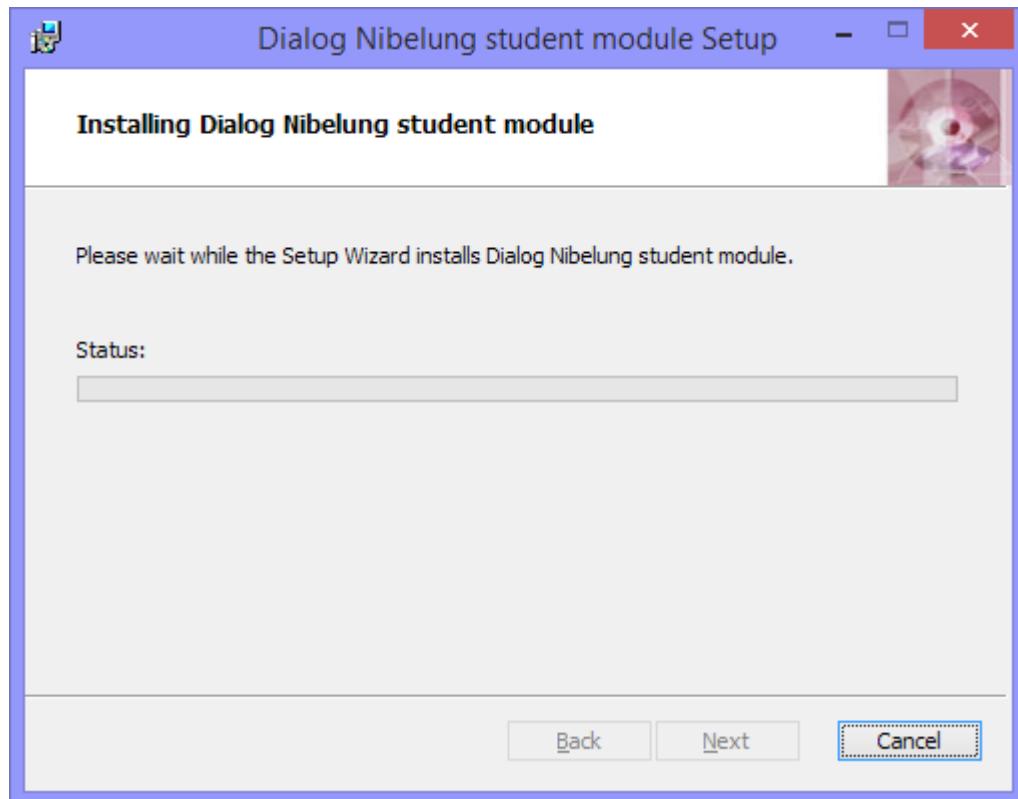


Figure 23: Installation progress window

10. After the installation has successfully completed, **Installation complete** window will appear on your screen ([Figure 24: on page 29](#)). Press the **Finish** button to exit **Setup Wizard**.

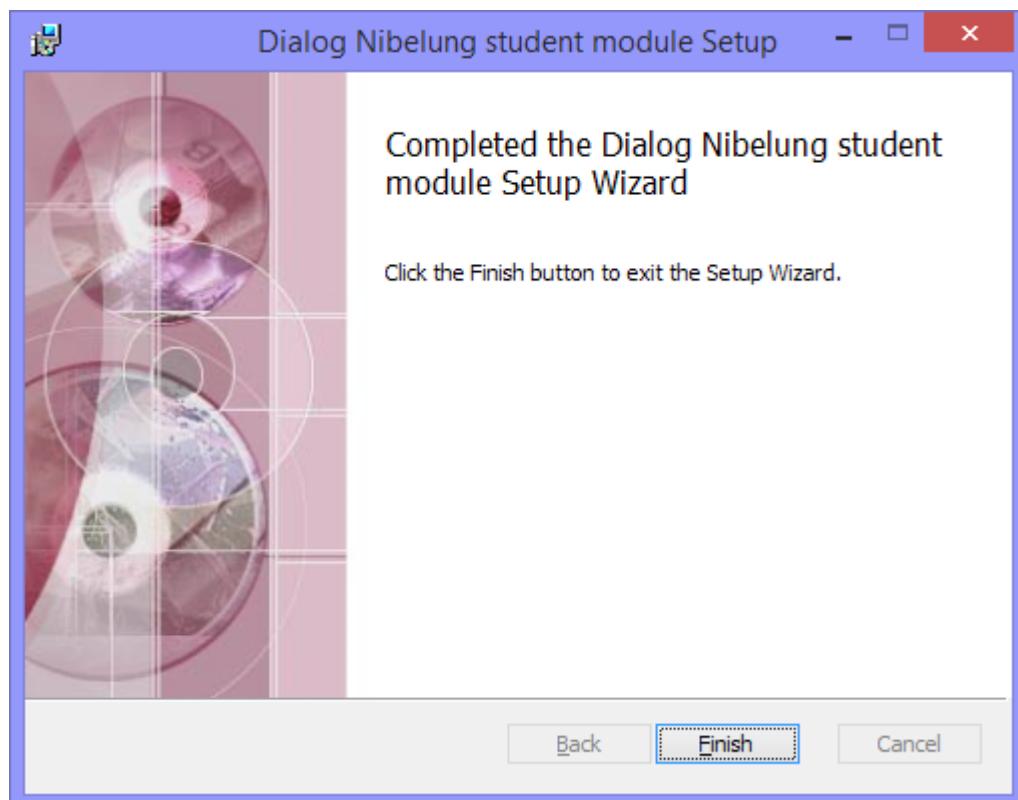


Figure 24: Installation complete window



Important: Please note that the **Start Dialog Nibelung Student module** will only appear in this window if the check box **Launch program at Windows Start Up** was selected earlier on.

Dialog Nibelung Setup Wizard will add a **Nibelung** menu item to your **Start > All programs** menu. The newly created **Nibelung** menu contains items to launch the software, remove it, and open this user manual in **PDF** format.



Tip: You can open the user manual using **Adobe Acrobat Reader**, which is included on the installation disk for your convenience.

An icon to launch the student module will also be placed on your desktop.



Figure 25: Student module icon

11. If the **Setup Wizard** is launched on a computer that already has **Dialog Nibelung** installed, the **Change, repair or remove** window ([Figure 26:](#) on page 30) will appear on your screen. This window allows you to:

- Add or remove **Dialog Nibelung** components
- Repair existing installation
- Uninstall **Dialog Nibelung** from this computer.

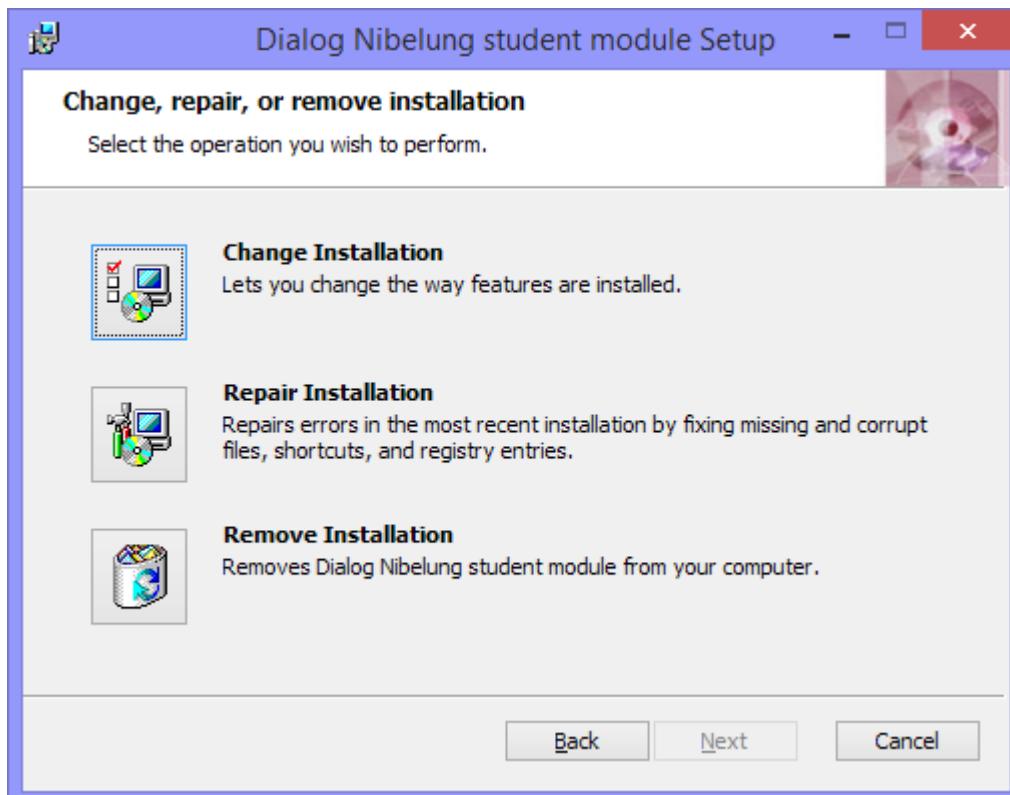


Figure 26: Student module **Change, repair or remove installation** window

Select a corresponding button and press **Next** to change, repair or remove the installation and follow the instructions shown on your screen.

Related Links

Installation guide on page 12

3.5.3 Post install notes

Windows Media Player 10 installation

Windows Media Player 10 or higher is required to operate **Dialog Nibelung** media player. **Windows Media Player 10** is included on the **Dialog Nibelung** installation disk for your convenience. Run \WMP\WMP10Setup.exe from the installation disk to install **Windows Media Player 10** if it is missing from your system.

Windows Firewall setup

Dialog Nibelung must be included in the exceptions list of your **Windows Firewall** setup. Usually the **Firewall** will offer you to create this exception during first launch of the software. We recommend to double check if the following exceptions have been created for **Dialog Nibelung**:

- on the teacher workstation: NibelungUI.exe
- on student workstations: NibelungClient.exe and NibelungHelper.exe

Windows Firewall exception list can be found under:

- Windows XP:
Start > Control Panel > Windows Security Center > Windows Firewall > Exceptions
- Windows Vista and 7:
Start > Control Panel > System and Security > Allow a program through Windows Firewall
or
Start > Control Panel > Windows Firewall > Exceptions
- Windows 8/10:

Enter "firewall" into the search bar, select **Windows Firewall**, then select **Allow an app or feature through Windows Firewall**, press the **Change settings** button (you will need Administrator privileges), and then press **Allow another app...** at the bottom and add **Dialog Nibelung** to the list.

Some anti-virus software may also issue warnings regarding **Dialog Nibelung**. You will have to create appropriate exceptions and/or add it to the list of trusted software as well.

Audio interface setup

The sound quality directly depends on proper setup of your computer audio interface (whether internal or external).

Setup procedures vary greatly between different sound cards. Below are the just the general guidelines to help you to achieve optimal sound quality.

1. Disable the **Stereo Mixer**. Whenever stereo mixer is enabled, your conversation partners will hear their own voice, which can be distracting.
2. Adjust the microphone gain. Voice can get distorted and an echo may appear when microphone gain is too high.
3. Enable microphone noise reduction. This function may or may not be present, depending on the type of your sound card.
4. Only enable those capture and playback streams that are necessary. Usually that will be **Playback** and **Microphone** streams for playback and **Microphone** stream for the recording. Disable all other streams.

Please see section *Operating System and hardware setup* on page 34 of this user guide for further information on audio setup.

For **Windows 7** without the **Service Pack 1** we highly recommend installing Windows Update **KB 981679**. You can find it on the **Dialog Nibelung** installation disk under the \KB\ folder. You can also download it from Microsoft Support at <http://support.microsoft.com/kb/981679>.

Miscellaneous tips

1. Simultaneously press **Ctrl + Alt** on your keyboard and right click of the window title to enter setup menu of the **Dialog Nibelung** student module. The student module has to be launched with the administrator privileges to change its settings.
2. In Windows Vista, 7, 8 and 10 (with UAC enabled), right click on the software icon and select **Run as Administrator** to launch a program with administrator privileges.
3. If the teacher module would not launch after the installation, we recommend to launch it at least once with administrator privileges.
4. For day to day operations, we highly recommend running the teacher module **without** the administrator privileges for security reasons.
5. In Windows Vista, 7, 8, and 10 in some cases it is recommended to disable the **TCP/IPv6** protocol in Network Connection Properties.
6. When applying Windows Updates application software like **Dialog Nibelung** may become unstable. Close application software, finish installation of all updates, and restart the computer.



Important: *VirtualBox virtualization software installed on the same computer may interfere with audio and video streaming. If this is the case, try disabling **VirtualBox Host-Only Ethernet Adapter** in the network adapter list.*

Related Links

[Installation guide](#) on page 12

3.6 Setup guide

3.6.1 Teacher module setup

Select **File > Settings** from the main menu to set up the teacher module.

Teacher module settings window (*Figure 27:* on page 33) will appear on your screen. Here you can change **Path to teacher folders** where each teacher can store class files, session files, student records, etc.

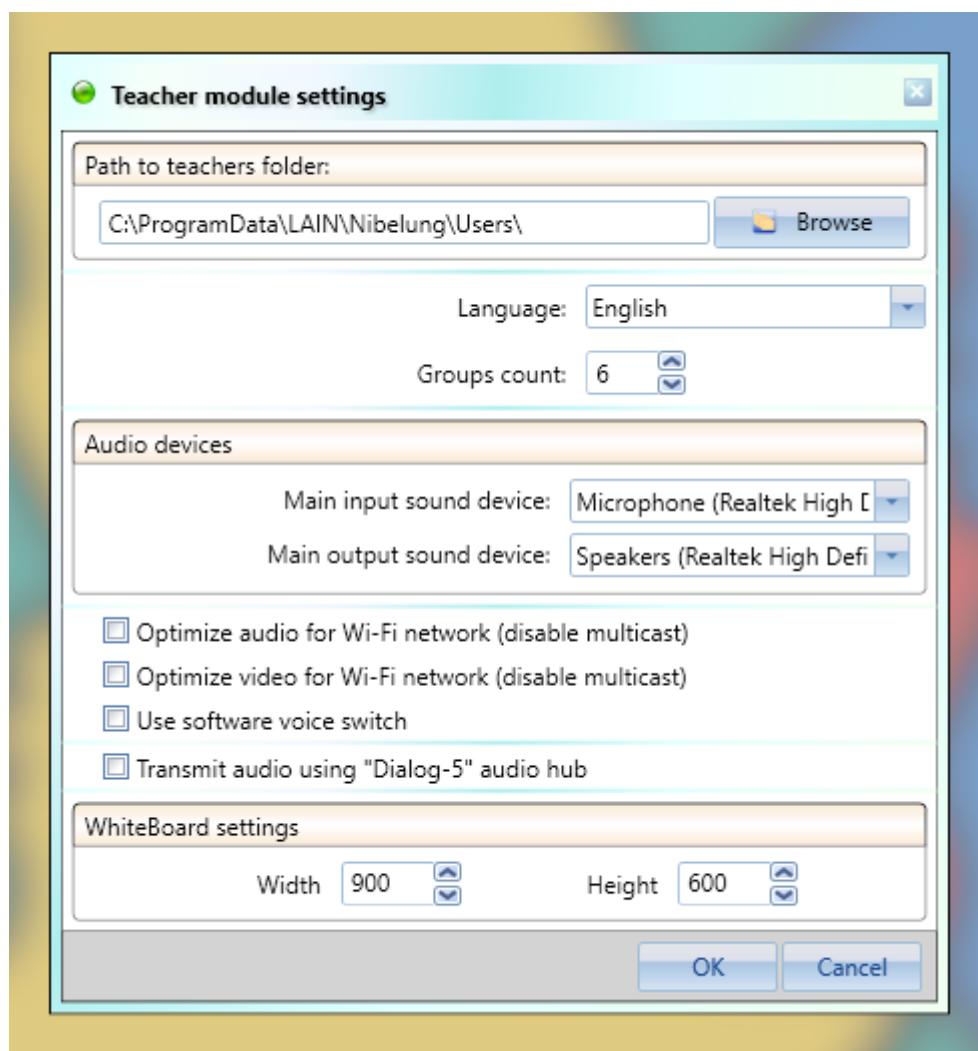


Figure 27: **Teacher module settings** window

Here you can also change user interface language, maximum number of groups in the class, and default sound devices for playback and capture.

By selecting **Optimize audio for Wi-Fi networks (disable multicast)** option you can increase sound quality over the Wi-Fi networks at the expense of increase in network traffic.

By selecting **Optimize video for Wi-Fi networks (disable multicast)** option you can increase video quality over the Wi-Fi networks at the expense of increase in network traffic. Once this option is enabled, students will also be able to adjust video playback position.



Important: Check the **Use voice switch** option if you are experiencing poor sound quality over Wi-Fi networks. This will enable software voice switch that will increase sound quality at the expense of increase in sound delays and CPU load on the teacher workstation.

If you are using **Dialog Nibelung** together with the **Dialog 5** audio hub (see [Audio hub overview](#) on page 218), you will have to set the **Transmit audio using Dialog 5_fixme_audio hub** option here.

You can also set the deafault size for the whiteboard (see section [Интерактивная доска](#) on page 88) here.

3.6.2 Student module setup

Select **Settings** item from the drop down menu to set up the student module.



Important: The drop down menu will appear after depressing **Alt** and **Ctrl** on the keyboard while simultaneously right clicking on the window title bar. This menu is only accessible when the student module has been launched with administrator privileges.

Student module settings window will appear on your screen ([Figure 28](#): on page 34). You can change the **Student workstation ID** number, IP address or domain name of the teacher workstation, user interface language, sound devices for capture and playback, and device for video capture.

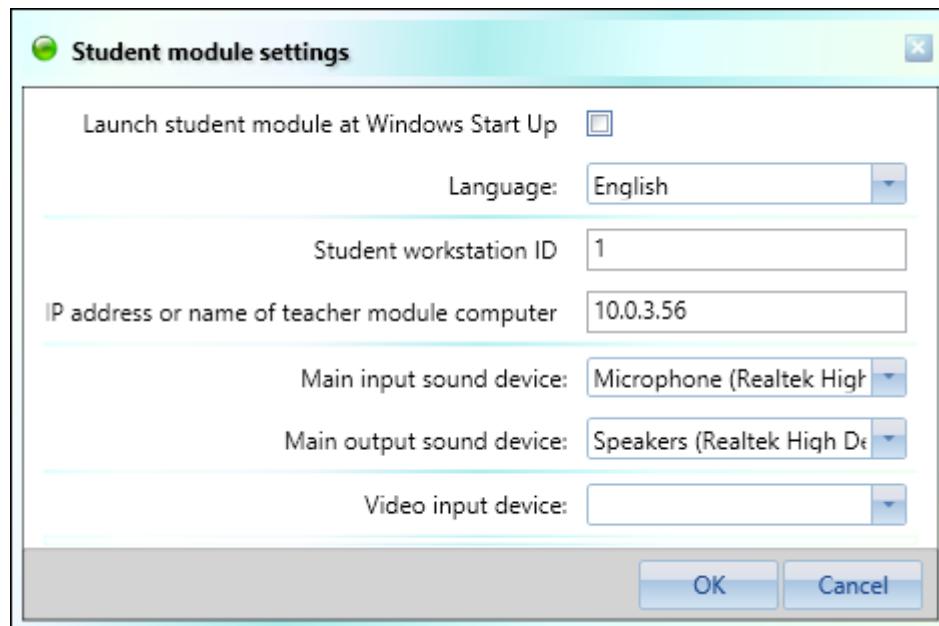


Figure 28: **Student module settings** window

Whenever the **Launch student module at Windows Start Up** option is enabled, the student module will be launched automatically every time the computer is started, regardless of the Windows user.



Important: When the **Launch student module at Windows Start Up** option is selected, a special **Windows** service is controlling launch of the student module. The student module will be automatically relaunched in case of an abnormal termination, whether malicious or not. This service also tracks logged in **Windows** users and prevents several copies of the student module from running at the same time.



Important: We highly recommend that the students be issued logins with very limited privileges for security purposes. For more information, please refer to **User accounts** section in **Windows Help and Support**.

3.6.3 Operating System and hardware setup

You will need to set certain properties of your network interface for the optimal operation of **Dialog Nibelung**.

Press the **Start** button and select **Control Panel**. The **Control Panel** window ([Figure 29:](#) on page 35) will appear on your screen. Click on **System and Security** and then click on the **System** icon.

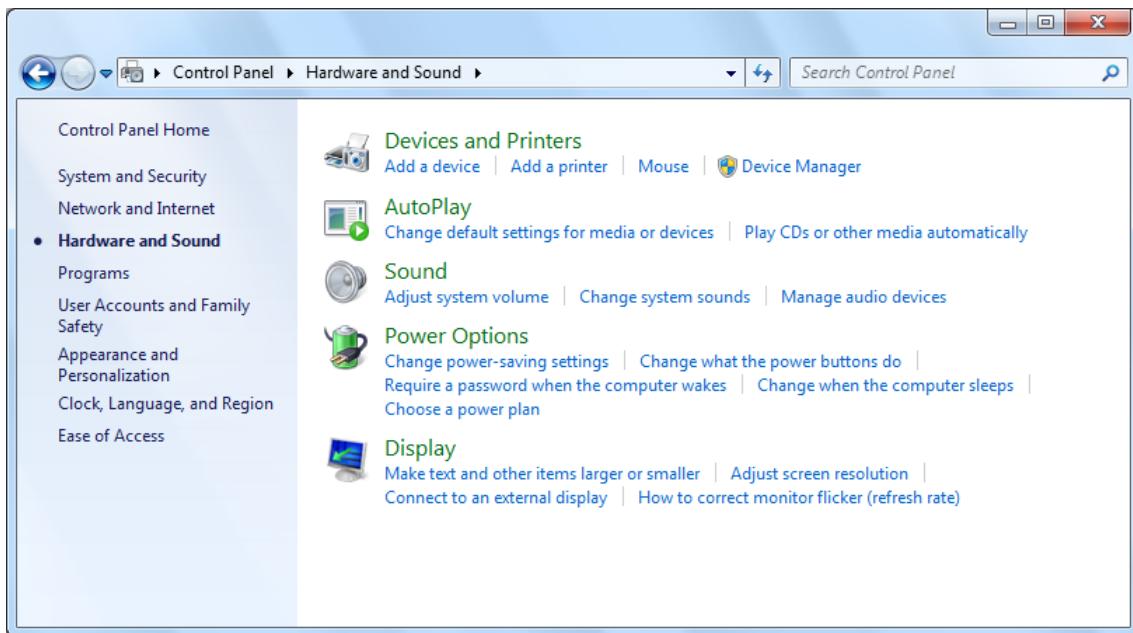


Figure 29: **Control Panel** window

Related Links

[Network interface setup on Windows Vista and windows 7](#) on page 36

[Network interface setup on Windows 8 and 10](#) on page 38

[Microphone setup on Windows Vista and Windows 7](#) on page 41

[Microphone setup for Windows 8/10](#) on page 45

Network interface setup on Windows Vista and windows 7

The **System** properties window (*Figure 30:* on page 36) will appear on your screen. Click on the **Device Manager** link located in the left column of the window.



Figure 30: **System** properties window

Device Manager window ([Figure 31: on page 37](#)) should appear on your screen. Expand the **network adapters** sub-menu and double click your network adapter name (for example **Intel(R) PRO/1000 MT Desktop Adapter**).

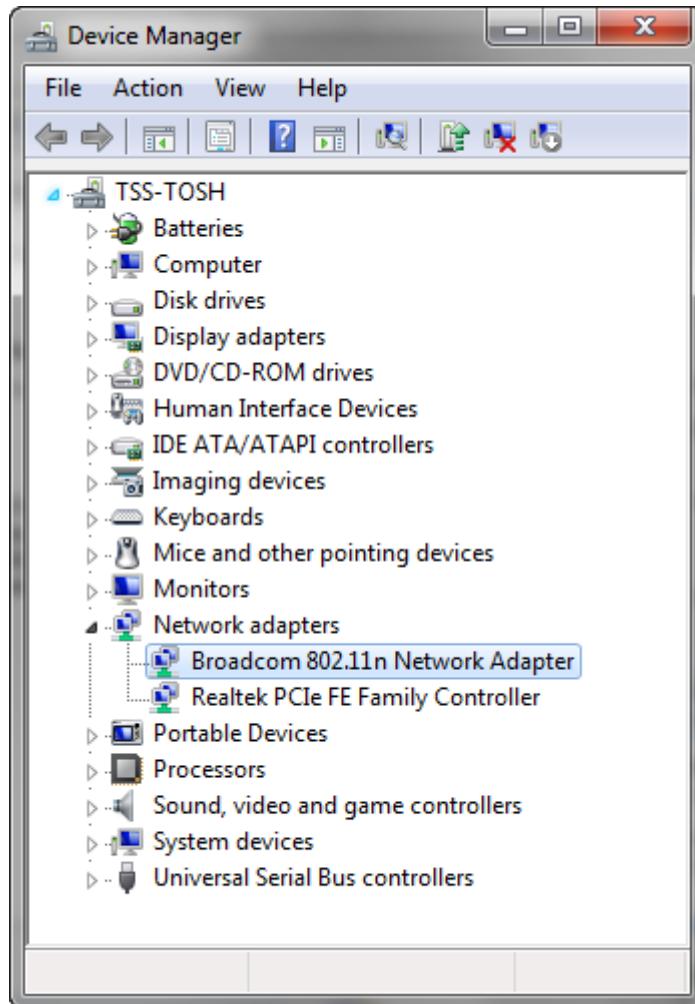


Figure 31: **Device Manager** window

Select the **Power management** tab in the **Network Adapter Properties** window ([Figure 32: on page 38](#)) and set the following properties:

Network Adapter Properties	Recommended setting
Allow this device to wake computer	Enabled

Network Adapter Properties	Recommended setting
Only allow a magic packet to wake the computer	Enabled

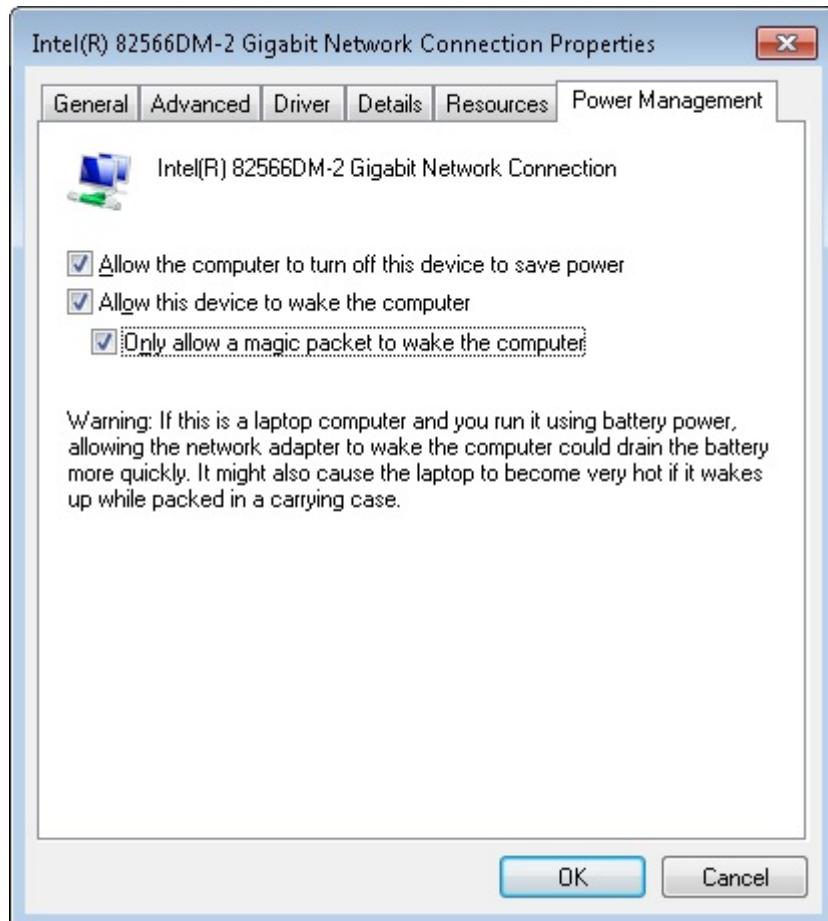


Figure 32: Network Adapter Properties window

This property is necessary to turn on the student computer remotely from the teacher workstation.



Important: It may also be necessary to add **Dialog Nibelung** into the **Windows Firewall** list of trusted software, as well as perform appropriate adjustments to other firewall and anti virus software installed on the computer.

Related Links

[Operating System and hardware setup](#) on page 34

Network interface setup on Windows 8 and 10

Right click on the **Start** button or press **Win + X** on your keyboard and select **Device manager** from the menu.

In the **Device manager** window ([Figure 33: on page 39](#)) select **Network adapters** and double click on the name of the network interface (e.g., **Realtek PCIe GBE Family Controller**).



Figure 33: **Device Manager** window in Windows 8/10

Select **Advanced** tab in the **Properties** window ([Figure 34: on page 40](#)) and set the properties according to the table below.

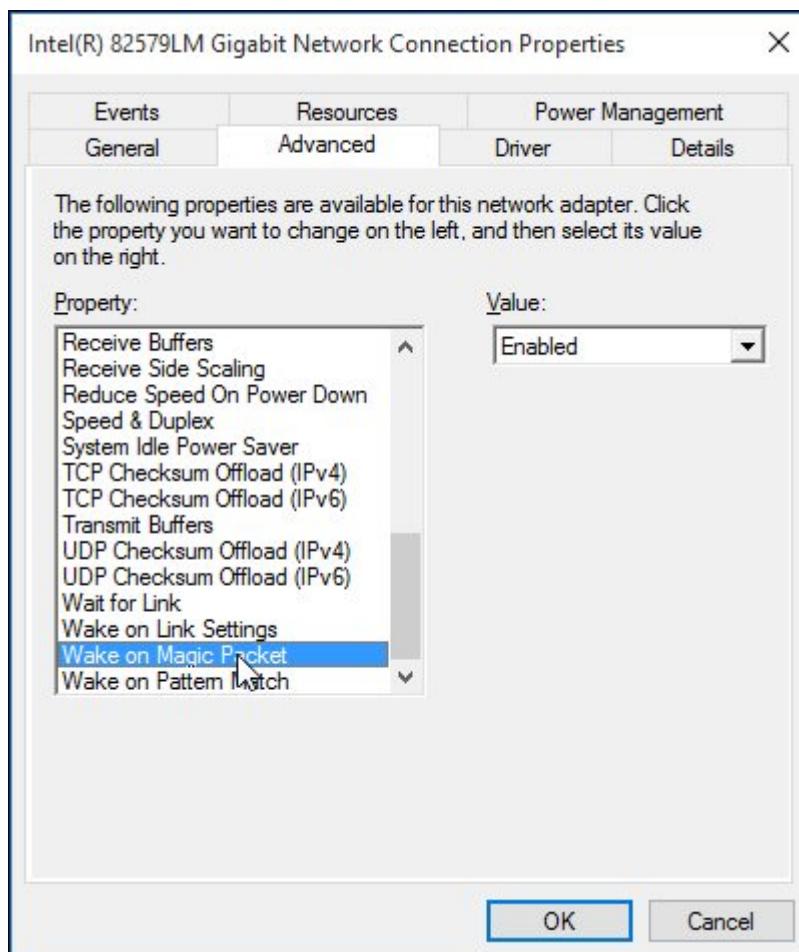


Figure 34: Network interface properties window for Windows 8/10

Realtek PCIe GBE Family Controller properties	Recommended value
Wake on Magic Packet	Enabled

This property enables student workstation to be woken up remotely from the teacher module.



Important: During the first run of teacher or student module you may have to allow their network access in either built in Windows firewall or a third party one. Usually the firewall will prompt you about **Dialog Nibelung** network access, which you should confirm.

Related Links

[Operating System and hardware setup on page 34](#)

Microphone setup on Windows Vista and Windows 7

Open the **Control Panel** (*Figure 35: on page 41*) window and select **Hardware and Sound** to set up the microphone.



Figure 35: **Control Panel** window

Sound ([Figure 36](#): on page 42) window will appear on your screen. Select the **Recording** tab. Select the microphone and press **Properties** button.



Figure 36: **Sound** window

Microphone Properties window (*Figure 37*: on page 43) will appear on your screen. Select the **General** tab and check that **Device usage** option is set to **Use this device (enable)**.

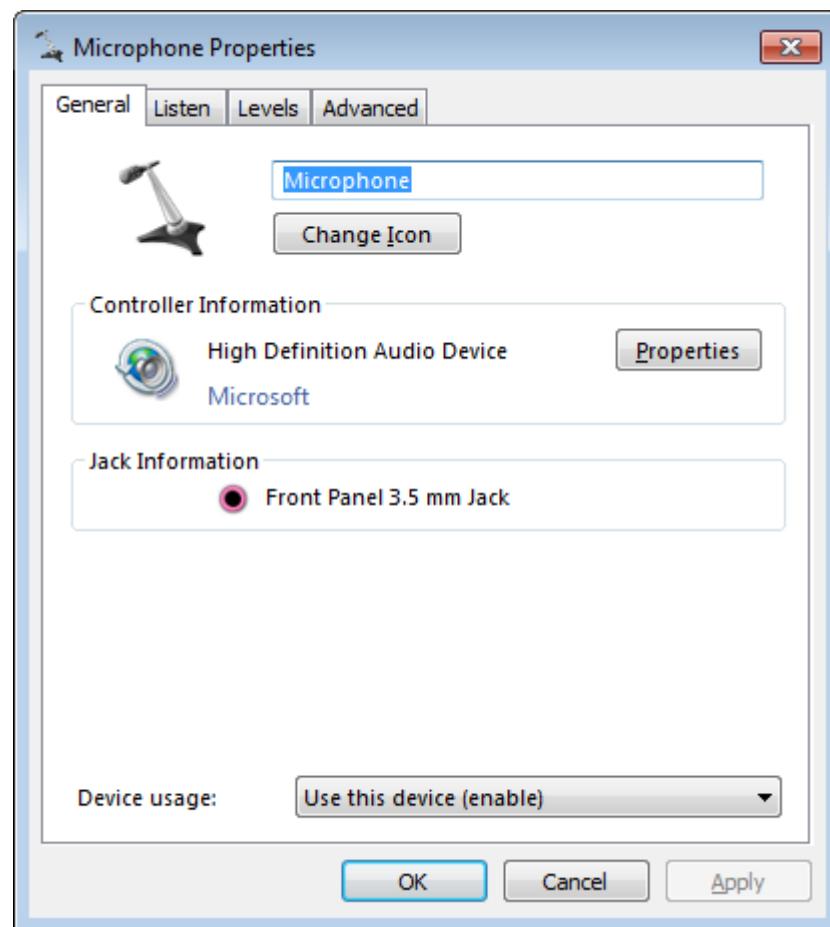


Figure 37: **Microphone Properties / General** window

Next, select the **Levels** tab ([Figure 38: on page 44](#)). Here you can adjust the microphone gain to boost its sensitivity if necessary.

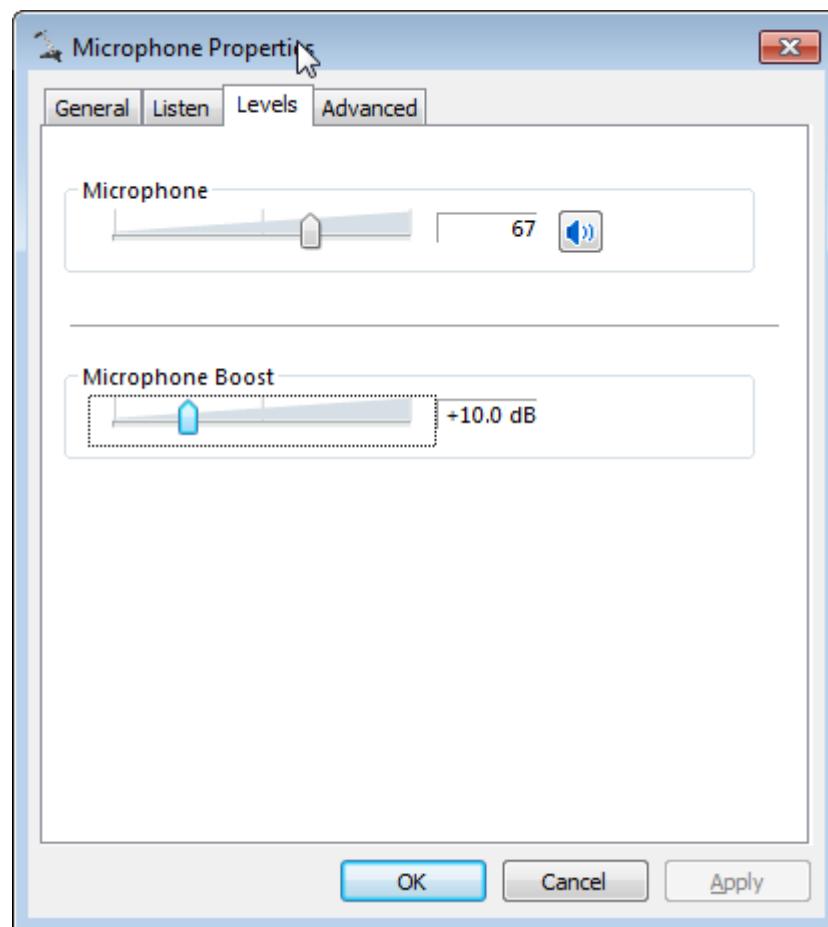


Figure 38: **Microphone Properties / Level** window

The **Advanced** (*Figure 39: on page 45*) tab contains additional settings that might prove to be useful, such as noise reduction, echo cancellation, etc.



Figure 39: **Microphone Properties / Advanced** window



Important: Availability of settings in the **Advanced** tab depends on your hardware features and driver support.

Press **OK** button to finish microphone setup.

Related Links

[Operating System and hardware setup on page 34](#)

Microphone setup for Windows 8/10



Important: You will have to connect the microphone to the computer audio interface first (usually it's the red connector on the interface) before starting to set it up for Windows 8/10.

Open the **Control Panel** (*Figure 40:* on page 46) window to set up the microphone for Windows 8/10. This can be accomplished by right clicking on the **Start** button or pressing **Win + X** on your keyboard and selecting **Control panel** in the menu.



Figure 40: Windows 8/10 Control Panel

Select **Hardware and Sound** in the **Control Panel** window and then select **Sound**.

Select **Recording** tab in the **Sound** ([Figure 41:](#) on page 47) window that appears on your display. Then select the microphone and press the **Properties** button.

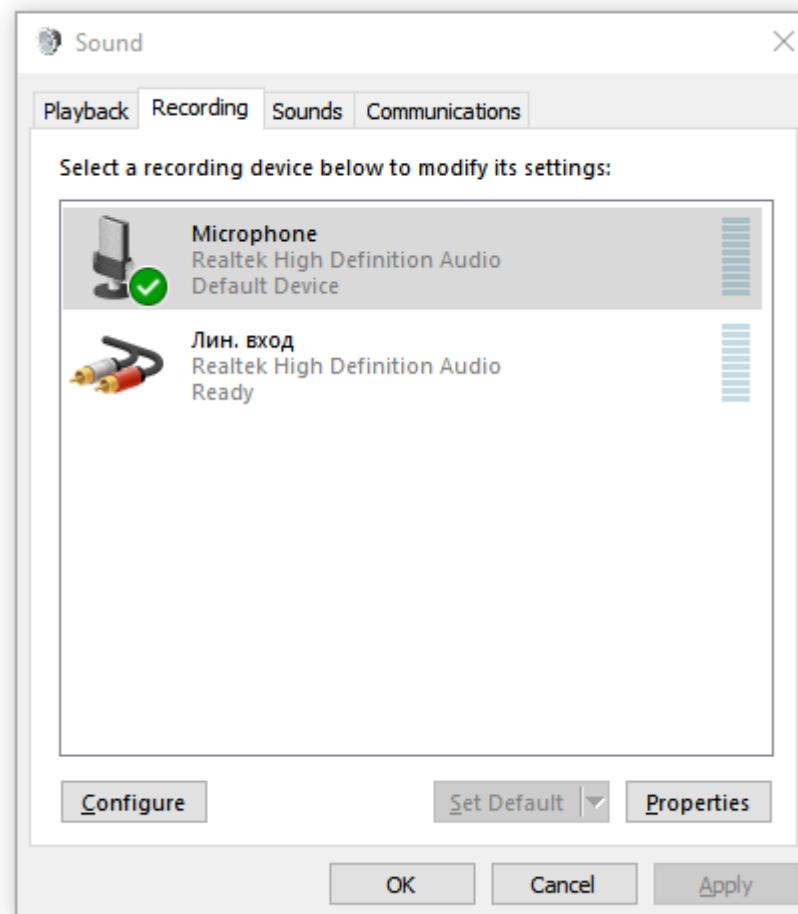


Figure 41: **Sound** window

You will be presented with the **Microphone Properties** window (Figure 42: on page 48). Select the **General** tab and make sure that **Device usage** is set to **Use this device (enable)**.

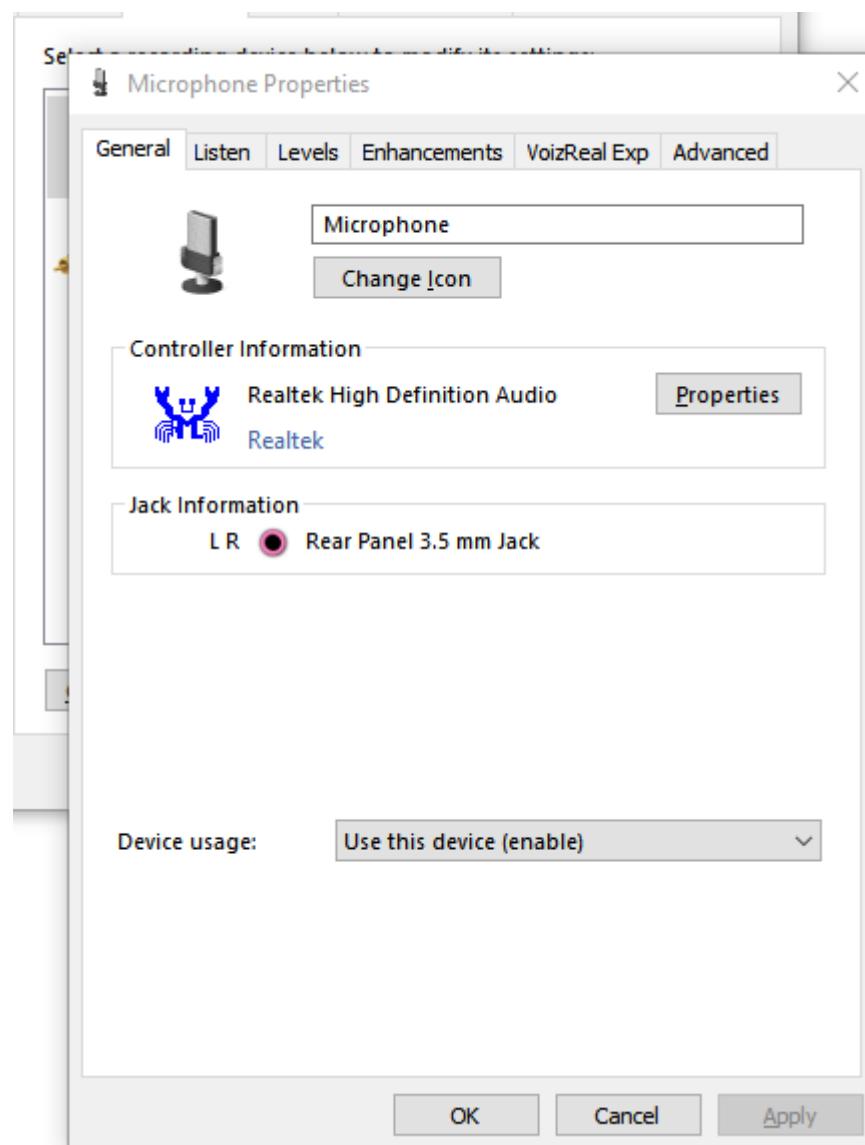


Figure 42: **General** tab of the **Microphone Properties** window

Select **Levels** tab (*Figure 43:* on page 49) to set up microphone level and boost its gain (if necessary).

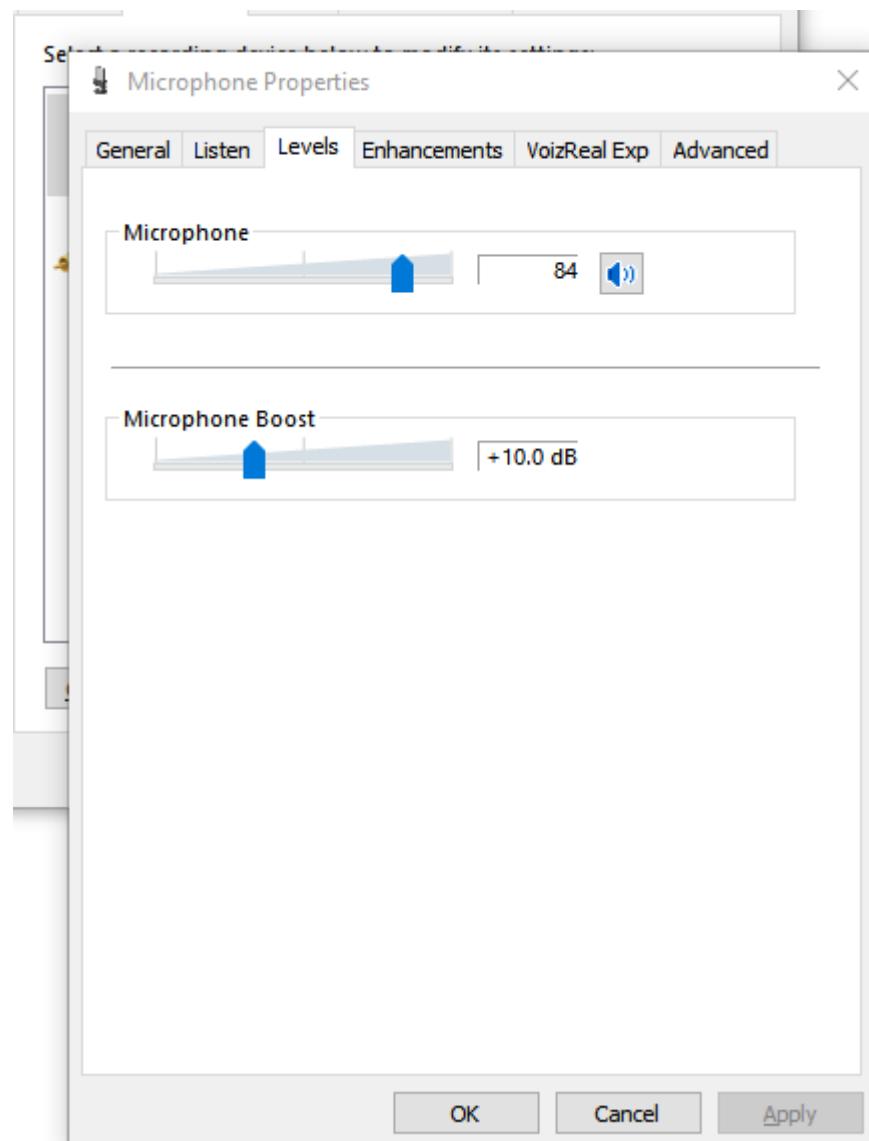


Figure 43: **Levels** tab of the **Microphone Properties** window

Select **Enhancements** ([Figure 44: on page 50](#)) tab to set up additional microphone features, such as noise suppression, echo cancellation, etc.

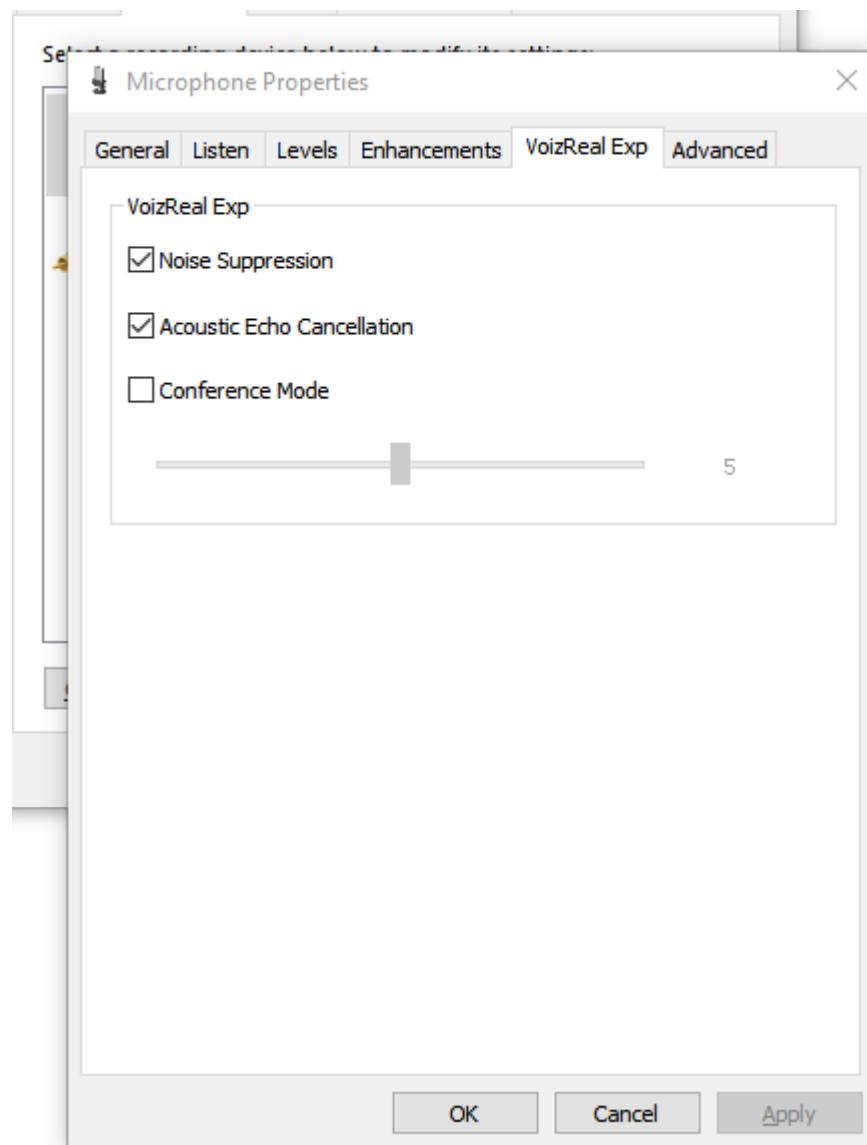


Figure 44: **Enhancements** tab of the **Microphone Properties** window



Important: Microphone additional features and enhancements depend on the type of the audio interface in your computer.

Press **OK** button to finish microphone setup.

Related Links

[Operating System and hardware setup on page 34](#)

4. TEACHER MODULE

Teacher module ([Figure 45: on page 51](#)) is the **Dialog Nibelung** software module for control and management of a language lab computer classroom.



Figure 45: Teacher module window

Elements of the teacher module window ([Figure 45: on page 51](#)):

- 1 Toolbar panel
- 2 Groups menu
- 3 Pull down menu
- 4 Class tab
- 5 Group tabs
- 6 Offline student workstation
- 7 Sound controls
- 8 Status line
- 9 Online student workstation
- 10 Classroom console

Student workstations in the classroom are shown as panels in the classroom console. Online workstations are shown in color, while the offline ones are grayed out.



Important: You have received a license when you purchased the software. The license sets limits to the maximum number of student workstations in the class.

Student workstations that are connected to the classroom network and are running student modules become active in the classroom console. A color icon appears on the left of active student panels ([Figure 46: on page 52](#)).

page 52), while the panel background acquires group color or becomes white if the student is not a part of any group.

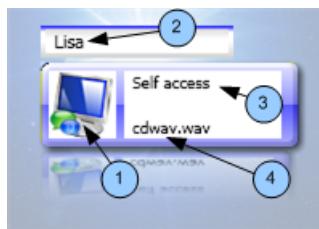


Figure 46: Active student panel

Elements of the student panel ([Figure 46: on page 52](#)):

-
- | | |
|---|-------------------|
| 1 | Status icon |
| 2 | Student name |
| 3 | Assigned activity |
| 4 | Assigned file |
-

You can work with the students on an individual basis, using the drop down student menu, or group students into up to 10 groups and work with them using the **Group** tabs menu. You can also work with the whole class at once using the **Class** tab menu.

Group tabs are immediately to the left of the classroom console. The top tab * is the class tab, while the **A...J** tabs provide access to the corresponding groups. Whenever a group is assigned an activity to work on, activity icon will appear on the group tab.

The toolbar panel is located along the left edge of the teacher module window. A teacher can customize the toolbar to provide quick access to various functions of the software.

Sound controls can be found in the lower left corner of the teacher module window ([Figure 47: on page 52](#)).

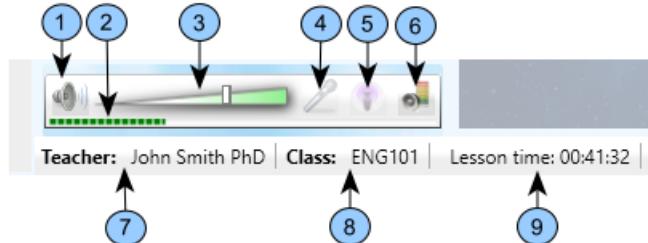


Figure 47: Teacher module sound controls and status bar

Elements of the sound controls and the status bar:

-
- | | |
|---|--|
| 1 | Playback mute button |
| 2 | Microphone gain indicator |
| 3 | Volume control |
| 4 | Microphone mute button |
| 5 | Loopback disable button (only available in Windows XP) |
| 6 | Button for disabling the microphone gain indicator (2) |
| 7 | Teacher name |
| 8 | Class ID |
-

9 Lesson time left

Teacher name, Class ID, lesson time left, and some other additional data (depending on the mode) are shown in the status bar.



Attention: Please note that the **Loopback disable** button is not accessible under Windows Vista and above.

An icon ([Figure 48:](#) on page 53) will appear in the upper right corner of the window whenever the teacher's microphone is turned on.



Figure 48: **Microphone on** icon

Related Links

- [Teacher module menu](#) on page 53
- [Teacher accounts](#) on page 64
- [Teacher settings](#) on page 67
- [Class layout](#) on page 69
- [Roll call registration](#) on page 71
- [Учетная карточка учащегося](#) on page 73
- [Class tab](#) on page 74
- [Group tab](#) on page 75
- [Student menu](#) on page 76
- [Grouping of students](#) on page 78
- [Interacting with students](#) on page 78
- [Remote control of student workstations](#) on page 99
- [Remote desktop window](#) on page 110
- [Student activities](#) on page 112
- [Media sources](#) on page 128
- [Toolbar customization](#) on page 138
- [Log book](#) on page 139
- [Software updates](#) on page 152

4.1 Teacher module menu

The teacher module menu contains following items:

- [File](#)
- [Class](#)
- [Log](#)
- [View](#)
- [Tools](#)
- [Quiz](#)
- [Help](#)

File menu items	Icon
Open teacher folder (see section Teacher settings on page 67)	
Change teacher (see section Teacher accounts on page 64)	
Account management (see section Teacher accounts on page 64)	

File menu items	Icon
Settings (see section Teacher module setup on page 32)	
Teacher settings (see section Teacher settings on page 67)	
Exit	

Class menu items	Icon
New (see section Class layout on page 69)	
Open (see section Class layout on page 69)	
Save (see section Class layout on page 69)	
Save as (see section Class layout on page 69)	
Edit (see section Class layout on page 69)	
Add student (see section Class layout on page 69)	
Remove student (see section Class layout on page 69)	
Arrange (see section Class layout on page 69)	
Roll call (see section Roll call registration on page 71)	

Logbook menu items	Icon
Start lesson (see section Lesson on page 140)	
Lesson list (see section Lesson list on page 142)	
Performance (see section Performance statistics on page 147)	
Attendance (see section Attendance statistics on page 144)	
Class statistics (see section Class statistics on page 150)	

View menu items	icon
Toolbar show / hide	
Status bar show / hide	
Customize toolbar (see section Toolbar customization on page 138)	

Tools menu items	Icon
Nibelung Media Player: launch the Nibelung Media Player on the teacher workstation (see section Nibelung Media Player on page 56)	
Video converter (convert video files into MPEG-1 format) (see section Video converter on page 57)	
Configure student modules (see section Configure student modules on page 59)	

Tools menu items	Icon
База данных учащихся (запустить на компьютере преподавателя программу ведения базы данных учащихся данного учебного заведения (see section Введение on page 189)	
Резервное копирование и восстановление (инструмент создания резервных копий и восстановления из резервных копий настроек и данных преподавателей или всей программы Диалог-Nibelung) (see section Резервное копирование и восстановление on page 61)	
Edit (edit contents of the Tools menu) (see section Edit tools menu on page 63)	
Quiz menu items	Icon
Quiz builder (see section Quiz Builder on page 164)	
Results (see section Viewing test results on page 187)	
Help menu items	Icon
Product website	
Contact Us	
Check for updates (see section Software updates on page 152)	
Update student modules: remote update of the student modules after update of the teacher module (see section Software updates on page 152)	
About Dialog Nibelung	

Related Links

[Teacher module](#) on page 51

4.1.1 Tools menu

Nibelung Media Player

Selecting **Tools > Nibelung Media Player** from the menu will launch the **Nibelung Media Player** ([Figure 49:](#) on page 56), which is described in further details in section [Media player](#) on page 155 of this manual.

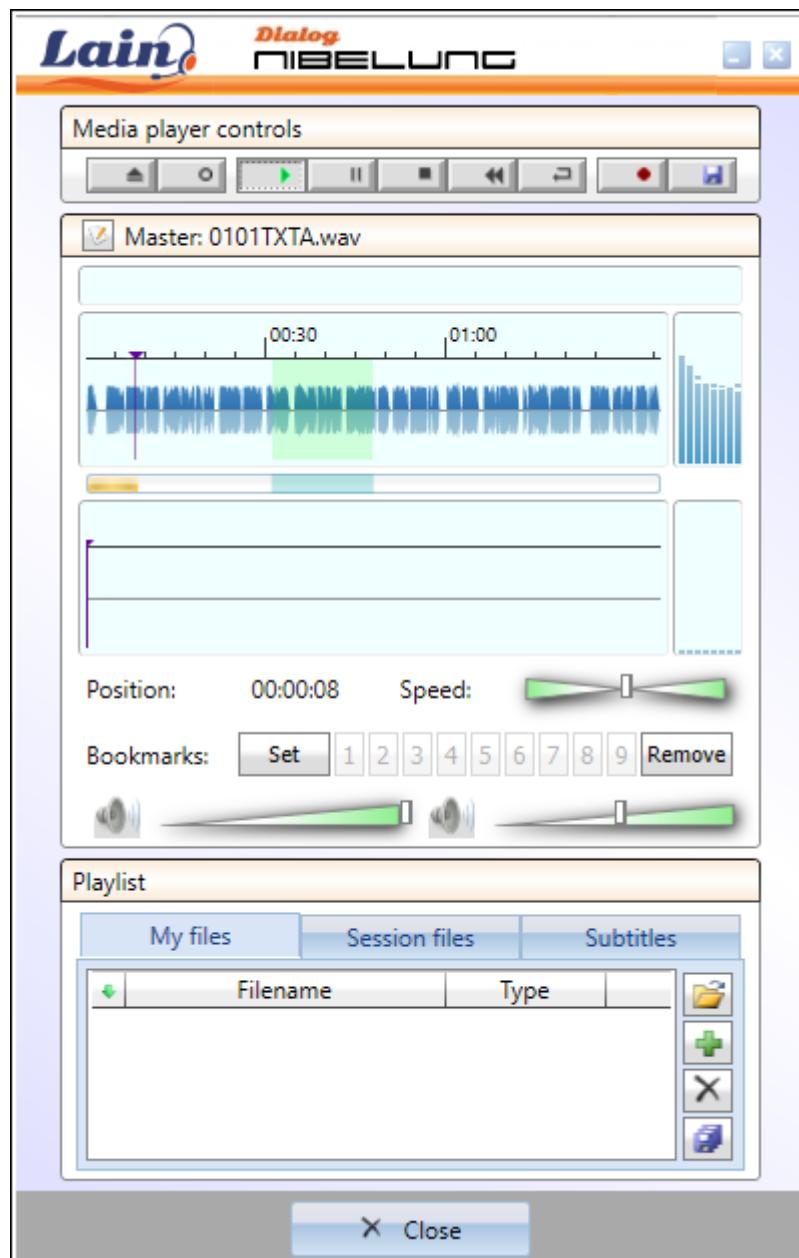


Figure 49: **Nibelung Media Player** window

Related Links

[Teacher module menu](#) on page 53

Video converter

Select **Tools > Video converter** to launch a converter of video files to **MPEG-1** format ([Figure 50: on page 57](#)).

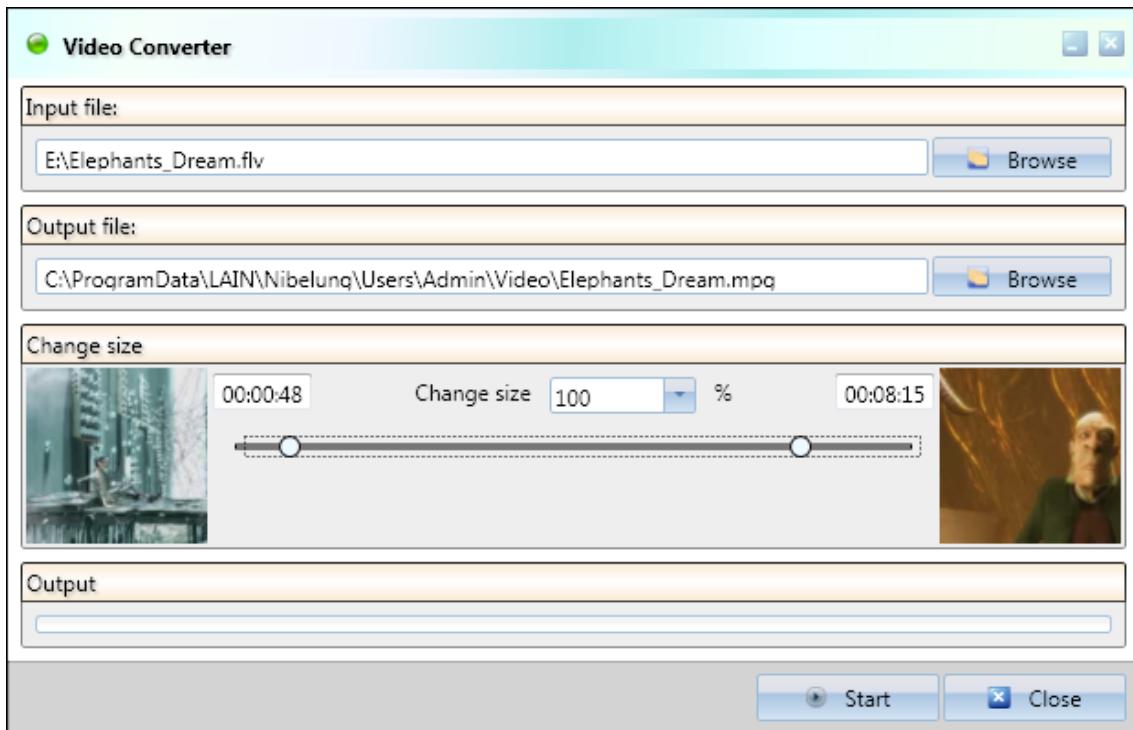


Figure 50: **Video converter** window

Select the file to be converted into the **Input file** field using **Browse** button.

The **Output file** field will be filled automatically offering to save converted file in the teacher folder. You can change the output filename and path by pressing the **Browse** button.

You can adjust size of the output file relative to the original by using **Change size** panel. You can also select a part of the video to be converted. The first and the last frames of the selected video segment are shown on the left and the right of the slider control.

Press the **Start** button to begin conversion.

A progress bar will appear in the window. Click on the **Output** field to show or hide a panel with additional information about the conversion process ([Figure 51: on page 58](#)).



Figure 51: **Video converter** window showing process output

Select **Tools > Edit** to edit contents of the **Tools** menu ([Figure 52: on page 58](#)).



Figure 52: **Tools editor** window

Related Links

[Teacher module menu on page 53](#)

Configure student modules

Select **Configure student modules** from the **Tools** menu to launch **Nibelung Configurator**.

Nibelung Configurator is a **Dialog Nibelung** application for remotely configuring student modules from the teacher workstation. It also allows you to change some additional settings of the teacher module.



Figure 53: **Nibelung Configurator** window

Nibelung Configurator main window ([Figure 53](#): on page 59) displays the list of local network computers that are running student modules and the following buttons:

- **Find clients**: scan the local network for computers running **Dialog Nibelung** student modules;
- **Configure**: open the student modules settings window ([Figure 54](#): on page 60);
- **Configure teacher workstation**: open the teacher module settings window ([Figure 55](#): on page 61);
- **Exit**: exit **Nibelung Configurator**.

Fields in the student workstation list:

- **Select**: mark student workstations for mass editing in the **Edit settings** window ([Figure 54](#): on page 60) called up by pressing the **Configure** button;
- **Network name**: network (WINS) name of the student workstation;
- **IP address**: IP address of the student workstation;
- **Seat ID**: Student Seat ID: an identification number of the student workstation in **Dialog Nibelung** (see section [Student module setup](#) on page 33);
- **Server**: IP address or network name of the teacher workstation (see section [Student module setup](#) on page 33);
- **Apply** button: applies new configuration to the current student workstation;
- **Status**: configuration transfer status.

Double click on the **Seat ID** or **Server** fields to edit parameters for the student workstation and press **Apply** button to send the new configuration.

You can also adjust other settings for selected workstations in the student modules settings window ([Figure 54](#): on page 60):

- **General**:
 - **Launch student module at Windows Startup**;
 - **Language**: user interface language;
 - **Mixers**:

- **Recording:** capture volume;
- **Playback:** playback volume;
- **Audio devices:**
 - **Default audio device for recording:** set default Windows recording audio device for the student module recording;
 - **Default audio device for playback:** set default Windows playback audio device for the student module playback;
- **Proxy server** - Internet access proxy settings for online updates. Set these if your classroom network has to access the Internet via a proxy server:
 - **IP address;**
 - **Port;**



Figure 54: Student modules' settings window

Please refer to section [Student module setup](#) on page 33 of this manual for further details of the student module settings.

In addition to student modules setup, the **Configurator** allows you to change the following parameters of the teacher module ([Figure 55:](#) on page 61):

- **External video player:**
 - **File path:** full path to the external video player executable file;
- **Mixers:**
 - **Recording:** capture volume;
 - **Playback:** playback volume;
- **Audio devices:**
 - **Default audio device for recording** - set default Windows recording audio device for student module recording;
 - **Default audio device for playback** - set default Windows playback audio device for student module playback;
- **Proxy server:** Internet access proxy settings for online updates. Set these if your classroom network has to access the Internet via a proxy server:
 - **IP address;**

- Port;

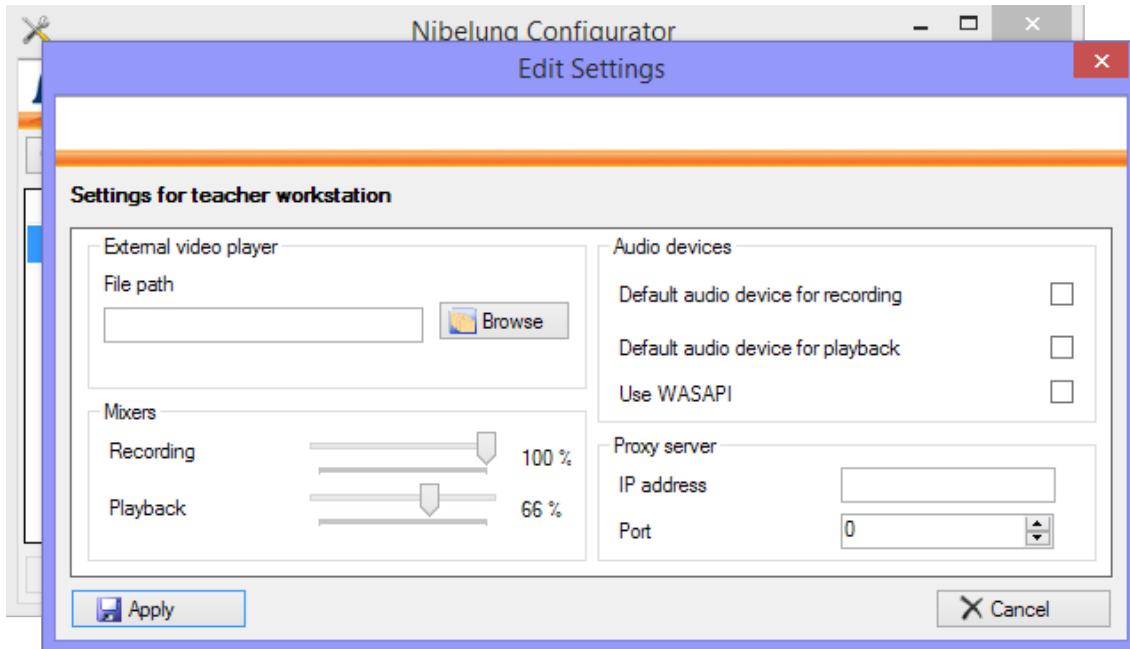


Figure 55: Teacher module settings window

Please refer to the section [Teacher module setup](#) on page 32 of this manual for further details of the teacher module settings.

Related Links

[Teacher module menu](#) on page 53

Резервное копирование и восстановление

При выборе пункта **Инструменты > Резервное копирование и восстановление** на экране компьютера преподавателя открывается окно резервного копирования и восстановления ([Figure 56:](#) on page 61).

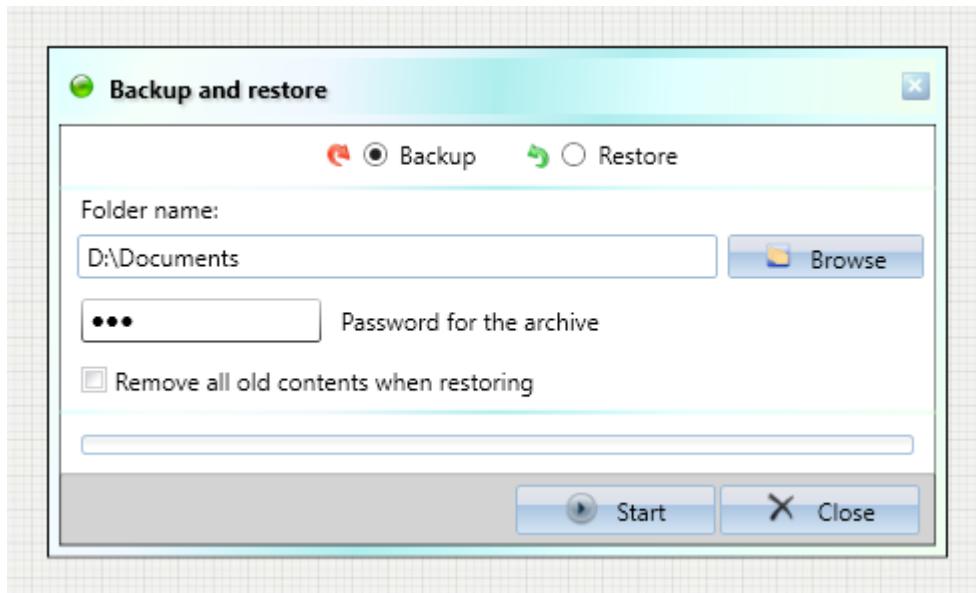


Figure 56: Okno Резервное копирование и восстановление

С помощью этого инструмента преподаватель имеет возможность сохранить все данные, находящиеся в папке преподавателя, и настройки в отдельный файл. В дальнейшем преподаватель может восстановить эти данные и настройки из файла резервного копирования.



Important: Если резервное копирование/восстановление выполняется под учетной записью администратора программы, то сохраняются/восстанавливаются папки всех преподавателей и системные настройки программы. Обратите внимание, что данные, находящиеся на брелках преподавателей (см. п. [Брелок преподавателя](#) on page 68), в данном случае в резервный архив не попадают.

Для того, чтобы начать процедуру резервного копирования, в окне **Резервное копирование и восстановление** необходимо выбрать режим **Резервное копирование**, затем выбрать папку назначения, куда будет помещен архив, при необходимости задать пароль на архив и нажать на кнопку **Старт**. В зависимости от размера архивируемых данных процедура резервного копирования может занять значительное время.



Tip: Задание пароля на архив позволяет защитить данные архива от несанкционированного просмотра, однако в случае утери пароля делает невозможным восстановление данных из этого архива.

Имя архивного файла назначается программой автоматически и имеет следующий вид:

<Каталог>\NibelungBackup-John Smith PhD-2016-04-21_12-55-03.zip

- <Каталог> - выбранный каталог, куда помещается архив
- NibelungBackup - префикс архивного файла, означающий, что данный архив создан программой **Nibelung**
- John Smith PhD - имя преподавателя или System в случае резервного копирования под учетной записью администратора программы
- 2016-04-21_12-55-03 - время создания архива в виде год-месяц-день_часы-минуты-секунды

Для того, чтобы начать процедуру восстановления данных из архива, в окне **Резервное копирование и восстановление** необходимо выбрать режим **Восстановление**, затем выбрать ранее созданный файл архива, при необходимости указать пароль на архив и нажать на кнопку **Старт**. В зависимости от размера архивируемых данных процедура восстановления может занять значительное время.

Если при восстановлении архива выбрана опция **Удалить все старое содержимое при восстановлении**, то все текущее содержимое папки преподавателя (или всех преподавателей в случае работы под учетной записью администратора программы) и все текущие настройки будут полностью заменены данными из архивной копии.



Important: Будьте осторожны с опцией **Удалить все старое содержимое при восстановлении**, так как это заменит все текущие файлы и настройки данными из архива и отменить это действие нельзя.

Related Links

[Teacher module menu](#) on page 53

Edit tools menu

Select **Tools > Edit** to edit contents of the **Tools** menu ([Figure 57: on page 63](#)).

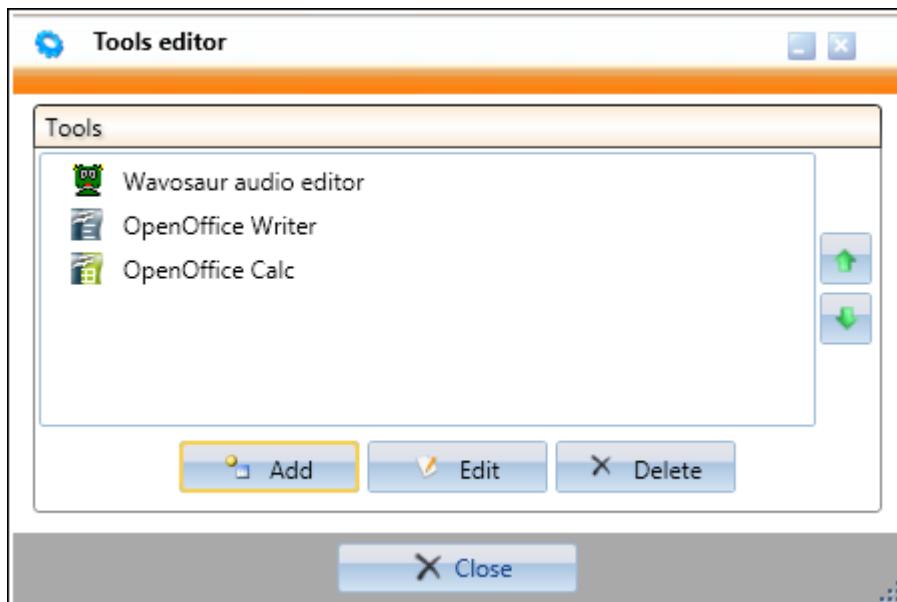


Figure 57: **Tools editor** window

You can add, remove, and edit items appearing in the **Tools** menu using this window. You customize the menu by creating your own items to launch various external applications, for example **Microsoft Word**, right from **Dialog Nibelung**.

A **Tool properties** window ([Figure 58: on page 63](#)) will appear on your screen upon pressing either **Add** or **Edit** buttons.

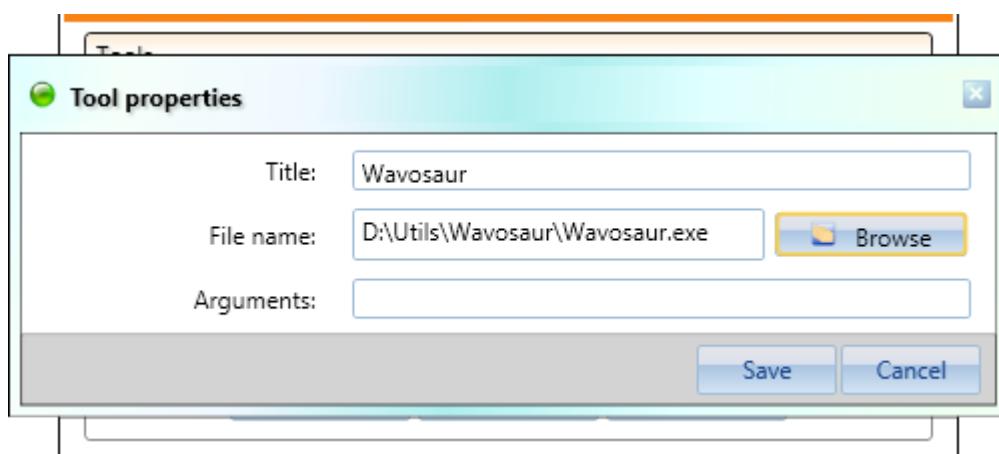


Figure 58: **Tool properties** window

You can set the following properties for a tool:

- **Title** - title under which the tool will appear in the **Tools** menu;
- **File name** - name of the executable file for the application to be launched;
- **Arguments** - optional command line arguments.

Related Links

[Teacher module menu](#) on page 53

4.2 Teacher accounts

Upon successful launch of the teacher module you will be presented with the login window ([Figure 59: on page 64](#)) on your screen. One must enter a valid teacher name and password to access a teacher account.

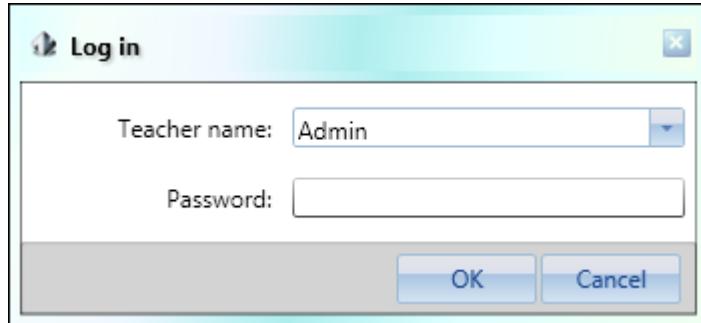


Figure 59: Teacher login window

Dialog Nibelung will create a corresponding teacher folder upon creation of the teacher account. This teacher folder can be used to store class files, session files, student records, teacher log book, etc. Each teacher has a separate folder with the name being the same as account's name.



Tip: The **Setup Wizard** creates an account with **Admin** user name and **Admin** password (case sensitive) for administration of **Dialog Nibelung**.

Danger: It is imperative to change **Admin** password upon the first login into the system. Failure to do so will put your classroom into an extremely vulnerable position for computer intrusion.

You can change the teacher account at any time during the session by selecting **File > Change teacher** from the menu. A **Teacher login window** ([Figure 59: on page 64](#)) will appear on your screen.

Select **File > Account management** from the menu to add and remove teacher accounts or to change an account password. A **Account management** window ([Figure 60: on page 64](#)) will appear on your screen. This window has a list of teacher accounts and **Add**, **Delete**, and **Change password** buttons.



Attention: Please note that you can only add or remove accounts when you are logged in as **Admin**.

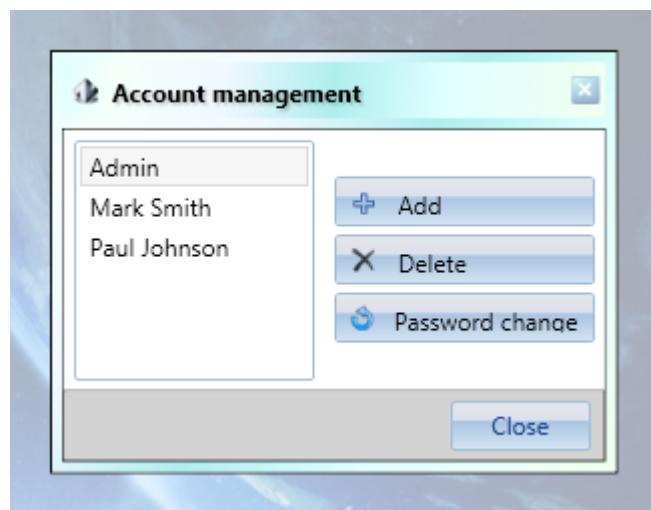


Figure 60: Account management window

An **Add teacher account** window ([Figure 61: on page 65](#)) will appear on your screen upon pressing the **Add** button. You should enter teacher's name, password, and confirm the password. The system will

automatically put an icon for this account's teacher folder on the desktop if the **Add teacher folder link to desktop** check box is selected.

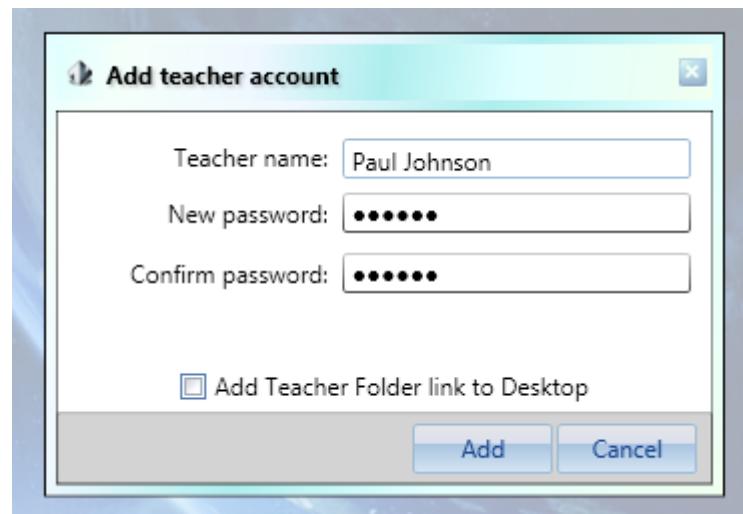


Figure 61: **Add teacher account** window

Select a teacher's name from the list and press the **Delete** button to remove an account from the system. Confirm your actions in the **Remove teacher account** window ([Figure 62: on page 65](#)) that will appear next.

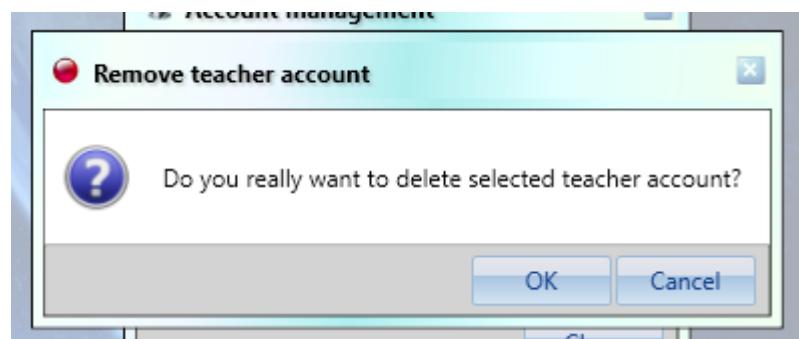


Figure 62: **Remove teacher account** window

Select a teacher's name from the list and press the **Change password** button to change account password. A **Password change** window (*Figure 63:* on page 66) will appear on your screen. Enter the old password, new password, and confirm the new password. Press the **Change** button to apply the new password.

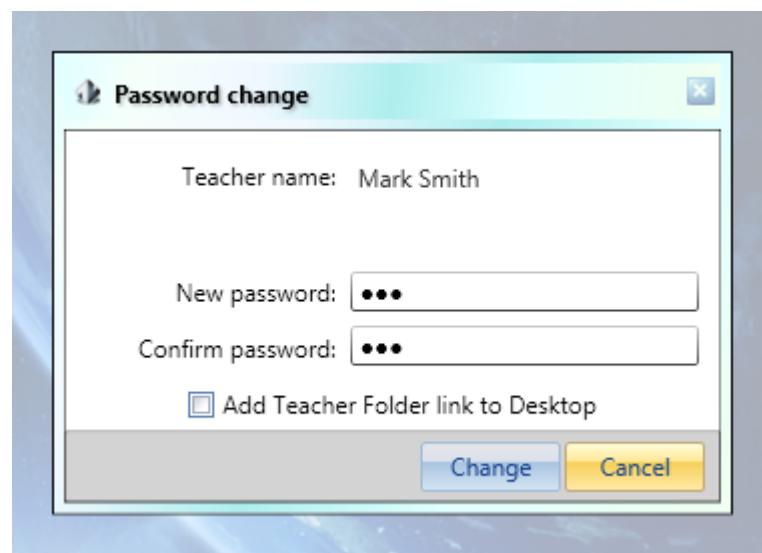


Figure 63: **Change password**

Related Links

[Teacher module](#) on page 51

4.3 Teacher settings

Select **File > Teacher settings** from the menu to change settings for the current teacher account.

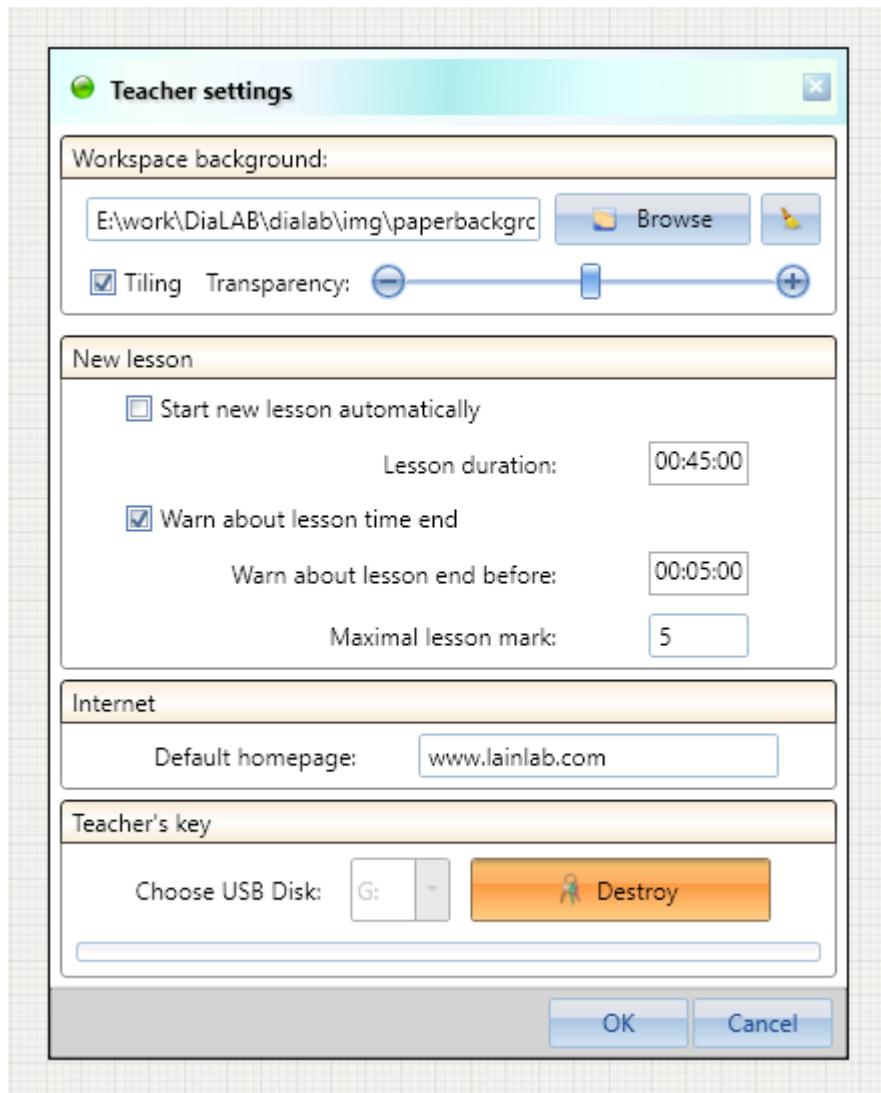


Figure 64: Окно Настройка преподавателя

В появившемся окне ([Figure 64: on page 67](#)) преподаватель может установить следующие персональные настройки:

- параметры фона рабочей области программы;
- параметры урока;
- адрес домашней страницы, которая будет отображаться при входе в режим интернет-браузера (п. [Internet on page 123](#)).

Кроме того, в данном окне преподаватель может создать или уничтожить персональный **Брелок преподавателя** (см. п. [Брелок преподавателя on page 68](#)).

К параметрам фона рабочей области программы относятся:

- файл изображения, который можно выбрать с помощью кнопки **Выбрать**;
- плитка - при выборе этой опции можно задать размещение изображения в рабочей области "плиткой", если эта опция не выбрана, то изображение растягивается на всю область;
- прозрачность - задает в процентах прозрачность изображения.

Для того, чтобы вернуть параметры фрна рабочей области к параметрам по умолчанию, необходимо щелкнуть по кнопке, расположенно справа от кнопки **Выбрать**.

Далее можно задать параметры урока.

При выборе пункта **Начать новый урок автоматически**, при запуске программы начнется новый урок без необходимости выбора соответствующего пункта меню **Журнал**.

Преподаватель может в соответствующих полях ввести требуемую продолжительность урока и время предупреждения об окончании урока.

Если выбрать пункт **Выдать предупреждение об окончании урока**, то программа выдаст окно предупреждения всем учащимся за время, которое установлено в соответствующем поле, а у преподавателя в строке статуса время урока будет выводится красным цветом (*Figure 47: on page 52*).

Также здесь можно установить максимальную оценку за урок.



Important: Обратите внимание, эти настройки действуют для нового урока.

Related Links

[Teacher module on page 51](#)

[Брелок преподавателя on page 68](#)

4.3.1 Брелок преподавателя

Брелок преподавателя - это специально подготовленный USB флэш накопитель, который содержит персональные файлы преподавателя. Использование **Брелка преподавателя** предоставляет следующие преимущества при работе с программой:

- автоматический запуск основной программы **Диалог Nibelung** при подсоединении брелка преподавателя к компьютеру с установленной программой **Диалог Nibelung**, а также автоматическое завершение основной программы **Диалог Nibelung** при отсоединении брелка преподавателя от компьютера;
- отсутствует необходимость ввода пароля при запуске основной программы **Диалог Nibelung**, так как этот пароль в зашифрованном виде присутствует на USB флэш накопителе;
- хранение всех персональных файлов преподавателя непосредственно на USB флэш накопителе, а не на жестком диске компьютера, что позволяет работать с этими файлами в другом классе или вне класса.

Для того, чтобы создать **Брелок преподавателя** выполните следующие действия:

- Вставьте USB флэш накопитель, имеющий достаточно свободного места, в любой USB разъем компьютера.
- Запустите программу **Диалог Nibelung** и войдите в нее под своим именем (см. п. *Teacher accounts on page 64*).
- Откройте диалог настроек преподавателя (см. п. *Teacher settings on page 67*), в нижней части этого диалога располагается инструмент создания брелка преподавателя (*Figure 57: on page 63*).
- Выберите диск USB, соответствующий вставленному USB флэш накопителю и нажмите кнопку **Создать**.
- Вам будет предложено ввести пароль - введите пароль, который используется для входа в программу под Вашей учетной записью.
- Далее программа оценит наличие свободного места на USB флэш накопителе, достаточного для переноса файлов из папки преподавателя на жестком диске компьютера на USB флэш накопитель, и если свободного места достаточно, то начнется процесс переноса файлов.
- После окончания переноса файлов кнопка **Создать** изменит надпись на **Уничтожить**, а брелок преподавателя будет готов к использованию.



Attention: После создания брелка преподавателя все файлы из папки преподавателя с жесткого диска компьютера будут перенесены на USB флэш накопитель, а сам преподаватель будет удален из списка преподавателей, которые доступны при входе в программу. Соот-

вественно, работа преподавателя с программой будет возможна только при подключении брелка преподавателя к компьютеру.



Figure 65: Создание брелка преподавателя

Для того, чтобы отменить работу с брелком преподавателя и вернуться к обычному входу в программу, необходимо снова открыть диалог преподавателя (см. п. [Teacher settings](#) on page 67) и нажать на кнопку **Уничтожить**. После ввода пароля преподавателя все файлы с USB флэш накопителя будут перенесены обратно на жесткий диск компьютера.

Related Links

[Teacher settings](#) on page 67

4.4 Class layout

At the start of a teacher module session you will typically open a class file or create a new one.

Select **Class > New** to open a **New class** window ([Figure 66:](#) on page 69) and enter number of students and number of rows in the classroom console. Press the **OK** button.

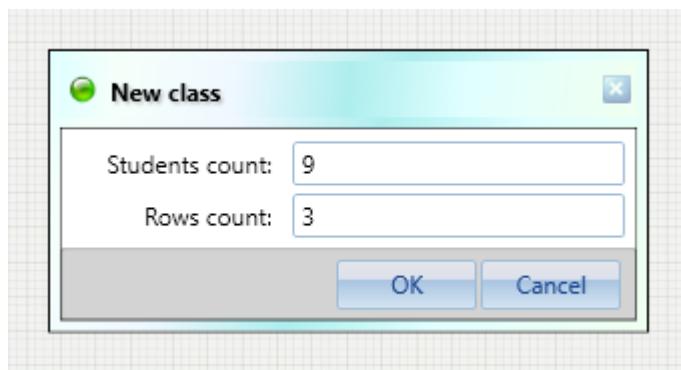


Figure 66: **New class** window

The student panels will appear in the classroom console, automatically arranged in the specified number of rows.

Select **Class > Edit** to change the class layout. The class editing mode is denoted by a check mark in the **Class > Edit** menu item. You can now drag and drop student panels to rearrange them in the classroom console.

Menu items **Class > Add student**, **Class > Remove student**, and **Class > Arrange** also become accessible in the class editing mode.

Select **Class > Add student** or **Class > Remove student** to add to or remove student panel from the class layout.

Select **Class > Arrange** to automatically rearrange the class layout according to the number of students and rows in the class.

Select **Class > Edit** again to exit the class editing mode (check mark in the menu will disappear).

Select **Class > Save** or **Class > Save as** (*Figure 67:* on page 70) to save this class layout for reuse.

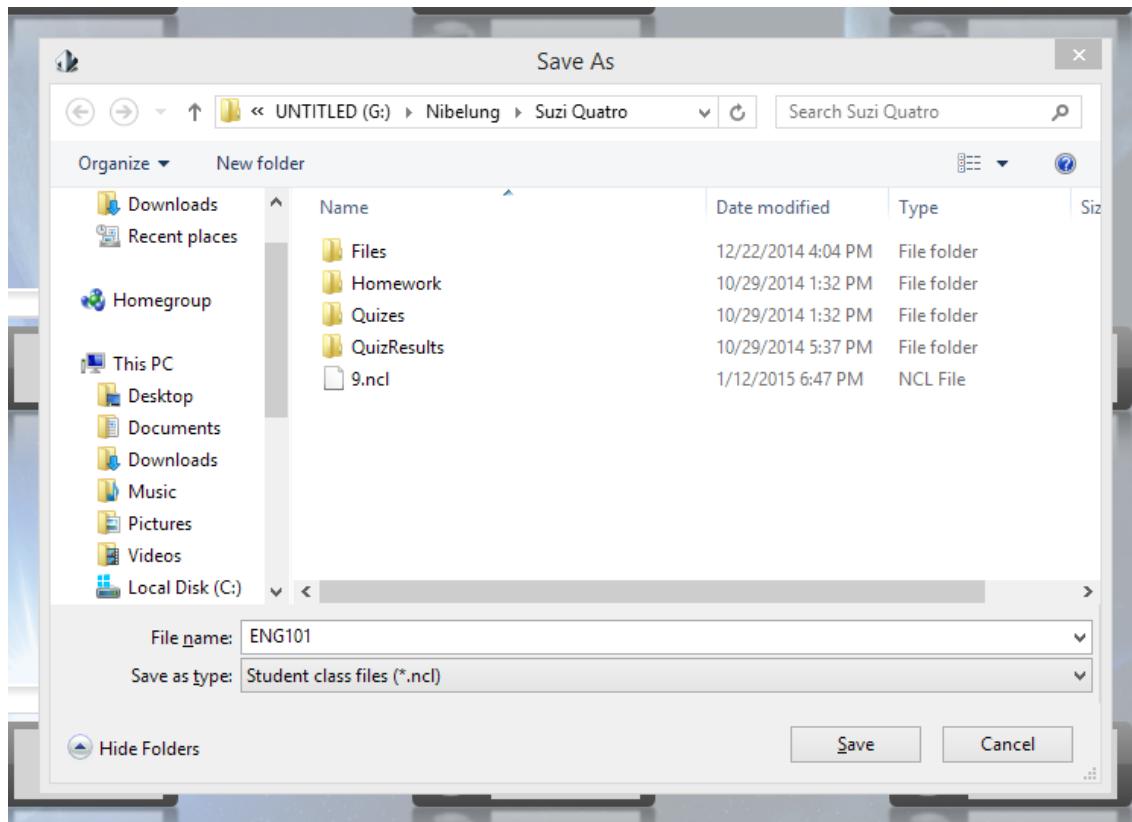


Figure 67: Save class window

Select **Class > Open** (*Figure 68:* on page 70) to open a previously saved class layout file.

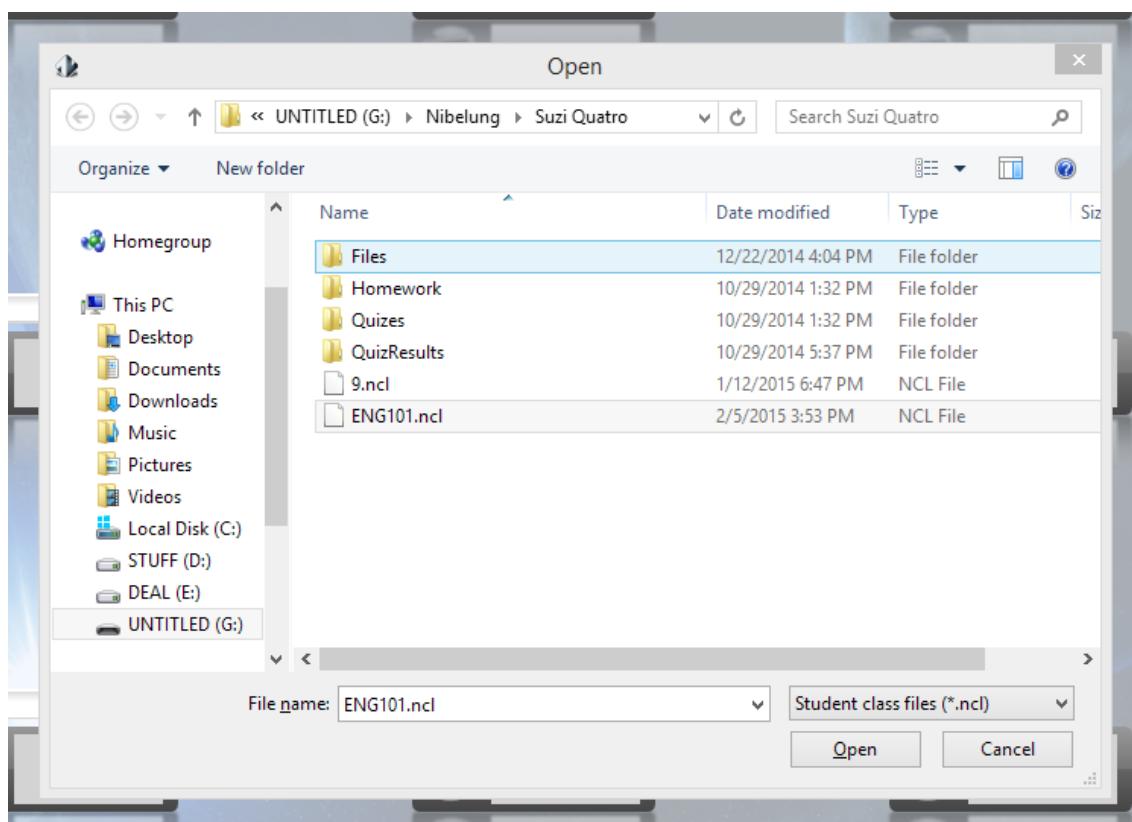


Figure 68: Open class window

Related Links

[Teacher module](#) on page 51

4.5 Roll call registration

The teacher might want to take attendance at the start of a lesson. Select **Class > Roll call** from the menu to initiate student roll call registration. A window will appear on student screens ([Figure 69:](#) on page 71) where they can enter their name and/or student ID number (depending on the school policies). The students have 60 seconds to complete the roll call. Failure to do so will result in the student panel marked with a red X mark ([Figure 70:](#) on page 71).

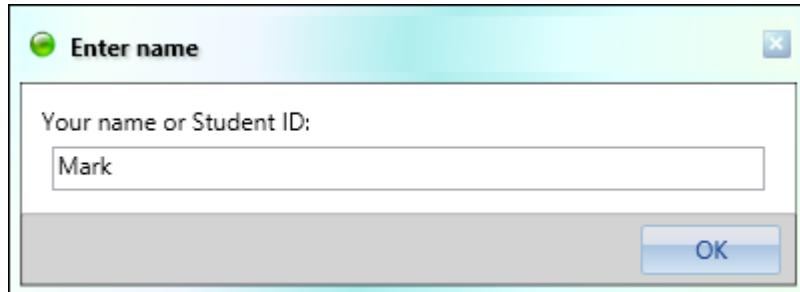


Figure 69: **Enter name** student registration window

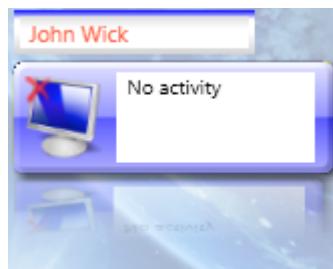


Figure 70: Panel of an absent student

Status bar of the teacher module window will show time remaining for the roll call. You can stop the roll call early by selecting **Class > Roll call** menu again.

The **Roll call results** window ([Figure 71:](#) on page 71) will appear on your screen after registration is completed.

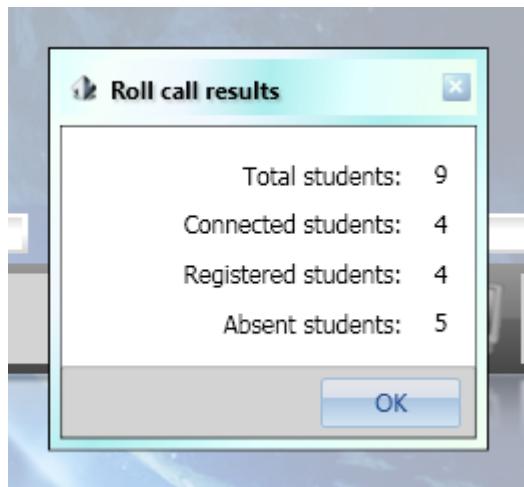


Figure 71: **Roll call results** window

Right click on a student panel and select **Change name** from the pop-up menu to change student's name and/or ID number after the roll call. Enter the new name into **Enter name** window ([Figure 69:](#) on page 71).

Если при регистрации или задании имени учащегося вручную случилась ситуация, что в классе уже существует учащийся с таким же именем, то имя этого учащегося будет отображаться красным цветом и рядом с именем будет стоять знак (!) ([Figure 72: on page 72](#)).

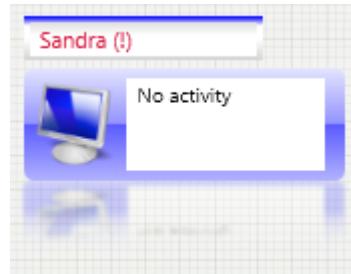


Figure 72: Дублирующееся имя учащегося

Related Links

[Teacher module on page 51](#)

4.6 Учетная карточка учащегося

При выборе контекстного пункта меню учащегося **Профиль учащегося > Учетная карточка учащегося** (см. п. [Student menu on page 76](#)) на экране появится окно ввода регистрационных данных учащегося ([Figure 73: on page 73](#)).

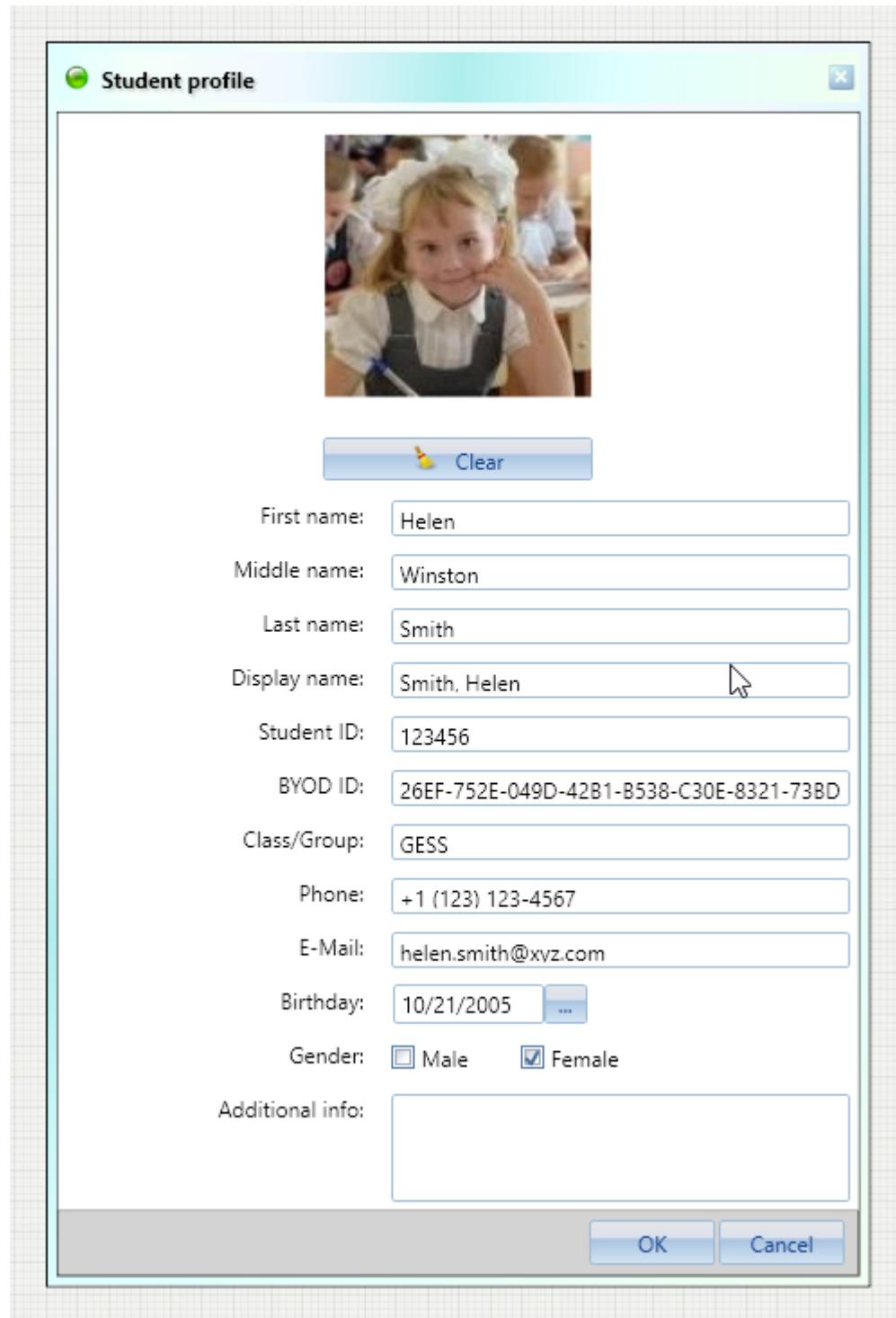


Figure 73: Окно Учетная карточка учащегося

Учетные данные учащихся могут быть сохранены в файле класса (сохраняются автоматически при сохранении класса - см. п. [Class layout on page 69](#)) либо могут храниться в специальной базе данных учащихся. Работа с базой данных учащихся рассматривается в п. [Введение on page 189](#).

В учетной карточке учащегося содержатся следующие сведения:

- 1 Фотография учащегося, либо любое другое изображение
- 2 Фамилия, Имя, Отчество учащегося
- 3 Отображаемое имя - имя, которое будет выводиться на графическом представлении учащегося в классе
- 4 Номер ученического билета
- 5 BYOD ID - уникальный номер персонального электронного устройства учащегося (например, планшета), на который установлена клиентская программа **Диалог Nibelung**
- 6 Класс или группа, в которой обучается учащийся
- 7 Телефон учащегося
- 8 E-mail учащегося
- 9 Дата рождения учащегося
- 10 Пол учащегося
- 11 Дополнительные сведения

Если в карточке учащегося заполнен номер ученического билета, то при регистрации (см. п. *Roll call registration* on page 71) учащиеся могут ввести номер своего ученического билета. В этом случае в регистрационные данные автоматически подставляются данные того учащегося, номер ученического билета которого совпадает с введенным номером.

Чтобы изменить фотографию учащегося, необходимо щелкнуть мышкой на изображении учащегося и в появившемся диалоговом окне выбрать любой графический файл. Чтобы очистить фотографию учащегося, необходимо нажать на кнопку **Удалить** под фотографией.

Related Links

[Teacher module](#) on page 51

4.7 Class tab

Class tab menu allows you to perform certain actions to all the students in the class regardless of their group affiliation.

Click on the gray tab marked with * to open the menu ([Figure 74: on page 74](#)).

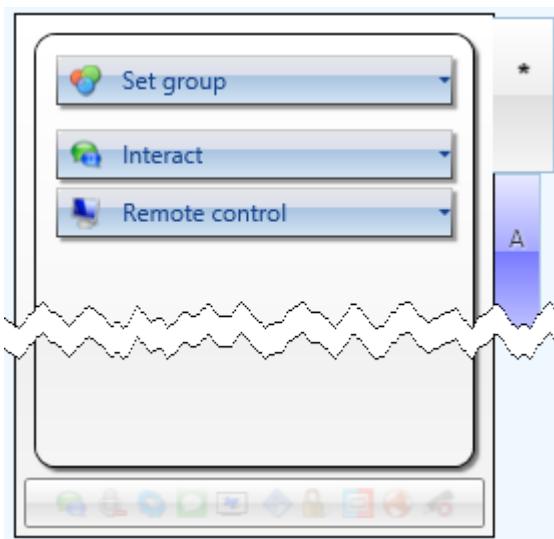


Figure 74: Class tab menu

Class tab menu buttons:

- **Set group** (group all registered students together) (see [Grouping of students](#) on page 78)
- **Interact** (see [Interacting with students](#) on page 78)
- **Remote control** (see [Remote control of student workstations](#) on page 99)

A status bar at the bottom of the class tab contains icons indicating active settings for this class:

- Conversation (section [Conversation](#) on page 79)
- Microphones muted (section [Mute microphone](#) on page 103)
- Launch applications (section [Launch applications](#) on page 81)
- Class chat (section [Chat](#) on page 83)
- Class whiteboard (section [Интерактивная доска](#) on page 88)
- Input locked (section [Lock input](#) on page 102)
- Computers locked (section [Lock computer](#) on page 103)
- Application launch control (section [Launch control](#) on page 107)
- Internet access control enabled (section [Web access control](#) on page 104)
- Removable media disabled (section [Disable removable storage](#) on page 103)

An inactive mode has the corresponding icon grayed out, and colorful otherwise.

Related Links

[Teacher module](#) on page 51

4.8 Group tab

A group tab allows you to perform certain actions to all students affiliated with a particular group.

Click on the group tab (A...J) to open the group tab menu ([Figure 75:](#) on page 75).

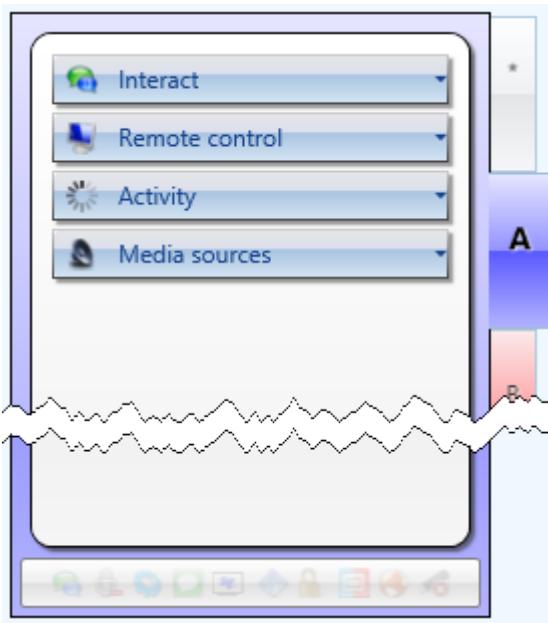


Figure 75: Group tab

Group tab menu buttons:

- **Interact** (see [Interacting with students](#) on page 78)
- **Remote control** (see [Remote control of student workstations](#) on page 99)
- **Activity** (see [Student activities](#) on page 112)
- **Media sources** (see [Media sources](#) on page 128)

A status bar at the bottom of the tab contains icons indicating active settings for the current group:

- Conversation (section [Conversation](#) on page 79)
- Microphones muted (section [Mute microphone](#) on page 103)

- Launch applications (section [Launch applications](#) on page 81)
- Group chat (section [Chat](#) on page 83)
- Group whiteboard (section [Интерактивная доска](#) on page 88)
- Input locked (section [Lock input](#) on page 102)
- Computers locked (section [Lock computer](#) on page 103)
- Application launch control (section [Launch control](#) on page 107)
- Internet access control enabled (section [Web access control](#) on page 104)
- Removable media disabled (section [Disable removable storage](#) on page 103)

An inactive mode has the corresponding icon grayed out, and a colorful one otherwise.

Related Links

[Teacher module](#) on page 51

4.9 Student menu

Right click on a student panel to open a pop-up menu of actions for this student.

В заголовке меню будет отображаться имя учащегося, в скобках рядом с именем указывается порядковый номер учащегося в классе.

Student menu items	Icon
Listen (see Listen on page 78)	
Conversation (see Conversation on page 79)	
Mute microphone (see Mute microphone on page 103)	
Record (see Recording on page 79)	
Record conversation (see Recording conversation with the teacher on page 80)	
Message (see Messaging on page 92)	
Homework (see Homework assignments on page 93)	
Screen thumbnail (see Screen thumbnails on page 100)	
Web cam (see Video monitoring on page 101)	
Remote desktop (see Remote desktop window on page 110)	
Lock input (see Lock input on page 102)	
Lock computer (see Lock computer on page 103)	
Terminate process (see Terminating remote processes on page 108)	
Internet access (see Internet access control on page 103)	
Removable media (see Disable removable storage on page 103)	
Raise (see Raising the student module window on page 106)	
Power control (see Power control on page 106)	
- Log out	

Student menu items	Icon
- Shutdown	
- Reboot	
- Standby	
- Power on	
Grade (see Log book on page 139)	
- None	
- 1	
- 2	
- 3	
- 4	
- 5	
- custom entry field; this field shows up whenever maximum lesson score set in Teacher settings (see Teacher settings on page 67) is not equal to 5	
Set group (see Grouping of students on page 78)	
- None	
- Group A	
- Group B	
- Group C	
- Group D	
- Group E	
- Group F	
Student profile (see Roll call registration on page 71)	
Name	
Set image	
Set photo	
Учетная карточка учащегося	

Related Links[Teacher module](#) on page 51

4.10 Grouping of students

Students in the class can be working individually or grouped together. You can create up to 10 groups in the class.

Students can be assigned to a group using one of the several methods:

- right click on a student panel, select **Set group**, then select one of the groups;
- select several students (press and hold **Ctrl** key on your keyboard, select students with your mouse, and release **Ctrl**), then right click on an empty space in the classroom console, select **Set group** from the pop-up menu, and select a group;
- select several students (as above) and drag their panels to a group tab on the left;
- you can also assign all the students in the class to the same group by using the **Set group** button on the class tab ([Figure 74: on page 74](#)).

Upon successfully joining a group, student icon in the classroom console will acquire color of that group, and group name will appear in the status bar of the student module window (see [Figure 163: on page 154](#)).

Related Links

[Teacher module](#) on page 51

4.11 Interacting with students

Dialog Nibelung allows you to interact with your students in several ways. We will describe them in this section .

Related Links

[Teacher module](#) on page 51

[Listen](#) on page 78

[Conversation](#) on page 79

[Recording](#) on page 79

[Recording conversation with the teacher](#) on page 80

[Launch applications](#) on page 81

[Chat](#) on page 83

[Голосование / Опрос](#) on page 84

[Интерактивная доска](#) on page 88

[Messaging](#) on page 92

[Students calling for help](#) on page 92

[Messages from students](#) on page 93

[Homework assignments](#) on page 93

4.11.1 Listen

In this mode the teacher can listen to student's microphone without alerting the student. Select **Listen** from the student pop-up menu (see section [Student menu](#) on page 76) to enable this mode.

A headset icon ([Figure 76: on page 79](#)) will appear on the student panel in listening mode.

Both parties will be heard if the student is having a conversation with another student.



Figure 76: Student panel in **Listen** mode

Please see [Discussion](#) on page 116 of this manual for listening to a group conversation in **Discussion** mode.

Select **Listen** from the student pop-up menu (see section [Student menu](#) on page 76) again to exit the listening mode.

Related Links

[Interacting with students](#) on page 78

4.11.2 Conversation

In this mode the teacher can enter a conversation with a student, a group of students, or the whole class.

An icon ([Figure 77:](#) on page 79) will appear on panel of a student in conversation with the teacher mode.

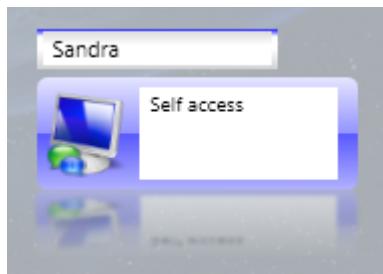


Figure 77: Conversation icon

Select **Conversation** form the student pop-up menu (see section [Student menu](#) on page 76) to enter a conversation with this particular student.

Press **Activity** button in the group tab (see section [Group tab](#) on page 75), and select **Conversation** to enter conversation with a group.

Press **Activity** button in the class tab (see section [Class tab](#) on page 74), and select **Conversation** to enter conversation with the whole class.



Tip: Conversation mode can also be used to make announcements to a group or the whole class.

Repeat the action described above to exit the conversation mode.

Related Links

[Interacting with students](#) on page 78

4.11.3 Recording

The teacher can make voice recordings of a selected student, group, or the whole class.

Select **Record** from the student pop-up menu (see section [Student menu](#) on page 76) to record this student.

A recording icon ([Figure 78: on page 80](#)) will appear on the student panel.

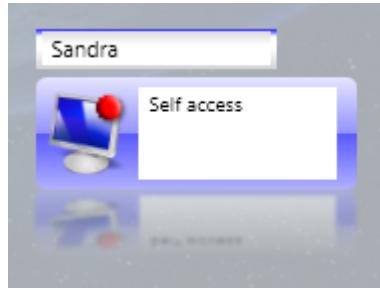


Figure 78: Recording student icon

Select group tab, press **Activity** button (see section [Group tab](#) on page 75), and select **Record** to record a group of students.

Select the Class tab, press **Activity** button (see section [Class tab](#) on page 74), and select **Record** from the menu to record the whole class.

Whenever a class or group recording is engaged the red dot next to **Record** item in the corresponding menu changes to a check mark.

Repeat the actions described above to stop the recording.

Student recordings are saved as **MP3** files in the Waves sub-folder of the teacher folder. For example, Jane Austen\Waves\ENG101\2015-02-06\John Doe (5-55 PM).mp3, where

- **Jane Austen** – teacher name,
- **ENG101** – class,
- **2015-02-06** – recording date in year-month-day format,
- **John Doe** – student name,
- **5-55 PM** – recording time.



Tip: If selected student is paired with another student for a conversation, both voices will be recorded in the same file. The file name will reflect this, e.g. John Doe + Mary Brown (5-55 PM).mp3.

Related Links

[Interacting with students](#) on page 78

4.11.4 Recording conversation with the teacher

You can record your conversation with a student using the **Record conversation** mode from the student menu.

An icon with double red dot will appear on the student panel ([Figure 79: on page 80](#)).

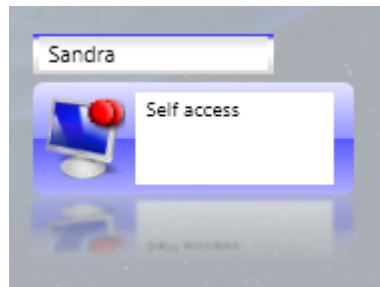


Figure 79: Recording conversation with the teacher

Whenever conversation recording mode is engaged, a red dot next to the **Record conversation** item in pop-up menu will change to a check mark.

Conversation recording are saved as **MP3** file in a sub-folder of the teacher folder, e.g. Jane Austen\Waves\ENG101\2015-02-06\John Doe (5-55 PM) conversation.mp3, where

- **Jane Austen** – teacher name,
- **ENG101** – class,
- **2015-02-06** – recording date in year-month-day format,
- **John Doe** – student name,
- **5-55 PM** – recording time.



Tip: If selected student is paired with another student for a conversation, both voices will be recorded in the same file. The file name will reflect this, e.g. John Doe + Mary Brown (5-55 PM) conversation.mp3.

Related Links

[Interacting with students](#) on page 78

4.11.5 Launch applications

This mode allows the teacher to remotely launch applications on a selected group or the whole class of student workstations.

Press **Activity** button in the group tab (see [Group tab](#) on page 75) and select **Launch** from the group menu to enable this mode for the group.

Press **Activity** button in the class tab (see [Class tab](#) on page 74) and select **Launch** from the class tab menu to enable this mode for the whole class.

A **Launch application** window ([Figure 80:](#) on page 81) will appear on your screen.

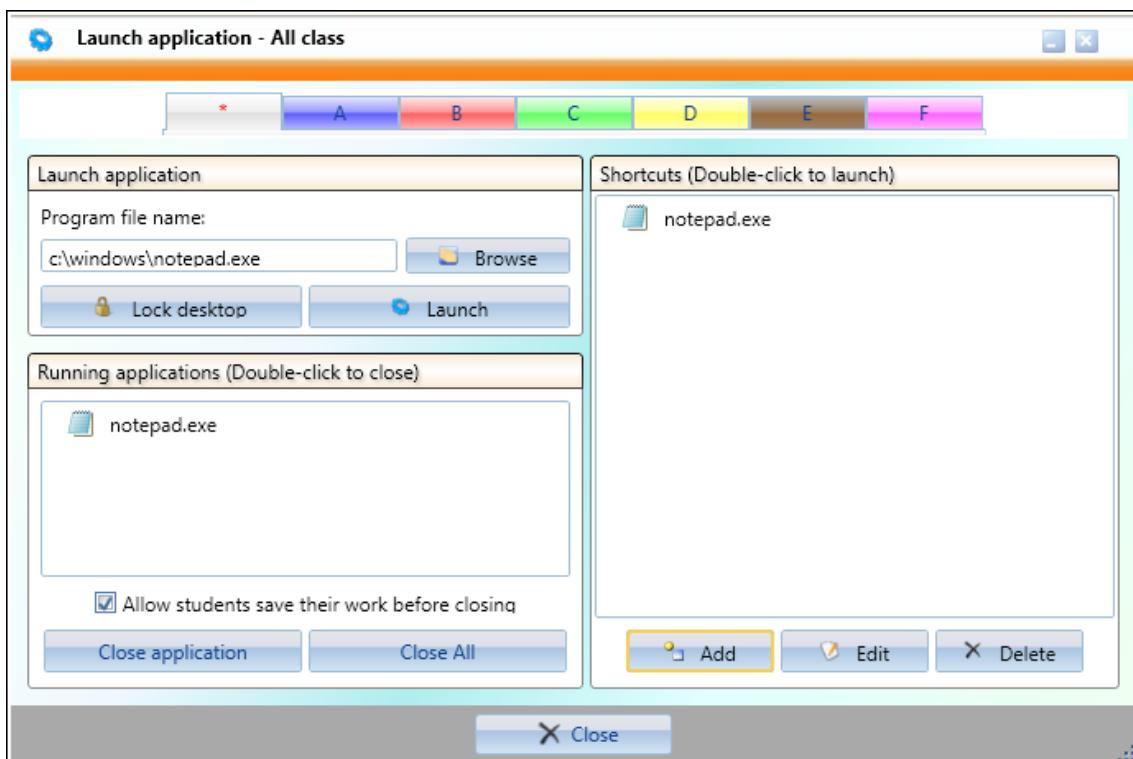


Figure 80: Launch application

Class and group tabs are located just below the window title bar. They can be used to quickly switch the action to a different group.

A **Select application** panel is in the top left part of the window. Use this panel to specify command line to launch an application.

You can select an executable file by pressing **Browse** button. You can also manually specify executable file including full path and command line parameters in the **Command line** field. This gives you an opportunity to remotely open files on the student workstations, e.g.: C:\WINDOWS\NOTEPAD.EXE C:\TEST.TXT.



Attention: Please note that the application to be launched has to be installed **on all student workstations**. The executable either has to be either accessible through the PATH environment variable (in which case you can specify just the executable, omitting the full path), or path has to be **the same on all workstations**.



Attention: Please note that the file C:\TEST.TXT in the example shown above must exist on all student workstations.

You can launch applications using any of the three methods:

- manually enter executable file name into the **Command line** field or use the **Browse** function, then press the **Launch** button;
- double click on an application in the **Shortcuts** panel located in the right portion of the window;
- select an application in the **Shortcuts** panel, then press **Launch** button in the **Select application** panel.

The application will be launched on the student workstations and will appear in the **Running applications** panel located in the lower left portion of the window.



Important: Please note that whenever an application was launched remotely on a group of student workstations, the name of this group on its tab will be displayed in red.

If the **Lock desktop** button was selected prior to launching the application, then the application will be launched on an empty desktop.

The students will still be able to close the application launched in locked desktop mode, however in this case they would be left with an empty desktop.



Tip: A student workstation will revert to the regular Windows desktop once all applications launched in the lock desktop mode have been closed remotely.

Use the **Add** button to add applications to the **Shortcuts** list. A **Shortcut properties** window will appear on your screen ([Figure 81: on page 82](#)). This window contains following fields:

- Shortcut name** – shortcut title that will be displayed in the application list;
- Command line**;
- Also stop when application exits** – list of applications that will also be terminated when this application is closed (see section [Terminating remote processes on page 108](#)).

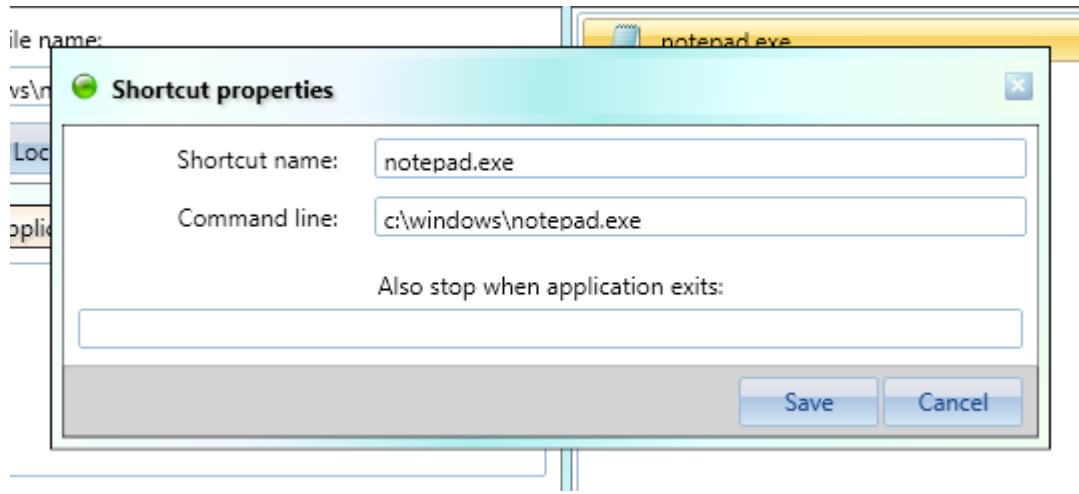


Figure 81: Application **Shortcut properties** window

Select an application from the list and press **Edit** button to edit shortcut properties. The **Shortcut properties** window ([Figure 81: on page 82](#)) will appear, where you can change shortcut parameters.

Use the **Delete** button to remove shortcuts.

Double click on an application title in the **Running applications** panel to close it. Alternatively, select an application in the panel and press **Close** button. The students will be given a chance to save their files whenever **Allow students to save their work before closing** option is selected.

Use **Close all** button to close all remotely launched applications for the current group.

Press **Close** button to close this window.

Related Links

[Interacting with students](#) on page 78

4.11.6 Chat

This mode can be used to start a chat session in the whole class or in the group.

Press **Activity** button in class tab (see section [Class tab](#) on page 74) or in selected group tab (see section [Group tab](#) on page 75), followed by selecting **Chat** from the group menu to start a group chat session.

A chat session window ([Figure 82:](#) on page 83) will appear on your screen. The window has group tabs along its top border for quick switching between group chat sessions. Message panel is on the left, list of chat participants is on the right.

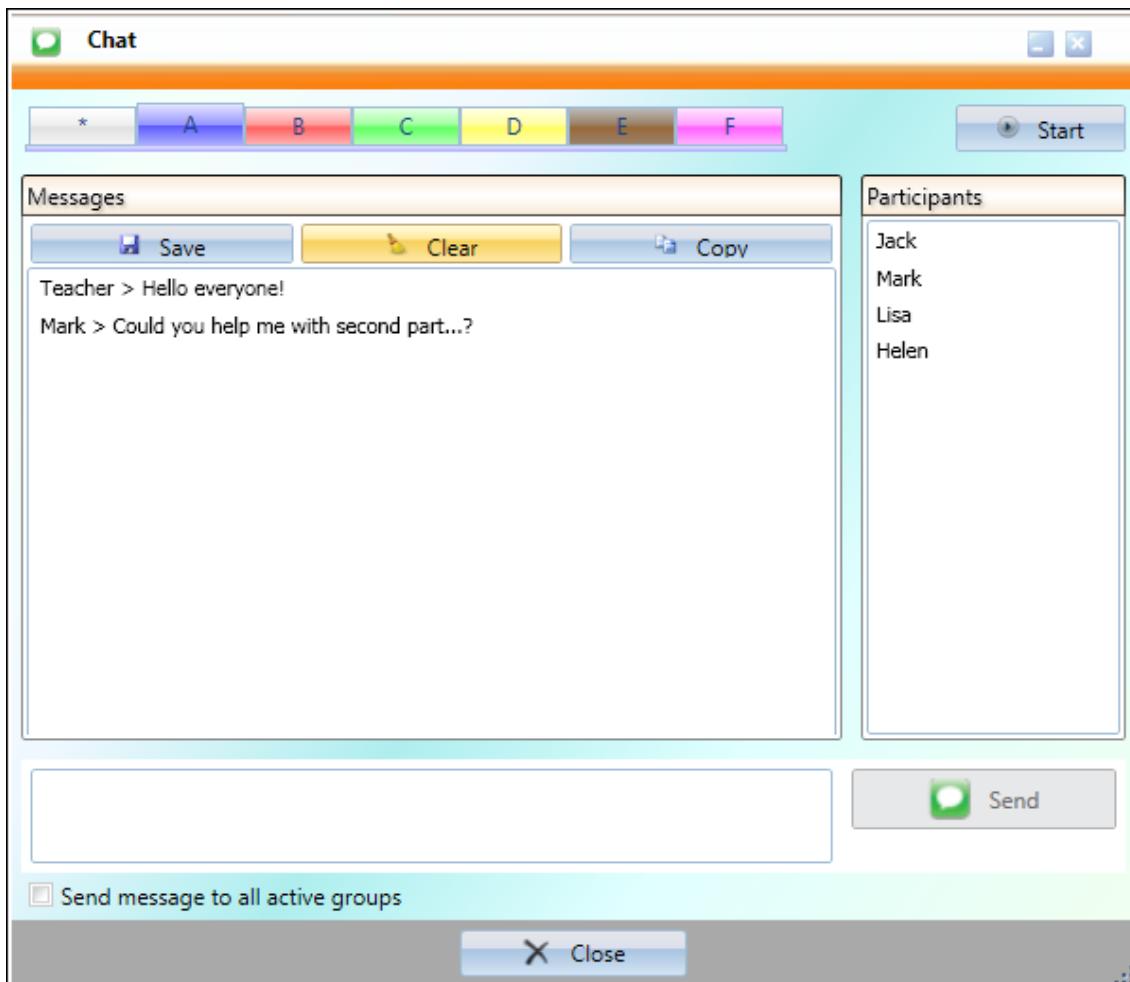


Figure 82: Chat session window

Press the **Start** button to activate a chat session (at which point **Start** button will be replaced with a **Stop** button). A chat window will open on every group member screen.



Important: Please note that groups that have an active chat session will have their names displayed on their tabs in red color.

Enter your message into the text field immediately below the **Messages** panel and press the **Send** button to send a message to the chat session.

Check the **Send message to all active groups** box before pressing **Send** to send a message to all groups that have a chat session active.

Use the **Clear** button to clear the message panel.

Use the **Save** button to save a text log of the chat session on your hard drive.

Use the **Stop** button to finish the current session.

Press **Close** button to close the **Chat** window. At this point you will be offered to close all active chat sessions.

Related Links

Interacting with students on page 78

4.11.7 Голосование / Опрос

Голосование / Опрос - это режим, с помощью которого преподаватель может оперативно провести несложное голосование в классе или быстрый опрос учащихся.

Чтобы начать голосование или быстрый опрос для всего класса или для определенной группы, преподаватель должен в меню всего класса (п. *Class tab* на стр.74) или нужной группы (п. *Group tab* на стр.75) нажать на кнопку **Взаимодействие**, а потом выбрать пункт **Голосование / Опрос**.

На экране монитора преподавателя появится окно управления голосованием или опросом (*Рис.83* на стр.84).

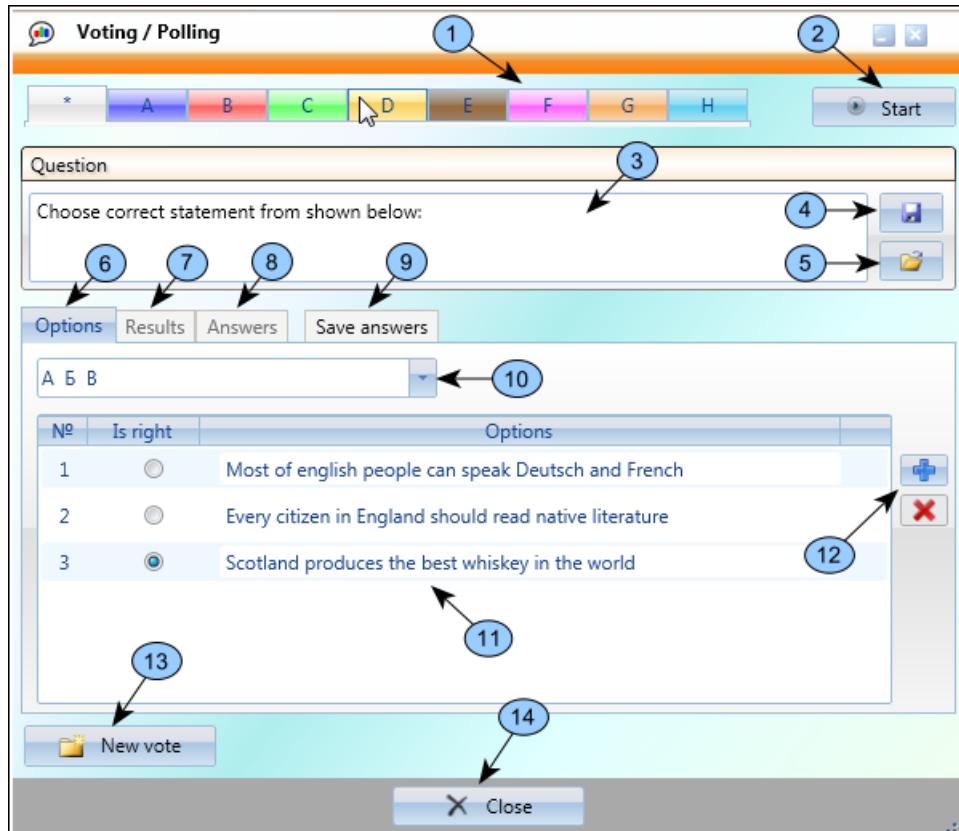


Рис.83 Окно управления голосованием или опросом

На этом рисунке цифрами обозначены:

- 1 Закладки групп.
- 2 Кнопка **Старт/Стоп** для запуска или останова режима голосования для всего класса или для определенной группы.
- 3 Область вопроса, в которой преподаватель должен ввести вопрос для голосования или опроса.
- 4 Кнопка открытия ранее сохраненного вопроса для голосования или опроса.
- 5 Кнопка сохранения текущего вопроса в базе данных вопросов для голосования или опроса.

- 6 Закладка управления вариантами ответов на вопрос голосования или опроса.
- 7 Закладка просмотра результатов голосования или опроса.
- 8 Закладка просмотра ответов учащихся на вопрос голосования или опроса.
- 9 Кнопка сохранения отчета о результатах голосования или опроса.
- 10 Выпадающий список для выбора вариантов ответов на вопрос голосования или опроса из числа предопределенных вариантов ответа.
- 11 Список вариантов ответов на вопрос голосования или опроса.
- 12 Кнопки управления списком ответов на вопрос голосования или опроса (добавить или удалить вариант ответа).
- 13 Кнопка сброса текущих установок голосования или опроса и начало нового голосования или опроса.
- 14 Кнопка закрытия окна управления голосованием или опросом.

Далее для создания нового опроса или голосования необходимо в поле (3) ввести текст вопроса, в списке (10) выбрать один из вариантов ответов на вопрос и при необходимости отредактировать список ответов с помощью кнопок (12). Также существует возможность выбрать ранее сохраненный опрос или голосование с помощью кнопки (4) ([Рис.84](#) на стр.85). С помощью кнопки (5) можно сохранить текущий сформированный опрос или голосование для последующего использования.

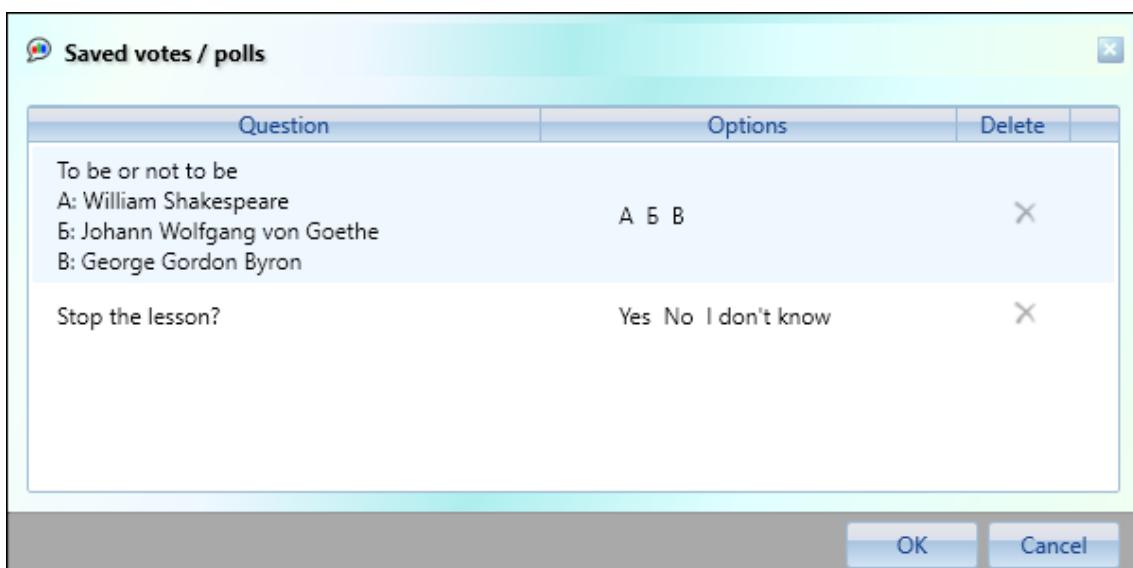


Рис.84 Список сохраненных голосований или опросов

После того, как сформирован опрос или голосование, необходимо нажать на кнопку **Старт** (название ее поменяется на **Стоп**). На экранах учащихся появится окно ([Рис.85](#) на стр.86), в котором они должны сделать свой выбор и нажать на кнопку **Отправить**. А в окне преподавателя автоматически откроется вкладка **Результаты**.



Важное замечание: Обратите внимание, что в группах, где запущен опрос или голосование, имя группы на соответствующей закладке выводится красным цветом.

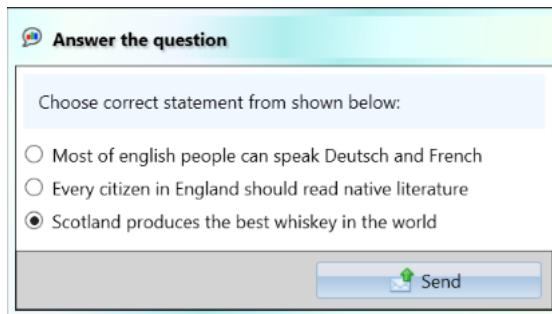


Рис.85 Окно выбора ответа на экране учащихся

Преподаватель может в режиме реального времени слежить за ходом голосования (Рис.86 на стр.86). На данном рисунке ответы учащихся представлены в виде гистограммы. По гистограммой расположена шкала, отображающая количество ответивших учащихся. Когда данная шкала будет полностью заполнена, это будет означать, что в опросе или голосовании прняли все учащиеся. После этого можно нажать на кнопку **Стоп**, тем самым завершив текущий опрос или голосование.

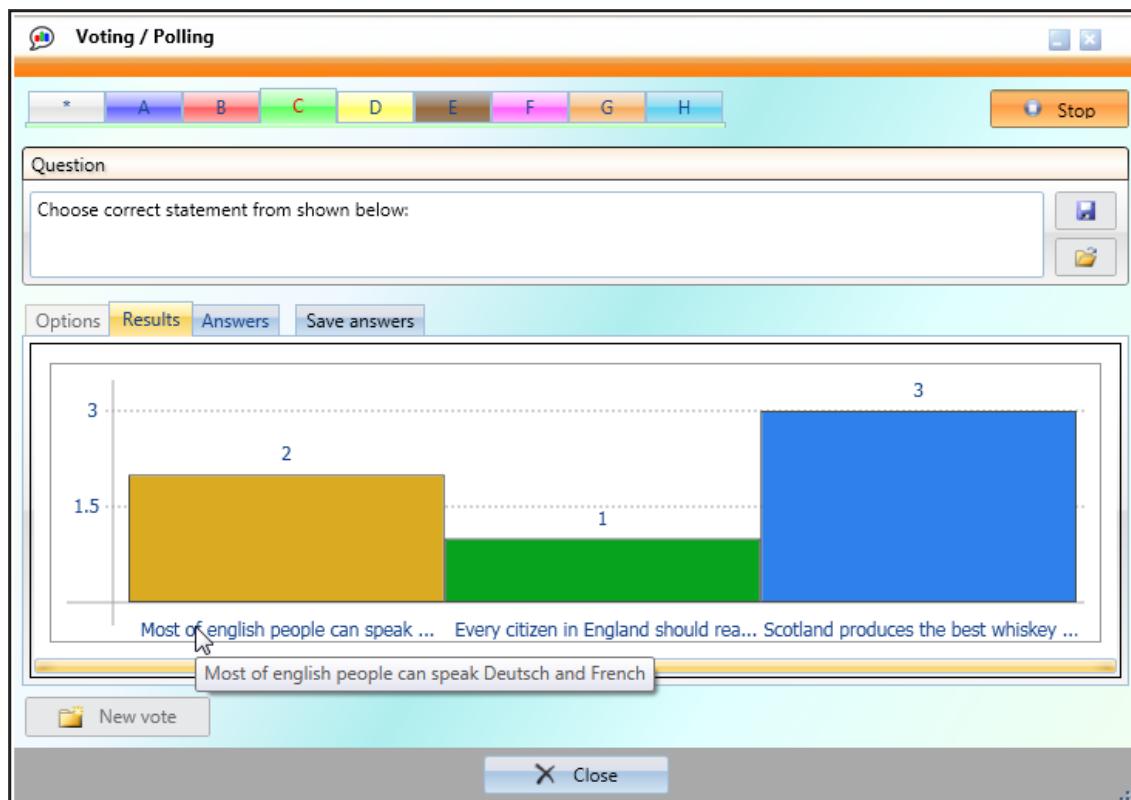


Рис.86 Результаты голосования

После завершения опроса или голосования при нажатии на кнопку **Старт** в окне преподавателя автоматически откроется закладка **Ответы** (Рис.87 на стр.87), в которой будет представлен список ответов учащихся. Данный список состоит из:

1. имени учащегося
2. ответа учащегося
3. времени, когда ответил учащийся

4. признака правильного ответа на вопрос (если вопрос подразумевал правильный ответ в списке ответов)

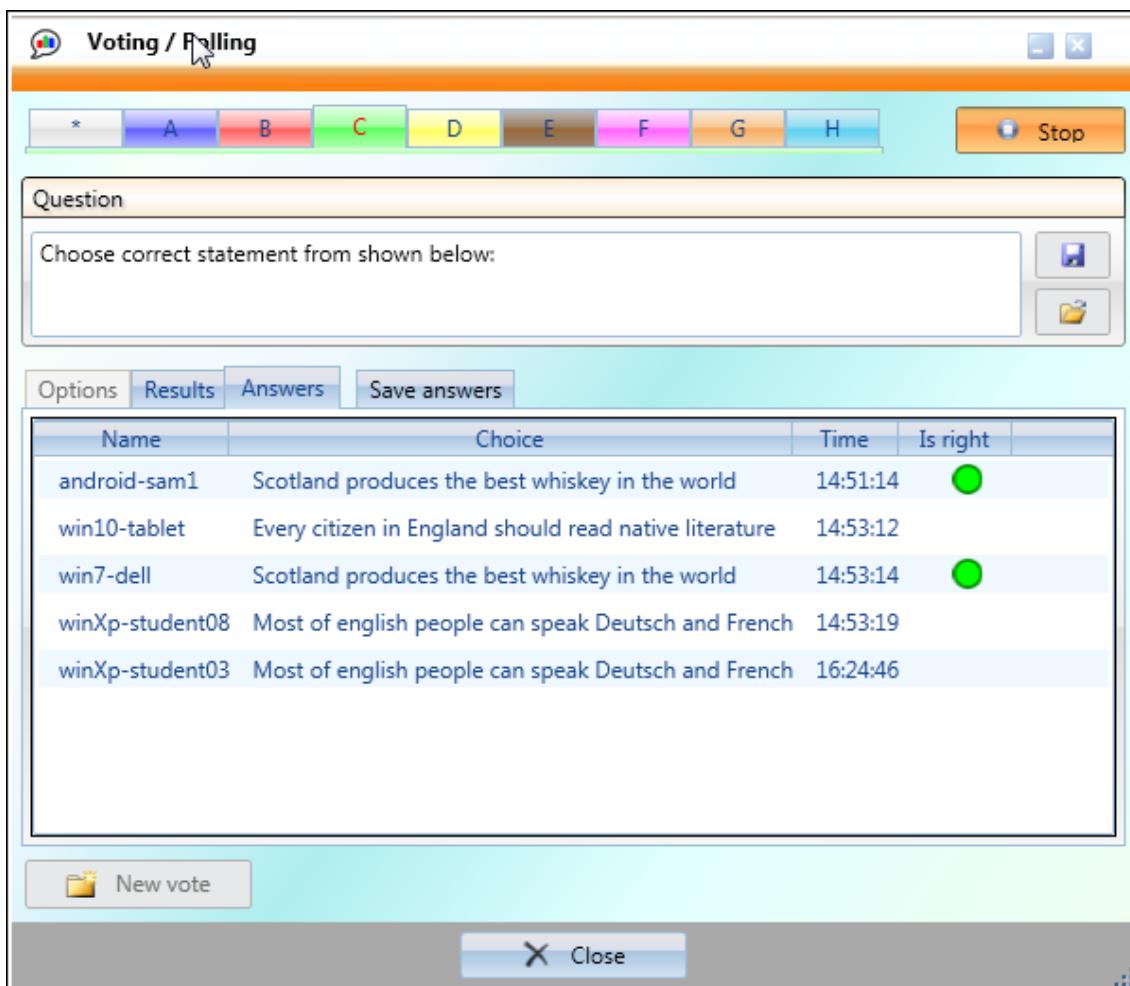


Рис.87 Список ответов на вопрос опроса или голосования

Результаты опроса или голосования можно сохранить в HTML файл для дальнейшего анализа или печати, для этого необходимо выбрать закладку при нажатии на кнопку **Сохранить ответы**. В появившемся диалоге необходимо ввести имя файла для сохранения и нажать на кнопку **Сохранить**. Результаты голосования или опроса будут сохранены в выбранный файл. После сохранения будет предложено просмотреть результаты экспорта. Если нажать на кнопку **Да**, то откроется

окно браузера по умолчанию (обычно Microsoft Internet Explorer) с содержимым сохраненного файла ([Рис.88](#) на стр.88).

Voting results

Teacher Admin
Class 10students

Question Choose correct statement from shown below:

Options Most of english people can speak Deutsch and French | Every citizen in England should read native literature | Scotland produces the best whiskey in the world

Right choice Scotland produces the best whiskey in the world

Name	Choice	Time	Is right
win10-tablet	Scotland produces the best whiskey in the world	14:42:24	+
android-sam1	Scotland produces the best whiskey in the world	14:40:30	+
win7-dell	Scotland produces the best whiskey in the world	14:42:29	+
win7-student09	Every citizen in England should read native literature	14:42:36	
winXp-student08	Most of english people can speak Deutsch and French	14:42:42	
winXp-student03	Most of english people can speak Deutsch and French	16:14:09	

Date 6/21/2016 2:43:22 PM

Рис.88 Отчет о результатах опроса или голосования

См. также:

[Interacting with students](#) на стр.78

4.11.8 Интерактивная доска

В этом режиме учащиеся и преподаватель могут совместно рисовать на виртуальной интерактивной доске. При этом результаты рисования отображаются в специальном окне, открывающемся в этом режиме на экранах учащихся и на экране преподавателя.

Чтобы открыть интерактивную доску для всего класса или для определенной группы, преподаватель должен в меню всего класса (см. [Class tab](#) на стр.74) или нужной группы (см. [Group tab](#) на стр.75) нажать на кнопку **Взаимодействие**, а потом выбрать пункт **Интерактивная доска**.

На экране монитора преподавателя появится окно интерактивной доски (Рис.89 на стр.89).

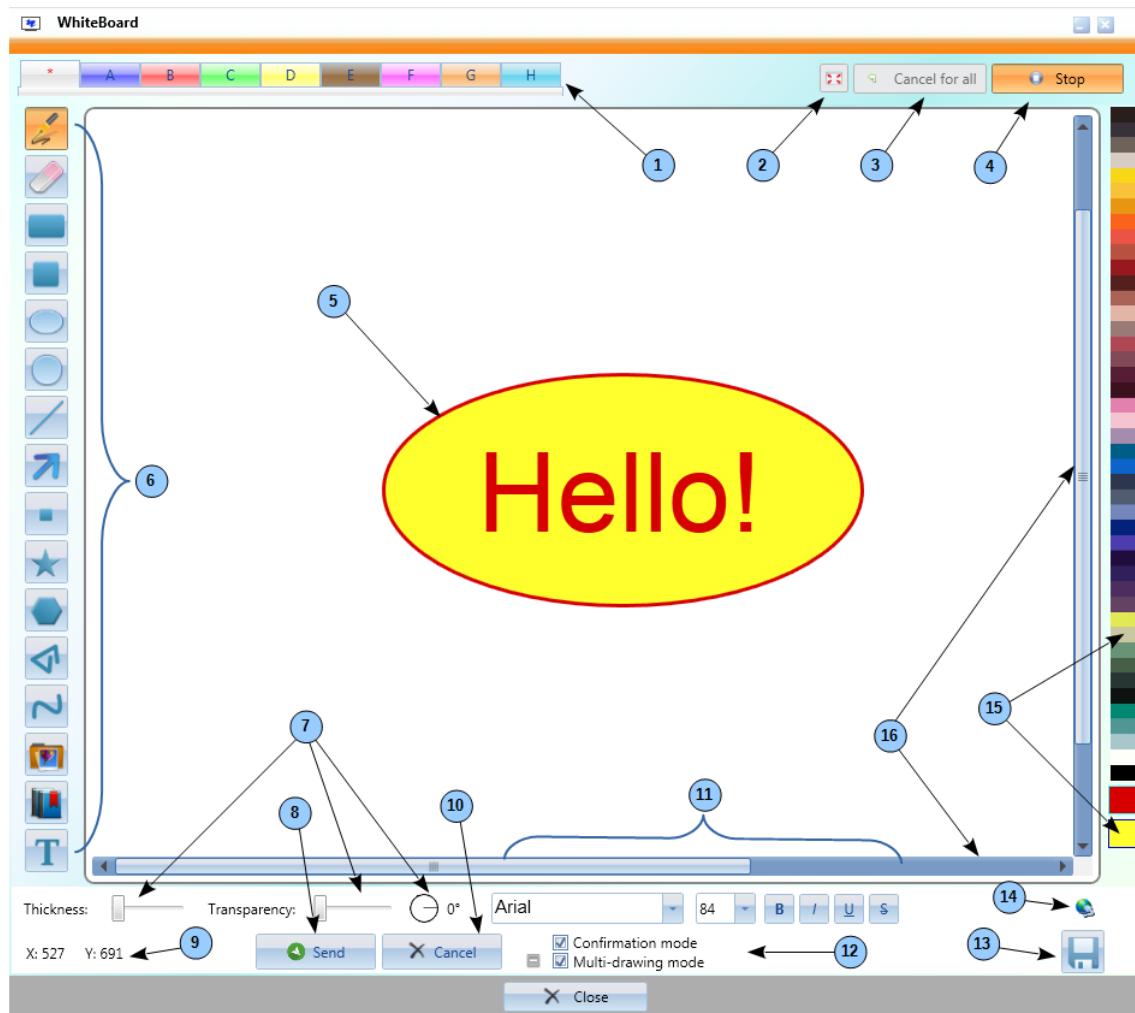


Рис.89 Окно интерактивной доски

На этом рисунке цифрами обозначены:

- 1 Закладки групп.
- 2 Кнопка управления полноэкранным режимом интерактивной доски у учащихся.
- 3 Кнопка **Отмена** для отмены преподавателем последнего присланного каким-либо участником (включая самого преподавателя) изменения в картинке. Отмена применяется к преподавателю и всем подключенным учащимся текущей группы. Отменять можно не только последнее, но и предыдущие действия, последовательно нажимая данную кнопку.
- 4 Кнопка **Старт/Стоп** для запуска или останова сессии интерактивной доски.
- 5 Область рисования, ограниченная скругленным белым прямоугольником.
- 6 Инструменты рисования.
- 7 Настройки инструментов рисования.
- 8 Кнопка отправки в режиме с подтверждением.
- 9 Текущие координаты курсора на области рисования.
- 10 Кнопка отмены неотправленного в режиме с подтверждением.
- 11 Настройки для инструмента **Текст**.
- 12 Настройки режимов работы.
- 13 Кнопка сохранения рисунка.

- 14 Индикатор наличия связи с сервером интерактивной доски и сетевой активности.
- 15 Настройки и индикация цветов линий и заливки.
- 16 Полосы скроллинга (появляются у преподавателя и у учащихся, если настройки размера интдоски превышают стандартное значение).

Для начала сессии интерактивной доски преподаватель должен нажать на кнопку **Старт** (название ее поменяется на **Стоп**), при этом на компьютерах членов группы запустится окно интерактивной доски.



Важное замечание: Обратите внимание, что в группах, где запущена сессия интерактивной доски, имя группы на соответствующей закладке выводится красным цветом.

В активной сессии интерактивной доски преподаватель и учащиеся могут выбирать инструменты рисования и пользоваться ими для рисования на интерактивной доске. При этом результаты рисования будут отображаться у всех участников активной группы и у преподавателя.

Инструменты рисования, перечисленные в порядке сверху вниз:

- Кисть
- Ластик
- Прямоугольник
- Квадрат
- Эллипс
- Круг
- Линия
- Стрелка
- Точка
- Звезда
- Полигон
- Ломаная
- Кривая
- Картинка
- Текст

Интерактивная доска имеет несколько режимов работы: режим **с подтверждением и простой** (без подтверждения) режим. При режиме **с подтверждением** преподаватель или учащийся может нарисовать одно или ряд графических элементов и отправить их остальным участником с помощью кнопки **Отправить**. До момента отправки он легко может изменить рисуемое или вовсе отменить его. При выключенном режиме подтверждения отправка нарисованного на сервер происходит сразу же после того, как закончено рисование элемента. В режиме с подтверждением есть подрежим т.н. **мультирисования**. В режиме **мультирисования** перед отправкой можно нарисовать пакет элементов, если же он выключен, то до отправки можно нарисовать единичный элемент, например, эллипс либо текст либо картинку.

Команды управления интерактивной доской и клавиши быстрого доступа:

№	Сочетание клавиш	Команда
1	<u>Enter</u>	Подтвердить создание объекта типа Текст , Картинка Отменить создание объекта или последнего объекта в режиме мультирисования. В режиме простого рисования следует нажимать до отпускания левой кнопки мыши (кроме режимов Текст , Картинка , Кривая и Ломаная). При этом в режиме мультирисования будет удалено столько неотправленных объектов из пакета, сколько раз была нажата клавиша Escape (но не более количества имеющихся объектов)
2	<u>Escape</u>	
3	<u>Левая кнопка мыши, нажатие</u>	Начало рисования или перемещения объекта (в режимах Текст и Картинка), либо вызов диалога выбора в режиме Картинка , либо добавление очередной базовой точки в режимах Ломаная и Кривая

№	Сочетание клавиш	Команда
4	<u>Левая кнопка мыши, отпускание</u>	Конец рисования или перемещения объекта, кроме режимов Ломаная и Кривая . Отпускание левой кнопки в режиме без подтверждения приводит к немедленной отправке нарисованного всем участникам, за исключением режимов Ломаная , Кривая (для них отправка произойдет при нажатии правой кнопки мыши), Текст и Картинка (для них отправка произойдет при нажатии клавиши Enter)
5	<u>Колесико мыши</u>	Масштабирование объекта, при нажатой клавише Alt - задание количества лучей/ребер в режимах Звезда и Полигон , при нажатой клавише Shift - изменение угла для вращаемых фигур
6	<u>Правая кнопка мыши</u>	Подтверждает окончание создания объектов в режимах Картинка (щелчок следует произвести по создаваемой картинке), Кривая и Ломаная
7	<u>Shift</u>	При совместном использовании с колесиком мыши задает режим вращения
8	<u>Alt</u>	При совместном использовании с колесиком мыши задает режим изменения количества лучей / ребер. В режимах Ломаная и Кривая удержание клавиши Alt до начала создания элемента включает режим его заливки
9	<u>Ctrl</u>	При совместном использовании с колесиком мыши задает режим масштабирования. При совместном использовании со стрелками клавиатуры (Влево , Вправо , Вверх , Вниз) задает режим ускоренного перемещения (с шагом 10 экранных пикселей) фигуры
10	<u>W, S</u>	Поворачивают вращаемую фигуру с шагом в 1 градус против и по часовой стрелке соответственно
11	<u>A, D</u>	Поворачивают вращаемую фигуру с шагом в 10 градусов против и по часовой стрелке соответственно
12	<u>Ctrl + Z</u>	Возвращает обратно удаленные в мульти режиме объекты в порядке, обратном порядку удаления, при их наличии
12	<u>Стрелки клавиатуры</u>	Перемещают последний неотправленный объект в нужную сторону с шагом 1 экранный пиксель

Для большинства объектов до момента их отправки участникам возможно изменять общие (толщина, цвета заливки, положение, прозрачность, угол поворота, масштаб) и специфичные свойства (например, строка текста или файл добавляемой картинки).

Чтобы закончить сессию интерактивной доски, надо нажать на кнопку **Стоп**.

Для закрытия окна интерактивной доски используется кнопка **Закрыть**. При этом будет предложено остановить сессии интерактивной доски для активных групп.



Важное замечание: При нажатии в режиме мультирисования кнопки **Отмена** отменяется сразу весь неотправленный пакет, при этом сочетание **Ctrl+Z** работать не будет.



Информация: Возможна вставка картинки из файла методом **drag'n'drop**, т.е. просто перетаскивая нужный файл мышкой на область рисования интерактивной доски. При этом режим автоматически поменяется на **17 - Картинка** и появится изображение накладываемого файла, которое можно затем передвинуть, повернуть и отмасштабировать либо отменить.



Информация: В режиме мультирисования с подтверждением: когда необходимо создать несколько текстовых объектов подряд, после готовности очередного текста нажимайте клавишу **Enter** для фиксации. В противном случае будет происходить перемещение текста, а не добавление нового. Аналогично, если необходимо добавить несколько картинок подряд, после готовности картинки кликните непосредственно по ней правой кнопкой мыши. В противном случае будет продолжать редактироваться текущая картинка.

См. также:

[Interacting with students](#) на стр.78

4.11.9 Messaging

Use this mode to send text messages to a student, group, or the whole class.

- Select **Message** in the pop-up student menu (see section [Student menu](#) on page 76) to send a message to this particular student.
- Press **Activity** button in a group tab menu (see section [Group tab](#) on page 75) and then select **Message** to send a message to the group.
- Likewise, press **Activity** button in the class tab menu (see section [Class tab](#) on page 74), and then select **Message** to send a message to the whole class.

A message window ([Figure 90:](#) on page 92) will appear on your screen that will note the recipient.

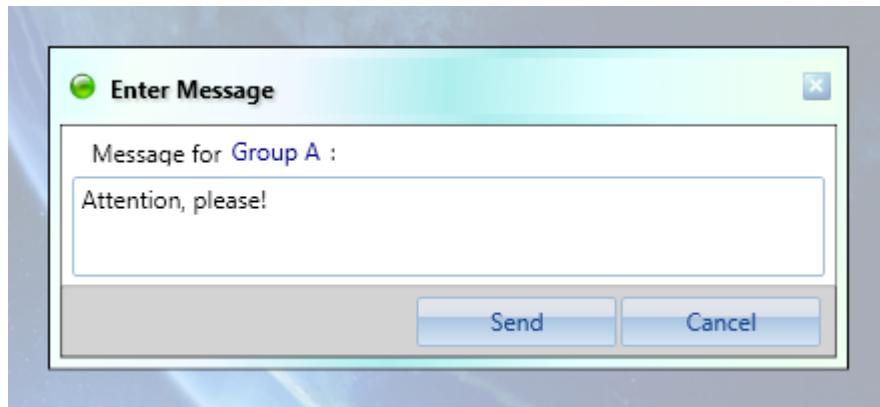


Figure 90: Message window

Enter your message and press **Enter** on your keyboard or the **Send** button to send it.



Tip: Use Ctrl+Enter to start a new line within the message text.

Related Links

[Interacting with students](#) on page 78

4.11.10 Students calling for help

A **Help me!** pop-up message ([Figure 91:](#) on page 92) will appear over a student panel whenever this student presses **Call teacher** button in the student module. The student icon will also change to a green phone receiver.

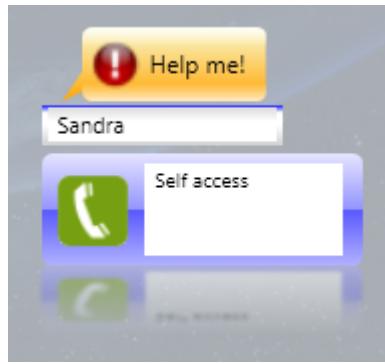


Figure 91: Student calling for help

Click on the student panel to dismiss the message and start a conversation with the student (see section [Conversation](#) on page 79).

Double click on the pop-up message to open a messaging window ([Figure 90:](#) on page 92) addressed to the student where you can inquire about the nature of the problem.

Related Links

[Interacting with students](#) on page 78

4.11.11 Messages from students

Whenever a student sends a message to the teacher, this message will be displayed in a pop-up bubble over this student's panel ([Figure 92:](#) on page 93).

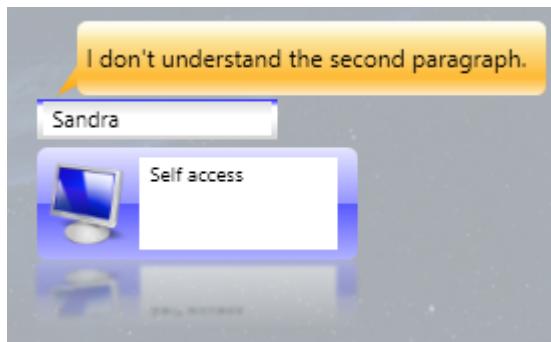


Figure 92: Message from student

Double click on the pop-up message to open a window where you can answer the message ([Figure 93:](#) on page 93).

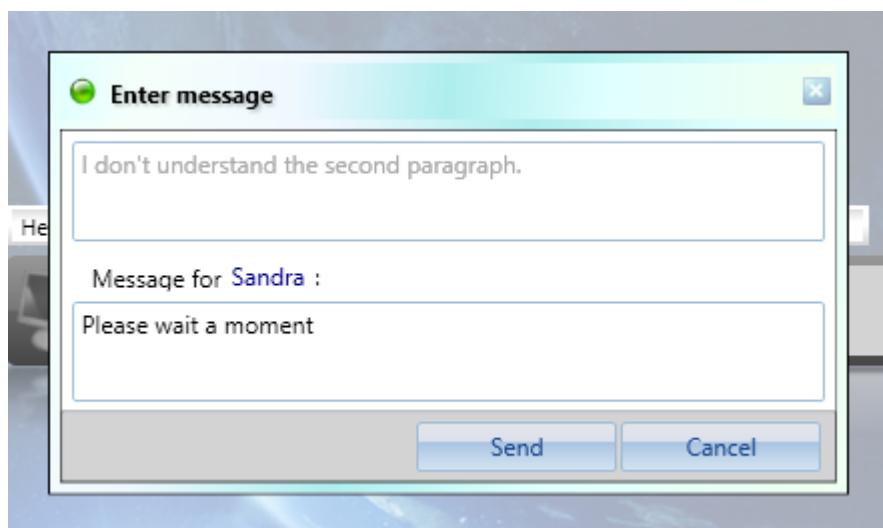


Figure 93: Answering student message

Top panel contains message from the student. Below is the text field where you can answer the message.
Press **Send** to send the message.

Related Links

[Interacting with students](#) on page 78

4.11.12 Homework assignments



Important: A homework assignment in **Dialog Nibelung** is a set of files together with their descriptions for the students to work with outside the classroom.

Using this mode the teacher can assemble, distribute, and collect homework assignments for the whole class, selected group(s) and individual students.

Select **Homework** from the class or group menu to open the **Homework assignments** window ([Figure 94: on page 94](#)), which contains list of assignments and tools to distribute and collect them.

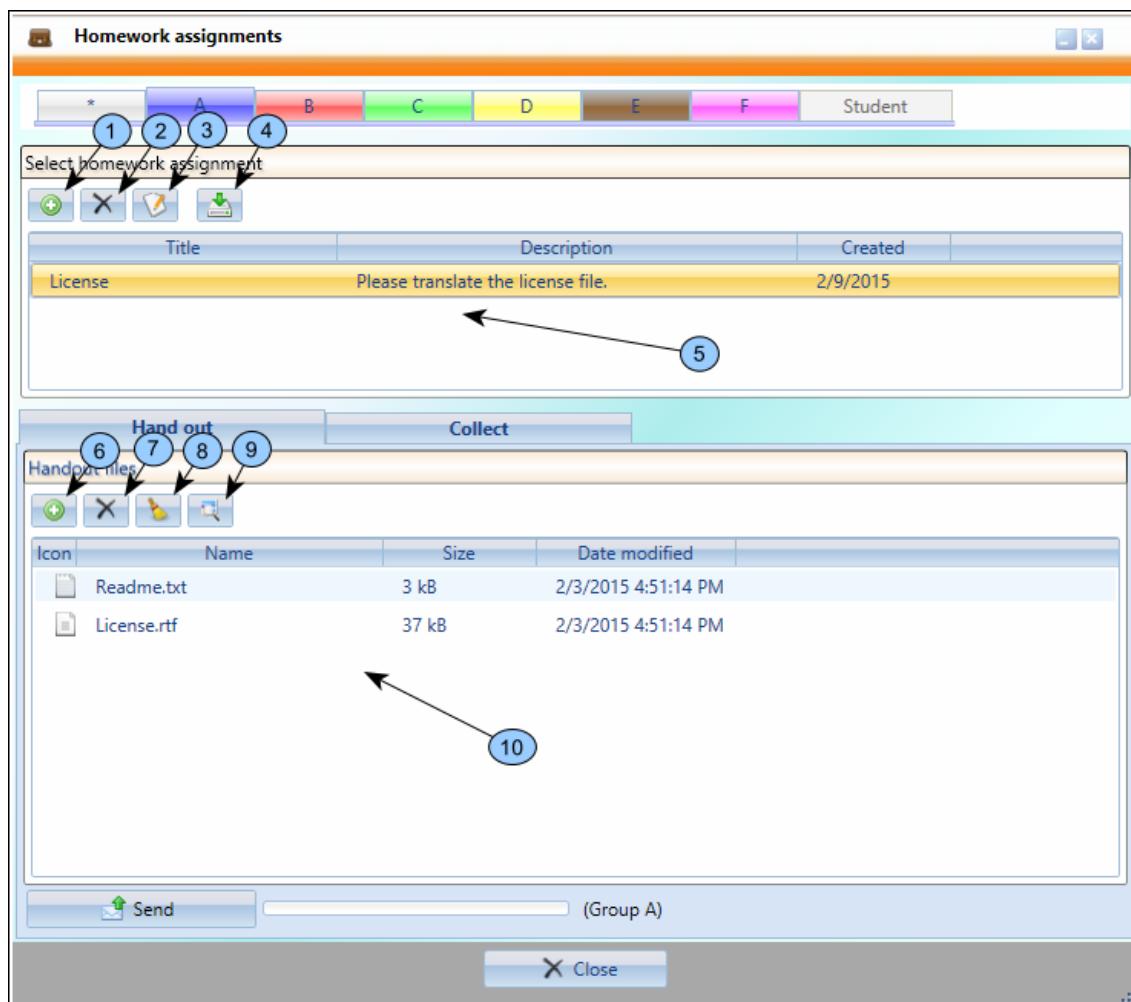


Figure 94: Homework assignments window in the teacher module

Elements of the **Homework assignments** window:

-
- 1 **Add assignment** button
 - 2 **Delete assignment** button
 - 3 **Edit assignment** button
 - 4 **Collect files without an assignment** button
 - 5 List of assignments
 - 6 **Add file** button
 - 7 **Delete file** button
 - 8 **Delete all files** button
 - 9 **View file** button
 - 10 List of assignment files
-

Select a tab at the top of the window to switch between lists of assignments for the whole class, particular groups, and individual students.



Important: Whenever the **Student** tab is selected, this window will contain assignments for this student only ([Figure 99: on page 99](#)).

List of assignments together with buttons for adding, removing and editing assignments is immediately below the tabs lineup.

Press **Add assignment** or **Edit assignment** button to open a window where you can enter or edit assignment title and description ([Figure 95: on page 95](#)).

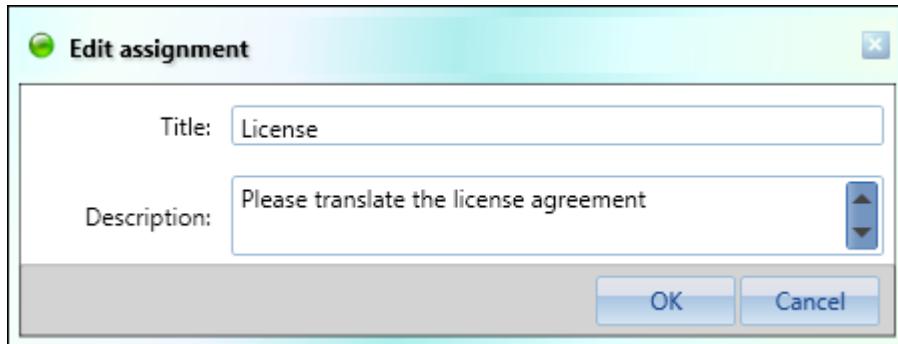


Figure 95: Add assignment window

Collect files without an assignment button allows you to collect files that students may have prepared without a particular assignment. It actually creates a dummy assignment that facilitates collection of unattached files.

The lower portion of the window contains a panel that accommodates either list of assignment files or list of students who received this assignment depending on whether **Hand out** or **Collect** tab is selected.

In the **Hand out** mode this panel becomes the **Handout files** panel that contains list of assignment files for distribution to the students.

Add file, **Delete file**, **Delete all files**, and **View file** buttons for assembling handout files into an assignment are immediately above the file list.

After assembling the assignment you can press the **Send** button to send it to the students. Assignment transfer progress bar is to the right of the **Send** button.

A soon as all assignment files have been received by a student module, an **Assignment handout** window ([Figure 96: on page 96](#)) will appear on the student's screen. This window displays received assignment(s) and files associated with them.

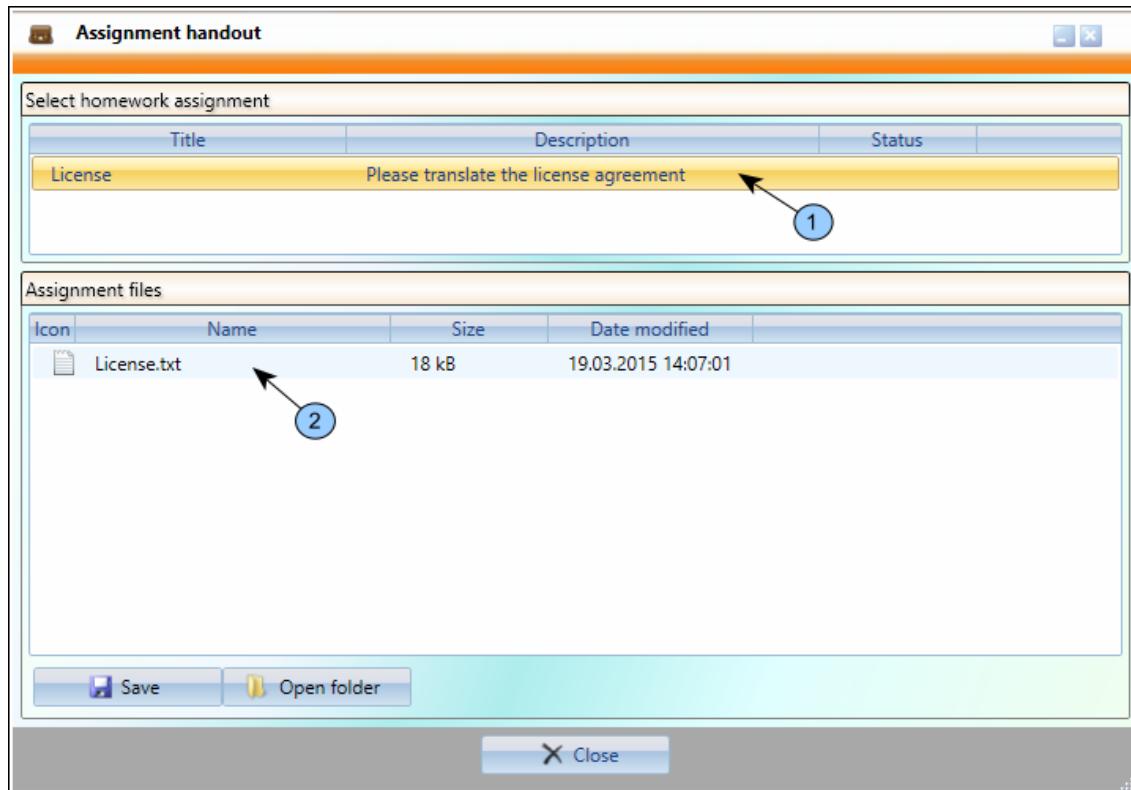


Figure 96: **Assignment handout** window on the student screen

Elements of the **Assignment handout** window:

-
- 1 List of assignments
 - 2 List of files for selected assignment
-

Students can use **Open folder** button to open the assignment folder in a file manager or **Save** button to save assignment files elsewhere.

The teacher should select **Collect** tab in the **Homework assignments** window ([Figure 97: on page 97](#)) to initiate collecting assignments that are due. Upon selection of **Collect** tab, the panel will display a list of students who have received this assignment.

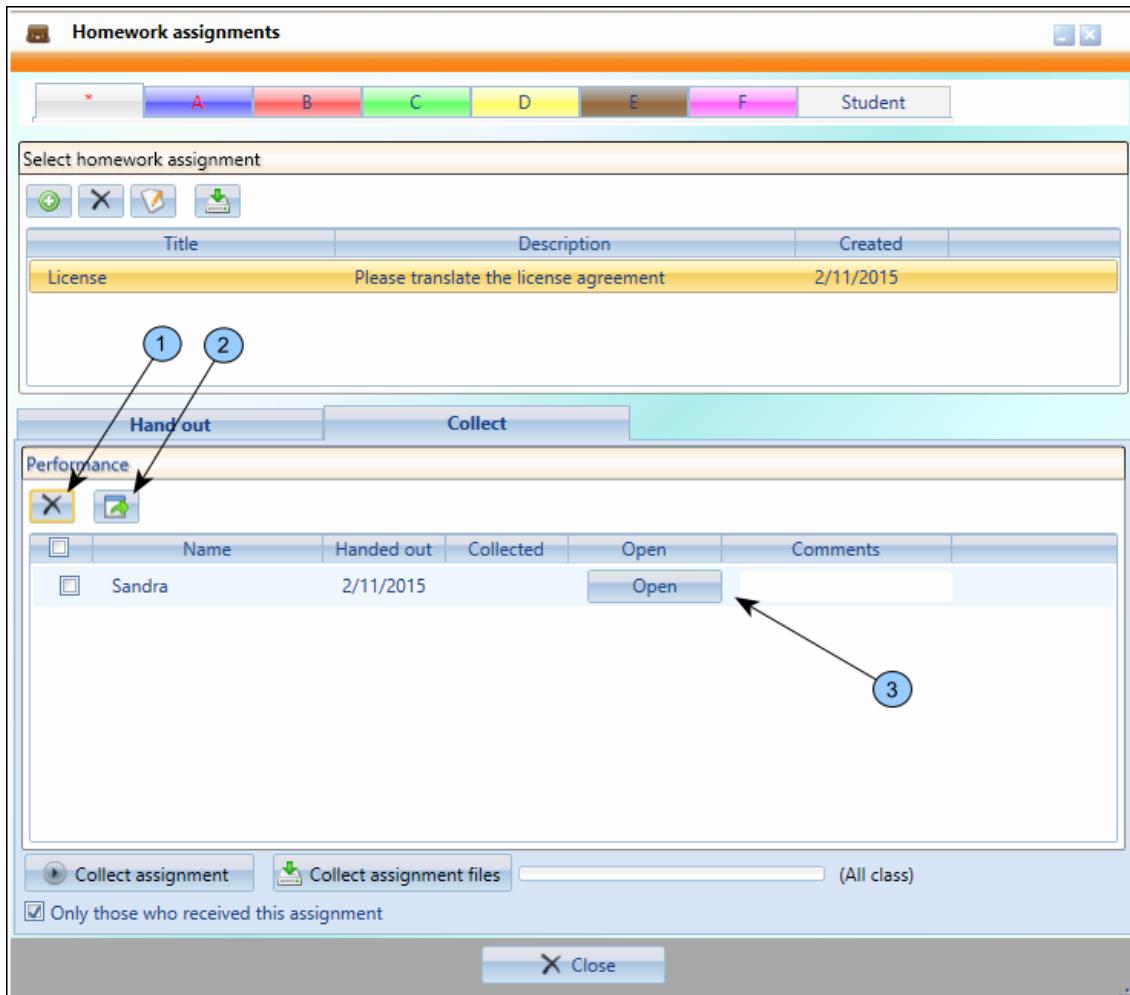


Figure 97: **Homework assignments** window during collection

Elements of [Figure 97: on page 97](#) window:

-
- 1 **Delete assignment files** button
 - 2 **Export assignment files** button
 - 3 Student list
-

Student list displays student name, handout date, and received back date.

Press **Collect assignments** button to collect the assignments. An **Assignment return** window ([Figure 98: on page 98](#)) will be displayed on the screens of selected students. If the **Only those who received this assignment** check box was selected, then only these students will be prompted to return it. The usual selection criteria - all students in the class, selected group, or selected students - apply otherwise.



Tip: Check selection box in the list header to select all students in the list.

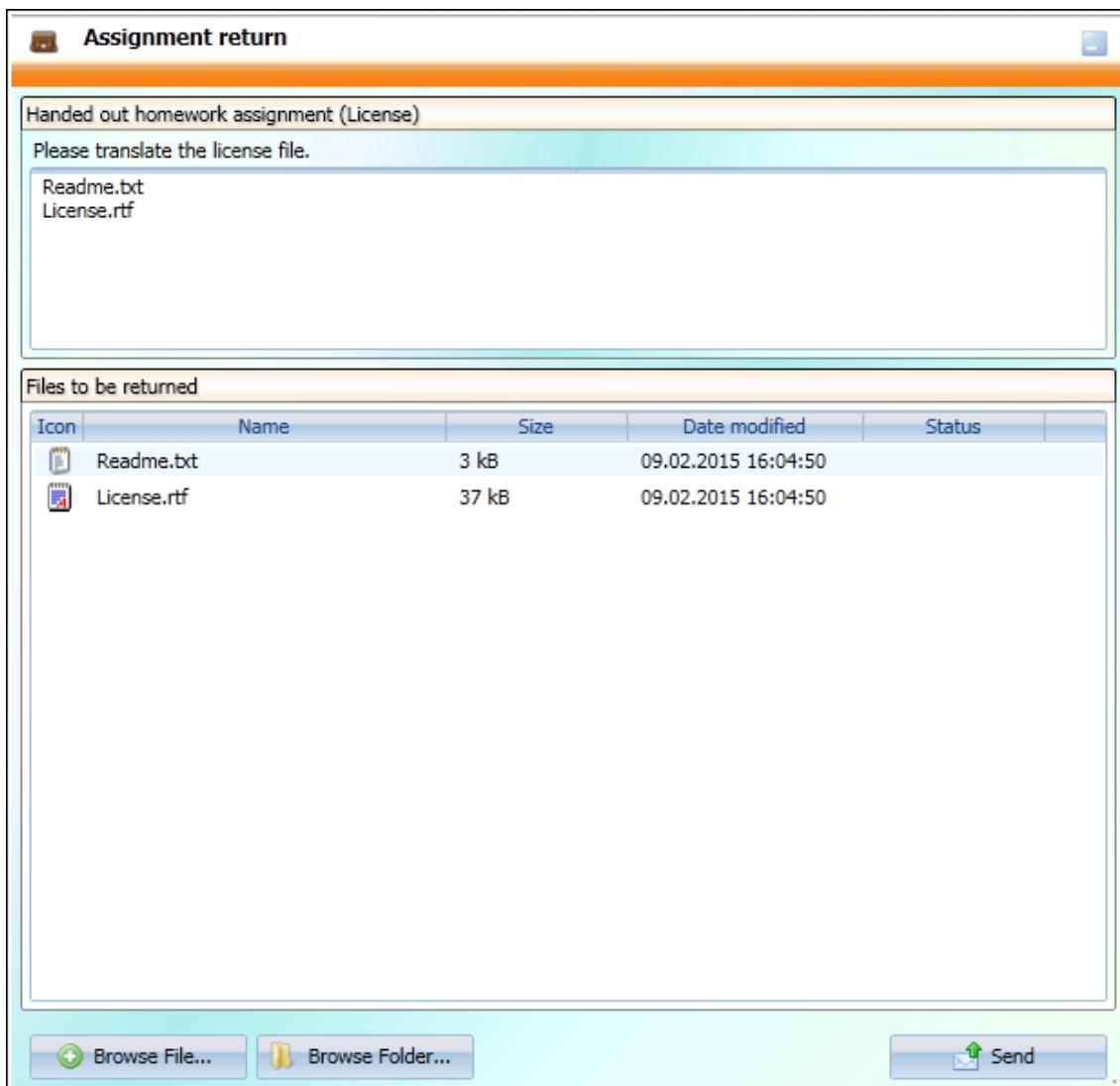


Figure 98: Assignment return window

List of files that students received with the assignment is at the top of this window.

Bottom part of the window contains list of files to be returned. Students can add files to this list by dragging and dropping files to the panel or using **Browse files** button.

After the list of files to be returned has been assembled, students should press **Send** button to return assignment to the teacher.

Assignment collection process can be tracked using progress bar to the right of the **Collect** button on the teacher's screen ([Figure 97: on page 97](#)).

You can view received assignments by pressing **Open** button in the student list. You can also add comments to the assignment by clicking on the **Comments** field.

Use **Delete assignment files** and **Export assignment files** on top of the student list to remove assignment files for selected students or to export files to a specified folder.

If the **Student** tab is selected in the **Homework assignments** window, then a drop down list of students will appear to the right of the tab ([Figure 99: on page 99](#)).

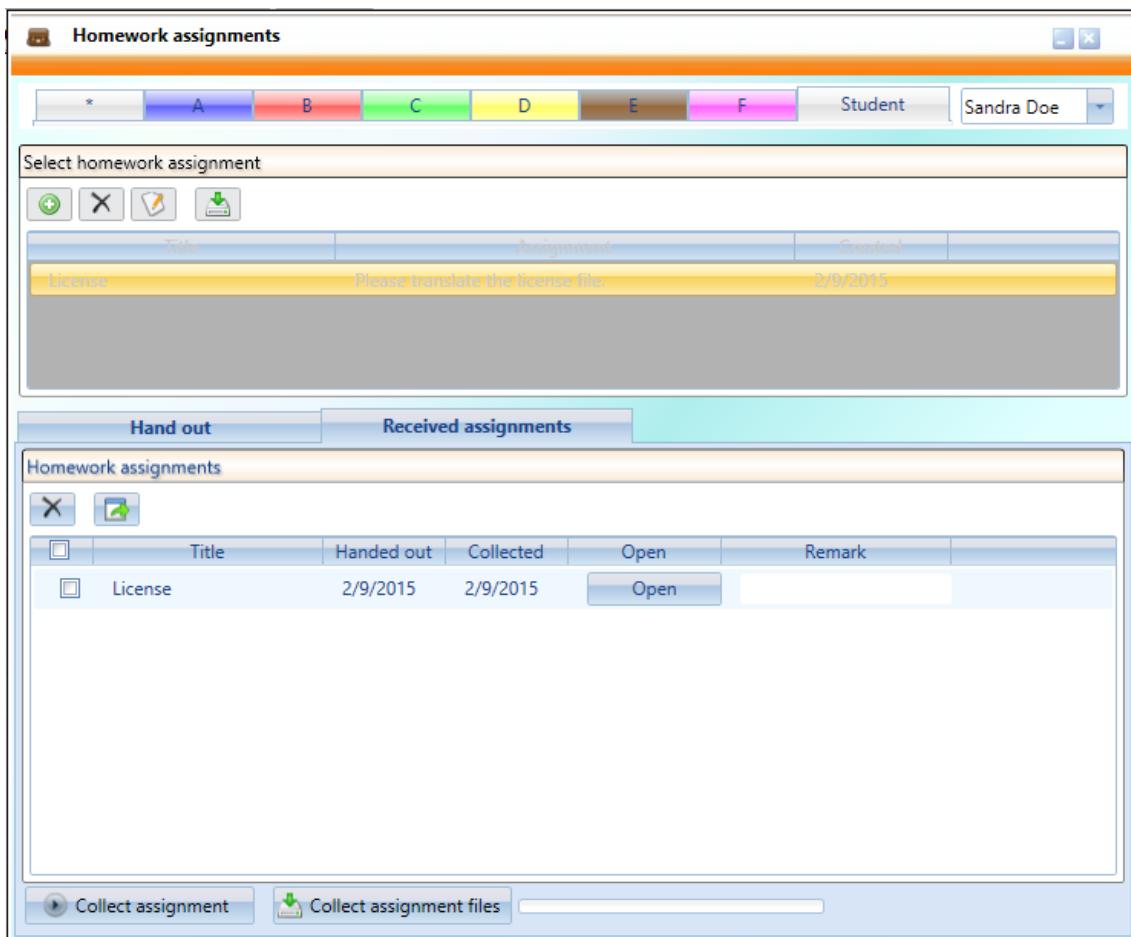


Figure 99: **Homework assignments** window with the **Student** tab selected



Important: Whenever the **Homework assignments** window was accessed through the pop-up student menu (see section [Student menu](#) on page 76), corresponding student will be selected automatically.

You can hand out assignment(s) to the student by selecting **Hand out** tab and following instruction above. All the actions will be applicable only to the selected student.

Whenever **Received assignments** tab is selected, assignment list in top panel becomes inactive and the bottom panel will contain list of assignments handed out to the student. You can select assignments in this list and collect them from the student by pressing **Collect assignments** button.



Tip: Right click on the assignment selection field in the list header to select all assignments.

Collect files and **Open** buttons work just like for multiple students (described above in this section).

Related Links

[Interacting with students](#) on page 78

4.12 Remote control of student workstations

Dialog Nibelung allows you to remotely control student workstations in the class from the teacher module.

Related Links

[Teacher module](#) on page 51

[Screen thumbnails](#) on page 100

[Video monitoring](#) on page 101
[Autoscan](#) on page 101
[Lock input](#) on page 102
[Lock computer](#) on page 103
[Mute microphone](#) on page 103
[Disable removable storage](#) on page 103
[Internet access control](#) on page 103
[Web access control](#) on page 104
[Raising the student module window](#) on page 106
[Power control](#) on page 106
[Launch control](#) on page 107
[Terminating remote processes](#) on page 108

4.12.1 Screen thumbnails

Screen thumbnails mode allows you to monitor screen thumbnails of the whole class, group, or selected students. Screen thumbnails are displayed in the student panel ([Figure 100:](#) on page 100) and will be updated every few seconds.



Figure 100: Student panel with screen thumbnail

Select **Screen thumbnail** from the student menu (see section [Student menu](#) on page 76) to view thumbnail for a particular student.

Press **Remote control** button in the group tab menu (see [Group tab](#) on page 75) and select **Screen thumbnail** to view thumbnails for this group.

Press **Remote control** button in the class tab menu (see [Class tab](#) on page 74) and select **Screen thumbnail** to view thumbnails for the whole class.



Tip: Double click on the student panel displaying a screen thumbnail to open a remote control window for this student's workstation ([Figure 111:](#) on page 111).

Repeat actions described above to disable display of screen thumbnails.

Related Links

[Remote control of student workstations](#) on page 99

4.12.2 Video monitoring

Video monitoring mode allows the teacher to monitor web cam feeds from the student workstations. Web cam feeds will be displayed in the student panels ([Figure 101: on page 101](#)).



Figure 101: Student panel displaying web cam feed

Select **Web cam** from the student menu (see [Student menu](#) on page 76) to monitor video feed for this particular student.

Press **Remote control** button in the group tab menu (see [Group tab](#) on page 75) and select **Remote control** to monitor video feeds for selected group.

Press **Remote control** button in the class tab menu (see [Class tab](#) on page 74) and select **Web cam** to monitor video feeds.

Double click on a student panel displaying a video feed to open this feed in a larger window.

Repeat the actions described above to turn off video feed display.

Related Links

[Remote control of student workstations](#) on page 99

4.12.3 Autoscan

This mode can help the teacher to monitor the screenshots of several students and simultaneously listen to them. Press **Remote control** button in the class tab menu ([Figure 74: on page 74](#)) and select **Autoscan** to activate autoscan mode for the whole class. Press **Remote control** button in the group tab menu ([Figure 75: on page 75](#)) and select **Autoscan** to activate autoscan mode for a group of students.

A slide show of screenshots will appear in the **Remote desktop** window ([Figure 102: on page 102](#)). Student names will be displayed in the window title bar.

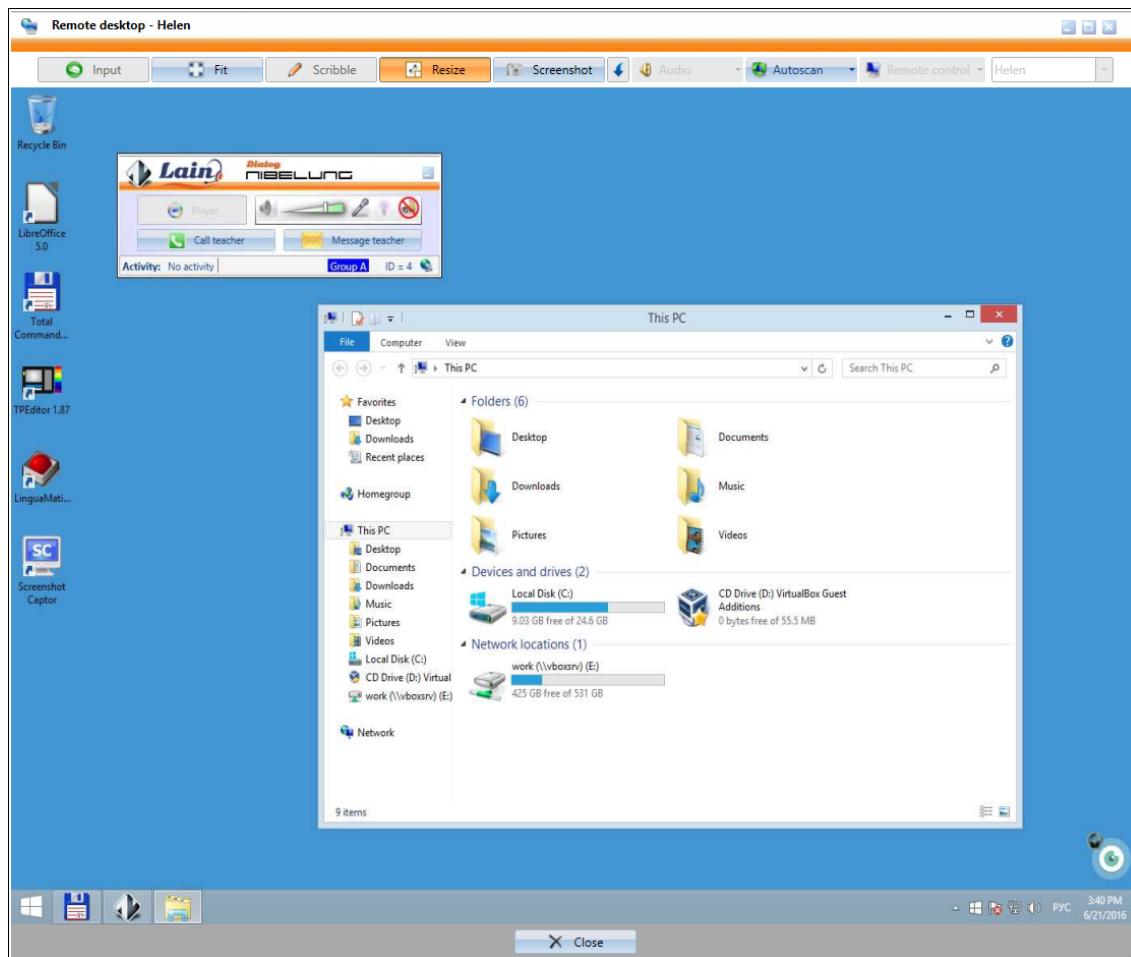


Figure 102: **Remote desktop** window in autoscan mode displaying screenshot from a student workstation

Delay between the screenshots can be adjusted by pressing **Autoscan** button and selecting **Set delay**. Select delay in seconds from the menu:

- 2
- 3
- 5
- 7
- 10
- 15
- 20
- 30
- Custom

Press the **Autoscan** button and uncheck corresponding menu item to deactivate the autoscan mode.

You can turn off simultaneous audio monitoring by unchecking **Audio/Listen**.

Double click on a screenshot to stop autoscan and instantly enter remote control mode for the currently displayed student workstation ([Figure 111: on page 111](#)).

Related Links

[Remote control of student workstations](#) on page 99

4.12.4 Lock input

Lock input mode allows the teacher to block keyboard and mouse input for individual student workstations, group of workstations, or the whole class.

Select **Lock input** from the student menu (see [Student menu](#) on page 76) to lock input for the selected student.

Press **Remote control** in the group tab menu (see [Group tab](#) on page 75) and select **Lock input** to lock input for workstations in the group.

Press **Remote control** button in the class tab menu (see [Class tab](#) on page 74) and select **Lock input** to lock input for all workstations in the class.

Repeat actions described above to release the lock.

Related Links

[Remote control of student workstations](#) on page 99

4.12.5 Lock computer

This mode allows the teacher to black out and lock the screen, as well as block keyboard and mouse input for computers of an individual student, group, or the whole class. Upon initiation of this mode you will be given a chance to specify a message displayed on the locked screens ([Figure 103:](#) on page 103).

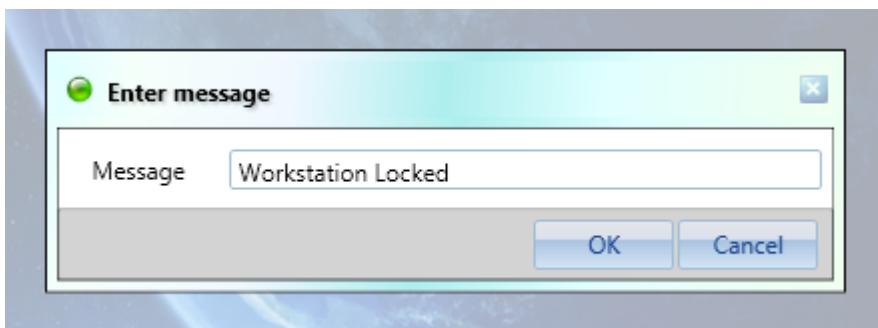


Figure 103: Specifying a message to be displayed on locked out screens

Select **Lock computer** from the student menu (see [Student menu](#) on page 76) to lock a single computer.

Press **Remote control** button in the group tab menu (see [Group tab](#) on page 75) and select **Lock computer** to lock computers of a group of students.

Press **Remote control** in the class tab menu (see [Class tab](#) on page 74) and select **Lock computer** to lock all computers in the class.

Repeat the actions described above to release the lock.

Related Links

[Remote control of student workstations](#) on page 99

4.12.6 Mute microphone

In this mode the teacher can mute microphones of an individual student, group, or the whole class. The students will not be able to override this action.

Related Links

[Remote control of student workstations](#) on page 99

4.12.7 Disable removable storage

In this mode the teacher can disable removable storage devices (CD/DVD drives, USB thumb drives, memory card readers, etc). The mode can be activated for individual students, group(s), or the whole class.

Related Links

[Remote control of student workstations](#) on page 99

4.12.8 Internet access control

The teacher can control how students access the Internet by disabling access to certain ports, and therefore certain services. You can specify a semicolon separated list of port numbers in the **Internet access control**

window ([Figure 104: on page 104](#)). Access to these ports from affected student workstations will be disabled.

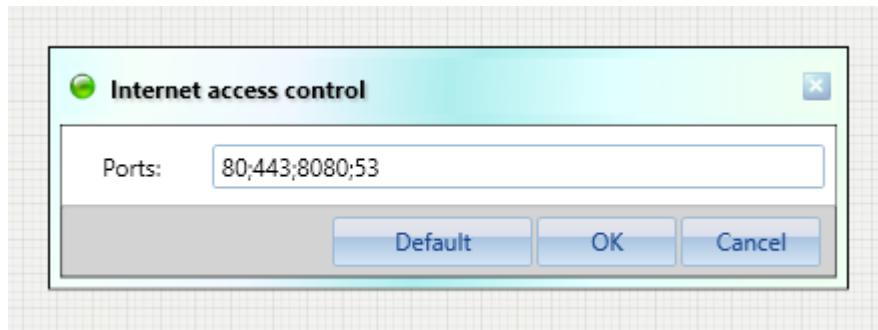


Figure 104: **Internet access control** window



Important: Below is a table with examples of Internet services commonly abused in the classroom and their port numbers. This list is by no means exhaustive and is provided only as a starting point.

Port number	Internet Service
80,443,8080	WWW
53	DNS (domain addresses resolution)
25,465,587,110,143,993,995	Send and receive email
5190	ICQ instant messaging
21	FTP
194	IRC (chat rooms)

Select **Internet access** from the student menu (see [Student menu](#) on page 76) to set up Internet access control for a single student.

Press **Remote control** button in the group tab menu (see [Group tab](#) on page 75) and select **Internet access** to set up Internet access control for the group.

Press **Remote control** button in the class tab menu (see [Class tab](#) on page 74) and select **Internet access** to set up Internet access control for the whole class.

Uncheck **Internet access** from the student menu (see [Student menu](#) on page 76) to disable Internet access control.

Related Links

[Remote control of student workstations](#) on page 99

4.12.9 Web access control

In addition to the Internet access control on the service level (see [Internet access control](#) on page 103), **Dialog Nibelung** allows you to apply fine grained web access control on the individual sites and web pages level. This option, however, is not available for the individual students, only for the whole class or groups.

Upon activation of the web access control from the class or group tabs menu you will be presented with a window where you can view and edit separate allow and deny access control lists for the class and individual groups ([Figure 105: on page 105](#)).

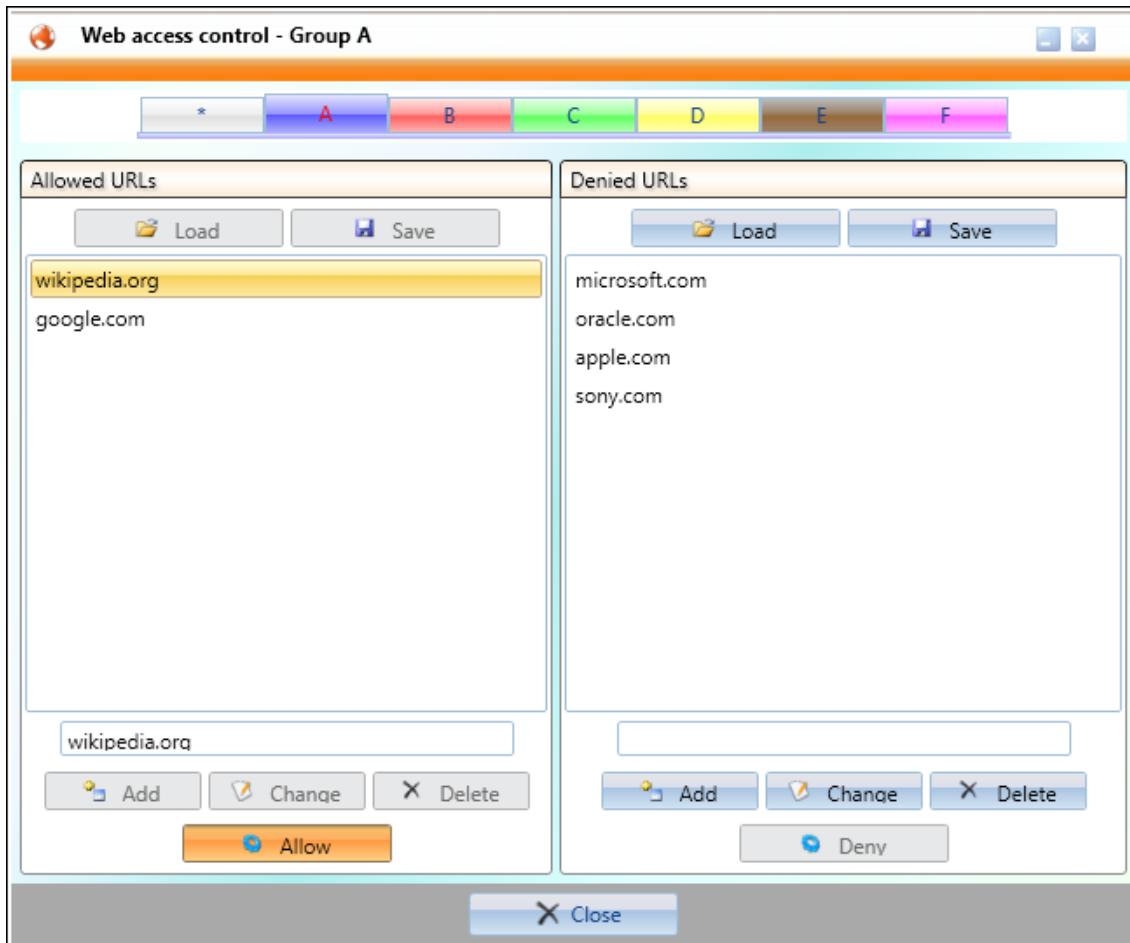


Figure 105: **Web access control** window

List of allowed URLs is on the left panel, while list of denied URLs is on the right.

You can save and restore the access control lists by using **Open** and **Save** buttons.

Use **Add**, **Change** and **Delete** buttons to respectively add, edit, and remove elements to/from the lists. The entry/edit field is immediately above these buttons.

Whenever the **Allow** button is activated, web access will be blocked to all sites and pages except those listed in the **Allowed URLs** list.



Important: Please note that a page or site will be allowed if any part of its address matches any of the allowed strings. For example, if dialog.su/production is allowed but not dialog.su, then access to dialog.su/about will be denied, while access to dialog.su/production/manuals will be allowed.

Whenever the **Deny** button is activated, web access will be allowed to all sites and pages except those listed in the **Denied URLs** list.



Important: Please note that a page or site will be denied if any part of its address matches any of the denied strings. E.g. if example.com is in the list of denied URLs, then all pages that have example.com in their addresses (such as mobile.example.com, example.com/news, etc.) will be denied.



Important: The **Allow** and **Deny** modes are mutually exclusive, i.e. activating one button will disable the other.

Whenever the web access control mode is activated, the teacher will also be able to monitor students internet access. If a student tries to access, for example, example.org/news, then site name example.org will be

displayed in his or her student panel. If a student is trying to access a denied page, the site name will be displayed in red ([Figure 106](#): on page 106).

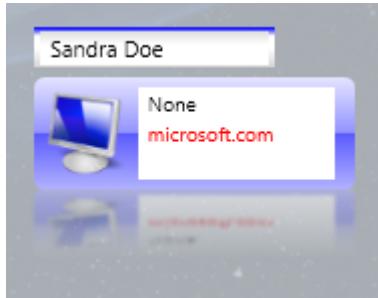


Figure 106: Monitoring student Internet access

Deactivate both **Allow** and **Deny** buttons to turn web access control off.

Related Links

[Remote control of student workstations](#) on page 99

4.12.10 Raising the student module window



Important: By default the student module window will be minimized into the system tray after the launch.

This mode allows the teacher to remotely restore student module window from the system tray and raise it on top of all other windows on the desktop. This action can be performed for the whole class, a group, or for the individual student workstations.

Select **Raise** from the student menu (see [Student menu](#) on page 76) to raise the window on a particular workstation.

Press **Remote control** button in the group tab menu (see [Group tab](#) on page 75) and select **Raise** to raise student module windows on all workstations in the group.

Press **Remote control** button in the class tab menu (see [Class tab](#) on page 74) and select **Raise** to raise student module windows on all workstations in the class.

Related Links

[Remote control of student workstations](#) on page 99

4.12.11 Power control

The teacher can perform shutdown, power on, logout and reboot actions on student workstations for an individual workstation, group of workstations or the whole class.

A total of five actions are available:

- **Logout;**
- **Shutdown;**
- **Reboot;**
- **Standby;**
- **Power on.**



Important: Student workstation network interface has to be set up in a certain way (see [Network interface setup on Windows Vista and windows 7](#) on page 36) for the remote **Power on** to function properly.

Select **Power control** from the student menu (see [Student menu](#) on page 76) and then select appropriate item from the sub-menu to perform power control actions on a single workstation.

Press **Remote control** button in the group tab menu (see [Group tab](#) on page 75), select **Power control** and then select appropriate item from the sub-menu to perform power control actions on a group of workstations.



Tip: Please note that **Power on** action is not available for a group because a powered off computer can not be a member of any group.

Press **Remote control** button in the class tab menu (see [Class tab](#) on page 74), select **Power control** and then select appropriate item from the sub-menu to perform power control actions on all workstations.

Related Links

[Remote control of student workstations](#) on page 99

4.12.12 Launch control

The teacher can control which applications students will be allowed to launch on their workstations. This mode is available only for the whole class or a group of workstations.

Upon activation of **Launch control** from the menu you will be presented with a window where you can switch class and group tabs and two application lists for each tab: allow list and deny list ([Figure 107:](#) on page 107).

You can use **Open** and **Save** buttons to save and reuse the application control lists.

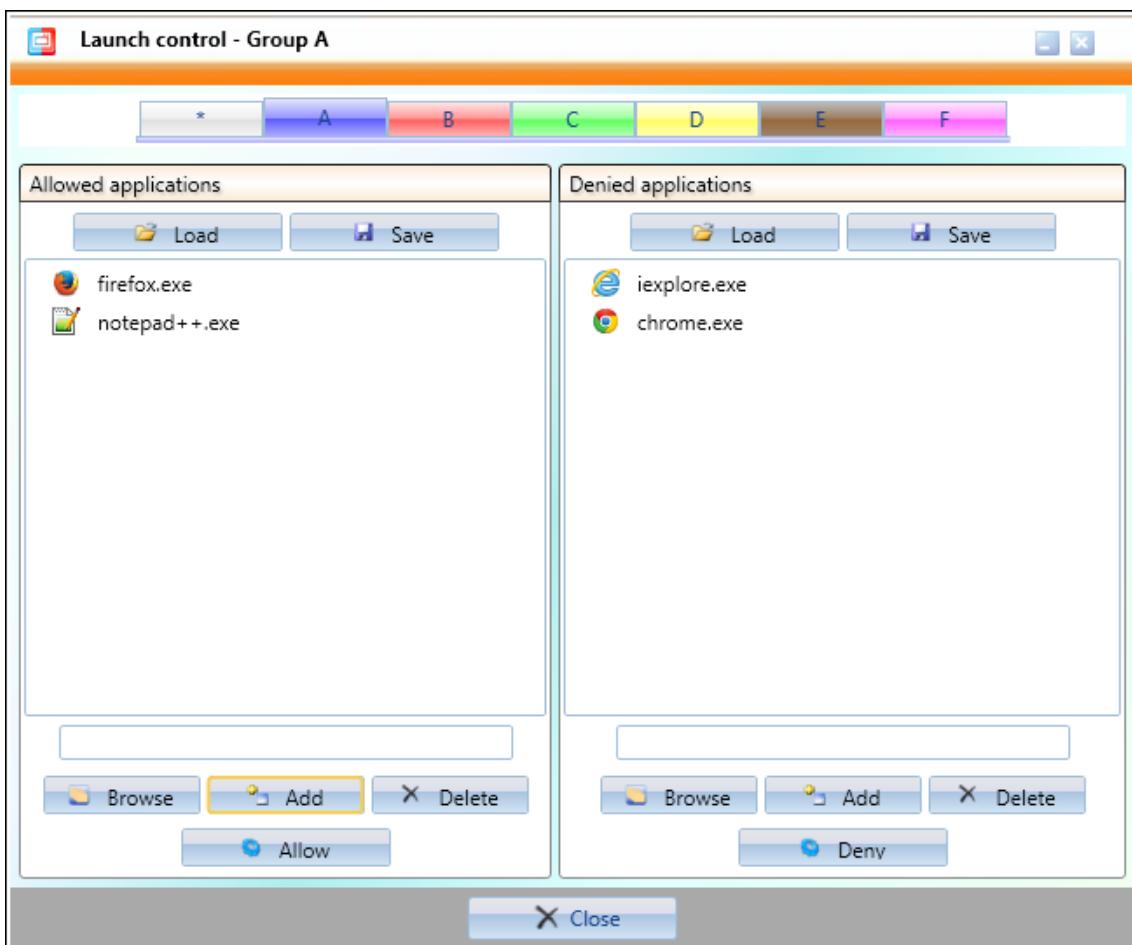


Figure 107: **Launch control** window

You can use the **Browse**, **Add** and **Delete** buttons to add and remove items to the application lists.

Use the **Browse** button to locate applications and fill in the text field immediately above the buttons. You can also enter the application executable file name into this field manually.

Use the **Add** to add application from the text field to the list.

Use the **Delete** button to remove items from the list.

Whenever **Allow** button is activated, the students will be able to launch on their workstations only those applications that are specified in the **Allowed applications** list.



Important: Activating **Allow** mode will not close any already running applications.

Whenever **Deny** button is activated, the students will not be able to launch on their workstations any application specified in the **Denied applications** list.



Important: Activating **Deny** mode will force any running application that is in the **Denied applications** list to close.

Related Links

[Remote control of student workstations](#) on page 99

4.12.13 Terminating remote processes

This mode allows the teacher to remotely terminate applications and processes running on individual workstations, groups of workstations, or for the whole class. Enter the name of a running process or application (without the extension) in the **Terminate remote process** window ([Figure 108:](#) on page 108). You can also terminate several remote processes at once by specifying several names separated by semicolons.

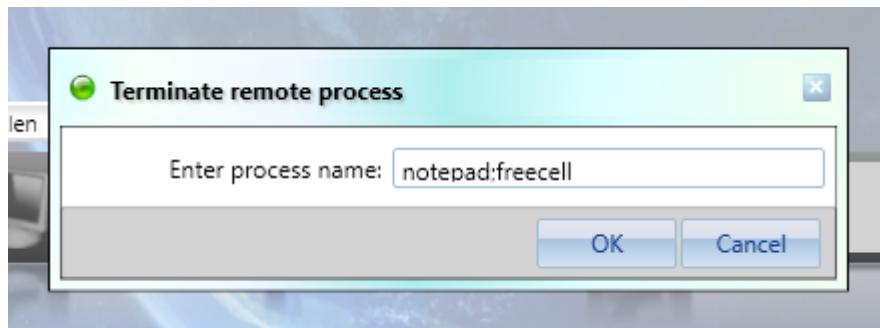


Figure 108: **Terminate remote process** window

Select **Terminate remote process** from the student menu (see [Student menu](#) on page 76) to terminate processes running on an individual workstation. A window with a list of processes running on that workstation will appear on your screen ([Figure 109:](#) on page 109). An active application or process will be displayed in color.



Tip: An application in this context is a process that has one or more windows displayed on the screen.
A process in general can run in the background and display nothing on the screen.

Select **Applications** tab to see the list of running applications. Select one or more applications from the list (use **Ctrl**+click to select multiple items) and press the **OK** button to terminate them.

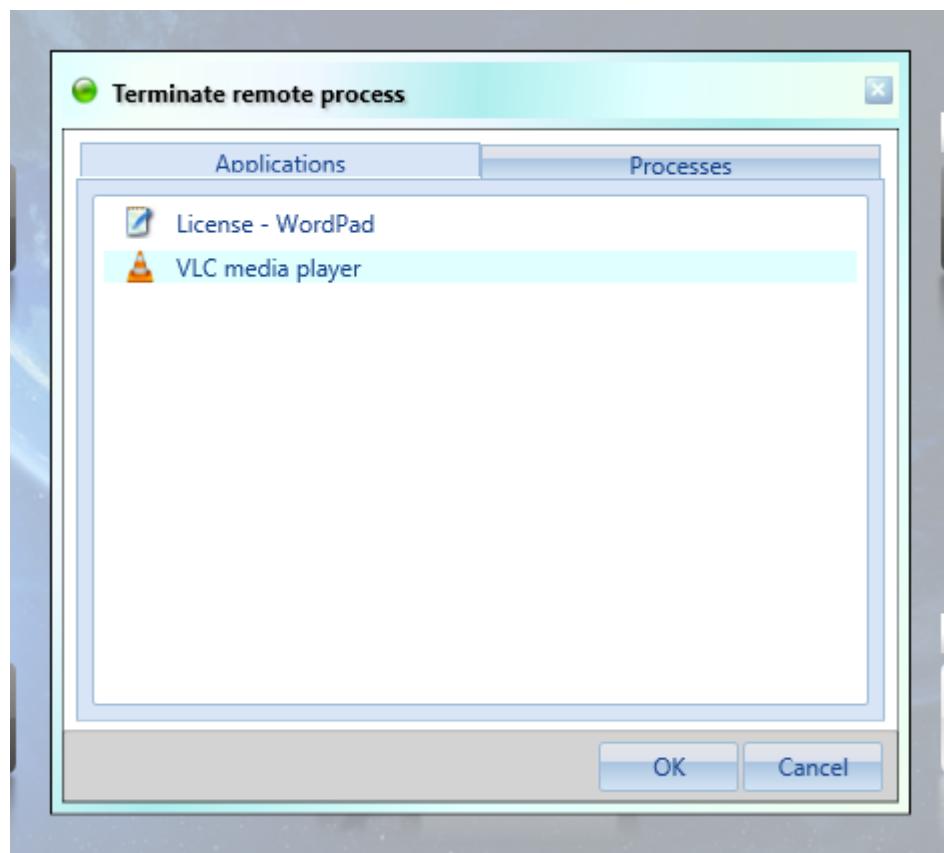


Figure 109: **Terminate remote process** window with the **Applications** tab selected

Select **Processes** to see the list of running processes. Select one or more processes from the list (use **Ctrl+click** to select multiple items) and press the **OK** button to terminate them .

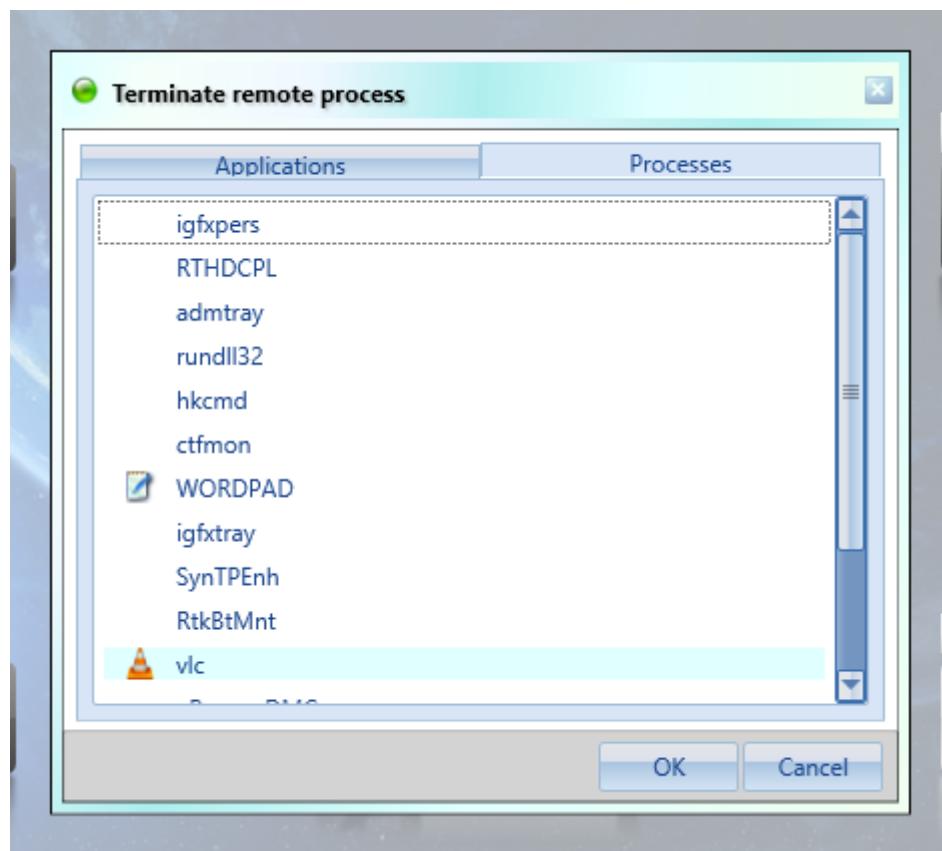


Figure 110: **Terminate remote process** window with the **Processes** tab selected

Related Links

[Remote control of student workstations](#) on page 99

4.13 Remote desktop window

A dedicated **Remote Desktop** window is also available for monitoring and control of individual workstations. This window presents at a glance both the remote screen and different remote control actions that are available for selected workstation.

Select **Remote desktop** in the student pop-up menu (see [Student menu](#) on page 76) to call up the **Remote Desktop** window ([Figure 111:](#) on page 111) on your screen. This window contains a visual

representation of the remote desktop together with local user interface elements for monitoring and remote control of the student workstation.

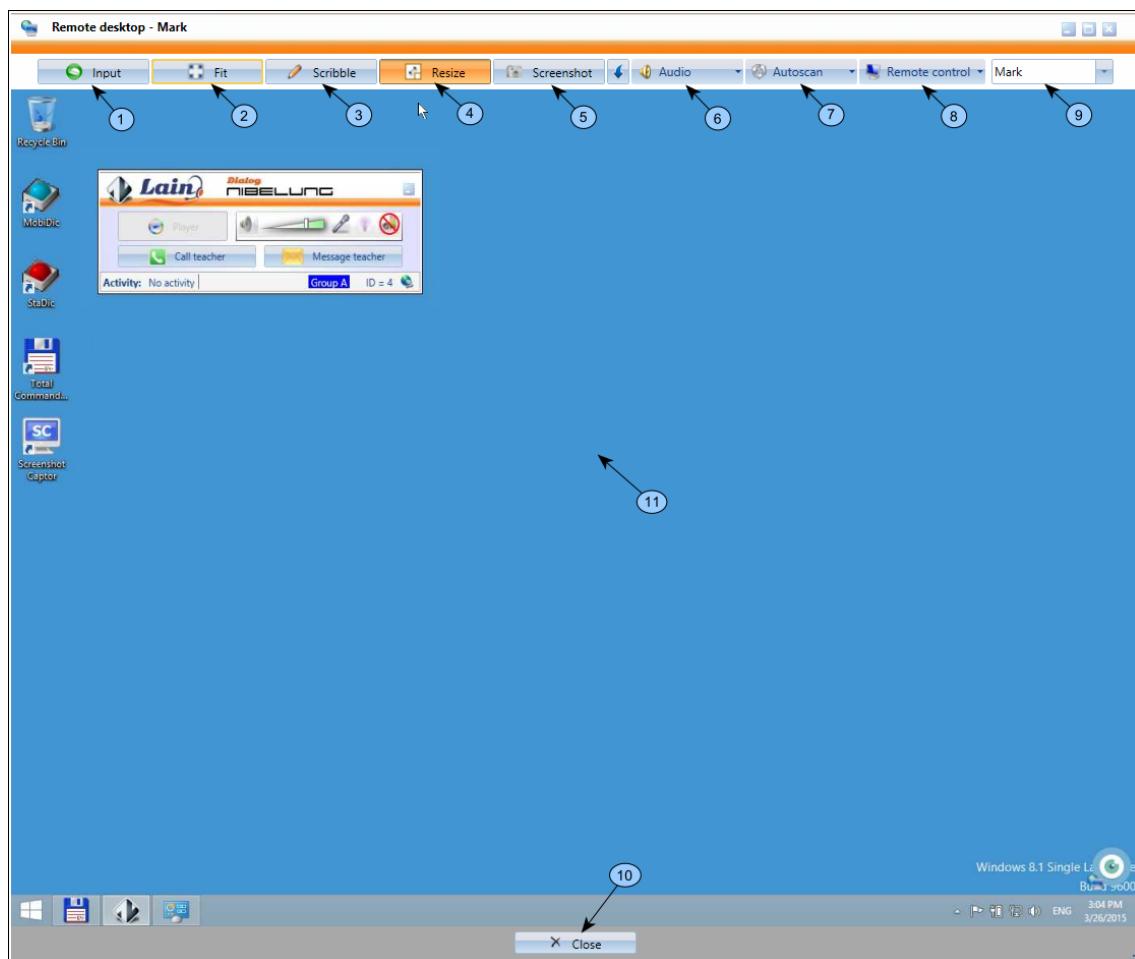


Figure 111: **Remote desktop** window

Elements of the **Remote desktop** window:

- 1 **Input** - take control of student's keyboard and mouse;
- 2 **Fit** - resize the window to fit remote screen;
- 3 **Scribble** - scribble notes on the screen (see section [Live screen](#) [Live screen](#) on page 121 for further details);
- 4 **Resize** - resize remote screen to fit the window;
- 5 **Screenshot** - take a screenshot of the remote desktop and save a local copy;
- 6 **Audio** - audio control sub-menu:
 - [Listen](#) (see [Listen](#) on page 78)
 - [Conversation](#) (see [Conversation](#) on page 79)
 - [Record](#) (see [Recording](#) on page 79)
- 7 **Autoscan** - autoscan sub-menu:
 - **Class**;
 - **Group A...J**;
 - **Set delay**;
- 8 **Remote control** - sub-menu for remote control functions of the student workstation:
 - [Lock input](#) (see [Lock input](#) on page 102)
 - [Lock computer](#) (see [Lock computer](#) on page 103)

- **Internet access** (see [Internet access control](#) on page 103)
- **Raise** (see [Raising the student module window](#) on page 106)
- **Power control;**
 - **Standby;**
 - **Reboot;**
 - **Shutdown;**

9 Drop-down list of logged in students

10 **Close** window button

11 Visual of the student desktop

Related Links

[Teacher module](#) on page 51

4.14 Student activities

Dialog Nibelung provides you with the tools to assign, monitor and manage student activities in the classroom.

Tip: Classroom activities can only be assigned to groups of students.



Select a group tab (see [Group tab](#) on page 75) and press **Activity** to open up menu of student activities. ([Figure 112:](#) on page 112):

- **None;**
- **Self access** (see [Self access](#) on page 113);
- **Discussion** (see [Discussion](#) on page 116);
- **Live screen** (see [Live screen](#) on page 121);
- **Internet** (see [Internet](#) on page 123);
- **Files** (see [Files](#) on page 125);
- **Quiz** (see [Quiz](#) on page 127).

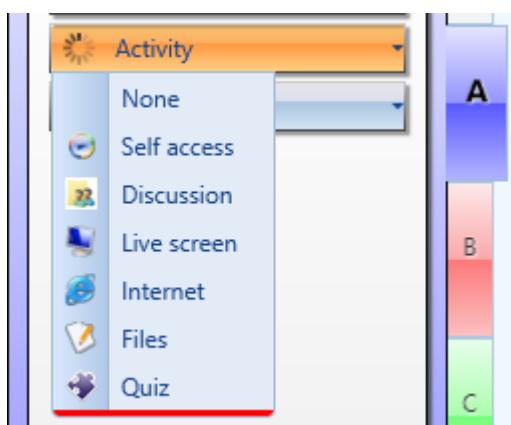


Figure 112: Group activity menu

An activity control tab ([Figure 113: on page 113](#)) will appear upon selecting an item from the **Activities** menu and the selected activity will receive a check mark.

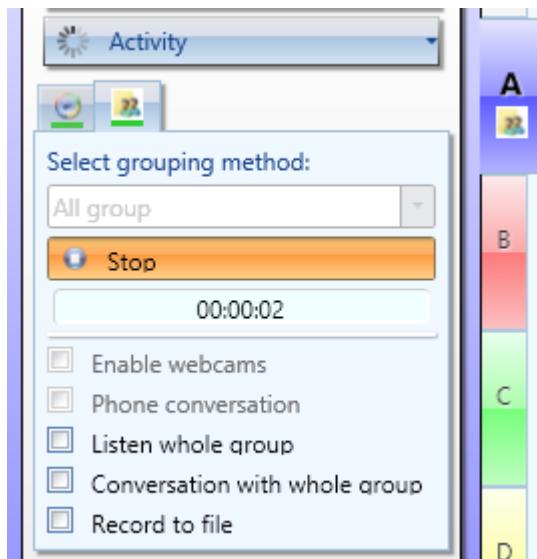


Figure 113: Current activities for a group

Select **None** from the **Activities** to cancel all assigned activities.

All activity control tabs (except for **Self access**) also contain an elapsed time clock which starts upon starting the activity with the **Start** button.

You can cancel an activity assignment by selecting a checked item from the **Activities** menu. Corresponding activity control tab will disappear.



Tip: *Dialog Nibelung allows you to assign several activities to each group simultaneously.*



A soon as the teacher assigns an activity (by pressing **Start** button), activity icon at the top of the control tab becomes colored and underlined in green.

Tip: *Icon for the selected activity will also be displayed in the group tab.*

Related Links

[Teacher module](#) on page 51

[Self access](#) on page 113

[Discussion](#) on page 116

[Live screen](#) on page 121

[Internet](#) on page 123

[Files](#) on page 125

[Quiz](#) on page 127

4.14.1 Self access

Self access is a mode in which students study in the classroom on their own. They work individually, using either multimedia materials received from the teacher or files residing locally on their workstations. They can also record their voices from the headset microphone to compare with the samples.

Upon initiation of the **Self access** activity ([Figure 114: on page 114](#)) student modules will automatically open a media player window.

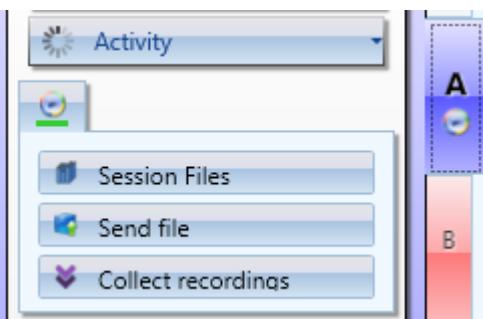


Figure 114: **Self access** activity control tab

A set of files for a student self access assignment is called session files. You can add files to session files by pressing **Session files** button in the activity control tab ([Figure 114: on page 114](#)). This will open the **Session files** window ([Figure 115: on page 114](#)).

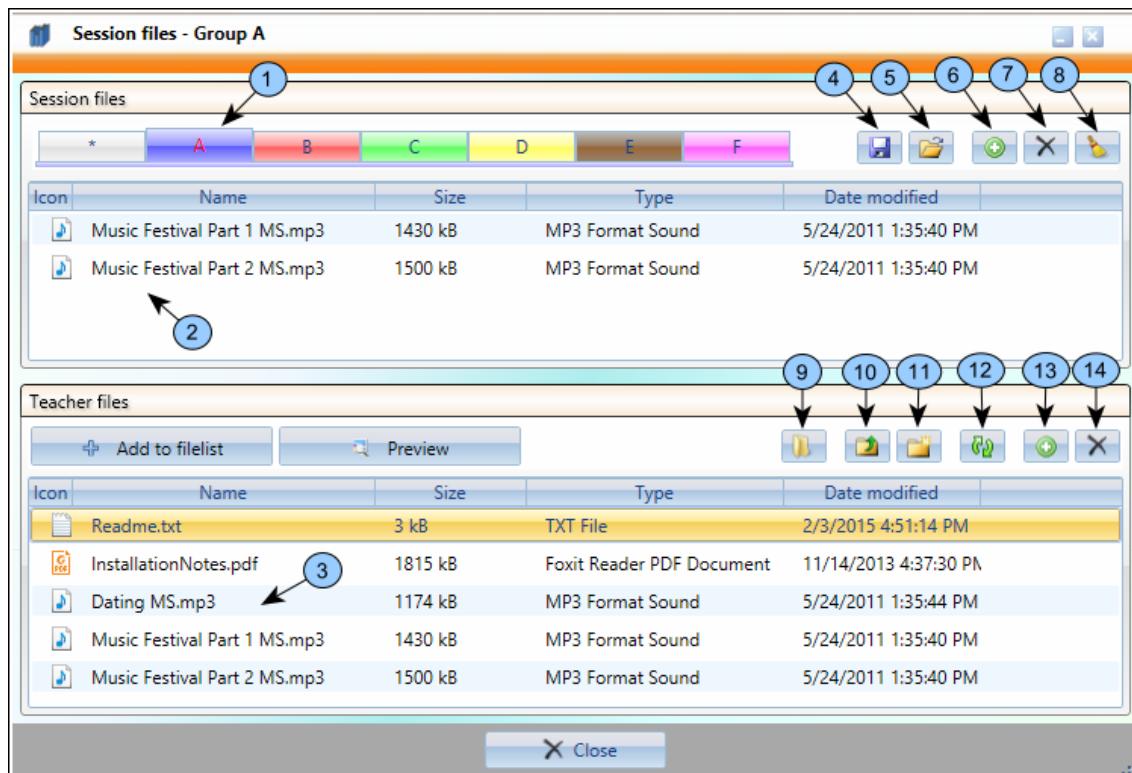


Figure 115: **Session files** window

Elements of the **Session files** window:

- 1 Group tabs
- 2 Session file list
- 3 Files in the teacher folder
- 4 Save session file list button
- 5 Open session file list button
- 6 Add files to session files button
- 7 Remove file from session file list button
- 8 Clear session file list button

- 9 **Open teacher folder in file manager** button
- 10 **Create folder** button
- 11 **Parent folder** button
- 12 **Rescan teacher folder** button
- 13 **Add file to teacher folder** button
- 14 **Delete file from teacher folder** button

Session files window has two panels: **Session files** and **Teacher files**.

The top panel (**Session files**) contains group and class switching tabs together with the list of session files for the class or current group.

The bottom panel (**Teacher files**) displays contents of the teacher folder, from where you can add files to the session file list. File system navigation buttons are provided. You can also open the teacher folder in an external file manager.

Select a file from the list and press **Preview** to view the file. You can also open a file in an external application window by double clicking on it.

To add a file to the session files: select class or group tab; then select a file from the bottom panel, and press **Add to session file list** (6 in [Figure 115](#): on page 114). Use the + button (13 in [Figure 115](#): on page 114) to add file(s) to the teacher folder.

Other available buttons allow you to remove files from the session files, clear session file list, save and open session file list.



Tip: Session file list will be updated on the student workstations immediately after the teacher updates the list. The actual session files will be sent only when a student tries to access this particular file.

The teacher can also send files to the students bypassing the session file list. Press **Send file** button in the **Self access** activity control tab. Press **Browse** button in the **Send file** control area that will appear ([Figure 116](#): on page 115), select the file and press **Send**.

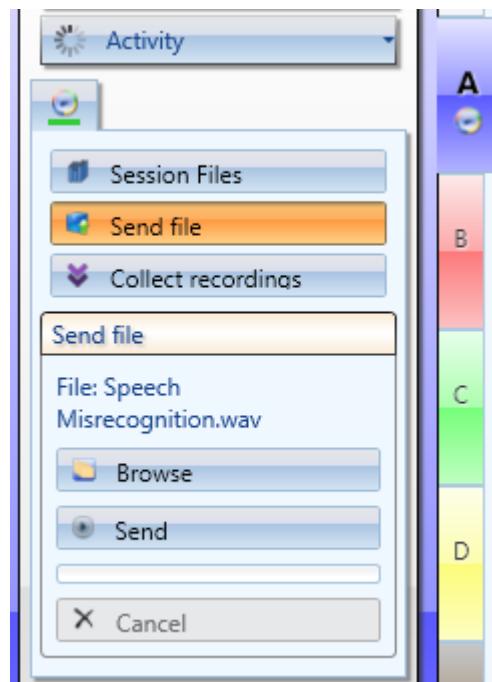


Figure 116: **Self access > Send file** menu

File transfer progress bar will appear under the **Send** button. When the transfer is completed, name of the file will appear in the student panel (see [Figure 46](#): on page 52).



Important: Duration of a file transfer depends on the file size, number of students in the class, number of file recipients, classroom network traffic, and several other factors.

Press the **Cancel** button to abort a file transfer already in progress.

If the file is an audio file in **WAV**, **MP3**, **WMA** or **NMF** (**Dialog Nibelung** native) formats, it will be opened in the student's media player. Other types of files will be opened using standard Windows file associations.

The teacher can collect just the student track (recording of the student's voice) or combination of master and student tracks. Press **Collect recordings** to accomplish this.

Collect recording control area will appear in the tab ([Figure 117: on page 116](#)) where you can select track type to collect from the students: **Master track**, **Student track**, **Combined** master and student tracks, or **Everything** (master track, student track, bookmarks, subtitles, assignment meta data).

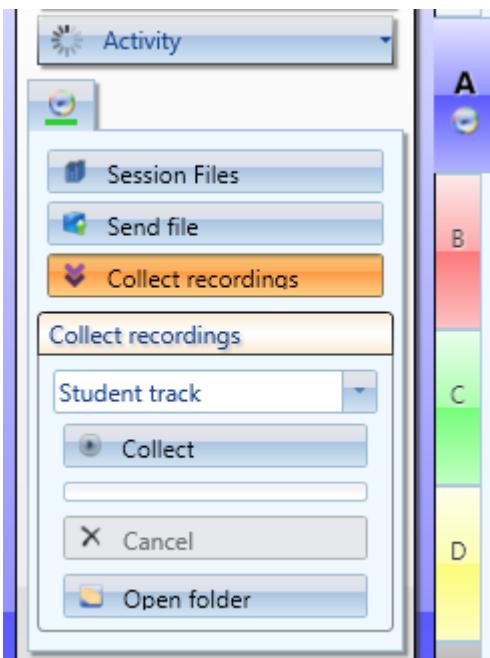


Figure 117: **Self access > Collect recordings** menu

Press **Collect** to start student recordings collection. Collected files will be either in **MP3** or **NMF** formats (the latter being used when collecting **Everything**) and will be saved in the teacher folder.

A progress bar will appear below the **Collect** button indicating recording collection progress.



Important: Speed of the recording collection will depend on the file size and number of students in the class.

You can use **Cancel** button to abort recording collection already in progress.

Use the **Open folder** button to review the recordings once their collection is finished.

Related Links

[Student activities](#) on page 112

4.14.2 Discussion

During **Discussion** activity students have conversations either in pairs or groups. In the paired discussion mode, conversation partners within the group can be assigned by the teacher, selected by students themselves, assigned by **Dialog Nibelung** at random, or preset based on the seat ID.

Select **Discussion** from the **Activities** menu, then select **Whole group** from the **Select grouping method** drop-down box, and press **Start** button ([Figure 118:](#) on page 117) to initiate discussion for the whole group.

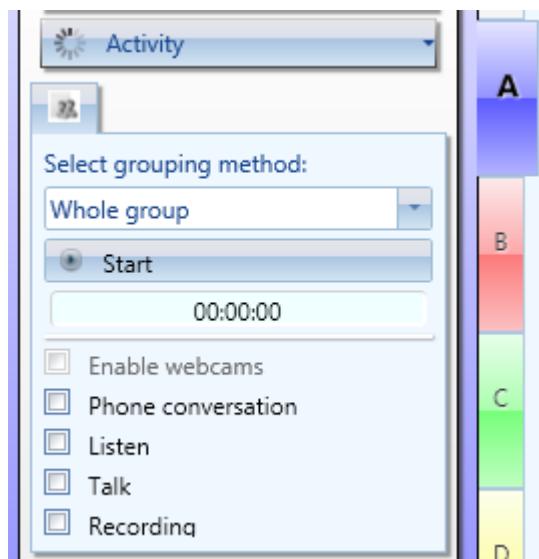


Figure 118: **Discussion** control tab for the **Whole group**

Student panels of all students participating in the discussion will change their appearance ([Figure 119:](#) on page 117).



Figure 119: Group discussion participants in the classroom console

Select **Phone conversation** option if you would like to simulate speech quality characteristic to telephone conversations (reduced legibility, static noise, pops and clicks, etc.)

You can listen to the discussion by selecting **Listen** option.

The teacher can also participate in the discussion by selecting **Talk** option.

Select **Preset** from the **Grouping method** drop-down box ([Figure 120:](#) on page 118) button to initiate discussion between preset pairs of students.



Tip: Preset partners are assigned in ascending student seat ID order, e.g. 1-2, 3-4, 5-6 and so forth.

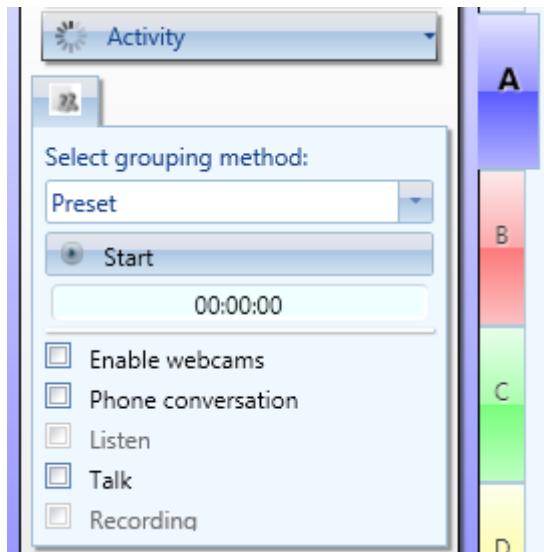


Figure 120: **Discussion** menu for **Preset** pairs

Select **Recording** option to record discussion into a file in **MP3** format. The file will be saved in the Waves sub-folder of the teacher folder, e.g. Jason Miller\Waves\ENG101\2015-02-06\Group A (1-57 PM).mp3. In this example,

- Jason Miller is the teacher name,
- ENG101 is the class,
- 2015-02-06 is the recording date in year-month-day format,
- Group A is the group,
- 2-57 PM is the recording time.



Tip: *Listen* and *Recording* options are available only for the group discussions. You can use similar facilities from the student menu (see [Student menu](#) on page 76) to listen and record individual pairs.

Press the **Start** button to activate the discussion mode according to selected options.

Discussion partners will be indicated in the classroom console by highlighting their names in the same color ([Figure 121: on page 118](#)).



Figure 121: Discussion partners in the classroom console

Select **Discussion** from the **Activity** menu, then select **Random** from the **Grouping method** drop-down box and press **Set pairs** ([Figure 122: on page 119](#)) to initiate discussion in pairs assigned at random.

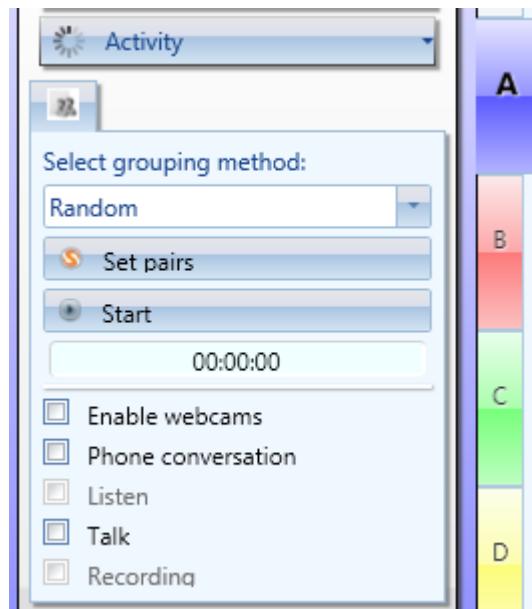


Figure 122: **Discussion** menu for random pairs

Press the **Start** to activate discussion for random pairs.



Tip: Press **Set pairs** again to assign new random discussion partners.

To initiate discussion among manually assigned discussion partners, first select **Discussion** from the **Activity** menu, then select **Manual** from the **Grouping method** drop-down box and then press **Select** ([Figure 123: on page 119](#)). Now you can assign discussion partners by clicking on student panels in the classroom console. Press **Select** again when all pairs have been assigned and press **Start** to activate the discussion.

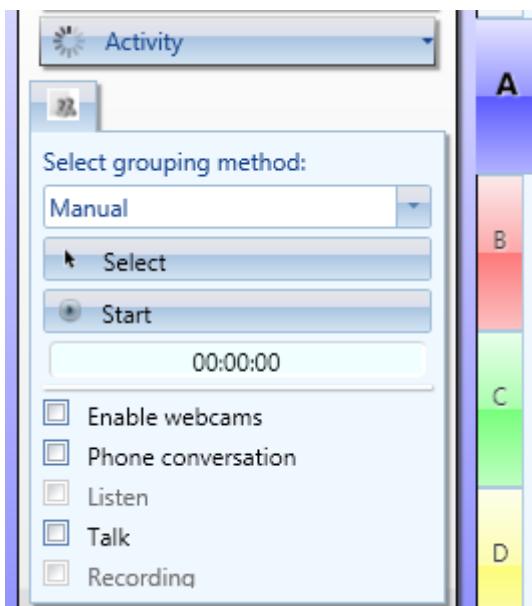


Figure 123: **Discussion** menu for manual grouping

Select **Discussion** from the **Activity** menu, then select **Student choice** from the **Grouping method** drop-down box to allow the student to choose their own discussion partners ([Figure 124: on page 120](#)).

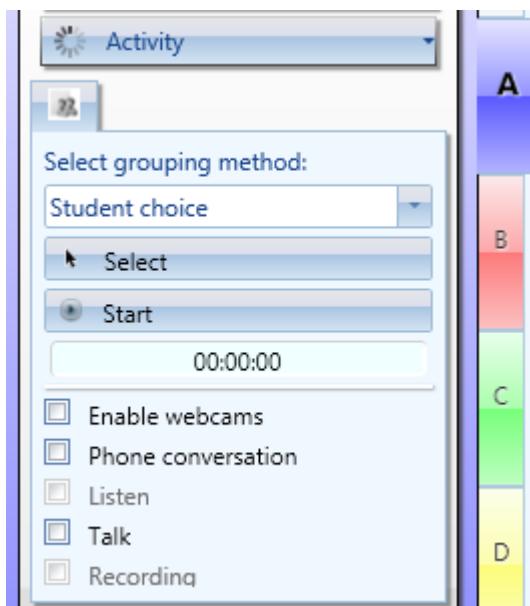


Figure 124: **Discussion** menu for student choice of partners

A **Choose a partner** window will appear on student screens ([Figure 125: on page 120](#)).

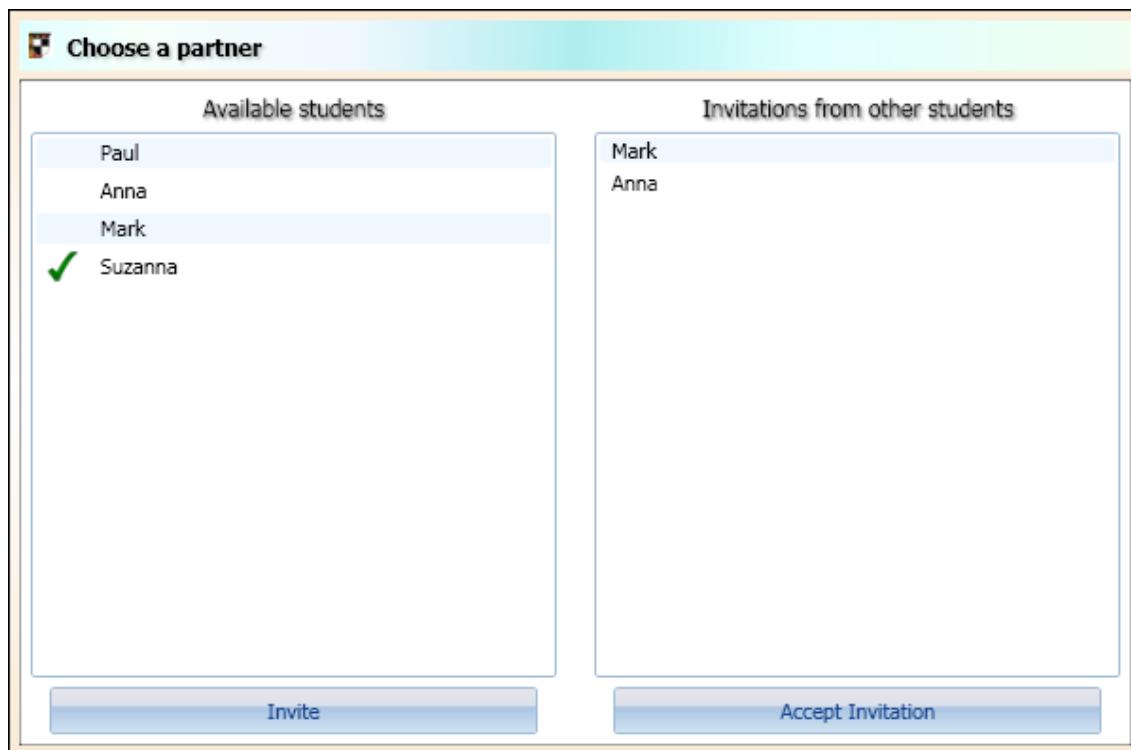


Figure 125: **Choose a partner** window

The left panel in this window contains a list of students available for invitation. Students should select a name from the list and press **Invite** to send an invitation. Already invited students have a green check mark displayed next to their name.

The right panel displays invitations received from other students. Student should select a name from this list and press **Accept invitation** to become discussion partners. This will form a pair and close the window.



Attention: Please note that once this window is closed, the students will not be able to change their choice.



Tip: The teacher can override student choices and assign new discussion partners by pressing **Select** button.

Press **Start** to activate the discussion mode.

Enable webcams option is available in the paired discussion mode. When this option is selected the students will be able to see each other on their screens in the media player window.

Related Links

[Student activities](#) on page 112

4.14.3 Live screen

In the **Live screen** mode a copy of the teacher's or other student's screen will be displayed in real time on student workstations.

Select **Teacher** from the **Select sources** drop-down box ([Figure 126: on page 121](#)) to display a copy of the teacher workstation screen.

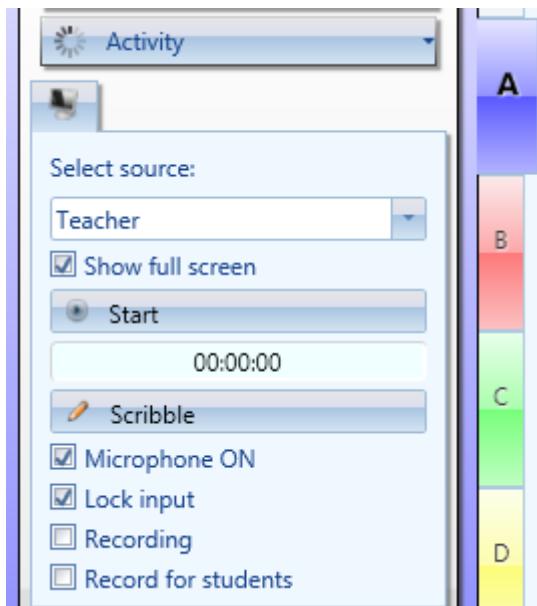


Figure 126: **Live screen** activity control tab showing display of teacher's full screen

You can select between showing full screen (check the **Show full screen** box) or one of the windows on the screen by selecting it from the **Select application** drop-down list that appears when this box is left unchecked ([Figure 127: on page 122](#)).

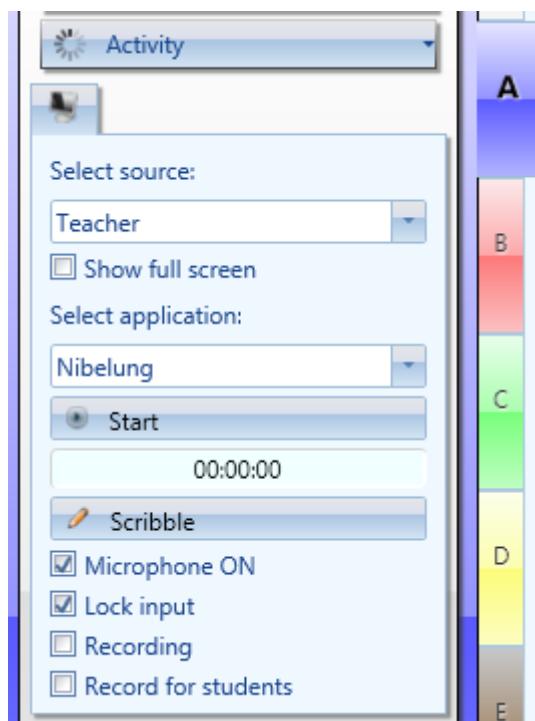


Figure 127: **Live screen** activity control tab showing display of a selected window from the teacher's screen

Select **Student** as the source and select a student from the drop-down box to display this student's screen to the other students in the class ([Figure 128: on page 122](#)).

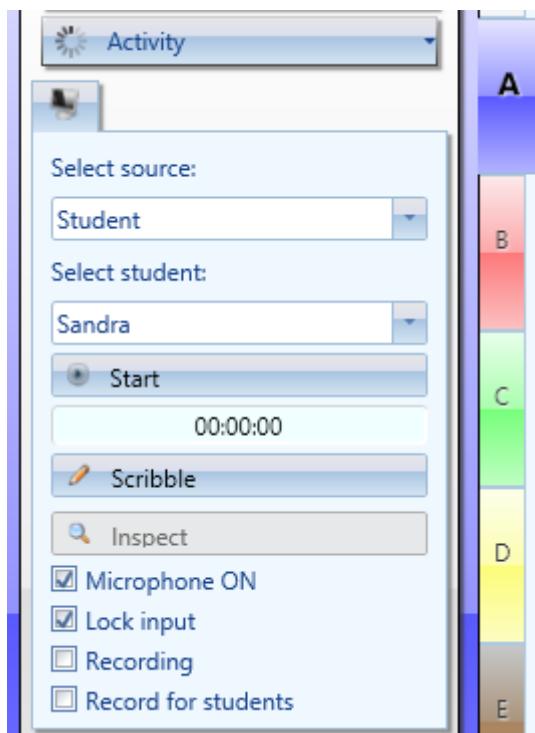


Figure 128: **Live screen** activity control tab showing display of a student's screen

Press **Start** to start displaying of live screen, at which point this button will be replaced by the **Stop** button. Select **Microphone on** option for the students to be able to also hear the source in their headsets .

Press the **Scribble** button to enable scribbling notes on the screen. A semi-transparent window with scribble controls will appear on the source screen ([Figure 129: on page 123](#)).

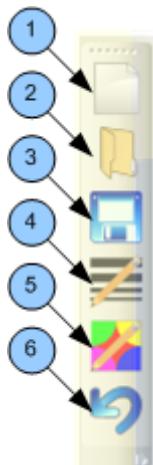


Figure 129: **Scribble** control menu

Elements of the scribble control menu:

-
- 1 **Clear scribbles** button
 - 2 **Open drawing** button
 - 3 **Save drawing** button
 - 4 **Pen width** button
 - 5 **Pen color** button
 - 6 **Exit** button
-

This menu allows you to change drawing pen color and width, save and open drawing files, and clear all drawings from the screen.

Press the **Exit** button (6) to close the scribble window and exit **Scribble** mode.

You can save a video copy of the **Live screen** display session to a file. Select **Record to file** option before activating this mode, and the system will prompt you for a file name upon pressing the **Start** button. By default files will be saved in the Video sub-folder of the teacher folder.

You can also record your audio commentary by selecting the **Record for students** option. This recording can be later used, for example, as an assignment in **Self access** student activity (see [Self access](#) on page 113).

Press **Stop** button in the activity control tab to exit the live screen mode.

Related Links

[Student activities](#) on page 112

4.14.4 Internet

Internet is a student activity mode in which they are presented with web pages in a browser remotely controlled from the teacher workstation.

Select **Internet** from the **Activity** menu ([Figure 130: on page 124](#)) and press **Start** button to activate this mode. At this point **Microsoft Internet Explorer** web browser will be launched on the student workstations,

and the **Start** button will be replaced with the **Stop** button. Press **Stop** to exit the mode and close **Microsoft Internet Explorer** on the student workstations.

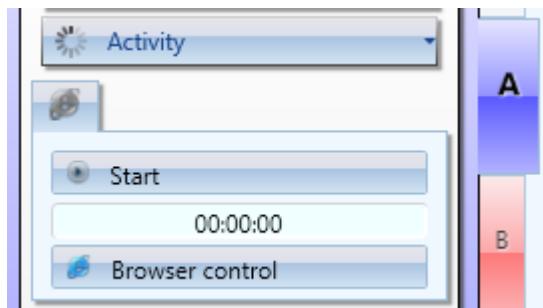


Figure 130: **Internet** activity control tab

Press **Browser control** button to open a window for controlling student browsers (Figure 131: on page 124).



Figure 131: **Browser control** window

Elements of the **Browser control** window:

- 1 **Previous** page in history
- 2 **Next** page in history
- 3 **Stop** loading page
- 4 **Reload** page
- 5 **Home** page
- 6 Group tabs

- 7 URL address field
 - 8 **Minimize**, **Maximize** and **Restore** buttons for remote control of student browser windows
-

The window has a regular browser functionality with addition of the remote control functions.

Press **Send** button to send the URL in address field (7) to the student browsers.

Press **Follow** to force student browsers replicate actions in your **Browser control** window.

Start button duplicates the namesake button in the activity control tab.

Window control buttons (8) allow you to minimize, maximize, and restore browser window on student workstations.



Attention: If web pages you are using in this activity contain flash animations, then **Adobe Flash Player** must be installed on all student workstations for this activity mode to function properly.

Related Links

[Student activities](#) on page 112

4.14.5 Files

In the **Files** activity mode the students are assigned to work with a specific file, which is sent from the teacher workstation. Results can be collected automatically as well.

Press **Browse** button (*Figure 132:* on page 126) and select a file to be sent to the students (*Figure 133:* on page 126).

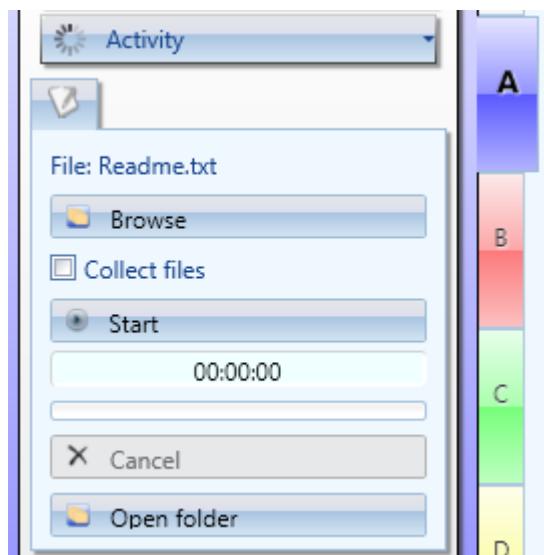


Figure 132: **Files** activity control tab

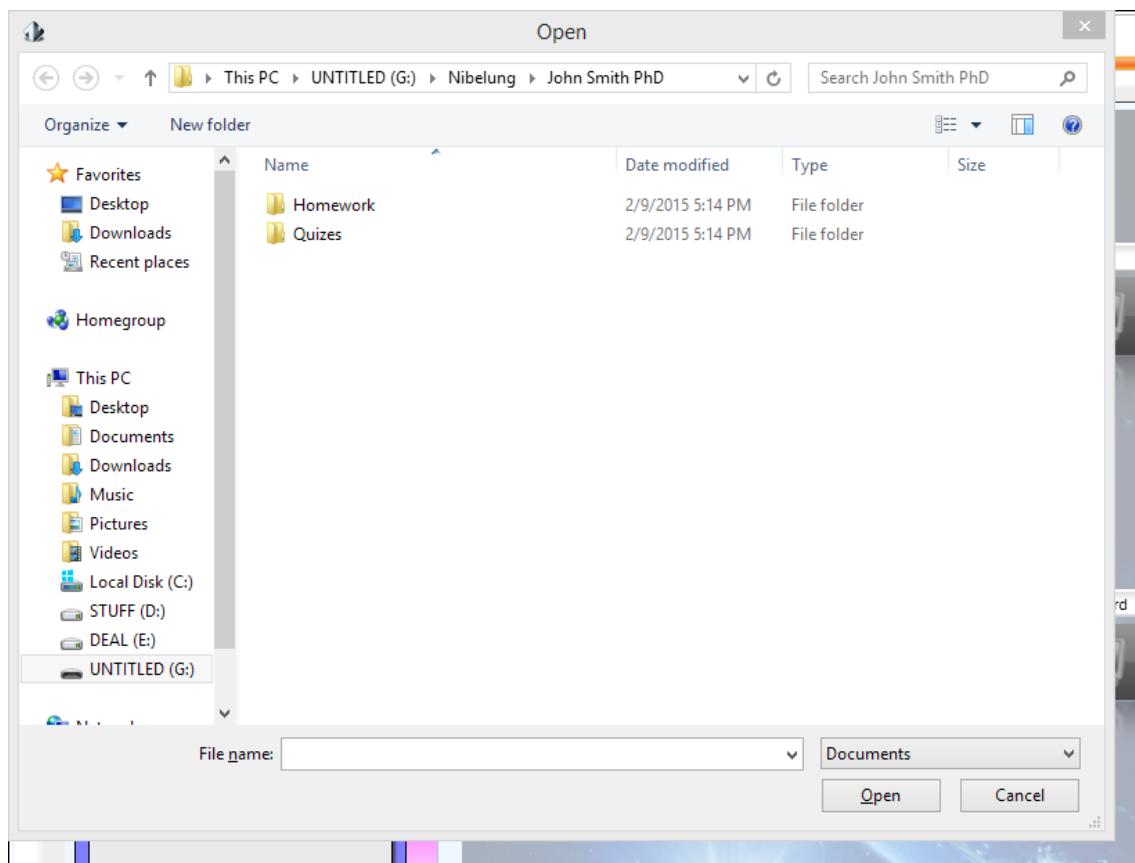


Figure 133: **Open** file window

You can filter the listing by several file types:

- documents;
- images;
- all files.

Press **Start** button to initiate file transfer. Transfer progress bar is immediately below that button.



Important: Transfer speed depends on the file size, number of recipients, and several other factors, and in general may take quite a long time.

Start button will be replaced by **Stop** upon initiation of the file transfer.

Press **Cancel** to abort a transfer already in progress.

The file will be opened with the associated application on the student workstation once transfer is complete.

Press **Stop** button to close the application which was used to open the file on student workstations. If the **Collect files** option was selected, files with results of the student work will be collected and saved in the teacher folder, e.g. Jennifer Powell\Sessions\ENG101\2009-02-12\John Doe\....



Attention: Please note that students must save the file themselves before you close the application.

Related Links

[Student activities](#) on page 112

4.14.6 Quiz

Quiz is an activity for testing students' knowledge.

Only groups of students can be tested.

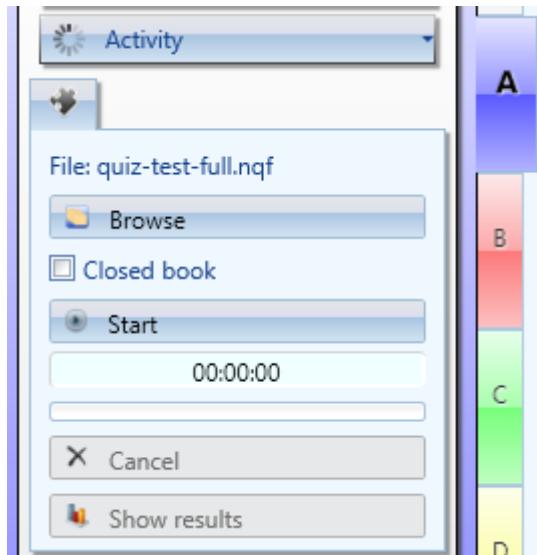


Figure 134: **Quiz** activity control tab

Use the **Browse** button to select a quiz file prepared in the **Quiz Builder** (see [Quiz Builder](#) on page 164).

Check the **Closed book** option if the quiz is to be performed under closed book conditions. In this case all other windows on the student workstation will be minimized and students will not be able to leave the quiz window until they complete the test.

Press the **Start** to sent quiz file to the students and launch the quiz module on their workstations (see [Quiz Player](#) on page 180).

Transfer progress bar is below the **Start** button.



Important: Speed of file transfer depends on the file size, number of participating students, and several other factors, and in general may take some time.

Once the quiz has started, **Start** button will be replaced by the **Collect** button.

Press **Collect** button after the quiz has finished to initiate collection of completed quizzes from the students. The progress bar is below this button.

Once collection is finished, **Collect** button will be replaced by the **Start** button and **Show results** button becomes enabled. You can now press it to view results of the quiz (see [Viewing test results](#) on page 187).

Related Links

[Student activities](#) on page 112

4.15 Media sources

The teacher module allows you to use several different sources of audio and video for broadcasting to student workstations. Media sources can be selected only on a group basis.

Select a group tab and press **Media sources** button to access media source selection menu.

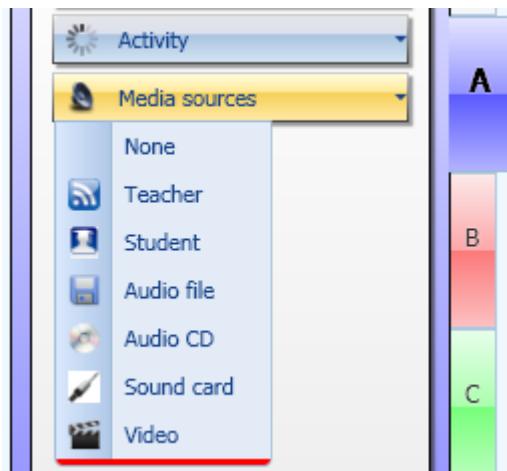


Figure 135: **Media sources** menu

You can select one of the following sources from the menu ([Figure 135:](#) on page 128):

- **None;**
- **Teacher** microphone;
- **Student** microphone;
- **Audio file** on the teacher workstation;
- **Audio CD** on the teacher workstation;
- **Sound card** on the teacher workstation;
- **Video** file or video capture card on the teacher workstation, or YouTube.

Every source has its own control tab that will appear below the **Media sources** button upon selecting this particular source. All control tabs have a **Start** button for initiating group broadcast, at which point it will be replaced with a **Stop** button. Pressing the **Stop** button will terminate the broadcast.

Most source control tabs also have the following options:

- **Record for students;**
- **Digitize;**
- **Listen.**

Check **Record for students** option to save a copy of the broadcast as a master track on student media players. Whenever **Record for students** is selected, an additional **With microphone** option becomes available ([Figure 136:](#) on page 129) that allows to simultaneously record signal from student microphones to the student track of their media players.

Check the **Listen** option to be able to monitor selected source in the teacher headset.

Select **Digitize** option to digitize an analogue audio source. Upon pressing **Stop** button, you will be prompted to save the digitized recording in **WAV** or **MP3** format.

Tip: You can use this digital recording just like any other audio file.



Related Links

[Teacher module](#) on page 51
[Teacher](#) on page 129
[Student](#) on page 129
[File](#) on page 131
[Audio CD](#) on page 132
[Sound card](#) on page 133
[Video](#) on page 134

4.15.1 Teacher

Select this menu item to use teacher's microphone as the media source.

The **Teacher** media source control tab (*Figure 136:* on page 129) has only the **Start** with two additional options: **Record for students** and **Digitize**. They are described in [Media sources](#) on page 128 .

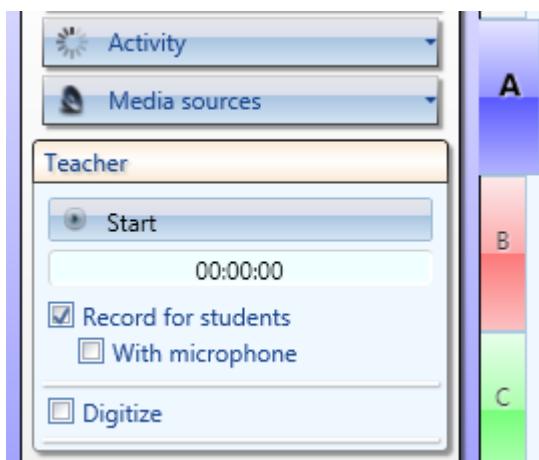


Figure 136: **Media sources > Teacher** control tab

Selecting this source allows the students to hear the teacher during any activity.

Immediately below the **Start** button there is a clock that displays time elapsed since teacher microphone was selected as the source for broadcast.



Tip: You can digitize and save teacher's voice for future use.

Related Links

[Media sources](#) on page 128

4.15.2 Student

Select this menu item to use a student's microphone as the source of broadcast, allowing other student to hear him or her during any activity. Any student can be selected as the source, even ones who are not affiliated with the current group.

The **Student** media source control tab ([Figure 137: on page 130](#)) has a **Start** button, a drop-down list of students, and three additional options: **Record for students**, **Digitize** and **Listen** (these options are described in section [Media sources](#) on page 128).

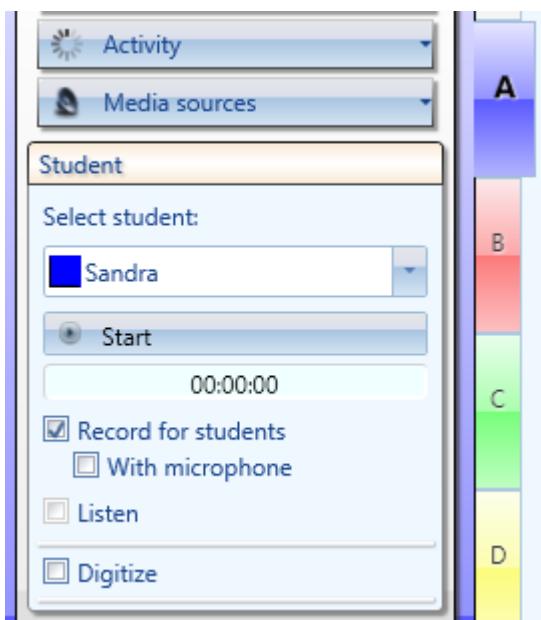


Figure 137: **Media sources > Student** control tab

Immediately below the **Start** button there is a clock displaying time elapsed since the student has been selected as the source of broadcast.



Tip: You can digitize and save student's voice for future use.



Tip: Using a **Student** from outside of the group as the media source one can easily organize **simultaneous interpreting** into several languages. Associate the interpreters with the same group, e.g. group **A**. This group listens to the speaker. Each interpreter, in turn, is then selected as a source for another group of listeners. For example, in ([Figure 138: on page 130](#)) group **B** can listen to simultaneous interpretation of the speaker into Spanish, while group **C** can listen to the same in French.

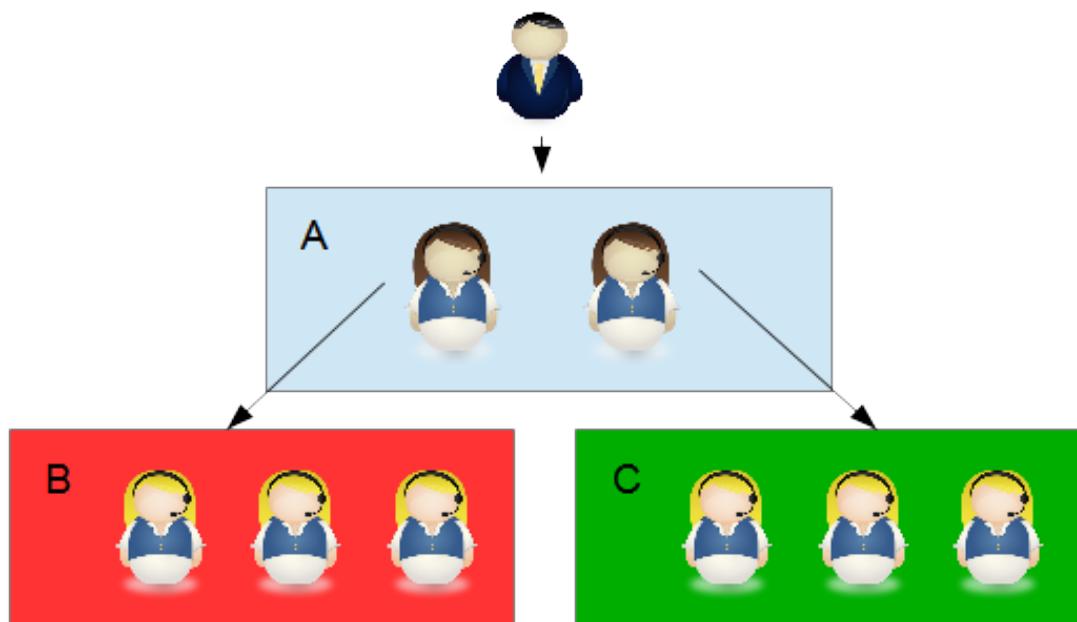


Figure 138: Simultaneous interpreting with **Dialog Nibelung**

Related Links

[Media sources](#) on page 128

4.15.3 File

Select this **Media sources** menu item to use an audio file as a source of broadcast to the students, allowing them to hear the audio during any activity.

The **File** media source control tab (*Figure 139:* on page 131) has a **Browse** button; a mini player consisting of **Start/Stop**, **Pause** and **Repeat** buttons, an audio waveform, a playback progress bar, and a time counter; bookmarks control buttons; and two additional options: **Record for students** and **Listen** (these options are described in section [Media sources](#) on page 128).

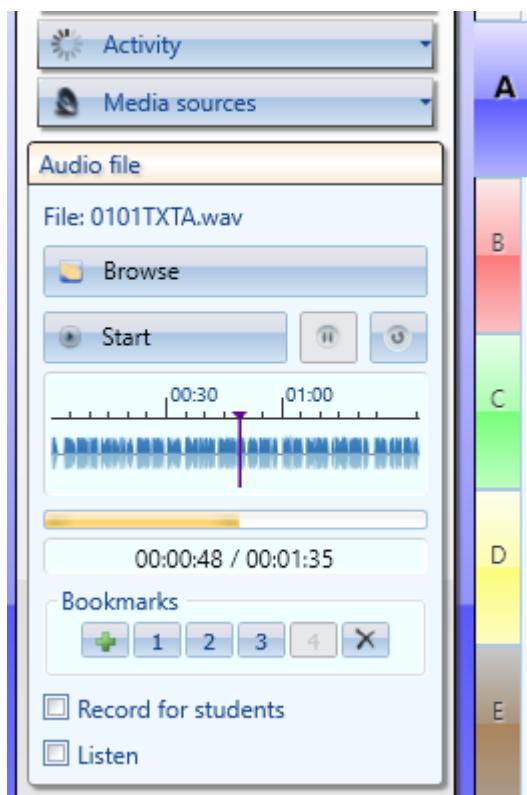


Figure 139: **Media sources > File** control tab

Use the **Browse** button to select an audio file in **WAV**, **MP3** or **WMA** formats as the source.

Press **Start** button in the mini player to begin the playback, at which point this button will be replaced by the **Stop** button and **Pause** button becomes available.



Tip: Click on the playback bar or on audio waveform to instantly change the playback position. Double click to reset playback position to the beginning of the file.

Repeat button allows you to repeat selected fragment of the track in a loop.

You can select the fragment by dragging the mouse pointer on the playback bar or on audio waveform. Selected fragment will be displayed in different color.

You can set up to 4 bookmarks per track. Use the **+** button to set a bookmark at the current position. A first available number between 1 and 4 will be assigned to this bookmark and corresponding bookmark button becomes enabled. Press this button to instantly skip the playback to the bookmark position. Press the **X** button followed by the bookmark number button to delete a bookmark.



Tip: The teacher can listen to the file together with the students by selecting the **Listen** option.

Related Links

[Media sources](#) on page 128

4.15.4 Audio CD

Select this **Media sources** menu item to use an audio CD in the teacher workstation CD-ROM drive as a source of broadcast, thus allowing the students to hear the CD during any activity.



Tip: *Dialog Nibelung allows several different groups to use the same CD simultaneously. Moreover, different groups can listen to different tracks on the same CD.*

The **Audio CD** media source control tab ([Figure 140: on page 132](#)) contains a CD drive selection list; **previous** and **next** track buttons with track counter between them; drive eject button; **Start**, **Pause**, and **Repeat** buttons; bookmark control buttons; and three additional options: **Record for students**, **Digitize**, and **Listen** (described in section [Media sources](#) on page 128).

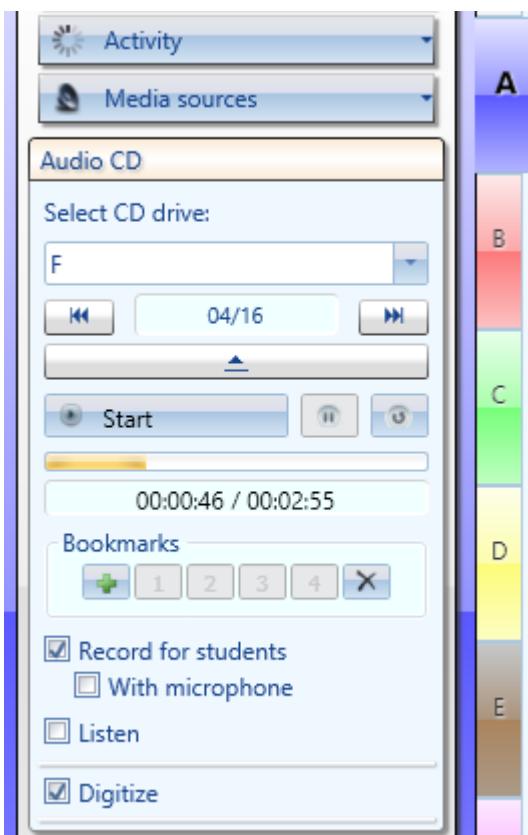


Figure 140: **Media sources > Audio CD** control tab

Current track playback progress bar together with the track clock displaying current position and track duration are immediately below the **Start/Stop** button.



Tip: *Click on the progress bar to instantly change the playback position. Double click on the bar to set playback position to the beginning of the track.*

Repeat button allows you to repeat selected fragment in a loop.

You can select the fragment by dragging the mouse pointer on the playback bar or on audio waveform. Selected fragment will be displayed in different color.

You can set up to 4 bookmarks per track. Use the + button to set a bookmark at the current position. A first available number between 1 and 4 will be assigned to this bookmark and corresponding bookmark button becomes enabled. Press this button to instantly skip the playback to the bookmark position. Press the X button followed by the bookmark number button to delete a bookmark.



Tip: *The teacher can listen to the CD along with the students or save a digital copy (using **Digitize** option) for future use.*

Related Links

[Media sources](#) on page 128

4.15.5 Sound card

Select this **Media sources** menu item to use a sound interface in the teacher workstation as a source of group broadcast, allowing students to listen to a plugged in audio source during any activity.



Tip: Dialog Nibelung allows use of different sound cards for different groups. Moreover, different groups can listen to audio sources connected to different inputs of the same sound card.

The **Sound card** media source control tab ([Figure 141: on page 133](#)) has a drop-down list for selecting a sound card; an **Open mixer** button for selecting sound card inputs; a **Start** button; and three additional options: **Record for students**, **Digitize** and **Listen** (these options are described in section [Media sources](#) on page 128).

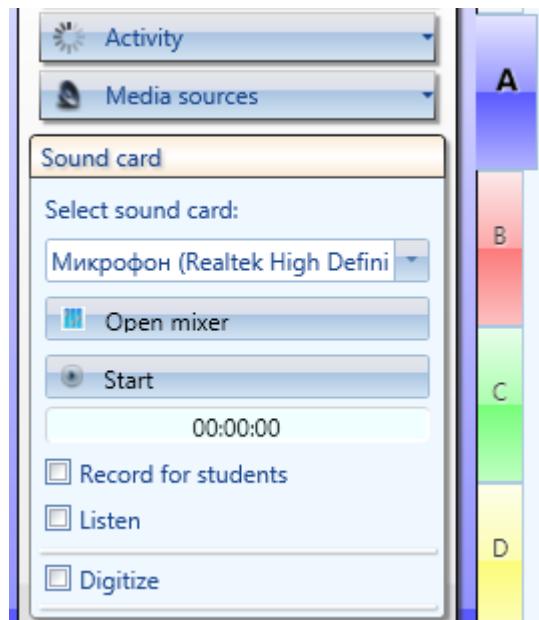


Figure 141: **Media sources > Sound card** control tab

The clock counter below the **Start** button displays time elapsed since the sound card has been selected as the source of broadcast.



Tip: The teacher can save a digitized copy of the external program for future use and/or listen to it along with the students.

Press the **Open mixer** button to open Windows **Sound** settings window ([Figure 142: on page 134](#)) where you can select desired card input.

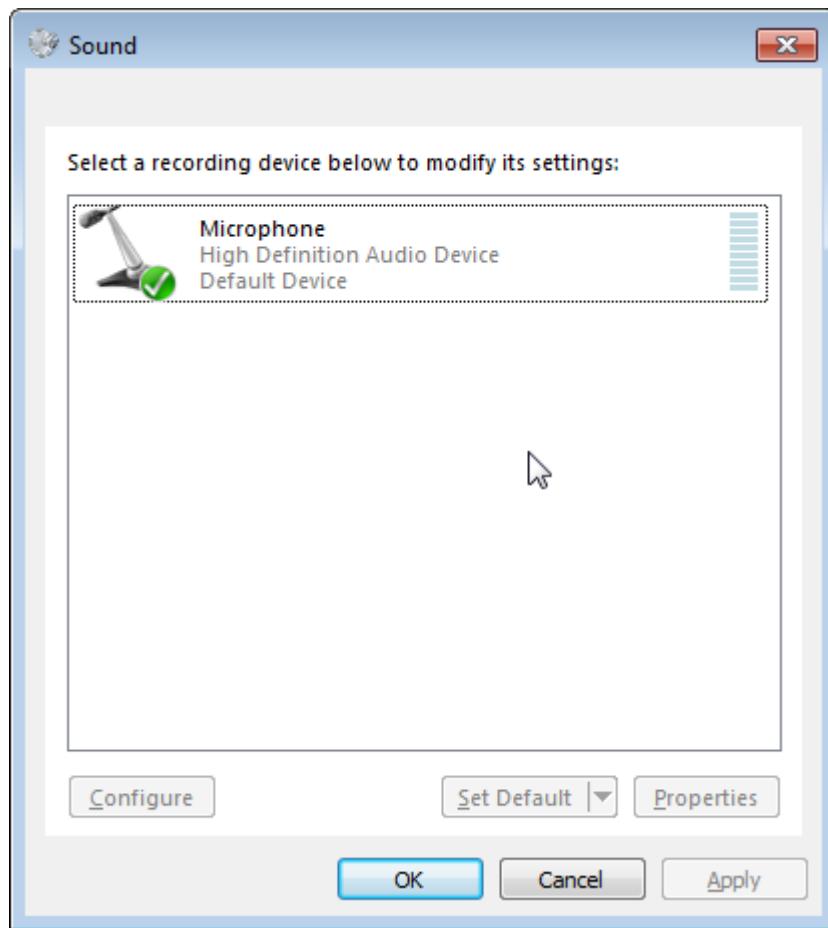


Figure 142: **Sound** settings window in Windows 7

Related Links

[Media sources on page 128](#)

4.15.6 Video

Select **Video** as the media source to broadcast a video stream to the students. The video will be displayed on the student workstations in the built in **Dialog Nibelung** video player. Video files on the teacher workstation, video signal from a video capture card on the teacher workstation, or a [YouTube](#) video can be used as the broadcast source.

Select **File** from the **Select source** drop-down list and press **Browse** button ([Figure 143: on page 135](#)) to pick up a video file for broadcasting. Selected file name will appear above the **Browse** button.



Tip: Dialog Nibelung supports many popular video file formats, including .avi, .mp4, .mpg, .wmv, etc.

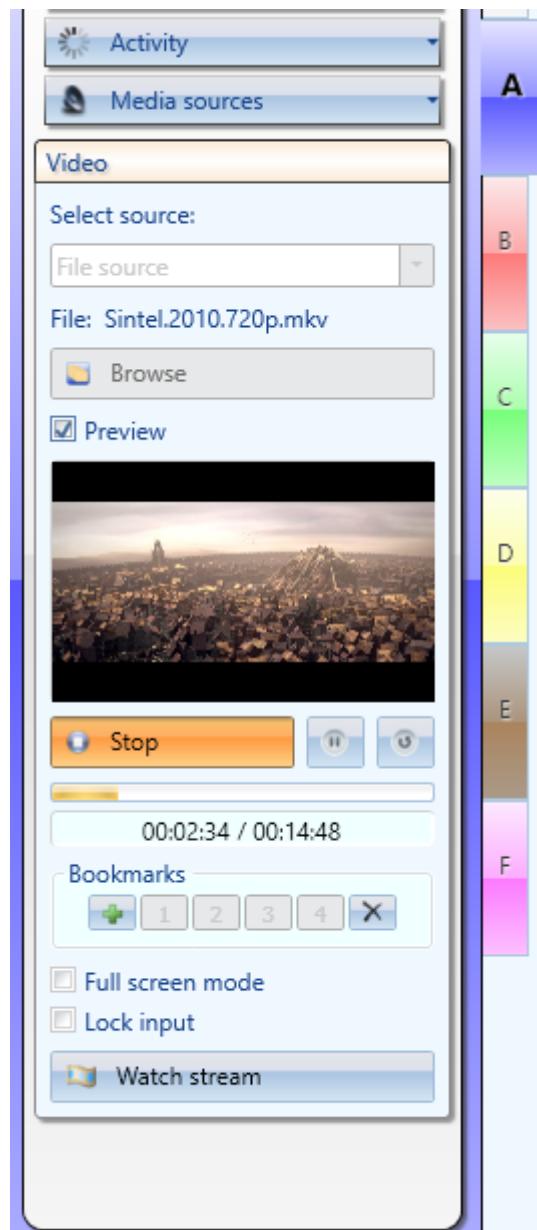


Figure 143: **Media sources > Video** control tab with **File** selected as the source

Press **Start** button in the mini player to begin the playback, at which point this button will be replaced by the **Stop** button and **Pause**, **Repeat**, and bookmarks control buttons become available.



Tip: *Pause, Repeat, and and bookmarks control buttons will remain disabled if the **Optimize video for Wi-Fi networks** option was enabled in the teacher module settings (see [Teacher module setup](#) on page 32).*

The playback progress bar and playback clock displaying current position and video duration are immediately below the **Start/Stop** button. Если включена опция **Предпросмотр**, то преподаватель может также просматривать видео в специальной области предпросмотра.



Tip: *Click on the playback bar to instantly change the playback position. Double click to reset playback position to the beginning of the file. This functionality is only available when **Optimize video for Wi-Fi networks** option in the teacher module settings is turned off (see [Teacher module setup](#) on page 32).*

Check the **Full screen mode** option to display the video on student workstations in full screen mode instead of a window.

Check the **Lock input** option to lock keyboard and mouse input on the student workstations for the duration of the video.

Press the **Watch stream** button to monitor the broadcast on the teacher workstation.

Press the **Stop** button to terminate the broadcast.

Repeat button allows you to repeat selected fragment of the track in a loop.

You can select the fragment by dragging the mouse pointer on the playback bar or on audio waveform. Selected fragment will be displayed in different color.

You can set up to 4 bookmarks per track. Use the + button to set a bookmark at the current position. A first available number between 1 and 4 will be assigned to this bookmark and corresponding bookmark button becomes enabled. Press this button to instantly skip the playback to the bookmark position. Press the X button followed by the bookmark number button to delete a bookmark.

Select a video capture card from the **Select source** drop-down list ([Figure 144: on page 136](#)) to use an external video source connected to the card as the source of broadcast. You will also need to select input type (e.g. composite, S-video, TV tuner, USB, FireWire IEEE 1394, etc.), **Frame size** in pixels, **Aspect ratio**, and an **Audio input device**.

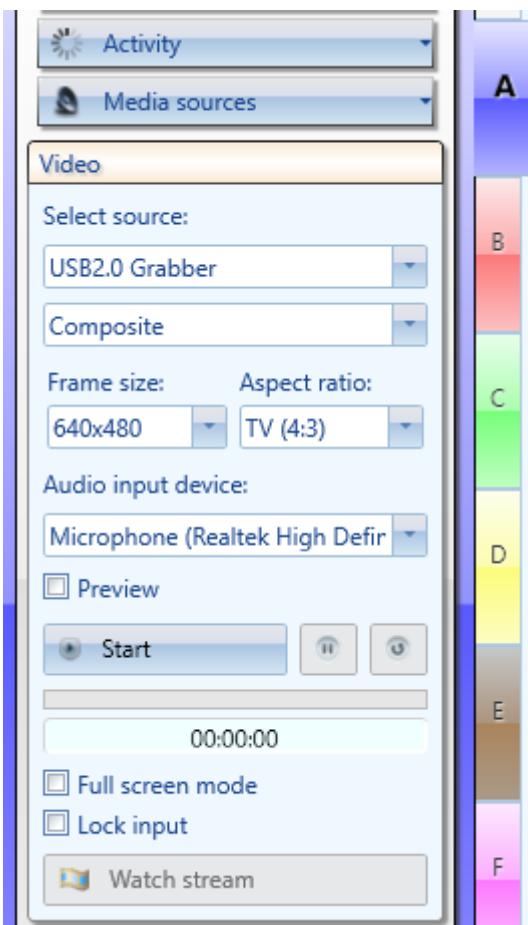


Figure 144: **Media sources > Video** control tab with video capture card selected as the source



Tip: Composite video connector is the most commonly used type in consumer grade analog video equipment.

Press the **Start** button in the mini player to start the broadcast, at which point this button will be replaced by the **Stop** button, and the video stream will start playing in the media player window on student workstations. Если включена опция **Предпросмотр**, то преподаватель может также просматривать видео в специальной области предпросмотра.

Check the **Full screen mode** option to display the video on student workstations in full screen mode instead of a window.

Check the **Lock input** option to lock keyboard and mouse input on the student workstations for the duration of the video.

Press the **Watch stream** button to monitor the broadcast on the teacher workstation.

Press the **Stop** button to terminate the broadcast.



Important: *Pause, Repeat, and and the bookmarks control buttons are disabled when a video capture card is selected as the media source.*

Select **YouTube** from the **Select source** drop-down list (Figure 145: on page 137) and enter the URL into **Page URL** field to use a **YouTube** video as the broadcast source. The page address will be displayed in green after Dialog Nibelung decodes and validates it. If the entered address is invalid, it will be displayed in red.

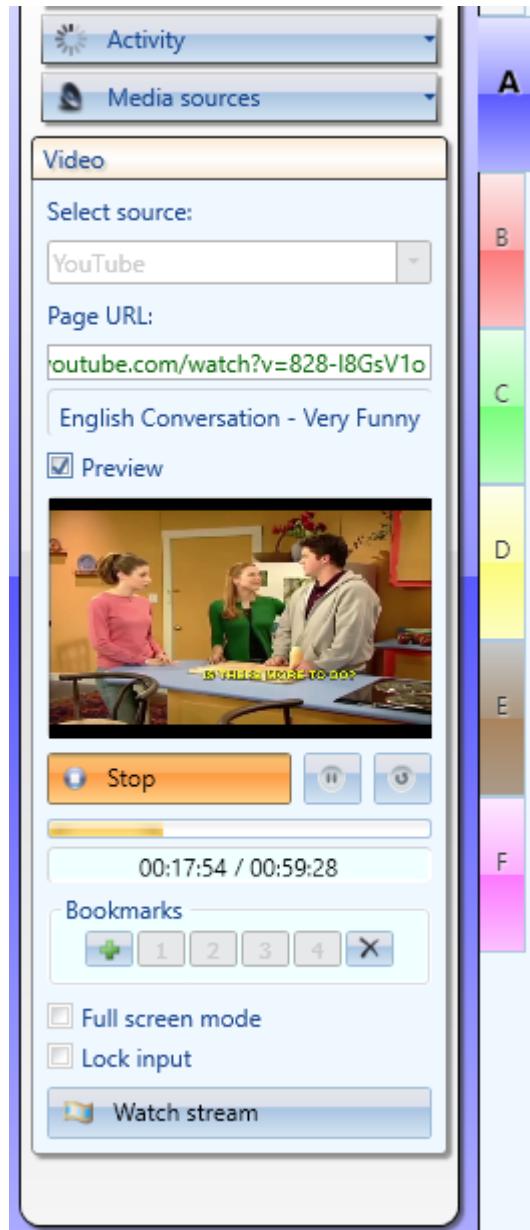


Figure 145: **Media sources > Video** control tab with **YouTube** video selected as source

Press **Start** button in the mini player to begin the playback, at which point this button will be replaced by the **Stop** button and **Pause, Repeat**, and bookmarks control buttons become available.

Check the **Full screen mode** option to display the video on student workstations in full screen mode instead of a window.

Check the **Lock input** option to lock keyboard and mouse input on the student workstations for the duration of the video.

Repeat button, bookmark control buttons and fragment selection on the progress bar work in the same manner as during playback from file (described above in this section).

Press the **Watch stream** button to monitor the broadcast on the teacher workstation.

Press the **Stop** button to terminate the broadcast.

Related Links

[Media sources](#) on page 128

4.16 Toolbar customization

The toolbar can be used for quick access to many frequently used functions of **Dialog Nibelung**. The toolbar panel is located along the left side of the main teacher module window ([Figure 45:](#) on page 51).

The toolbar panel can be customized individually for every teacher.

Select **View > Customize toolbar** from the main menu to set up the toolbar. A **Customize toolbar** window ([Figure 146:](#) on page 138) will appear on your screen.

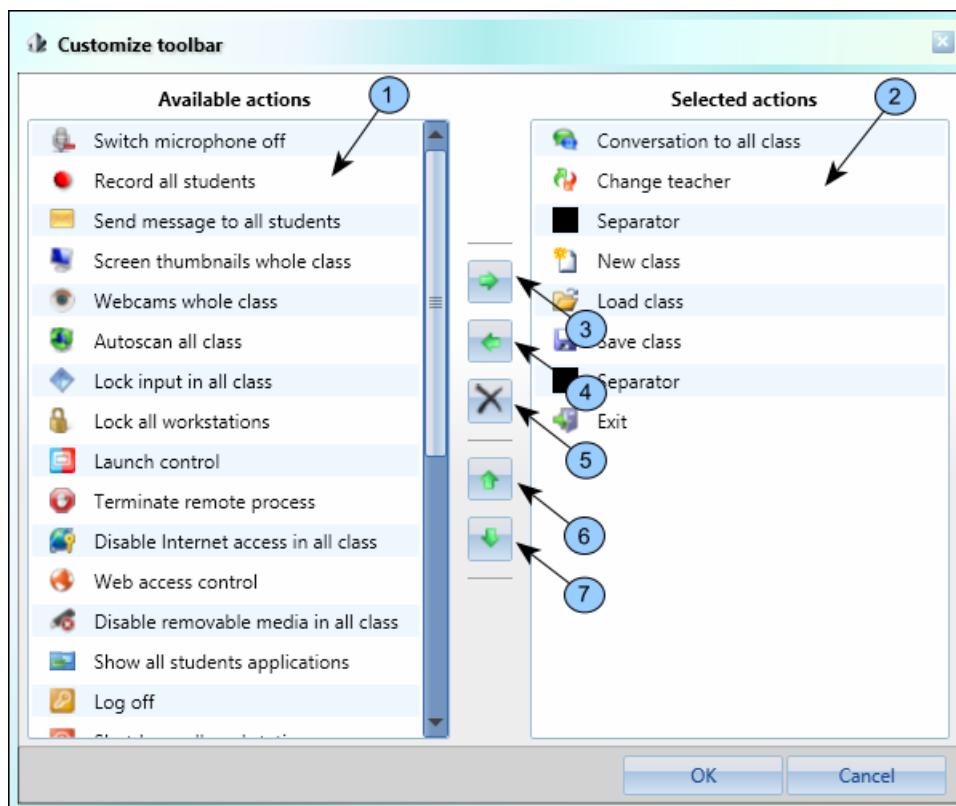


Figure 146: **Customize toolbar** window

Elements of the **Customize toolbar** window:

- 1 Available toolbar actions
- 2 Actions, selected for the toolbar
- 3 **Move action to selected** button
- 4 **Remove action from selected** button
- 5 **Clear selected** button
- 6 **Move item up the list** button
- 7 **Move item down the list** button

The following actions can be made accessible via the toolbar:

- Conversation with the whole class (see section [Conversation](#) on page 79)
- Mute microphone (see section [Mute microphone](#) on page 103)
- Recording of the whole class (see section [Recording](#) on page 79)
- Message to the class (see section [Messaging](#) on page 92)
- Thumbnails of the whole class (see section [Screen thumbnails](#) on page 100)
- Webcams of the whole class (see section [Video monitoring](#) on page 101)
- Autoscan the class (see section [Autoscan](#) on page 101)
- Lock input on all student workstations (see section [Lock input](#) on page 102)
- Lock all student workstations (see section [Lock computer](#) on page 103)
- Launch applications (see section [Launch applications](#) on page 81)
- Terminate remote process (see section [Terminating remote processes](#) on page 108)
- Disable internet access for the whole class (see section [Internet access control](#) on page 103)
- Web access control (see section [Web access control](#) on page 104)
- Disable removable media for the whole class (see section [Disable removable storage](#) on page 103)
- Raise student module windows (see section [Raising the student module window](#) on page 106)
- Logout (see section [Power control](#) on page 106)
- Power off student workstations (see section [Power control](#) on page 106)
- Reboot all student workstations (see section [Power control](#) on page 106)
- Put all student workstation into standby mode (see section [Power control](#) on page 106)
- Power on all student workstations (see section [Power control](#) on page 106)
- Switch teacher (see section [Teacher accounts](#) on page 64)
- Open teacher folder (see section [Teacher settings](#) on page 67)
- New class (see section [Class layout](#) on page 69)
- Open class file (see section [Class layout](#) on page 69)
- Save class file (see section [Class layout](#) on page 69)
- Save class file as (see section [Class layout](#) on page 69)
- Registration roll call (see section [Roll call registration](#) on page 71)
- Start a lesson (see section [Lesson](#) on page 140)
- Homework assignments (see section [Homework assignments](#) on page 93)
- Voting / Polling (see section [Голосование / Опрос](#) on page 84)
- Chat (see section [Chat](#) on page 83)
- Whiteboard (see section [Интерактивная доска](#) on page 88)
- Exit **Dialog Nibelung**.

Select an item from the list of **Available actions** on the left and press the **Move action to selected** button (3 in [Figure 146](#): on page 138) to move it to the list of actions that appear in the toolbar. You can rearrange the items in the selected actions list by using buttons 6 and 7 in [Figure 146](#): on page 138. You can also insert a separator onto the list to organize toolbar actions into logical groups.



Important: Don't forget to make the toolbar visible by selecting **View > Toolbar** from the menu.

Related Links

[Teacher module](#) on page 51

4.17 Log book

Dialog Nibelung provides the teacher with a class log book to keep track of student attendance and grades, and to display class statistics.



Tip: A separate log book is available for every teacher.

Related Links

[Teacher module](#) on page 51
[Lesson](#) on page 140
[Lesson list](#) on page 142
[Attendance statistics](#) on page 144
[Performance statistics](#) on page 147
[Class statistics](#) on page 150

4.17.1 Lesson

One of the key concepts of **Dialog Nibelung** is a lesson. Lesson is a classroom study session conducted by a teacher, has a certain start time, duration, is associated with a certain class, and can have an attendance record and a grade record associated with it.

Select **Log book > Start lesson** from the teacher module main menu to start a lesson. ([Figure 147:](#) on page 140).

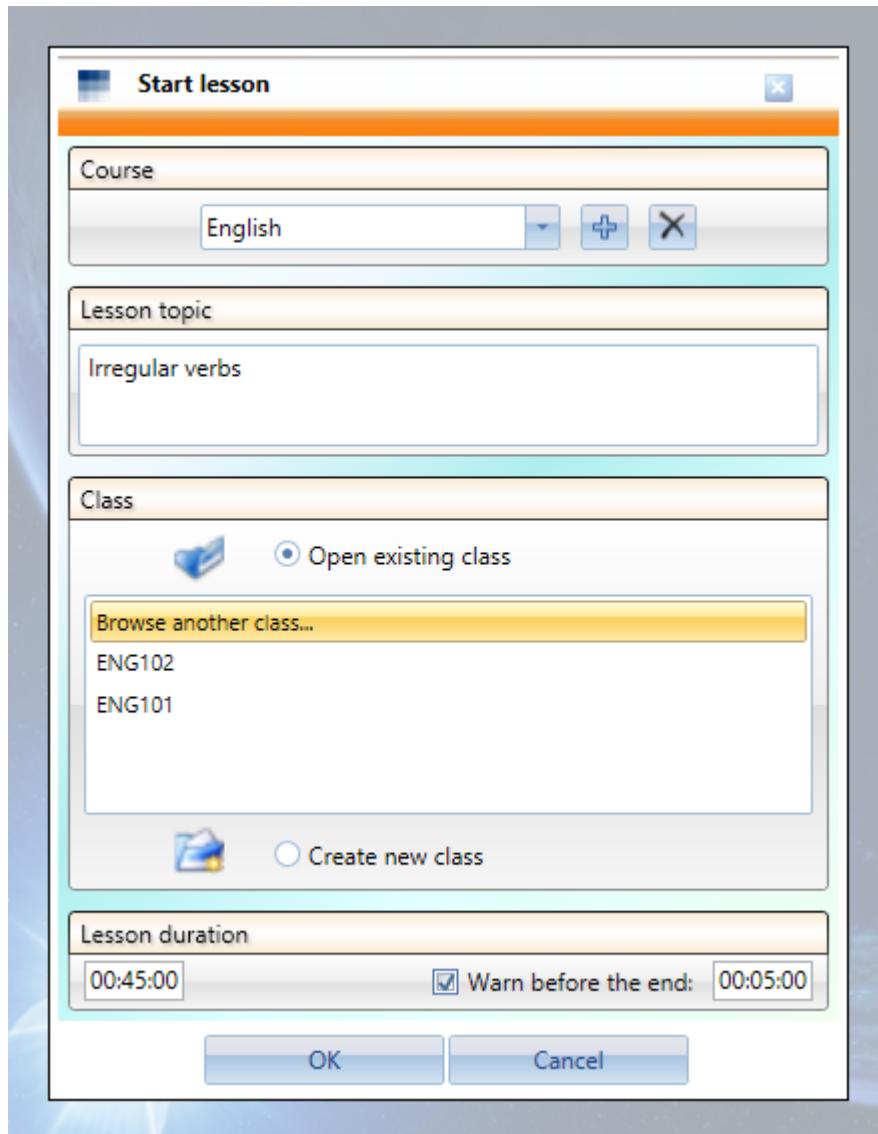


Figure 147: **Start a lesson** window

In this window you can select a course from the drop down list. You can also add new courses to the list or remove existing ones using buttons to the right of the **Course** drop-down box.

You can enter **Lesson topic** into the corresponding field Lesson topic will help in identifying individual lessons later.

Select an existing **Class** file from the list or **Create a new class**.

You can change the expected **Lesson duration** time. You can also instruct **Dialog Nibelung** to issue a warning at a preset time before the end of the lesson.



Tip: Default value for **Lesson duration** can be set in the **Teacher settings** window (see [Teacher settings](#) on page 67).

In order to start the lesson you may press **OK** button or, after validating lesson parameters, double-click on selected class.

Once a lesson is in progress, lesson clock in the status bar ([Figure 47:](#) on page 52) will begin its countdown, and a check mark will appear next to the **Start lesson** menu item.

Dialog Nibelung will automatically create an attendance record for the lesson based on the registration information supplied by the students during previous lesson (based on the assumption that students sit at the same workstations). You can also perform roll call registration (see [Roll call registration](#) on page 71) to get a more accurate record.

Students can be graded on their performance at the lesson by using the student menu (see [Student menu](#) on page 76).



Important: This menu allows for 5 preset grades. Numerical values of the preset grades are obtained by dividing the maximum score set in **Teacher settings** (see [Teacher settings](#) on page 67) into equidistant steps. You can also enter the grade manually.



Tip: You can edit lesson grades in the **Lesson list** (see [Lesson list](#) on page 142) window.

Whenever **Warn before the end** option was checked at the beginning of the lesson, **Dialog Nibelung** will show a warning on the student screens, and the lesson countdown clock in the teacher's status line will change its color to red.

When lesson time is over, **Dialog Nibelung** will finish the lesson and prompt you to save the lesson record in the class log book ([Figure 148:](#) on page 141). You can also enter some remarks for the lesson. These will be kept together with the lesson record.

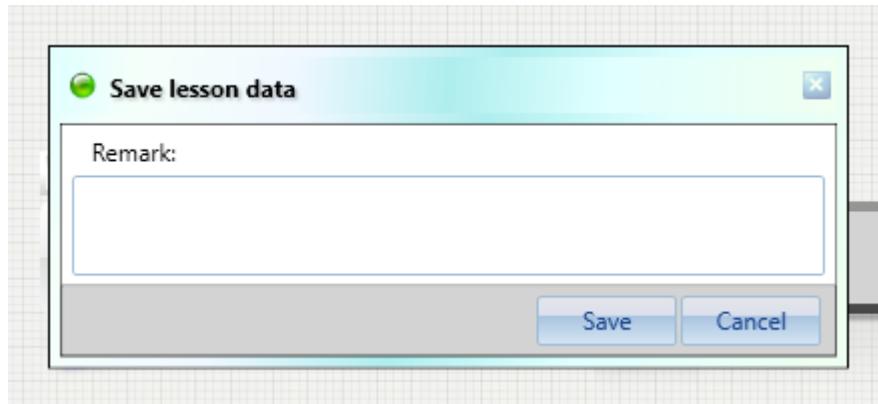


Figure 148: **Save lesson data** window

A lesson in progress can be at any time terminated manually by selecting **Start lesson** menu item again. A confirmation window ([Figure 149: on page 142](#)) will appear on your screen.

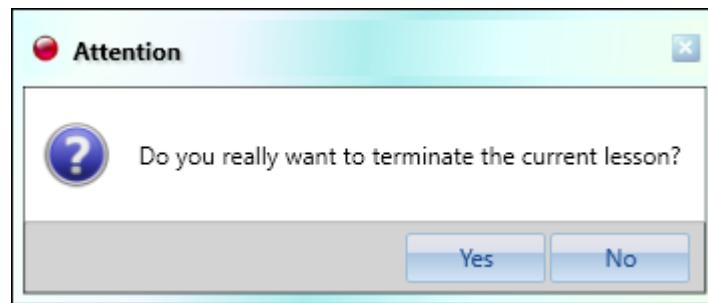


Figure 149: Terminate lesson confirmation window

Related Links

[Log book](#) on page 139

4.17.2 Lesson list

Select **Logbook > Lesson list** from the teacher module main menu to view the list of lessons.

A **Lesson list** window ([Figure 150: on page 142](#)) will appear on your screen. Lessons in the list can be filtered by course, class, and interval of dates by using controls in the **Lesson filter** panel. You can also edit lesson **Topic** and **Remarks** in the list by clicking on the corresponding fields.

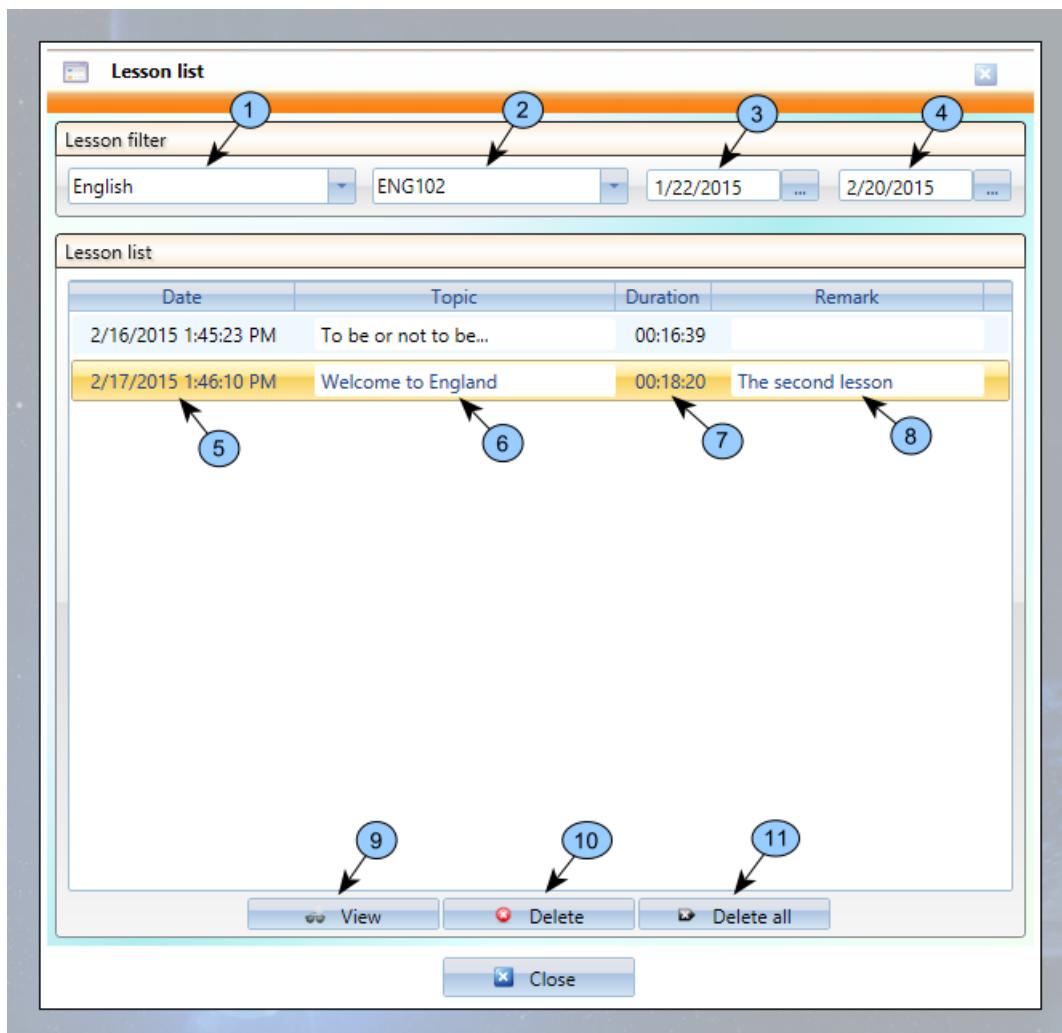


Figure 150: **Lesson list** window

Elements of the **Lesson list** window:

- 1 **Course** selection list
- 2 **Class** selection list
- 3 Start date
- 4 End date
- 5 Lesson **Date and time**
- 6 Lesson **Topic**
- 7 Lesson **Duration**
- 8 **Remarks** for the lesson
- 9 **View** lesson button
- 10 **Delete** lesson button
- 11 **Delete all** lessons in the list button

Select a lesson and press **View** button to view details for this lesson ([Figure 151: on page 143](#)).

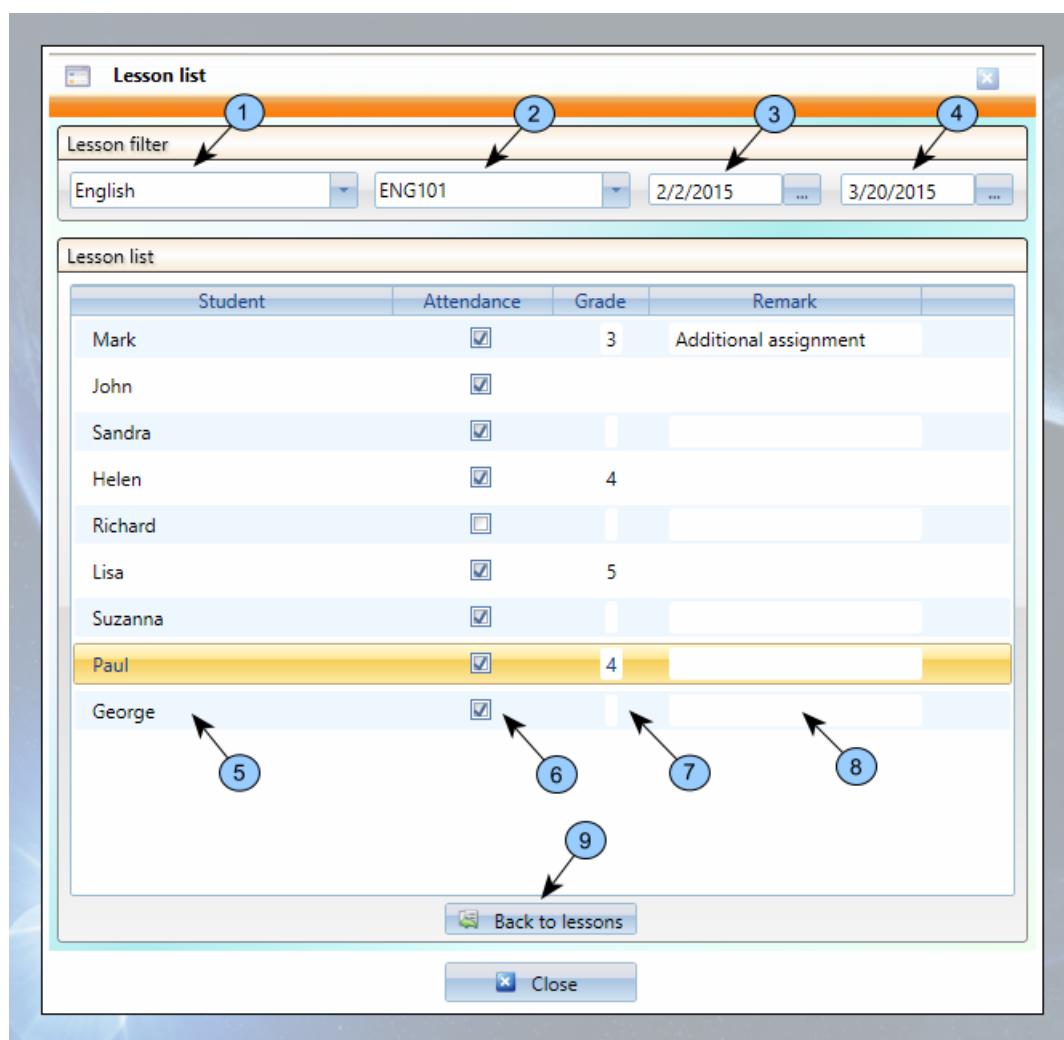


Figure 151: Lesson details

Elements of the **Lesson list** window in lesson detail mode:

- 1 **Course** selection list
- 2 **Class** selection list

-
- 3 Start date for lesson filtering
 - 4 End date for lesson filtering
 - 5 **Student name** field
 - 6 **Attendance** field
 - 7 **Grade** field
 - 8 **Remarks** field
 - 9 **Back to lessons** button
-

Lesson details (*Figure 151:* on page 143) contains attendance, grade, and remarks for individual students. You can edit these records by clicking on the corresponding field in the list.

Related Links

[Log book](#) on page 139

4.17.3 Attendance statistics

Select **Logbook > Attendance** from the main menu to view student attendance records.

A window will appear on your screen displaying statistics summary. Lessons included in the report can be filtered by course, class, and dates.

You can select **Statistics type: Summary** ([Figure 152: on page 145](#)) or **Detailed** ([Figure 153: on page 146](#)).

Student	Lessons	Missed lessons	Attendance, %
George	2	0	100 %
Helen	2	0	100 %
John	2	0	100 %
Lisa	2	1	50 %
Mark	2	0	100 %
Paul	2	0	100 %
Richard	2	0	100 %
Sandra	2	0	100 %
Suzanna	2	0	100 %

Figure 152: Summary of attendance statistics

Elements of the **Attendance statistics** window displaying **Summary**:

-
- 1 **Course** selection list
 - 2 **Class** selection list
 - 3 Start date for filtering
 - 4 End date for filtering
 - 5 **Student name**
 - 6 **Lessons** total field
 - 7 **Missed lessons**
 - 8 **Attendance, %**
 - 9 **Statistics type** selector panel
 - 10 **Export to HTML** button
 - 11 **Close**

11 Close window button

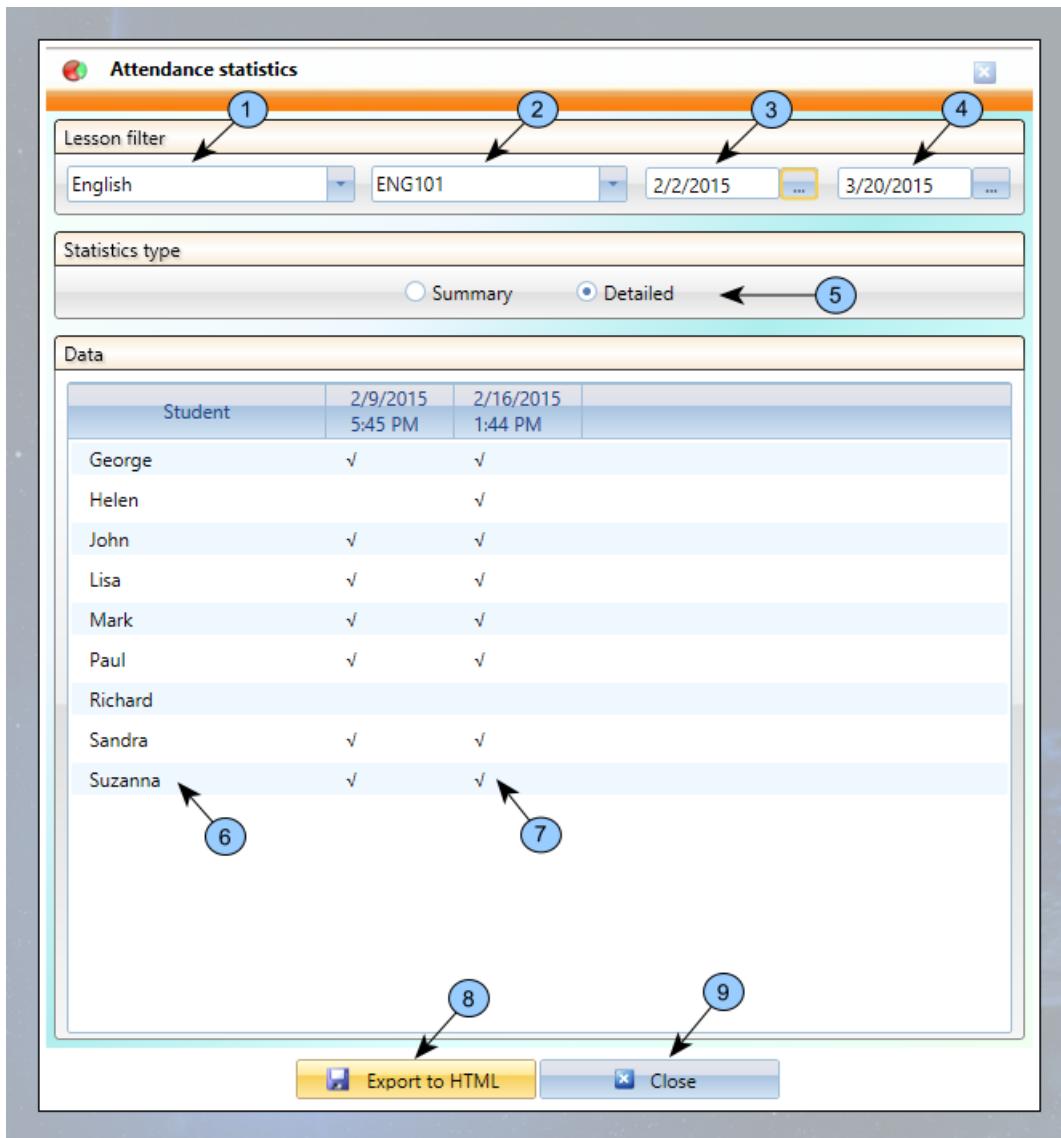


Figure 153: Detailed attendance statistics

Elements of the **Attendance statistics** window displaying **Detailed** statistics:

- 1 Course selection list
- 2 Class selection list
- 3 Start date for filtering
- 4 End date for filtering
- 5 Statistics type selector panel
- 6 Student name
- 7 Attendance record
- 8 Export to HTML button
- 9 Close window button

Summary statistics contains list of students in the class, number of lessons in the specified time interval, number of missed lessons and attendance percentage for each student. **Detailed** statistics contains full attendance records for each student during specified time period.

You can export attendance statistics into a file in HTML format. Press **Export to HTML** and enter file name. After export is completed you will be given an option to view the results in your default browser ([Figure 154: on page 147](#)).

The screenshot shows a window titled "Attendance report". At the top, it displays the teacher's information: Teacher John Smith PhD, Course English, Class ENG101, Period 2/2/2015 ... 3/20/2015, and Statistics type Detailed. Below this is a table of student attendance for two dates:

Student	2/9/2015 5:45 PM	2/16/2015 1:44 PM
George	✓	✓
Helen		✓
John	✓	✓
Lisa	✓	✓
Mark	✓	✓
Paul	✓	✓
Richard		
Sandra	✓	✓
Suzanna	✓	✓

At the bottom of the report, a message states "Report created: 3/19/2015 12:54:49 PM".

Figure 154: Attendance report

Related Links

[Log book](#) on page 139

4.17.4 Performance statistics

Select **Logbook > Performance** from the main menu to view student performance records.

A window will appear on your screen displaying statistics summary. Lessons included in the report can be filtered by course, class, and dates.

You can select **Statistics type** between **Summary** ([Figure 155: on page 148](#)) and **Detailed** ([Figure 156: on page 149](#)).



Figure 155: Summary of performance statistics

Elements of the **Performance statistics** window displaying summary statistics:

- 1 **Course** selection list
- 2 **Class** selection list
- 3 Start date for filtering
- 4 End date for filtering
- 5 **Student** name
- 6 **Cumulative score**
- 7 **Grades recorded**
- 8 **Average grade**
- 9 **Statistics type** selector panel
- 10 **Export to HTML** button

11 Close window button



Figure 156: Detailed performance statistics

Elements of the **Performance statistics** window displaying detailed statistics:

- 1 Course selection list
- 2 Class selection list
- 3 Start date for filtering
- 4 End date for filtering
- 5 Statistics type selector panel
- 6 Student name
- 7 Grade for given date
- 8 Export to HTML button
- 9 Close window button

Summary statistics include list of students in the class; cumulative score, number of recorded grades, and average grade for each student between specified dates. Detailed statistics include student list and individual grades for each student between specified dates.

You can export attendance statistics into a file in HTML format. Press **Export to HTML** and enter file name. After export is completed you will be given an option to view the results in your default browser ([Figure 157:](#) on page 150).

The screenshot shows a window titled "Performance report" with a blue header bar. The header bar includes standard window controls (minimize, maximize, close) and a back/forward button labeled "G:\Nibelung\John Smith". The main content area has a title "Performance report" and a sub-section with teacher information: "Teacher John Smith PhD", "Course English", "Class ENG101", "Period 1/27/2015 ... 2/25/2015", and "Statistics type Detailed". Below this is a table comparing student attendance on two dates:

Student	2/9/2015 5:45 PM	2/16/2015 1:44 PM
George	4	
Helen		4
John		
Lisa	3	5
Mark	3	3
Paul		4
Richard		
Sandra	5	
Suzanna	4	

At the bottom of the report, a message states "Report created: 2/24/2015 1:59:30 PM".

Figure 157: Performance report

Related Links

[Log book](#) on page 139

4.17.5 Class statistics

Select **Logbook > Class stats** from the main menu to display class performance and attendance statistics.

A window will appear on your screen with a list of classes ([Figure 158:](#) on page 151). You can select course and time interval to filter classes displayed in the list. A list of classes with their respective statistical

data will be displayed in the **Class statistics** panel. Statistical data includes number of lessons recorded, attendance percentage, and average grade for each class for the specified time interval.

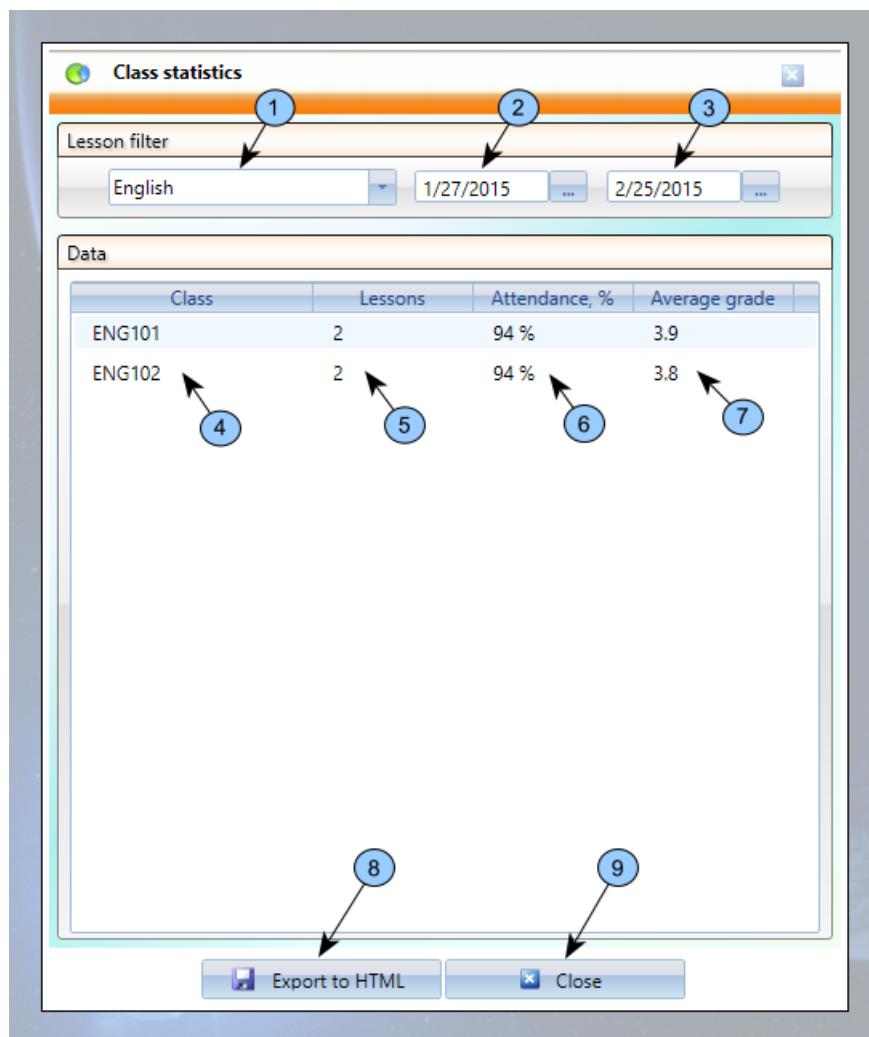


Figure 158: **Class statistics** window

Elements of the **Class statistics** window:

-
- 1 **Course** selection list
 - 2 Start date for filtering
 - 3 End date for filtering
 - 4 **Class**
 - 5 **Lessons** recorded
 - 6 **Attendance** percentage
 - 7 **Average grade** for this class
 - 8 **Export to HTML** button
 - 9 **Close** window button
-

You can export class statistics report into a file in HTML format. Press **Export to HTML** and enter file name. After export is completed you will be given an option to view results in your default browser (*Figure 159*: on page 152).

The screenshot shows a window titled "Class statistics report". At the top, it displays the teacher's information: "Teacher John Smith PhD", "Course English", and "Period 1/27/2015 ... 2/25/2015". Below this is a table showing class attendance and average grades:

Class	Lessons	Attendance, %	Average grade
ENG101	2	94 %	3.9
ENG102	2	94 %	3.8

At the bottom of the report, it says "Report created: 2/24/2015 2:01:55 PM".

Figure 159: Class statistics report

Related Links

[Log book](#) on page 139

4.18 Software updates

Select **Help > Check for updates** from the teacher module main menu to check for available **Dialog Nibelung** software updates.



Attention: The teacher workstation must have Internet access in order to be able to check for available software updates.

When a new version of the software is available for download, a window will appear on your screen informing you on the version of the update and showing a list of new features and bug fixes in it ([Figure 160: on page 153](#)).

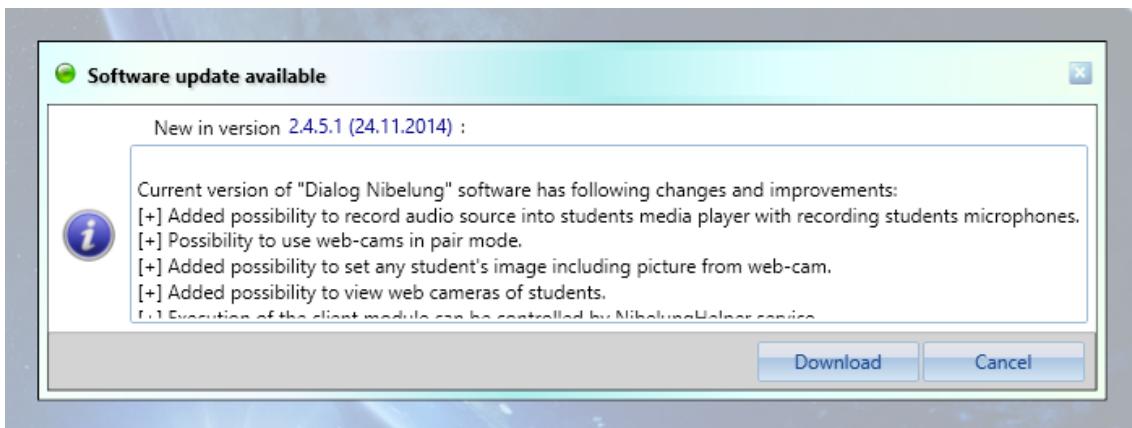


Figure 160: **Software update available** window

Press **Download** button to download new version of the software. A window will appear with a download progress bar ([Figure 161: on page 153](#)).

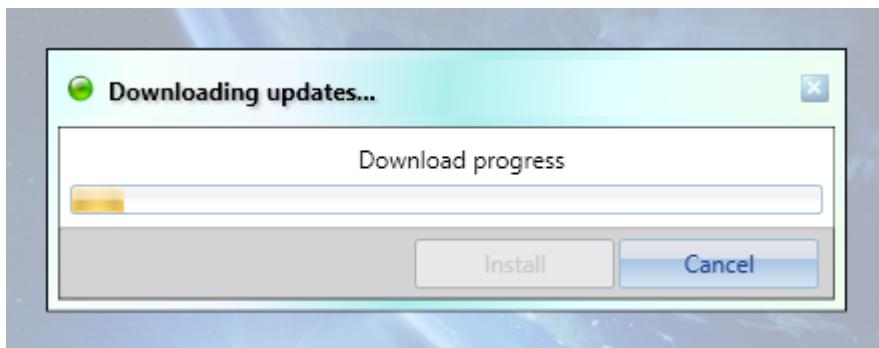


Figure 161: Software update download in progress

Install button in this window becomes enabled after update has been downloaded. Press this button to update the teacher module. After teacher module has been successfully updated, you can update student modules by selecting **Help > Update student modules** from the menu.

Because student workstation may have to be rebooted during the update process, you will need to confirm your intention to proceed with the update of student modules ([Figure 162: on page 153](#)).

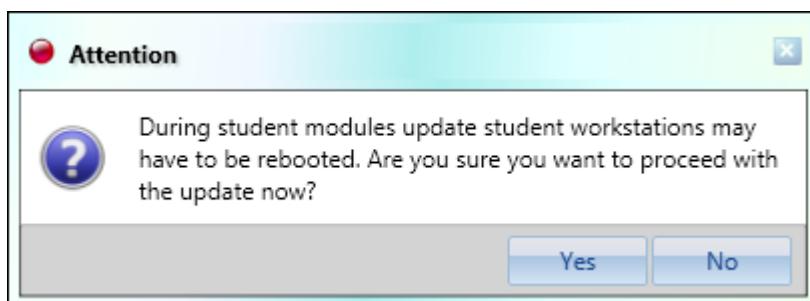


Figure 162: Student modules update confirmation



Attention: Please note that all student modules must be active and in communication with the teacher module to perform their update ([Figure 46: on page 52](#)).

Related Links

[Teacher module](#) on page 51

5. STUDENT MODULE

Student module is a component of **Dialog Nibelung** that runs on the student workstations. Media player is at the core of the student module. The media player allows the students to listen to audio, watch video, and record their own voices from the microphone.

Student module main window ([Figure 163: on page 154](#)) includes the following control elements:

- 1 **Media Player** start button; whenever the media player is active, player controls, master track and student track panels, and a playlist panel will also appear in the window ([Figure 166: on page 156](#));
- 2 **Playback mute** button;
- 3 **Volume** control slider;
- 4 **Microphone mute** button;
- 5 **Disable loopback** button;
- 6 **Microphone level indicator**;
- 7 **Disable microphone level indicator** button;
- 8 **Call teacher** button;
- 9 **Message teacher** button.

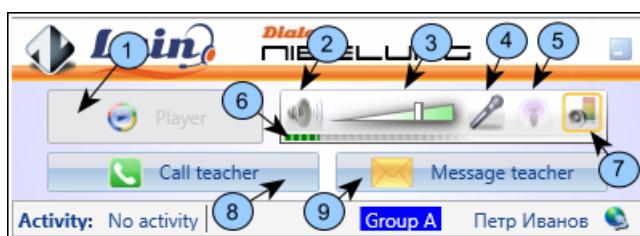


Figure 163: Student module controls



Attention: Please note that the **Disable loopback** button is only available in Windows XP as support for this feature has been eliminated in subsequent versions of Windows.



Attention: Please note that the **Player** button is only enabled when the student module is running in standalone mode, i.e. it is not in communication with the teacher module.

The students can send teacher a message by pressing the **Message teacher** button and entering the message in a window that will appear on their screens ([Figure 164: on page 154](#)).

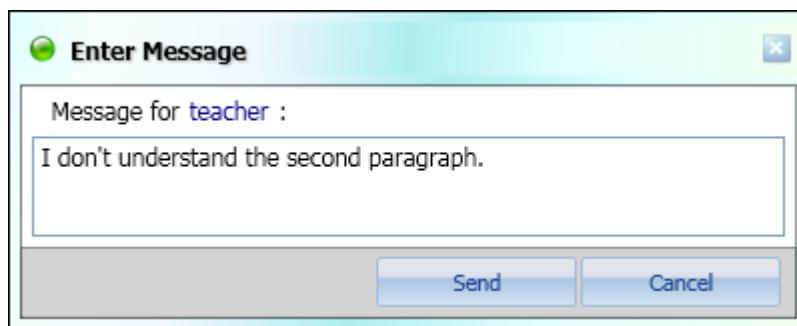


Figure 164: Sending a message to the teacher

Whenever a student uses the **Call teacher** button, his or her student panel in the teacher module window classroom console will indicate the call with a **Help me** bubble and a phone handset icon ([Figure 91: on page 92](#)).

The status bar at the bottom of student module window ([Figure 165:](#) on page 155) displays:

- 1 current activity;
- 2 group affiliation;
- 3 current grade (if exists);
- 4 student seat ID or student name;
- 5 online/offline status icon (whether in communication with the teacher module or not).

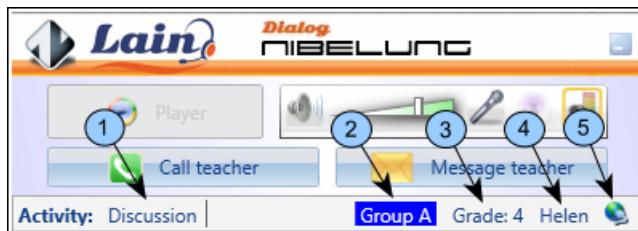


Figure 165: Student module status bar

Related Links

[Media player](#) on page 155

5.1 Media player

The (media player) can play back **WAV**, **MP3**, **WMA** and **NMF** (**Dialog Nibelung** proprietary format) files, as well as video files in many common formats.



Tip: *NMF files are audio files containing master track and student track in MP3 format, file description, bookmarks, and subtitles.*

Elements of the media player window ([Figure 166:](#) on page 156):

- 1 player control buttons ([Figure 172:](#) on page 160);
- 2 master track and student track panels ([Figure 167:](#) on page 156);

3 playlist panel ([Figure 168: on page 158](#)).

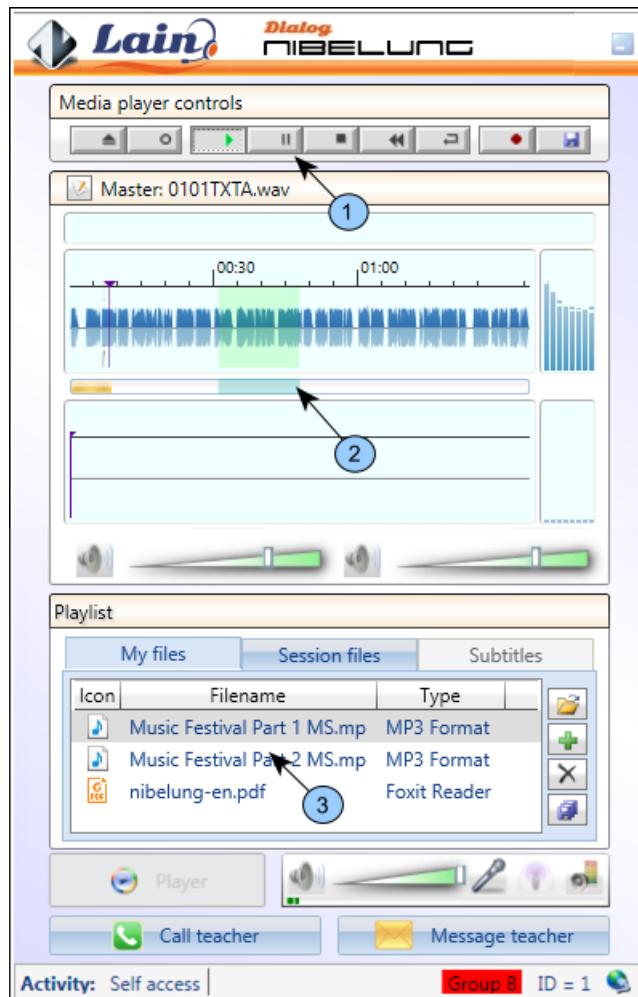


Figure 166: Student module window with media player active

Related Links

[Student module](#) on page 154

[Playlist](#) on page 156

[Master track and student track](#) on page 157

[Bookmarks](#) on page 159

[Media player controls](#) on page 160

[Video playback](#) on page 161

[Subtitles](#) on page 162

5.1.1 Playlist

The playlist panel contains three tabs: **My files**, **Session files** and **Subtitles**.

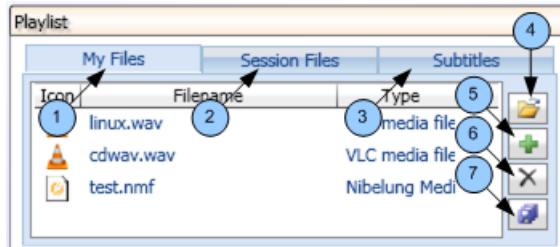


Figure 167: Playlist panel

Elements of the playlist panel:

-
- 1 **My files** tab
 - 2 **Session files** tab
 - 3 **Subtitles** edit tab
-

Session files tab contains a list of files received from the teacher module as a part of classroom activity or assignment.

Each student can also have their own playlist, which is located in the **My files** tab. Whenever this tab is active, several additional controls appear in the panel:

-
- 4 open playlist;
 - 5 add file to playlist;
 - 6 remove file from playlist;
 - 7 save playlist on the student workstation.
-

Files can be loaded into the media player in one of the following ways:

- using the **Open media file** button in the media player control panel (see [Media player controls](#) on page 160);
- double click on a file in the **My files** playlist tab;
- double click on a file in the **Session files** playlist tab;
- remotely from the teacher workstation (see [Media sources](#) on page 128).



***Tip:** Files listed in the **Session files** tab are downloaded from the teacher workstation on demand, i.e. only when they are actually accessed.*

Related Links

[Media player](#) on page 155

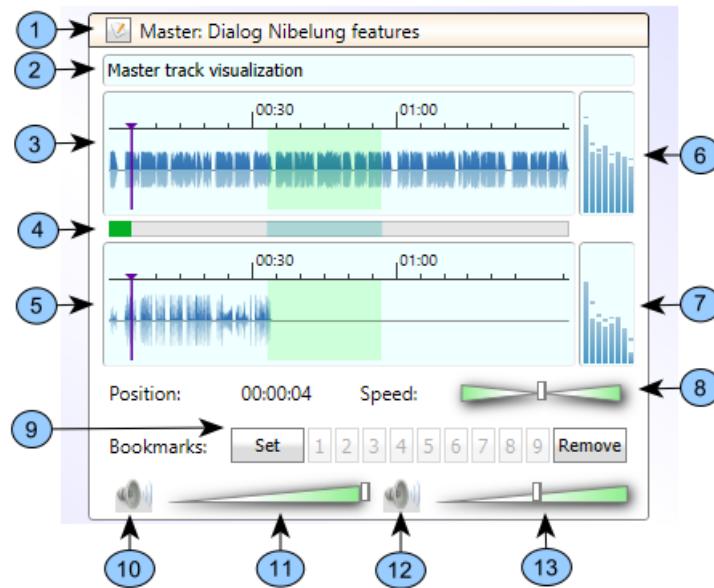
5.1.2 Master track and student track

Dialog Nibelung media player supports two separate audio tracks: the master track and the student track. Master track can contain any type of audio program from a file. Student track is typically used to record student's voice and compare it to the master track.



***Important:** Student track can only be recorded from the student microphone and saved as an **NMF** file. It can not be imported from a **WAV** or **MP3** file.*

After a file is open in the media player, its name will appear in the panel header and track waveforms will be visualized in the panel (1 and 2 in [Figure 168: on page 158](#)).



[Figure 168: Master and student tracks panel](#)

Elements of the master and student tracks panel:

-
- 1 Edit file description button
 - 2 Subtitles display panel
 - 3 Master track visualization
 - 4 Current position slider
 - 5 Student track visualization
 - 6 Master track spectrum
 - 7 Student track spectrum
 - 8 Playback speed
 - 9 Bookmark control buttons
 - 10 Mute master track
 - 11 Master track volume
 - 12 Mute student track
 - 13 Student track volume
-

Use the current position slider (3) to jump to different fragments of the video or audio.

Whenever a student track is present, any operation on the media file (playback start/stop/pause, repositioning, fragment selection, etc.) will be performed simultaneously on both master and student tracks.

The player has controls for independent volume adjustment (7 and 9) and muting (6 and 8) of both tracks, and playback speed adjustment (5, works in sync for both tracks).



Important: *Audio visualization and playback speed adjustment are not available during video playback.*

Use the edit button (10 in [Figure 168: on page 158](#)) to edit description of the current file or assignment ([Figure 169: on page 159](#)). The description will be saved along with audio/video data when the file is

saved in **NMF** format. This description will be displayed in place of the file name in the master/student tracks panel title bar.

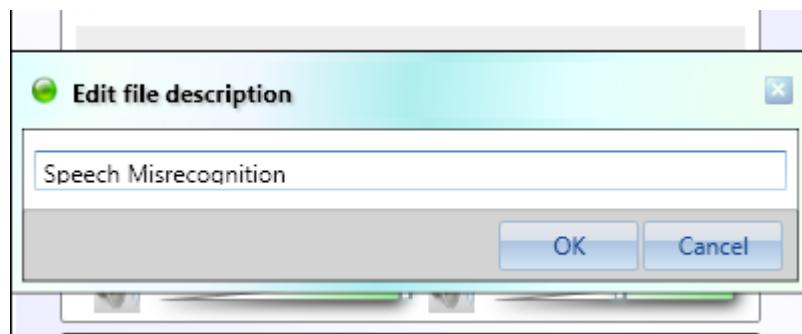


Figure 169: **Edit file description** window

Related Links

[Media player](#) on page 155

5.1.3 Bookmarks

You can set bookmarks on the master track for easy access to certain playback positions.

Use the **Set** button to set up to 9 bookmarks per file. Each bookmark will be set at the current playback position. A new bookmark will get the first available number and the corresponding number button will become available. Press that button to instantly jump the playback to the bookmark position. Press **Remove** button, followed by a number button to remove the bookmark.



Attention: Please note that only those number buttons that correspond to set up bookmarks are enabled in the player.

You can also assign a name to a bookmark. Press **Ctrl** on your keyboard and click on the bookmark number button to enter the name.

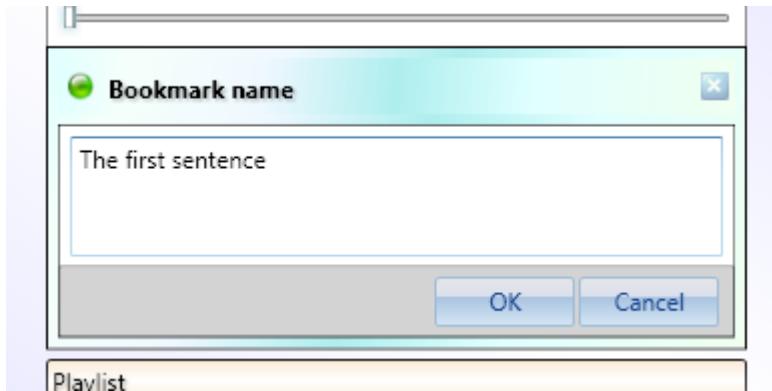


Figure 170: Editing a bookmark name

Hover the mouse pointer over a bookmark number button and the bookmark position and name will be displayed in a floating panel.



Figure 171: Bookmark position and name display

Related Links

[Media player on page 155](#)

5.1.4 Media player controls

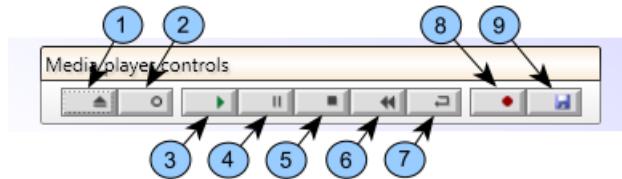


Figure 172: Media player controls

Media player controls ([Figure 172: on page 160](#)) with available keyboard shortcuts in parentheses:

- 1 **Open (Ctrl+O)** - open a media file.
- 2 **Clear** - clear master and student tracks.
- 3 **Play (Ctrl+P)** - start playing the media.
- 4 **Pause (Ctrl+U)** – pause media playback.
- 5 **Stop (Ctrl+S)** – stop media playback.
- 6 **Rewind (Ctrl+W)** – set current position to the beginning of the file.
- 7 **Repeat (Ctrl+R)** – repeat selected fragment in a loop. Click and drag the mouse pointer on the visualization of either master or student track to select a fragment. Selected fragment will be marked in contrasting color.
- 8 **Record (*)** – record student voice from the microphone. This button will stay depressed upon activation, master track will start playing and the student voice will be recorded to the student track. Press this button again to stop the recording.
Save - save file. You will be presented with the six options:
 - save both master track and student track in one file in **MP3** format;
 - save student track in **WAV** format;
 - 9 • save student track in **MP3** format;
 - save master track in **WAV** format;
 - save master track in **MP3** format;
 - save both tracks, subtitles, bookmarks, and description in **Dialog Nibelung NMF** format.

Related Links

[Media player on page 155](#)

5.1.5 Video playback

An additional window displaying the video will open during video playback in the media player ([Figure 173: on page 161](#)).

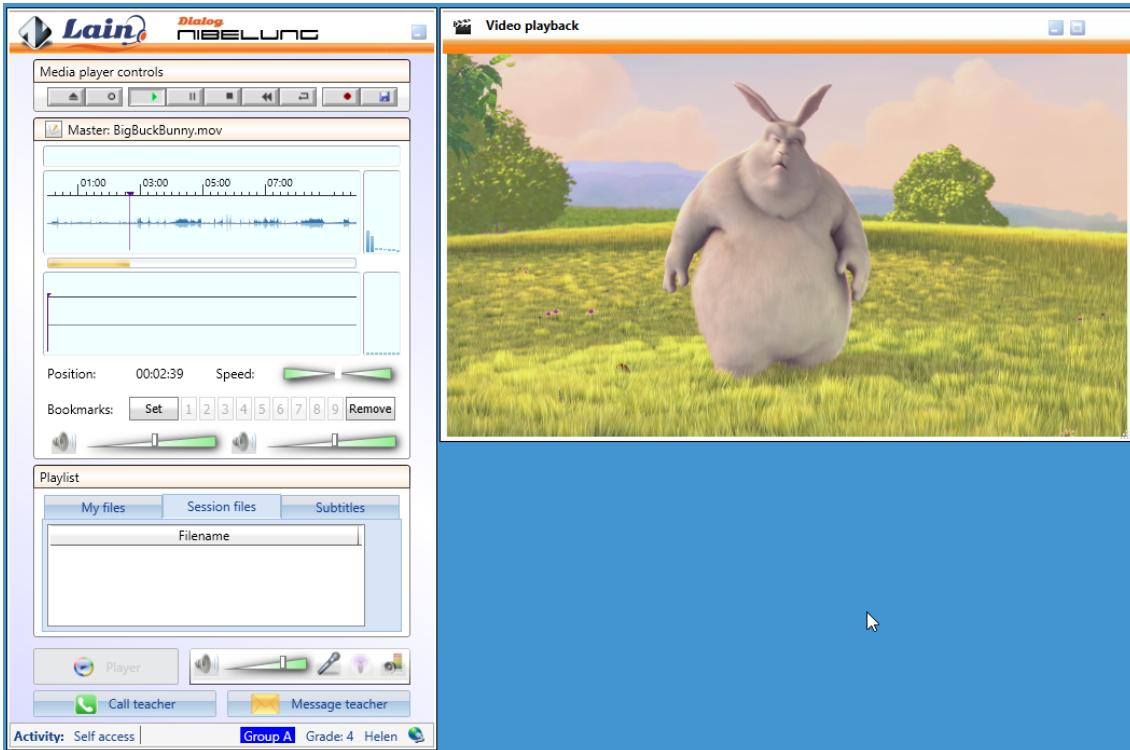


Figure 173: Media player with the **Video playback** window

Right click on the **Video playback** window and select a value from the pop-up menu to resize the video ([Figure 174: on page 161](#)). The window will be automatically resized to fit the video.

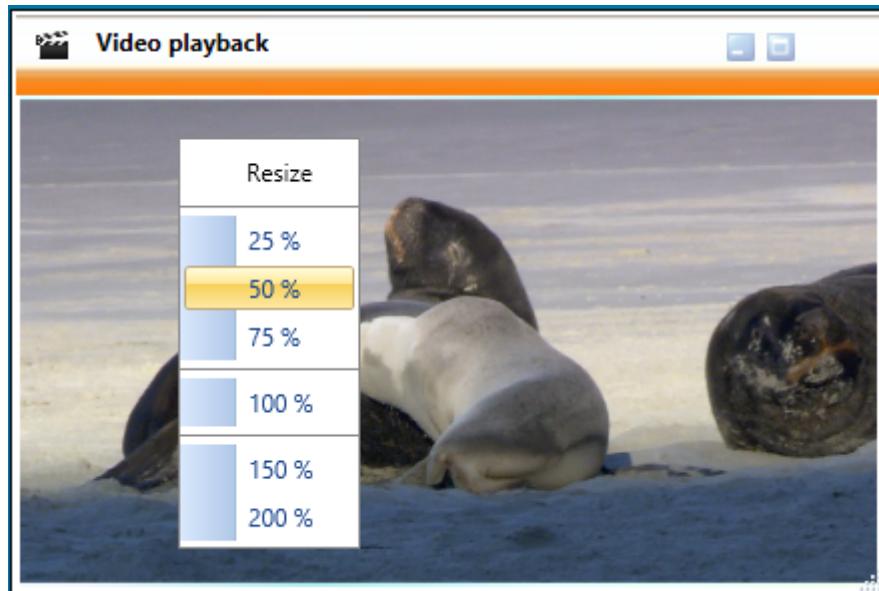


Figure 174: Resizing video playback

Double click on the video playback window to reset video size back to 100%. A second double click will restore size of the video to the value set via the pop-up menu.

Related Links

[Media player](#) on page 155

5.1.6 Subtitles

An audio track can have subtitles associated with it to help students understand what was said. During playback subtitles will be displayed in an overlay on the master track visualization (Figure 175: on page 162).

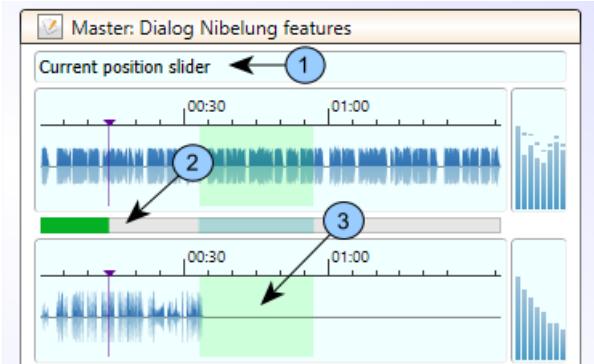


Figure 175: Subtitles display in the master track panel

Elements of the subtitle display:

-
- 1 Subtitle overlay
 - 2 Playback position slider
 - 3 Selected fragment
-

Tip: If a subtitle text is too long to fit the panel, it will appear as scrolling line.



Select the **Subtitles** tab in the media player window (Figure 176: on page 162) to edit the subtitles. A list of subtitles will be displayed in the playlist panel. The first and second columns indicate subtitle display start and end time, third column displays the subtitle text. Subtitle **add** and **delete** buttons are on the right of the list.



Figure 176: List of subtitles

Elements of the list of subtitles:

-
- 1 **Start time** field
 - 2 **End time** field
 - 3 **Subtitle text** field
 - 4 **Add** subtitle button
 - 5 **Delete** subtitle button
-

You can add a subtitle in one of the two ways:

- Select a media file fragment by dragging the mouse pointer (Figure 175: on page 162) and press the **+** button or double click on an empty space in the subtitle list. Subtitle start and finish times will be set automatically to the boundaries of the selected fragment.

- Position the slider to the where you want the subtitle to start and press the + button or double click on an empty space in the subtitle list. The new subtitle start time will be set to the slider position, while its end time will be set to 00:00.

Enter the subtitle text into the list.



Tip: Subtitle end time equal to 00:00 means that it will be displayed until the end of the track.



Important: If a new subtitle cuts into another subtitle display time that is marked as ending at 00:00 (end of the track), that other subtitle end time will be automatically adjusted to the start time of the new subtitle.

Select a subtitle in the list to edit the start time, end time and text fields.



Tip: Upon selection of a subtitle for editing, corresponding track fragment becomes selected in the master track panel (except for subtitles ending at 00:00), and current playback position will also be set to the start of the subtitle.

Select a subtitle in the list and press the **Delete** button or **Del** on your keyboard to delete the subtitle.



Important: For correct display of the subtitles start and end times of different subtitles should not overlap.



Important: Subtitles can be reused whenever the media file is saved in a **Dialog Nibelung NMF** file.

Related Links

[Media player](#) on page 155

6. DIALOG NQUIZ

Dialog NQuiz is a software based general purpose quiz system which can be used for testing students in various areas, not necessarily limited to the language courses. **Dialog NQuiz** is shipped as an integrated part of **Dialog Nibelung**.

Dialog NQuiz includes **Quiz Builder** for creating tests and **Quiz Player** for conducting the tests. Test results can be displayed via the **Quiz Administrator** module and are automatically imported into **Dialog Nibelung** class log book upon conclusion of a lesson.

Related Links

- [Quiz Builder](#) on page 164
- [Quiz Player](#) on page 180
- [Viewing test results](#) on page 187

6.1 Quiz Builder

Quiz Builder ([Figure 177:](#) on page 164) is a software module for creation of interactive multimedia tests consisting of different types of questions that may contain formatted text with hyperlinks, audio and video media.

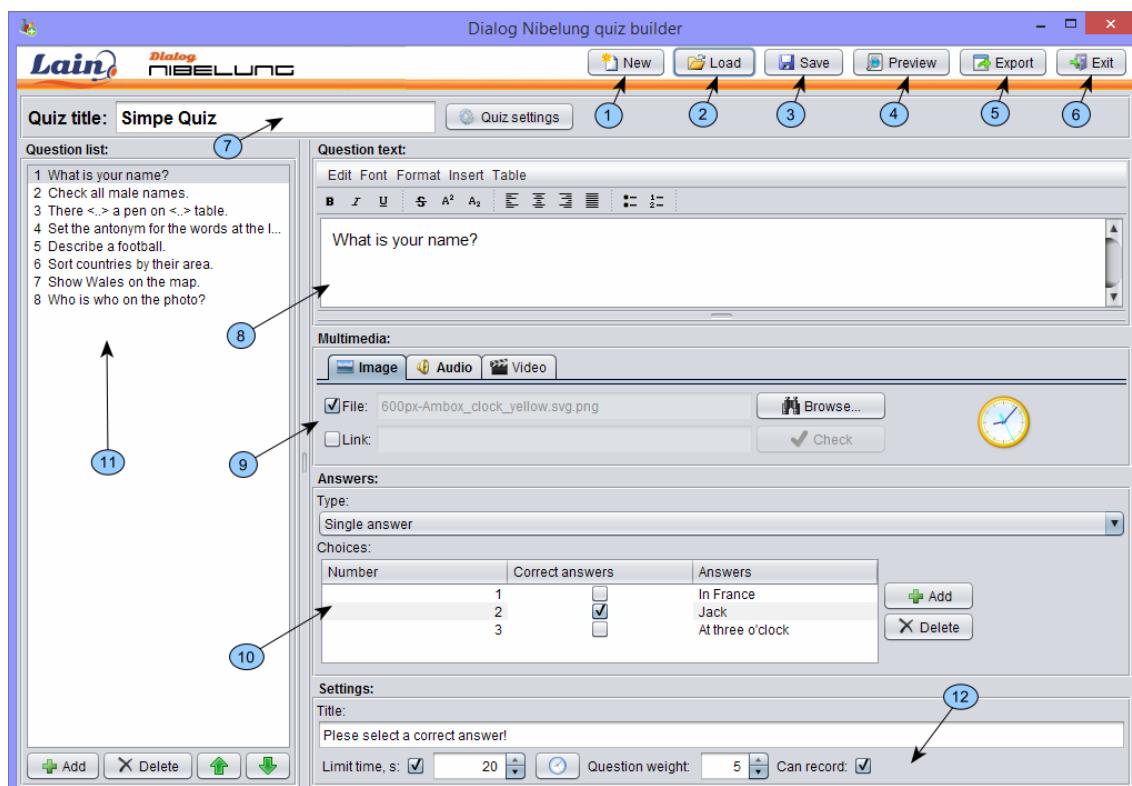


Figure 177: **Quiz Builder** window

Elements of the **Quiz Builder** window:

- 1 **New** - create a new quiz.
- 2 **Open** - open a previously saved **.nqf** Nibelung quiz file.
- 3 **Save** - save current quiz as a **.nqf** Nibelung quiz file.
- 4 **Preview** - preview current quiz as it would appear on the student workstations.
- 5 **Export** - export current quiz to an **HTML** file.

-
- 6 **Exit** - exit the **Quiz Builder**.
 - 7 Quiz title
 - 8 Question editor
 - 9 Multimedia panel
 - 10 Answers panel
 - 11 Question list panel
 - 12 Question settings panel
-



Important: Quiz preview will be started from the question selected in the list (11).

You can edit the quiz title in the corresponding field of the window ([Figure 178:](#) on page 165). Quiz title will be displayed at the top of the quiz when viewed on student workstations.



Figure 178: Quiz title panel

Elements of the quiz title panel:

-
- 1 Title text edit field
 - 2 **Quiz settings** button
-

Press the **Quiz settings** button to open a **Quiz settings** window ([Figure 179:](#) on page 166) where you can change settings common for the whole quiz:

- quiz description;
- course;
- quiz author;
- maximum grade;
- quiz time limit in minutes;
- enforce question order so that students can not go back and change their answers;
- randomize question order;
- allow the students to see detailed results (individual questions) after they complete the test; otherwise, only the quiz summary will be shown ([Figure 209:](#) on page 185);

- provide instant feedback to students for correctness of their answers so they can make another attempt.

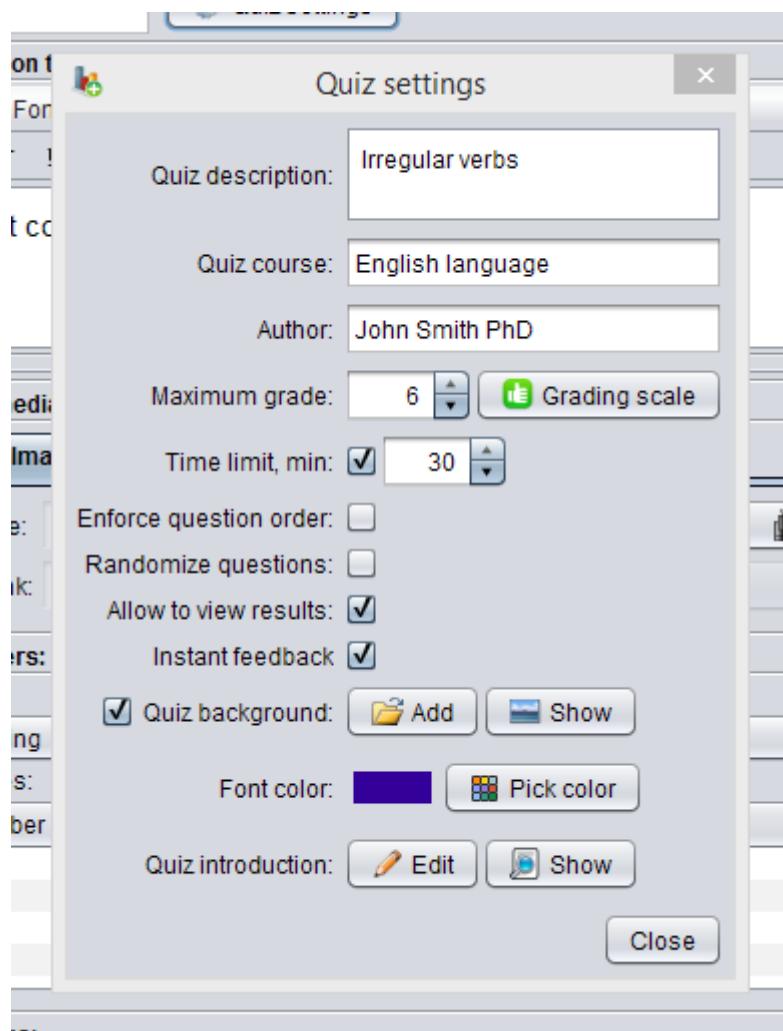


Figure 179: Quiz settings window



Important: Whenever **Enforce question order** option is selected, the students must answer to every question in exact order the questions are presented. They will not be able to go back and correct their answers (**Previous** button in the **Quiz Player** will be disabled).



Tip: **Enforce question order** option may be useful, for example, when subsequent questions contain answers to the previous questions of the quiz.

Press the **Grading scale** button to open a window (Figure 180: on page 167) where you can set the grades corresponding to different raw percentage scores on the quiz. Double click on a grade to change its presentation (e.g. alphabetical from numerical).

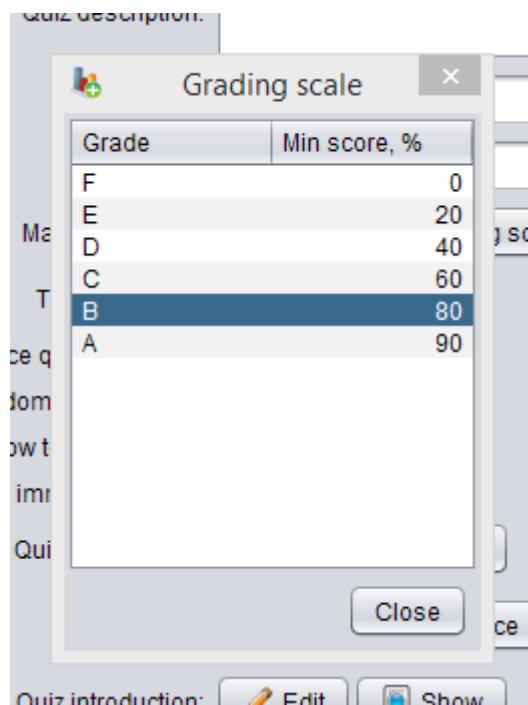


Figure 180: **Grading scale** window

You can also set a background image for the quiz. Press **Add** located in the **Quiz background** field and select an image file to be used as a background. Press the **Show** button to preview selected image on your screen.



Important: The background image will be previewed using the default image viewer software on your system.

Press the **Pick color** button located in the **Font color** field to set default font color for the quiz.

Press the **Edit** button located in the **Quiz introduction** field to edit an introductory text for the quiz (Figure 181: on page 167).

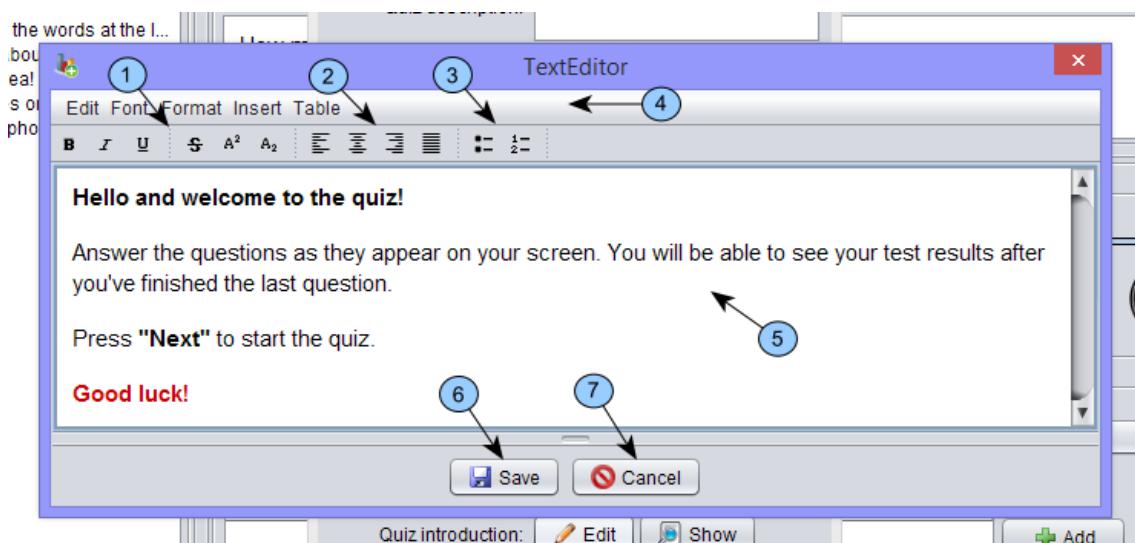


Figure 181: Quiz introduction editor window

-
- 1 Character format buttons
 - 2 Text alignment buttons
 - 3 List type buttons
 - 4 Editor menu
 - 5 Text entry field
 - 6 Save the quiz introduction button
 - 7 Cancel button
-



Tip: The quiz introduction editor is a simple visual **HTML** editor equipped with common text formatting functions and capable of handling hyperlinks, images, tables, etc.

Press the **Show** button located in the **Quiz introduction** field ([Figure 179: on page 166](#)) to preview the introduction text as it will appear on student screens.

Question list panel is located on the left of the **Quiz Builder** window ([Figure 182: on page 168](#)).



Figure 182: **Question list** panel



Important: Questions appear in the list in the same order as they will appear in the quiz.

This list is used for organizing the order of questions in the quiz as well as quick access to editing a particular question.

Press **Add** button to add a question to the quiz.

Press **Delete** button to remove a question from the quiz.

Select a question and press **Up** and **Down** buttons to reorder the questions.

A simple **HTML** editor is provided in the question edit panel similar to the quiz introduction editor ([Figure 181: on page 167](#)). The editor is equipped with common text formatting functions and is capable of handling hyperlinks, images, tables, etc.

Quiz Builder allows you to insert images, audio, and video into the quiz questions by using corresponding tabs on the **Multimedia** panel: **Image** ([Figure 183: on page 169](#)), **Audio** ([Figure 184: on page 169](#)), and **Video** ([Figure 185: on page 169](#)).



Figure 183: Inserting image



Figure 184: Inserting audio

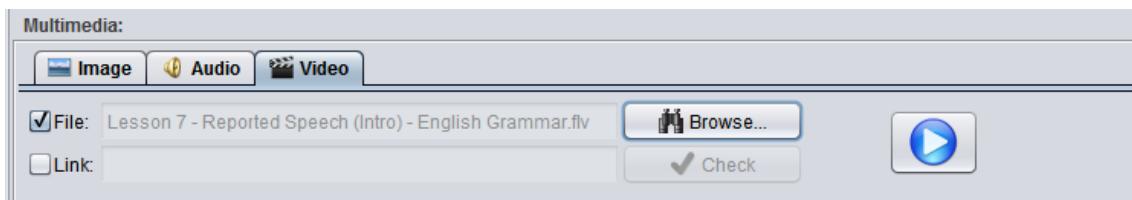


Figure 185: Inserting video

Each of these tabs has **File** and **Link** radio buttons with their associated entry fields, as well as **Browse** and **Check** buttons.

An image, an audio, or a video can be inserted either as a file or a hypertext link reference.

Check the **File** box and press **Browse** button to select a file, or enter the file name manually into the field to insert a file.

Check the **Link** box and enter the link URL onto the box to insert a hypertext link. You can validate the URL by pressing the **Check** button.



Tip: By using hypertext links instead of files you can drastically reduce quiz file size. Hypertext links allow you to use any resource available on the local network or the Internet. Please note that students must be able to access the Internet when taking a quiz that uses links to the Internet.

A thumbnail image of the inserted graphics will be displayed on the right hand side of the **Multimedia** panel ([Figure 183: on page 169](#)). For audio and video, a playback button will appear in the same place ([Figure 184: on page 169](#) and [Figure 185: on page 169](#)).

You can specify the following parameters for each question individually in the question settings panel ([Figure 186: on page 170](#)):

- question title;
- optional time limit in seconds (can not exceed total limit for the quiz (see [Figure 179: on page 166](#));
- question weight in the overall quiz score;

- option for an oral answer (recorded from the student microphone).

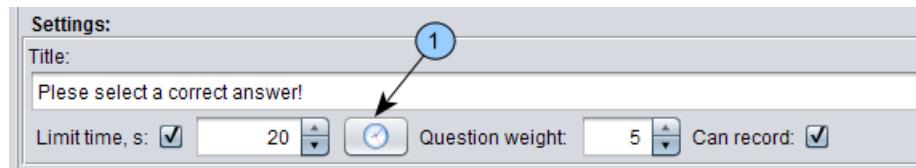


Figure 186: Question settings panel



Tip: Whenever **Time limit** option is selected, **Set equal time limit for all questions** button in the settings panel (1 on Figure 186: on page 170) becomes enabled. Press this button to set equal time limits for all question in the quiz.



Attention: Please note that if **Time limit** option was set for the whole quiz (Figure 179: on page 166), then individual question time limits will have no effect.

You can use several types of question on the quiz:

- multiple choice single answer;
- multiple choice multiple answers;
- fill in the blank spaces;
- relations;
- ranking;
- image hot spots;
- drag and drop labels;
- open question;
- dummy question (does not require students to give an answer and can be used to convey to them some information).

All types of questions will be scored on an all-or-nothing basis, i.e. the question will receive a full score only when a correct and complete answer is provided. Partially correct answers will score zero.

The look and feel of the **Answers** panel depends on the selected type of the question and is described in the following sections.

Related Links

[Dialog NQuiz on page 164](#)

[Single answer questions on page 170](#)

[Multiple answer questions on page 171](#)

[Fill in the blanks on page 172](#)

[Relations on page 173](#)

[Ranking on page 174](#)

[Image hot spots on page 175](#)

[Drag and drop labels on page 177](#)

[Open question on page 180](#)

6.1.1 Single answer questions

A single answer question is a multiple choice question where students can select only one answer.

These types of question will be presented to the students as shown in [Figure 187](#): on page 171 .

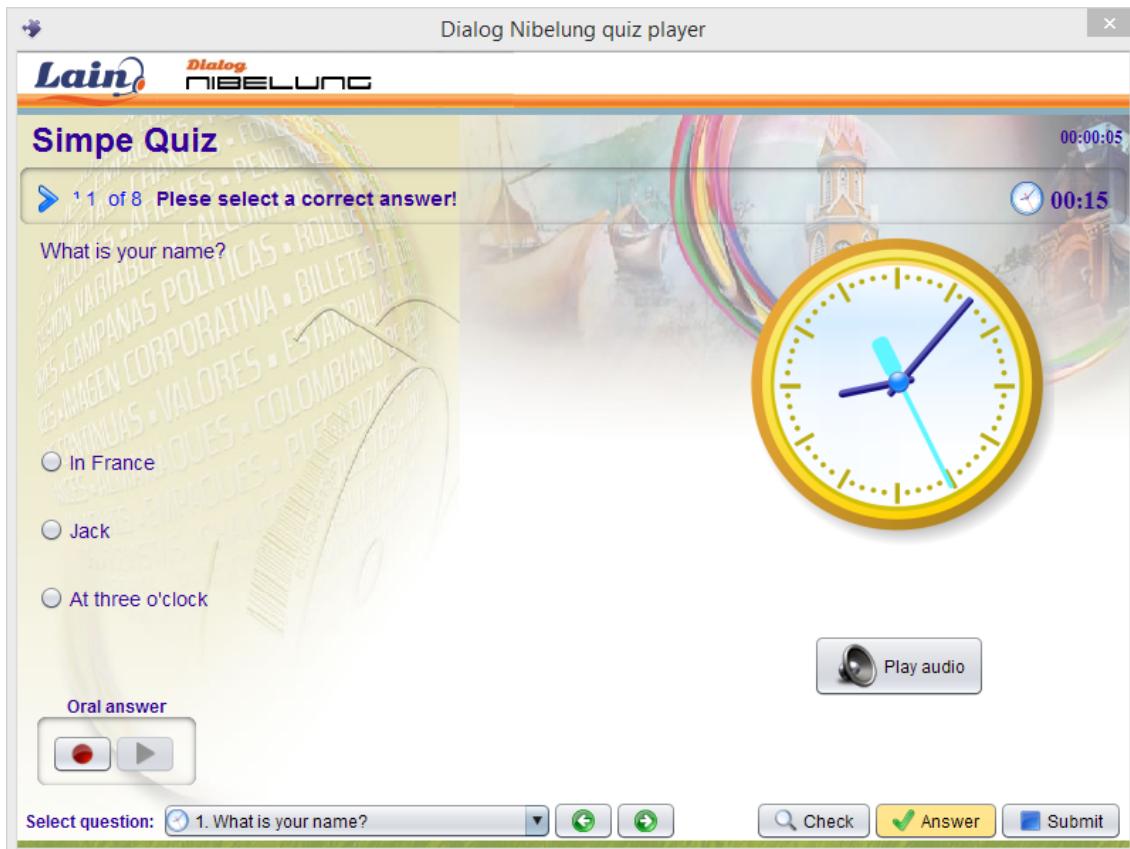


Figure 187: **Quiz Player:** Single answer questions

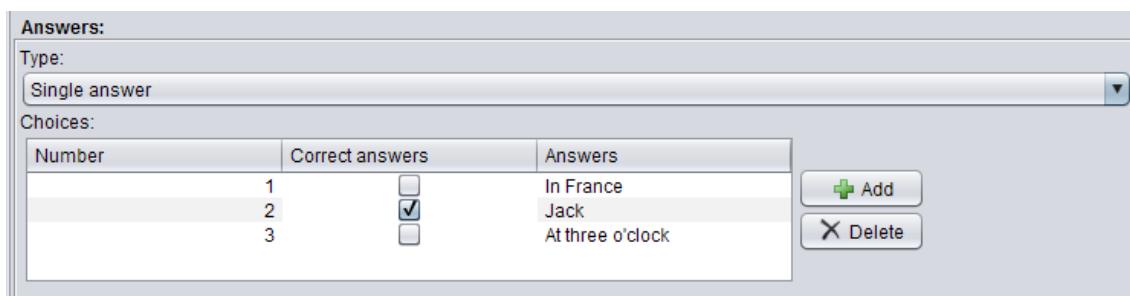


Figure 188: **Quiz Builder:** Single answer

For this type of questions the **Answers** panel in the **Quiz Builder** window will include a list of answer choices on the left and **Add** and **Delete** buttons on the right. Use these buttons to add or remove answer choices. A blank line will appear in the list upon pressing the **Add** button. Click on the **Answers** field to enter the answer text.

After entering all the choices, check the box next to the correct answer in the **Correct answers** column.

Related Links

[Quiz Builder](#) on page 164

6.1.2 Multiple answer questions

A multiple answer question is a multiple choice question where students can select more than one answer. The question will receive full score only when all correct answers have been selected.

These types of question will be presented to the students as shown in: [Figure 189:](#) on page 172 .



Figure 189: **Quiz Player:** Multiple answer questions

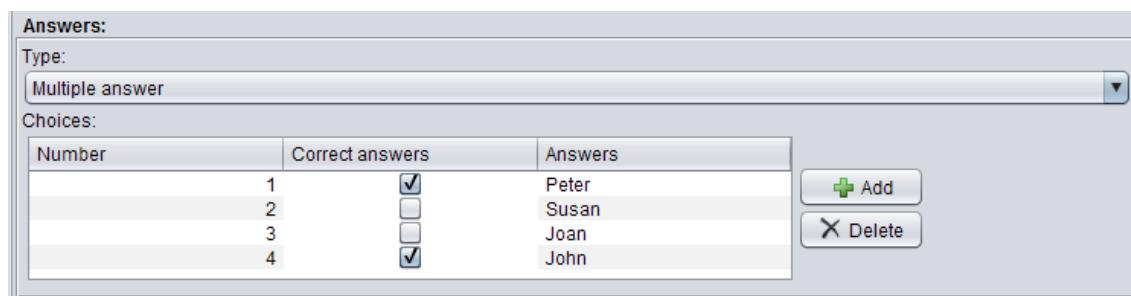


Figure 190: **Quiz Builder:** Multiple answer

For this type of questions the **Answers** panel in the **Quiz Builder** window will include a list of answer choices on the left and **Add** and **Delete** buttons on the right. Use these buttons to add or remove answer choices. A blank line will appear in the list upon pressing the **Add** button. Click on the **Answers** field to enter the answer text.

After entering all the choices, check boxes next to all correct answers in the **Correct answers** column.

Related Links

[Quiz Builder](#) on page 164

6.1.3 Fill in the blanks

Fill in the blanks is a type of question where students must fill in the blanks in a given text. Multiple correct options may be specified for each blank. This question will receive full score when every blank is filled in with one of the correct options.

These types of question will be presented to the students as shown in [Figure 191:](#) on page 173 .

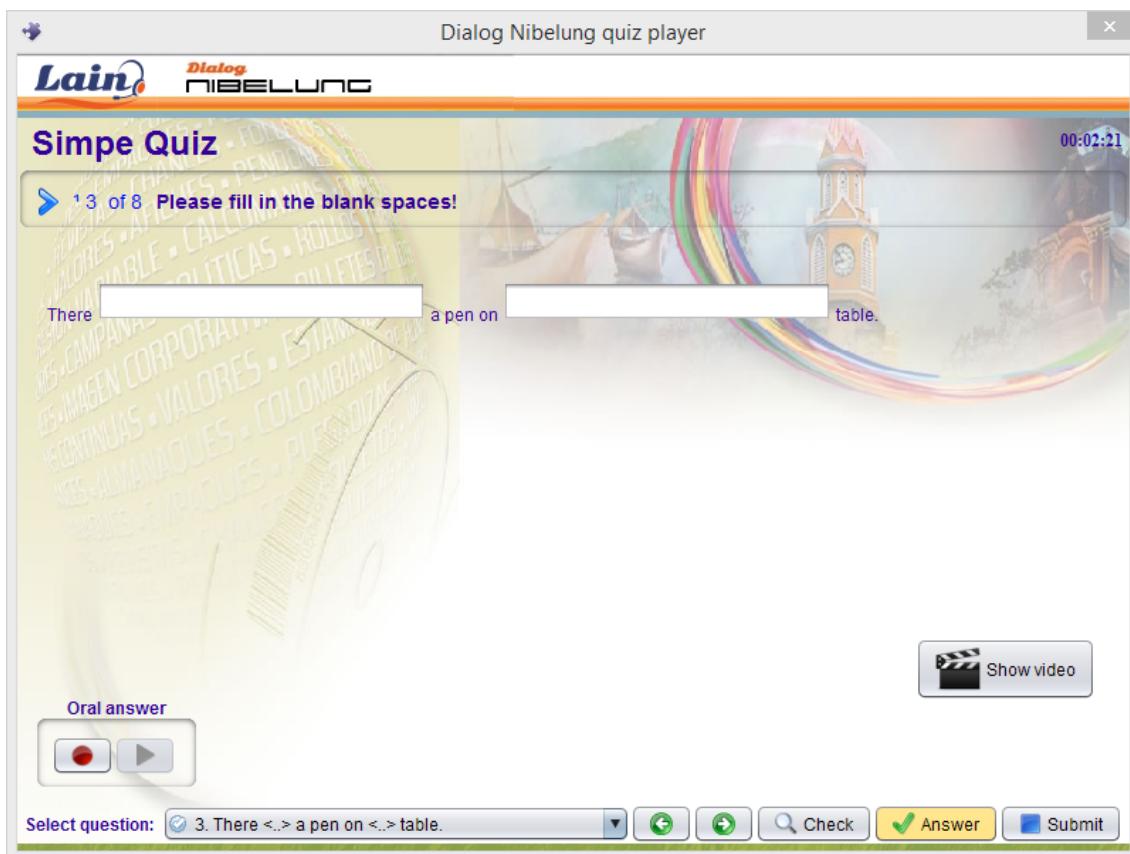


Figure 191: **Quiz Player:** Fill in the blanks

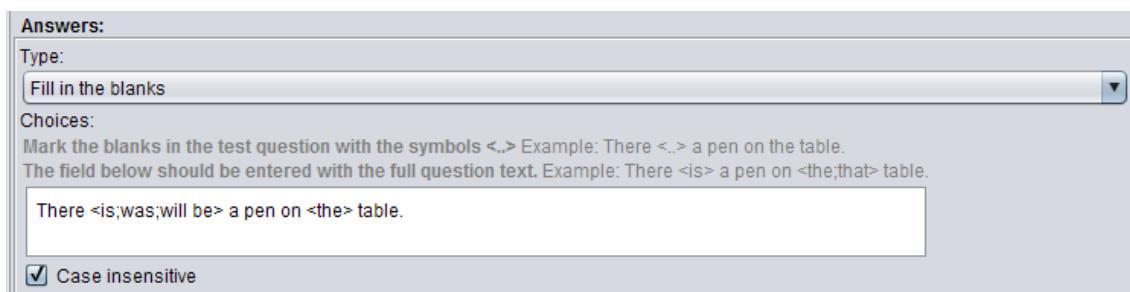


Figure 192: **Quiz Builder:** Fill in the blanks

Select **Fill in the blanks** as the question type and enter the text into the editor panel ([Figure 181:](#) on page 167) marking the blanks with <..> symbols.

Enter the correct fill-in text between the < and >. Multiple options can be specified by separating them with a semicolon, for example <dog;cat>.

Related Links

[Quiz Builder](#) on page 164

6.1.4 Relations

Relation type questions require the students to match items from two lists to each other.

These types of question will be presented to the students as shown in [Figure 193](#): on page 174 .

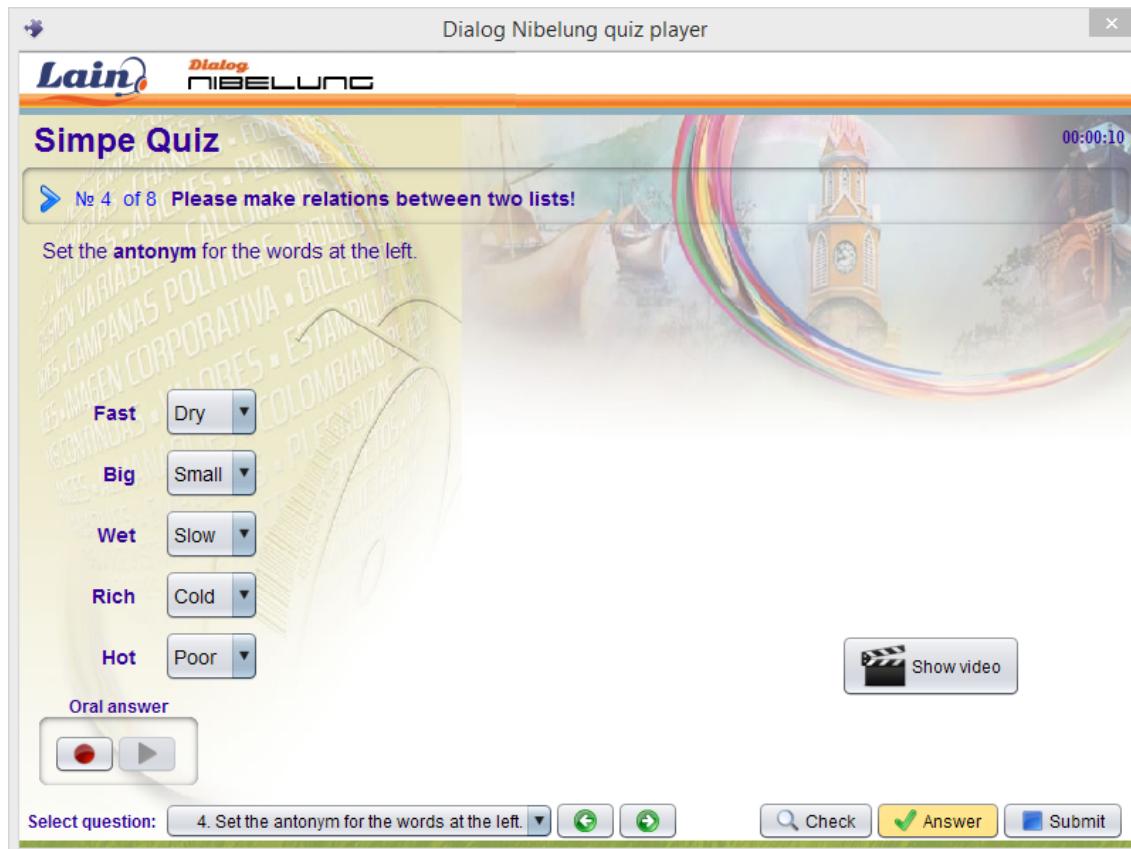


Figure 193: Quiz Player: Relations

The screenshot shows the "Answers" panel of the Quiz Builder. The "Type" is set to "Relations". Under "Choices", there is a table with two columns, "List A" and "List B", containing the following pairs:

Number	List A	List B
1	Hot	Cold
2	Wet	Dry
3	Big	Small
4	Rich	Poor

On the right side of the table are "Add" and "Delete" buttons.

Figure 194: Quiz Builder: Relations

When **Relations** is selected as the question type, the **Answers** panel will include a list of matched pairs on the left and **Add** and **Delete** buttons on the right. Use these buttons to add or remove items to the list.

Click on the fields in **List A** and **List B** columns to enter or edit the text.

Related Links

[Quiz Builder](#) on page 164

6.1.5 Ranking

Ranking type questions require the students to rank items in the list according to a certain criteria.

These types of question will be presented to the students as shown in [Figure 195](#): on page 175 .



Figure 195: **Quiz Player:** Ranking



Figure 196: **Quiz Builder:** Ranking

the **Answers** tab will contain a list of items on the left and **Add** and **Delete** button on the right. Use the buttons to add to or remove items from the list.

Click on the fields in the **Answer** column to enter or edit the items.



Important: *The order in which items appear on the list is the ranking order against which this question will be scored.*

Related Links

[Quiz Builder](#) on page 164

6.1.6 Image hot spots

Image hot spots is a type of visual question where students must click on an area of an image that corresponds to a correct answer (the hot spot). Several areas can be marked on the image, with several of them being the correct ones. All those areas must be picked out for the answer to be considered correct.

These types of question will be presented to the students as shown in *Figure 197*: on page 176 .



Figure 197: **Quiz Player:** Image hot spots



Figure 198: **Quiz Builder:** Image hot spots

Use the **Browse** button in the **Quiz Builder Answers** panel to select a graphic file. Press the **Select hot spots** button to open the spot editor.

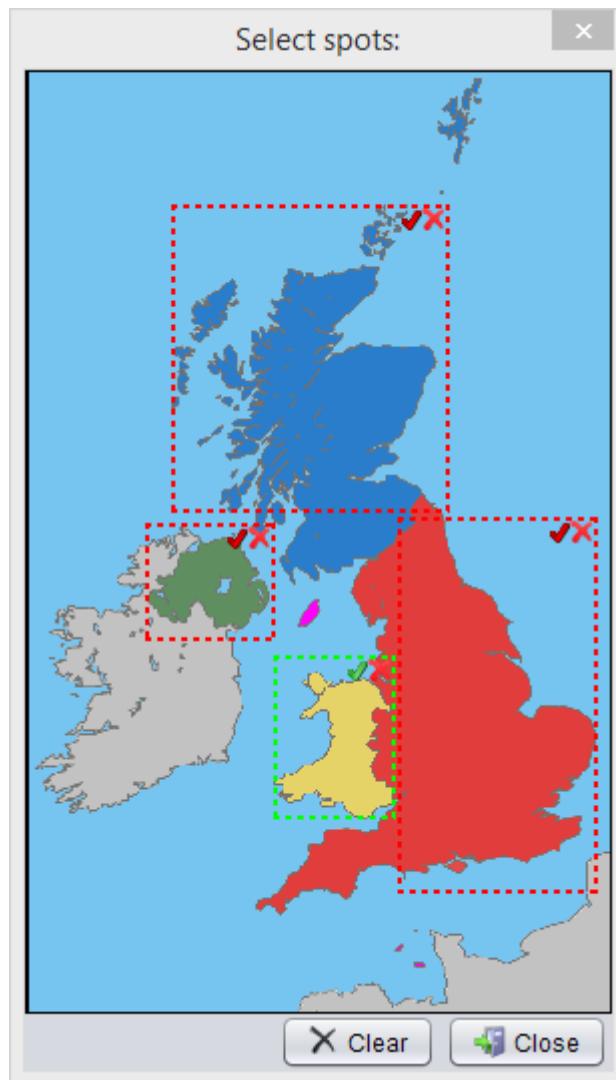


Figure 199: Spot editor window

Click on the image in the spot editor and drag the mouse pointer to select an area. The area will be marked with a dashed line, green for a correct spot and red otherwise. Click on the check mark in the upper right corner of the area to switch its type. Click on the red x mark to delete the area.

Related Links

[Quiz Builder](#) on page 164

6.1.7 Drag and drop labels

For the **Drag and drop labels** types of questions students must drag text labels and drop them on certain areas of an image. All areas have to be labeled correctly in order for the answer to be correct.

These types of question will be presented to the students as shown in *Figure 200*: on page 178 .

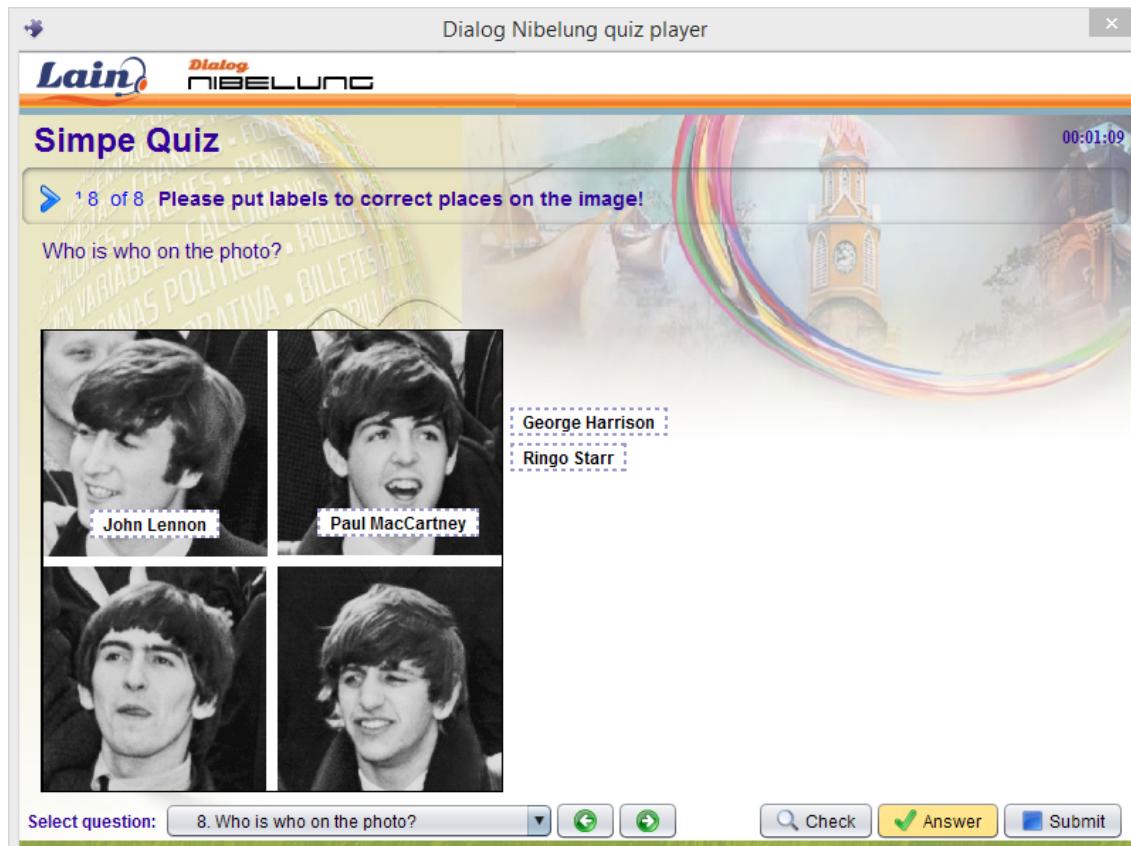


Figure 200: **Quiz Player:** Drag and drop labels



Figure 201: **Quiz Builder:** Drag and drop labels

Use the **Browse** button in **Quiz Builder Answers** panel to select a graphic file for the question. Press **Select hot spots** button to open label editor where you can specify the labels and where they should be placed.



Figure 202: Label editor

Click on the image and drag the mouse pointer to select an area, then click on the selection and type the label text inside the selected area. Press the button with the white rectangle at the bottom of the editor window to change opacity of the selected area. Click on the red x mark at the upper right corner of an area to delete the area.

Related Links

[Quiz Builder](#) on page 164

6.1.8 Open question

Open type questions require the students to give a free form answer. Answers to such questions necessarily have to be graded manually. As such, they are not automatically counted towards the overall quiz score.

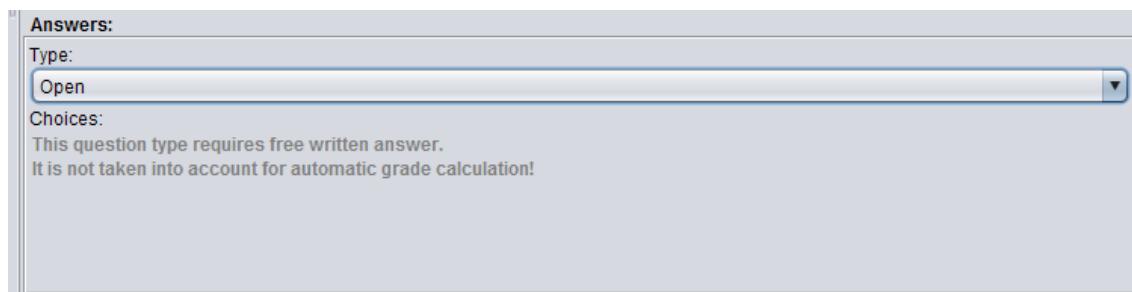


Figure 203: Question type: **Open**

These types of questions will be presented to the student as shown in [Figure 204:](#) on page 180 .

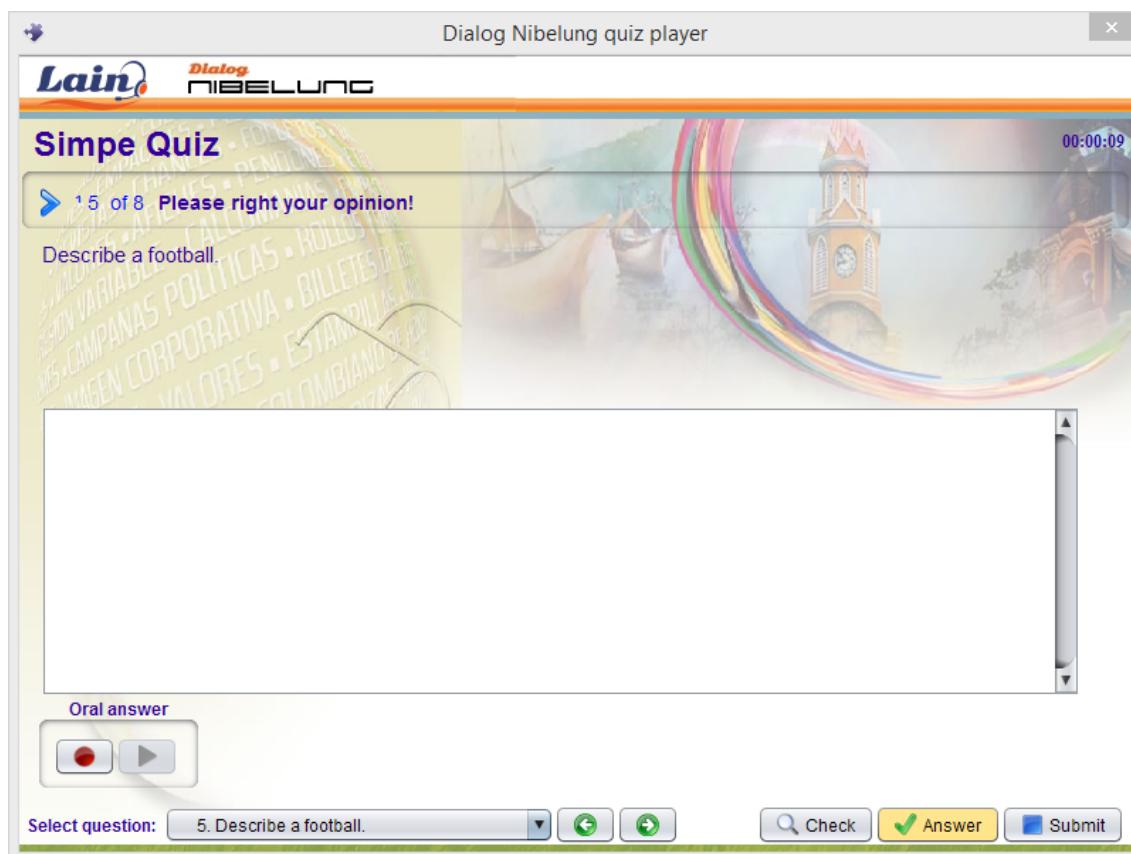


Figure 204: Quiz player: Open question

Related Links

[Quiz Builder](#) on page 164

6.2 Quiz Player

Quiz Player is a software module that conducts the test, i.e. displays questions to the students, records their answers, scores them, and submits the results to **Dialog Nibelung** teacher module.

When teacher assigns a group of students a **Quiz** activity (see [Quiz](#) on page 127), **Quiz Player** will be launched on the workstations of the students affiliated with the group and a window with quiz introductory page will appear on their screens ([Figure 205:](#) on page 181).

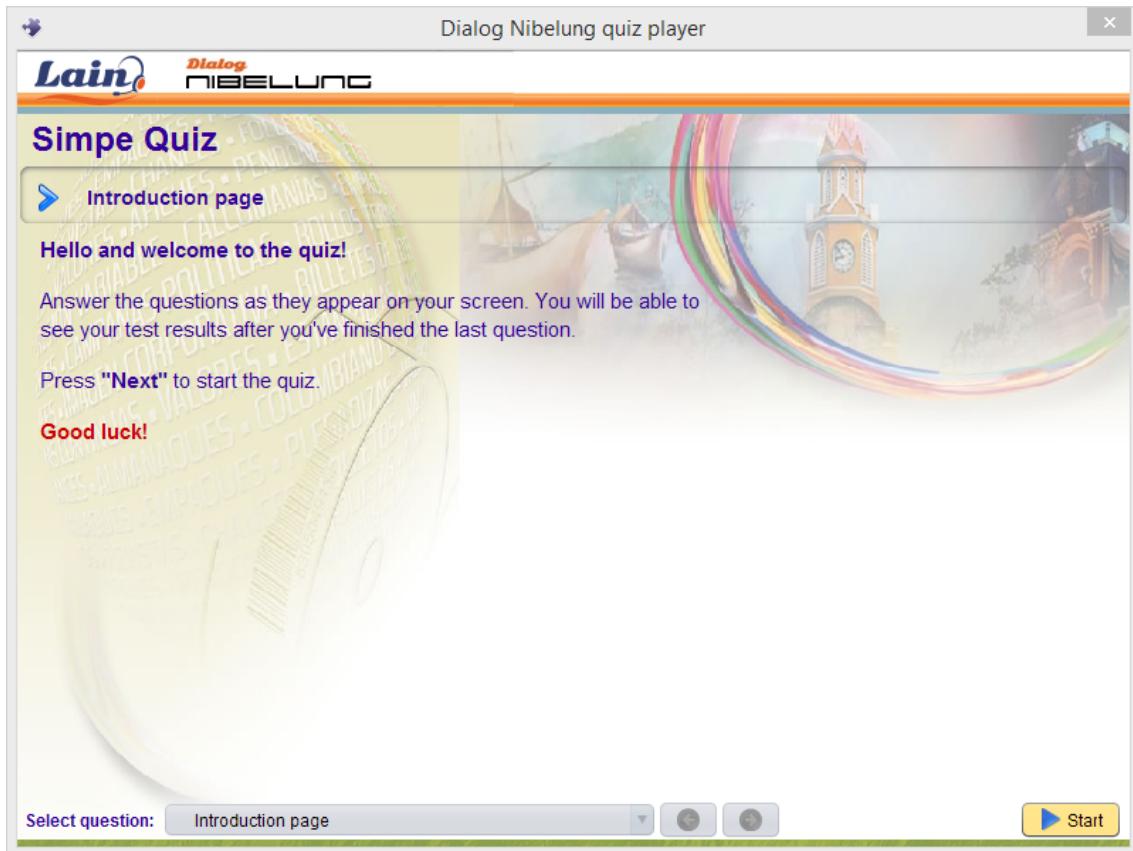


Figure 205: **Quiz Player** window displaying quiz introduction

Students should press the **Start** button to start the quiz. First question of the quiz will appear on their screens ([Figure 206: on page 182](#)).

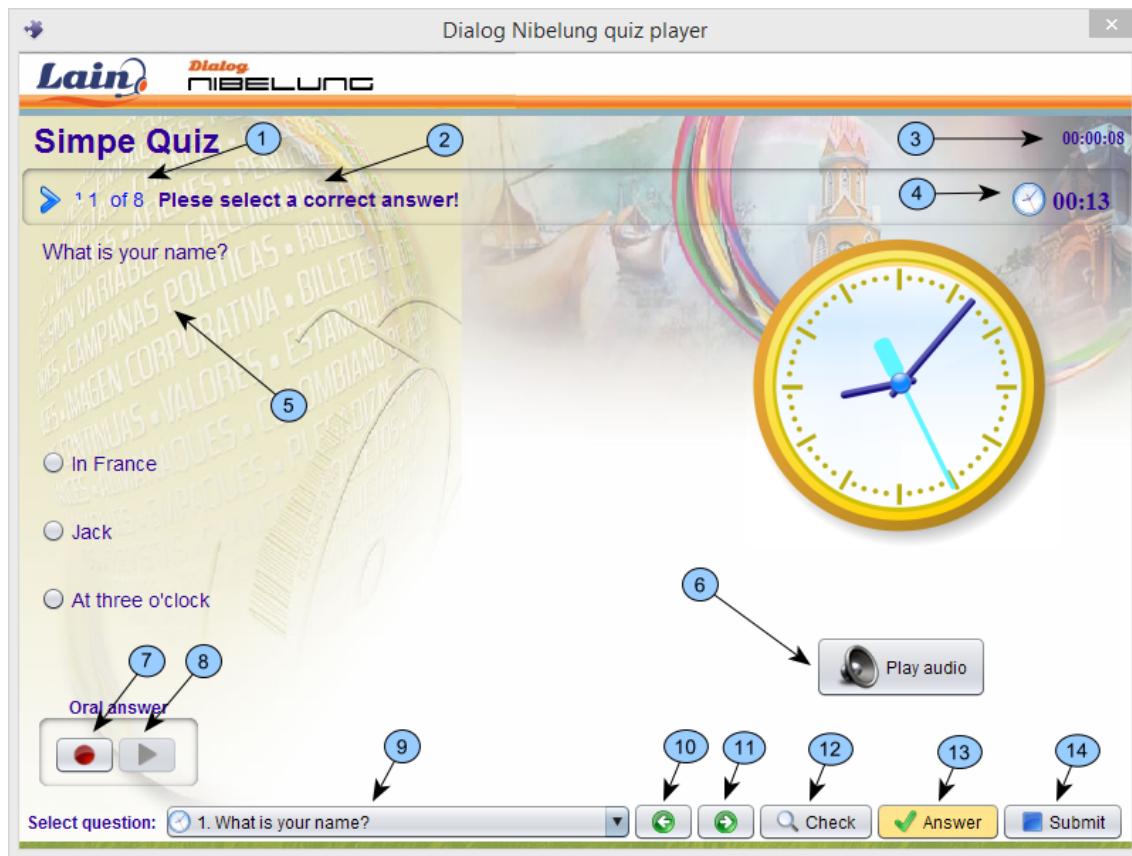


Figure 206: Quiz Player window displaying a question

Elements of the Quiz Player window displaying a question:

- 1 Question number
- 2 Title of the question
- 3 Quiz clock: displays elapsed time if quiz time limit was not set; displays elapsed time and remaining time separated by a clock icon otherwise (see (1) in [Figure 208: on page 184](#))
- 4 Question time remaining
- 5 Question itself and answer choices (if applicable)
- 6 Play audio button (if applicable)
- 7 Record an oral answer button (if applicable)
- 8 Listen to recorded answer button (if applicable)
- 9 List of questions in the quiz
- 10 Return to the previous question
- 11 Go to the next question without giving an answer to the current one (if allowed by quiz settings)
- 12 Get instant feedback (if allowed by quiz settings)
- 13 Record answer and go to the next question
- 14 Submit all recorded answers and exit the quiz

Students' ability to navigate around the quiz depends on both quiz and individual question settings.

Whenever the quiz is enforcing strict order of questions ([Quiz Builder](#) on page 164), only the **Answer** navigation button is enabled, which records the answer and proceeds on to the next question.

If the strict order is not enforced, students will be able to use **Previous** and **Next** buttons to navigate to the previous or next question or use the drop-down list (9) to jump to any question in the quiz.

If quiz settings allow instant feedback, the students will be able to get question feedback by pressing the **Check** button. In this case **Check** will change into **Repeat** button that will allow students to make another attempt if they were wrong ([Figure 206: on page 182](#)).



Tip: Instant feedback option greatly simplifies creation of learning assignments.

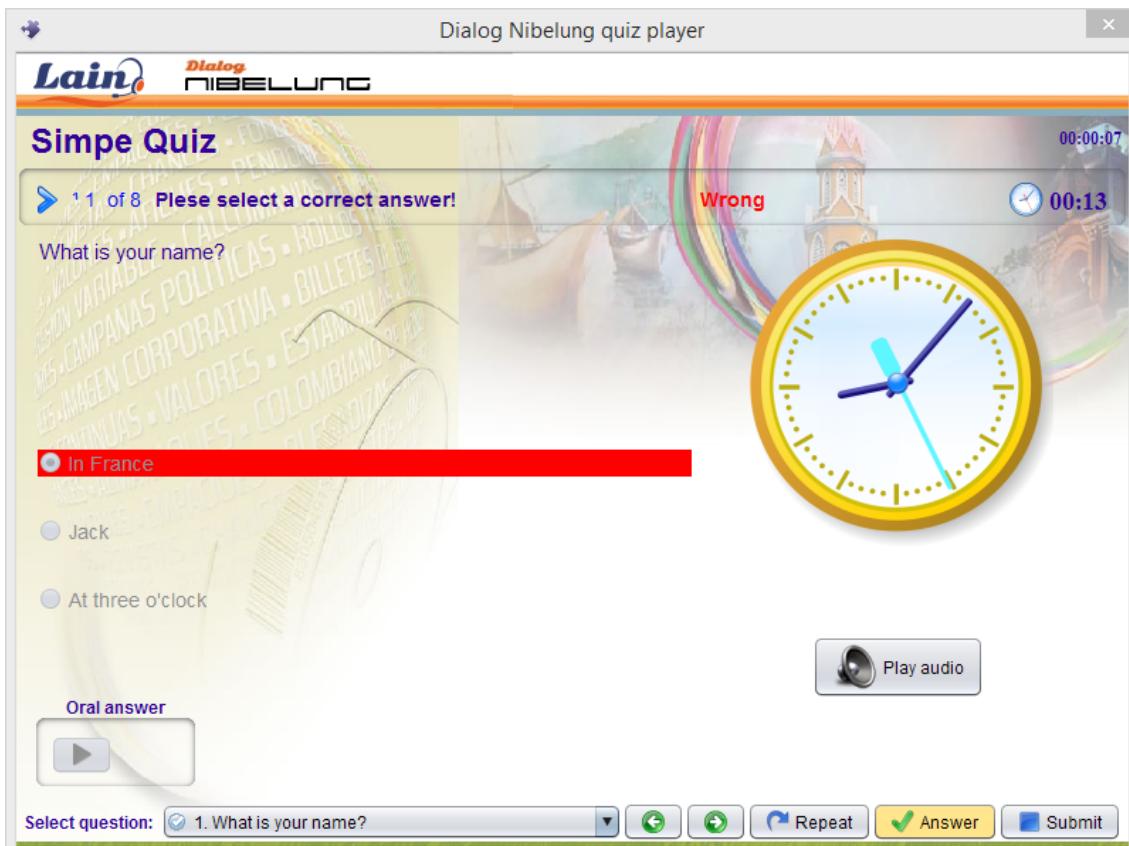


Figure 207: **Quiz Player** window with an **Instant feedback** question

Quiz title, quiz remaining time, and question title are displayed in the upper portion of the **Quiz Player** window. If the question has a time limit set, question remaining time will also be displayed in the upper right corner next to the quiz remaining time.



Important: Students will not be able to change their answers after the question time limit has elapsed. Moreover, if a question has a time limit set, students will not be able to return to this question later.

Questions can have images, audio and video associated with them. If this is the case, **Play audio** and/or **Show video** buttons that launch the media player will appear in the question window ([Figure 206: on page 182](#)). Images will be displayed automatically in the right portion of the **Quiz Player** window (e.g. the clock image in [Figure 206: on page 182](#)).

If the question has the option for an oral answer selected, recording and playback buttons will appear in the lower left corner of the window (see (7) and (8) in [Figure 206: on page 182](#)).

Whenever the quiz has a time limit set, a clock icon and a countdown clock for quiz remaining time will appear in the upper right corner.



Figure 208: **Quiz Player** window with a **Single answer** question with a time limit

Elements of the **Quiz Player** window:

-
- 1 Quiz time remaining
-

Depending on the type of the questions, while taking the quiz the students can:

- select a single answer from given choices;
- select several answers from given choices;
- fill in the blanks in given text;
- establish relationships between items on two lists according to given criteria;
- rank items on the list according to given criteria;
- select areas on an image corresponding to the correct answer;
- drag and drop labels on an image;
- type a free form answer to a question.

A student can stop taking the quiz at any time by pressing **Submit** button (14 on [Figure 206](#): on page 182).

Quiz results summary will be displayed to the students upon completion of a quiz ([Figure 209:](#) on page 185).



Figure 209: Quiz results summary

If quiz settings allow the students to see detailed results, a **View answers** button will appear in this window. By pressing this button students will be able to see which questions they have answered correctly (*Figure 210:* on page 186) and which not (*Figure 211:* on page 186).

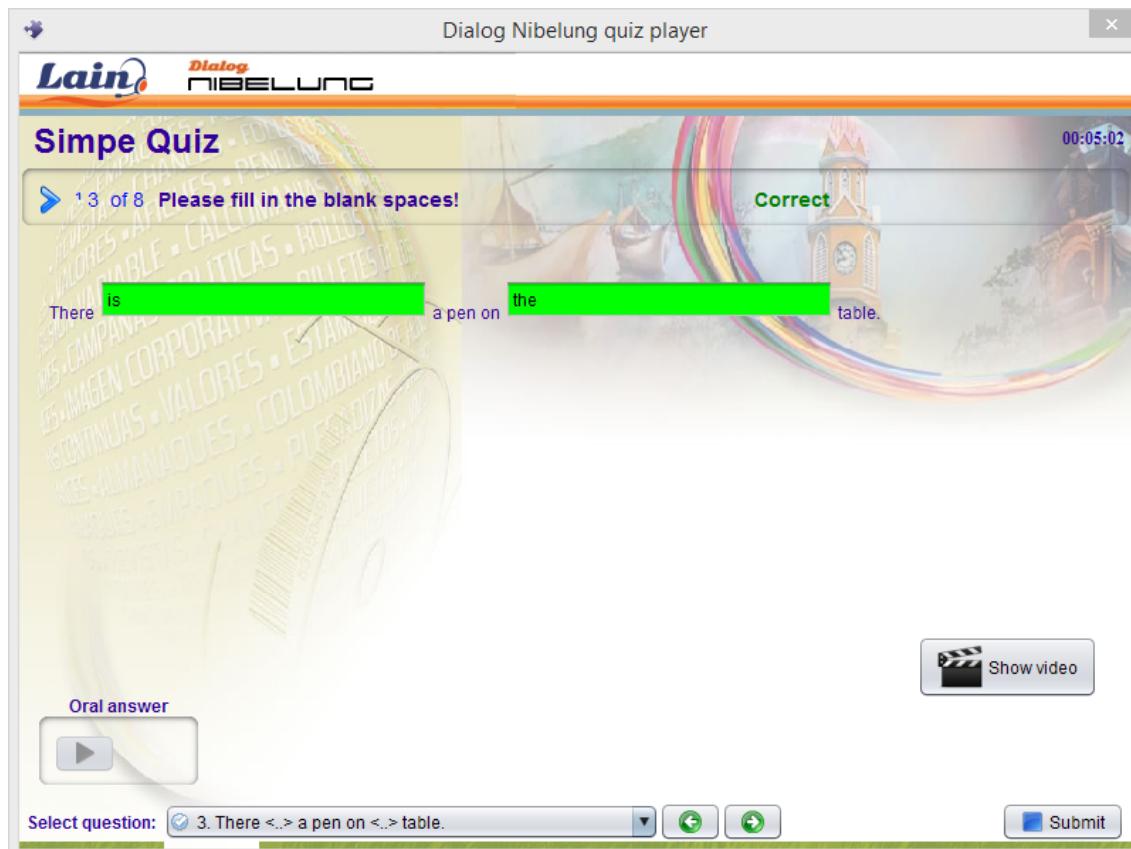


Figure 210: Correct answer

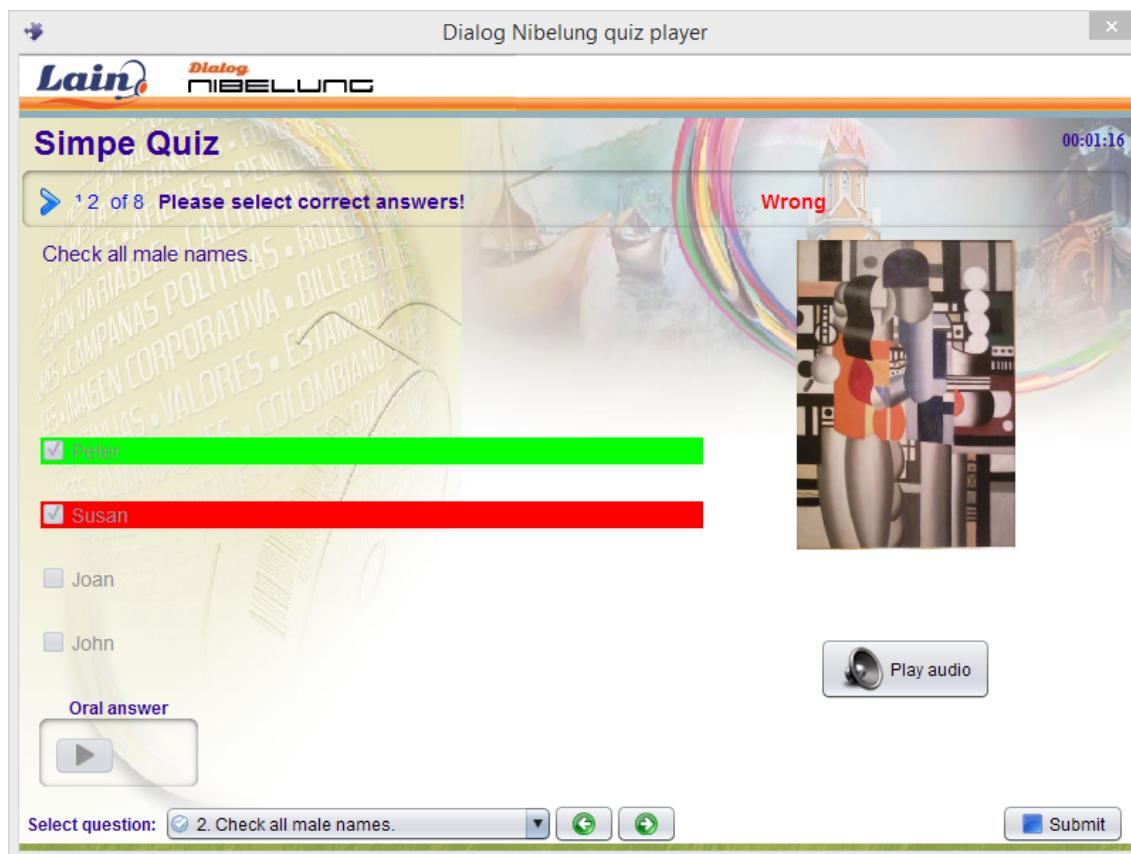


Figure 211: Incorrect answer

Related Links

[Dialog NQuiz on page 164](#)

6.3 Viewing test results

Upon completion of the quiz, the teacher normally would initiate collection of test results in **Dialog Nibelung teacher module** (see [Quiz on page 127](#)). After the test results have been collected, the teacher can use **View results** button to open the **Quiz Administrator** window with results of the quiz ([Figure 212: on page 187](#)).

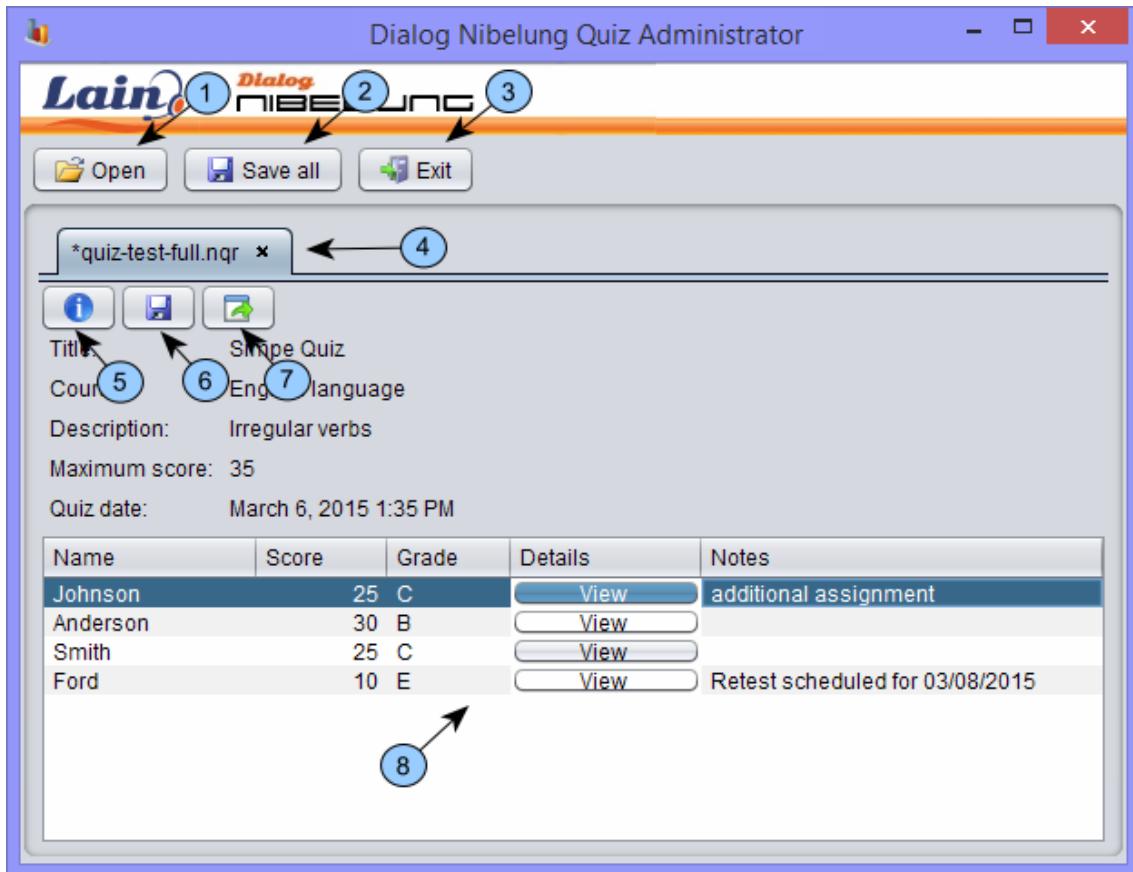


Figure 212: **Quiz Administrator** window with test results

Elements of the **Quiz Administrator** window:

- 1 **Open** button to open a quiz file with test results;
- 2 **Save all** button to save all opened quizzes;
- 3 **Exit** button to exit from **Quiz Administrator** and close the window.
- 4 Quiz tabs for switching between multiple opened quizzes
- 5 **Information** button that will open a window with additional information for the quiz: author, creation date, and last modification date
- 6 **Save** button to save modified quiz results
- 7 **Export to HTML** button to export quiz results to an HTML file
- 8 Class list with quiz results

Select a quiz tab (4) to view quiz title, course, quiz description, maximum score and grade, date the quiz was conducted, and a class list for the quiz with individual scores, grades and notes. You can edit scores, grades and notes by double clicking on the appropriate field. Press **Save** button (6) to save modified quiz results and/or notes.

You can use the **Export to HTML** button (7) to export quiz results into an **HTML** page that can be viewed in any browser, posted online, or printed out.

Press the **View** button in the **Details** column to see detailed results for individual students. This will launch the **Quiz Player** (see *Quiz Player* on page 180) with this student's quiz results.

Related Links

Dialog NQuiz on page 164

7. ПРОГРАММА УПРАВЛЕНИЯ БАЗАМИ ДАННЫХ УЧАЩИХСЯ

7.1 Рекомендации по установке ПО Диалог Nibelung StudDB

Для установки программы запустите ее установочный файл и следуйте указаниям установщика.



Внимание: Для установки программного обеспечения **Диалог Nibelung StudDB** не требуются права администратора.



Важное замечание: При установке программного обеспечения при необходимости будут автоматически инсталлированы зависимости: **Microsoft .NET Framework 4.0 Client Profile** и **Windows Installer 4.5**. В этом случае для установки потребуются дополнительное время, дисковое пространство и, в случае удаленной загрузки зависимостей, подключение к Интернету.



Важное замечание: Для чтения документации в формате **pdf** на Вашем компьютере должно быть установлено ПО **Adobe Acrobat Reader** или его аналоги.

7.2 Введение

Программа **Диалог Nibelung StudDB** предназначена управления базами данных учащихся, совместимых с программным комплексом Диалог Nibelung (<http://dialog.su>). Она позволяет гибко управлять структурой, составом учебного заведения и данными о его учащихся.

Основные возможности программы:

- управление базой данных, основные операции:
 - создание базы данных;
 - задание характеристик учебного заведения;
 - создание и редактирование линейной структуры учебного заведения;
 - управление карточками учащихся каждого подразделения;
 - ведение архива учащихся;
- возможность добавления фотографий учащихся;
- полнотекстовый поиск учащихся и подразделений и поиск по полям;
- экспорт данных по всему учебному заведению, подразделениям и отдельным учащимся в форматы **txt**, **csv**, **html**;
- облегченная навигация и управление с клавиатурой;
- мультиязычный интерфейс;
- режимы мгновенной и отложенной (только по кнопке сохранения) записи изменений в базу данных;
- возможность автоматического сохранения базы данных;
- авторизация для доступа к базе данных.

7.3 Настройка программы

Перед началом работы с программой **Диалог Nibelung StudDB** ее следует настроить системному администратору (см. информацию в разделе [Системному администратору](#) на стр.215) или достаточно опытному пользователю.

Типовой порядок настройки следующий:

- Войдите в программу с именем **Admin** и административным паролем (пароль по умолчанию - **Admin**);
- Создайте базу данных;
- Укажите требуемые путь и имя файла базы данных;

- Укажите свойства учебного заведения в появившемся диалоге;
- При необходимости создайте структуру подразделений учебного заведения;
- Сохраните базу (при включенном режиме резервирования, иначе база сохранится автоматически);
- Закройте базу;
- Вызовите диалог настроек программы с помощью соответствующей команды. Установите необходимые параметры:
 - Укажите язык интерфейса программы;
 - Укажите для работы файл созданной ранее базы данных;
 - Установите режим подтверждения операций удаления (при включенном режиме любую операцию по удалению элемента из базы данных требуется подтверждать дополнительно);
 - При необходимости установите режим резервирования (при включенном режиме запись изменений в базу осуществляется пользователем командой **Сохранить**);
 - При необходимости установите режим автоматического сохранения и его интервал (задается в минутах). При включенном автосохранении команда сохранения вызывается автоматически;
- Подтвердите изменения настроек и закройте диалог;
- Вызовите диалог управления пользователями, создайте необходимые учетные записи. Закройте диалог и выйдите из программы.

Программа готова к работе. Далее пользователи заходят под своими учетными записями и производят редактирование установленной им для работы базы.

7.4 Порядок работы с программой

После первоначальной настройки, произведенной системным администратором (п. [Системному администратору](#) на стр.215), программа **Диалог Nibelung StudDB** готова к работе. Типичная последовательность рабочего процесса выглядит так:

- Запуск программы, авторизация пользователя (п. [Glossary](#) на стр.232);
- Редактирование свойств учебного заведения, если это не было сделано при первоначальной настройке или в предыдущих сессиях работы;
- Редактирование состава учебного заведения путем добавления, изменения или удаления подразделений;
- Основная часть - работа с карточками учащимися: добавление их в базу, редактирование карточек, перевод в другое подразделение, архивация;
- Сохранение результатов работы (п. [Режимы работы с базой данных](#) на стр.214), экспорт данных;
- Окончание работы путем завершения сеанса или выхода из программы.

7.5 Интерфейс программы

7.5.1 Окно авторизации

Окно авторизации появляется сразу после запуска программы **Диалог Nibelung StudDB**.

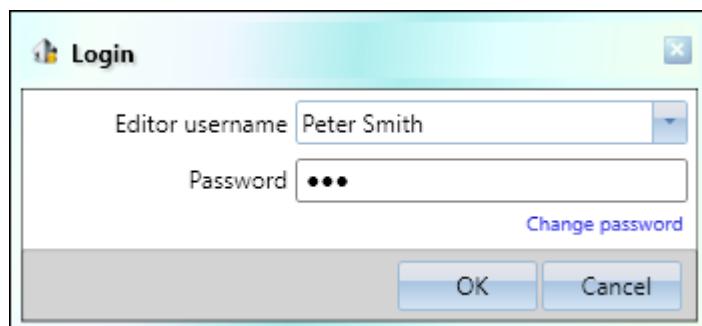


Рис.213 Окно авторизации

Для авторизации проделайте следующие действия:

- Выберите свое имя в ниспадающем списке. Это можно сделать:
 - мышкой, щелкнув по области с треугольником справа от ниспадающего списка;
 - прокруткой колеса мыши;
 - клавишей **F4** и, после выпадения списка, - стрелками вверх-вниз клавиатуры; после выбора нажимается клавиша **Enter**;
 - стрелками вверх-вниз клавиатуры.
- Введите свой пароль;
- Для проверки данных и начала рабочей сессии нажмите кнопку **OK** или клавишу **Enter**.

В случае ввода неправильного пароля Вам будет предложено ввести его заново.



Внимание: Если Вы хотите изменить пароль, нажмите мышкой на соответствующий текст **Изменить пароль**. Появится диалог (п. [Окно изменения пароля на стр.193](#)). Для изменения пароля необходимо знать свой текущий пароль!



Информация: При нажатой клавише **CapsLock** в окне появится соответствующий индикатор

Нажатие кнопки **Отмена** или клавиши **Esc** приводит к выходу из программы.

7.5.2 Главное окно программы

Главное окно программы представлено на рисунке ниже.

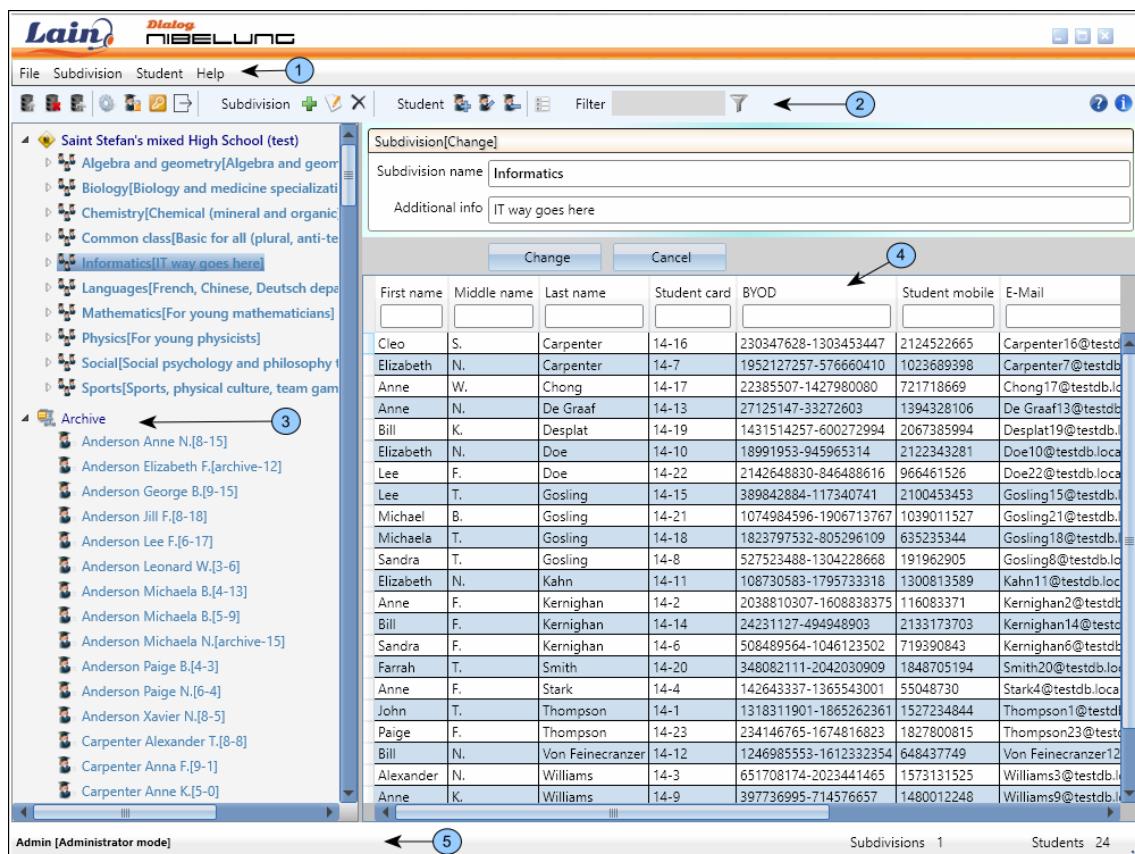


Рис.214 Главное окно программы

Окно состоит из следующих областей:

- Главное меню (см. [Главное меню](#) на стр.199), содержащее большинство команд, доступных при работе с программой;
- Панель инструментов (см. [Панель инструментов](#) на стр.201) для быстрого доступа к основным командам;

3. Область древовидного просмотра (см. [Древовидное представление элементов учебного заведения](#) на стр.201), в которой наглядно отображается вся структура учебного заведения;
4. Основная область. В ней показываются элементы просмотра и редактирования учащихся и подразделений и таблицы;
5. Статусная строка (см.[Статусная строка](#) на стр.206) для отображения вспомогательной информации.

7.5.3 Окно настроек программы

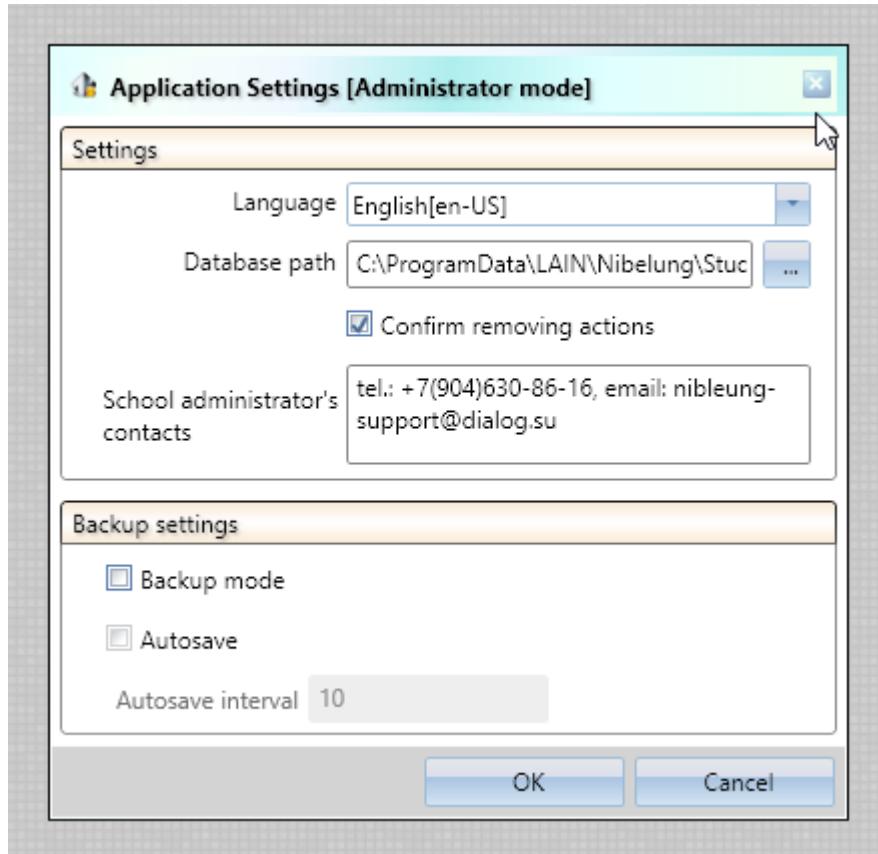


Рис.215 Окно настроек программы

Окно настроек программы доступно только в административном режиме (п. [Системному администратору](#) на стр.215) и позволяет указать основные параметры ее работы:

- Язык интерфейса;
- Настройка запроса подтверждения операций удаления;
- Настройка пути к файлу базы данных, с которой будут работать пользователи;
- Настройка режима резервирования и автоматического сохранения базы данных (интервал задается в минутах).

Для вызова окна выполните команду **Файл -> Параметры** главного меню.

7.5.4 Окно управления пользователями

Для вызова окна управления пользователями зайдите в программу в административном режиме (см. раздел [Системному администратору](#) на стр.215) и вызовите команду **Файл -> Управление поль-**

зователями. Оно позволяет добавлять, редактировать и удалять учетные записи пользователей, которые могут работать с базой данных учебного заведения.

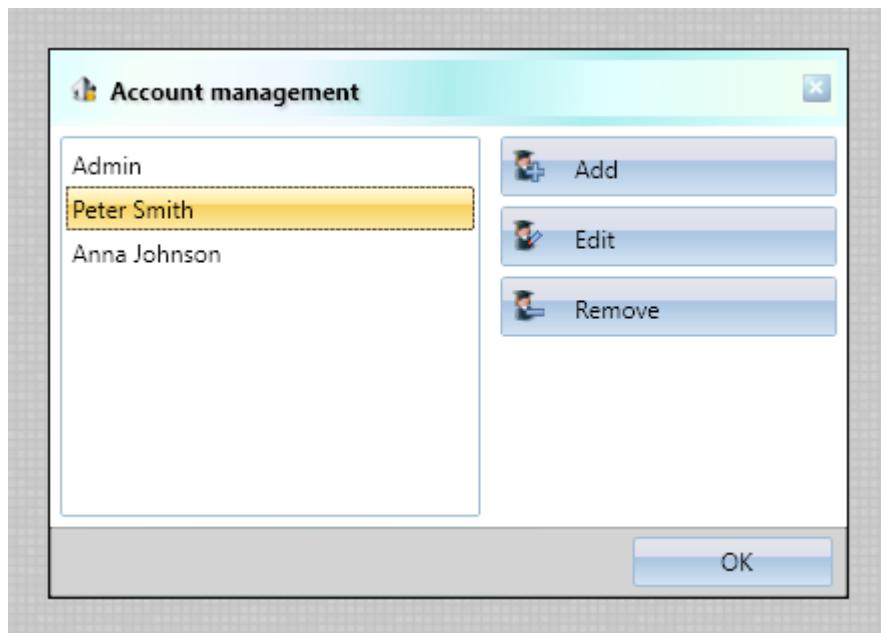


Рис.216 Окно управления пользователями



Внимание: Удаление учетной записи администратора не предусмотрено, поскольку без нее будет невозможно производить соответствующие операции по управлению настройками, базами данных и учетными записями пользователей.



Информация: Вы можете создавать пользователей без пароля или поменять их текущий пароль на пустой. Тем не менее каждому пользователю рекомендуется иметь непустой пароль.

7.5.5 Окно изменения пароля

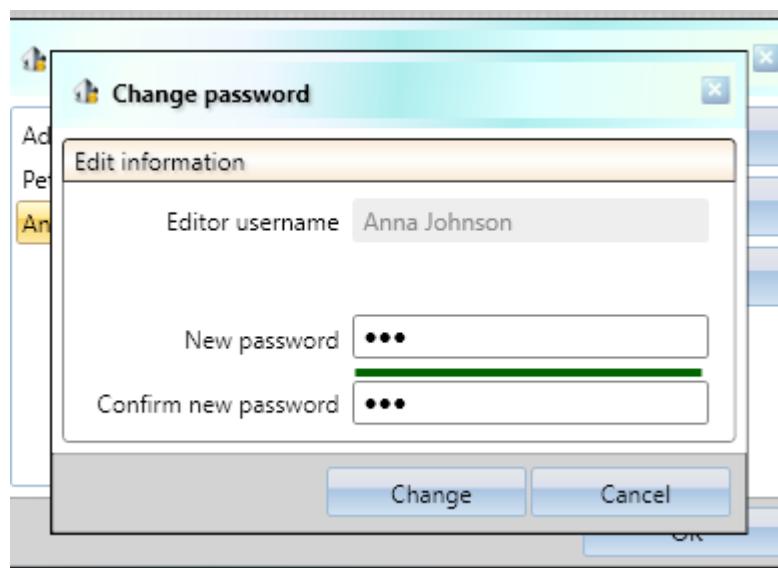


Рис.217 Окно изменения пароля

Окно для смены пароля появляется в программе в двух случаях:

1. При выборе команды **Изменить пароль** в диалоге авторизации (см. [Окно авторизации](#) на стр.190)

2. При добавлении или изменении пользователей в диалоге управления пользователями (см. [Окно управления пользователями](#) на стр.192)



Важное замечание: Для смены пароля пользователю необходимо знать свой текущий пароль! Если пользователь забыл свой пароль, необходимо обратиться к системному администратору



Информация: При нажатой клавише CapsLock в окне появится соответствующий индикатор

В случае, если текст в полях ввода и подтверждения нового пароля совпадает, полоска-индикатор (находящаяся между полями для ввода пароля и его подтверждения) будет зеленого цвета. Если пароли не совпадают, полоска будет оранжевой.

7.5.6 Окно "О программе"

Окно "О программе" позволяет узнать информацию о разработчиках программы, обратной связи, а также содержит данные о версии программы и дате ее сборки.

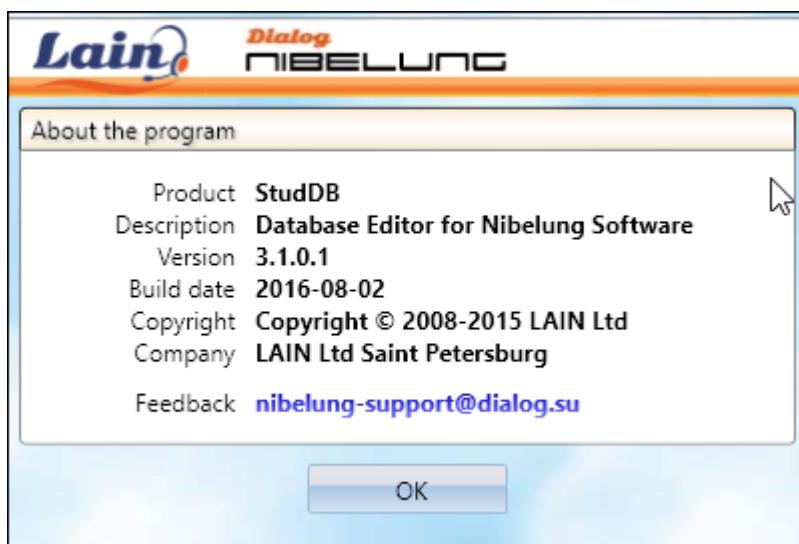


Рис.218 Диалог "О программе"

Для вызова окна служит пункт главного меню **Помощь > О программе** или соответствующая кнопка на панели инструментов.

7.5.7 Диалог свойств учебного заведения

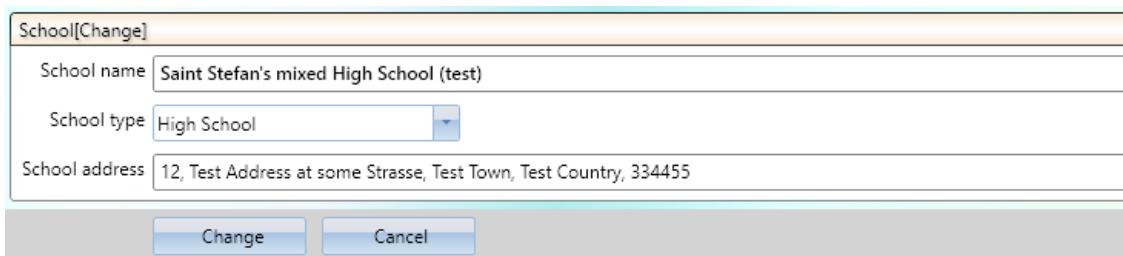


Рис.219 Диалог свойств учебного заведения

Диалог свойств учебного заведения позволяет редактировать и просматривать основные свойства учебного заведения:

- Название учебного заведения;
- Тип учебного заведения;
- Адрес учебного заведения.

Для вызова диалога можно вызвать контекстное меню для элемента учебного заведения в области древовидного просмотра или, выделив учебное заведение там же, нажать клавишу **F2**

7.5.8 Диалог свойств подразделения

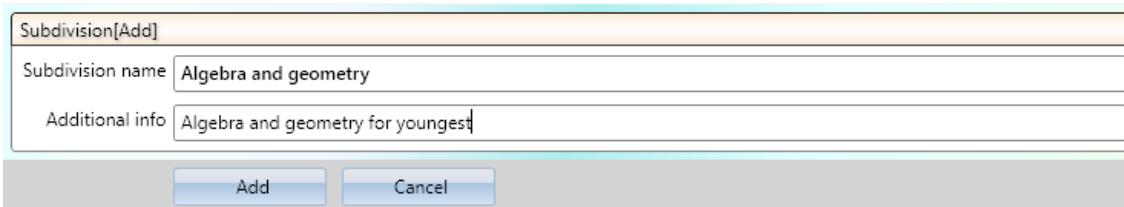


Рис.220 Диалог свойств подразделения в режиме добавления

Диалог редактирования подразделения отображает информацию о подразделении и может показываться в трех режимах:

1. Добавление подразделения;
2. Редактирование подразделения;
3. Удаление подразделения.

Режим показа диалога следует из контекста выполненной перед этим команды. Его всегда можно узнать по названию кнопки, подтверждающей операцию, и соответствующему суффиксу в конце заголовка диалога:

- [Добавить]
- [Изменить]
- [Удалить]



Внимание: При удалении подразделения его учащиеся перемещаются в архив. Учащихся затем необходимо вручную распределить (восстановить) по другим классам! Рекомендуется сначала переместить учащихся в нужные подразделения, а затем удалять уже пустое подразделение

7.5.9 Диалог свойств (карточка) учащегося

Диалог свойств учащегося можно назвать основным в программе **Диалог Nibelung StudDB**, поскольку работа с учебным заведением и его структурой является подготовительным этапом, подавляющий же объем работы происходит именно с учащимися. Диалог свойств учащегося показывается, в зависимости от контекста, в одном из следующих режимов:

- добавление карточки учащегося - когда Вы желаете добавить карточку учащегося в какое-либо подразделение;
- редактирование карточки учащегося; включает также перевод в другое подразделение;
- удаление карточки учащегося (фактически - перевод карточки учащегося в архив);

- восстановление карточки учащегося из архива (вызывается из контекстного меню для учащихся, расположенных в архиве).

The screenshot shows the 'Student[Change]' dialog box. At the top, there is a section for 'Subdivision' with a dropdown menu set to 'Algebra and geometry' and a description below it. Below this is a 'Student profile' section containing a placeholder image of a raccoon wearing a Santa hat, followed by various input fields for student details:

Last name	Anderson
First name	Anna
Middle name	S.
Student ID	13-19
Show as	student-13-19
Student BYOD ID	9018738-1304056817
Student mobile	1152286678
E-Mail	Anderson19@testdb.local
Birthday	3/27/1969
Gender	<input type="checkbox"/> Male <input checked="" type="checkbox"/> Female
Additional info	Sample information about student N19: AndersonAnnaS.

At the bottom of the dialog are two buttons: 'Change' and 'Cancel'.

Рис.221 Диалог учащегося в режиме редактирования



Важное замечание: Не обязательно выделять целевое подразделение в таблице или в области древовидного просмотра перед вызовом команды **Добавление учащегося**. Нужное подразделение можно будет указать в процессе добавления учащегося (см. [Диалог перевода в другое подразделение на стр.197](#))

Введите данные учащегося с клавиатуры или вставляйте их в нужные поля из буфера обмена. **Обязательно** указать следующие данные: **имя, фамилия, отчество и номер ученического билета**.

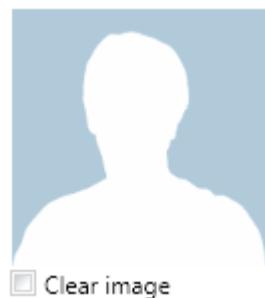


Информация: Если в Вашем учебном заведении отсутствует нумерация учащихся, Вы можете использовать любую другую информацию (например - ФИО + дата рождения: ИвановПетрСеменович-10.12.2004) вместо номера ученического билета. Важно понимать, что программа не позволяет добавить карточку учащегося с таким же номером, как у одного из уже имеющихся в базе данных



Информация: Каждому учащемуся сопоставьте его фотографию для большего удобства дальнейшей работы. Программа поддерживает фотографии наиболее распространенных форматов JPG и PNG. Для фотографий рекомендуется использовать картинки размером 128 на 128 пикселей или размеров, кратных им (например, 512 на 512 пикселей), на которых лицо учащегося занимает большую часть фотографии и расположено в фас или в анфас. Для добавления фотографии щелкните мышкой по условному изображению, находящемуся в

верхней части диалога. Фотографию учащегося можно удалить (исходный файл при этом не удаляется - все изменения происходят только в базе) или заменить на другую



Clear image

Рис.222 Условное изображение фото учащегося

7.5.10 Диалог перевода в другое подразделение

Диалог для перевода в другое подразделение появляется при восстановлении учащегося из архива (см. [Архив учащихся](#) на стр.208), а также совместно - при показе карточки учащегося (см. [Диалог](#)

[свойств \(карточка\) учащегося](#) на стр.195), во всех его режимах (добавление, редактирование, удаление, восстановление).

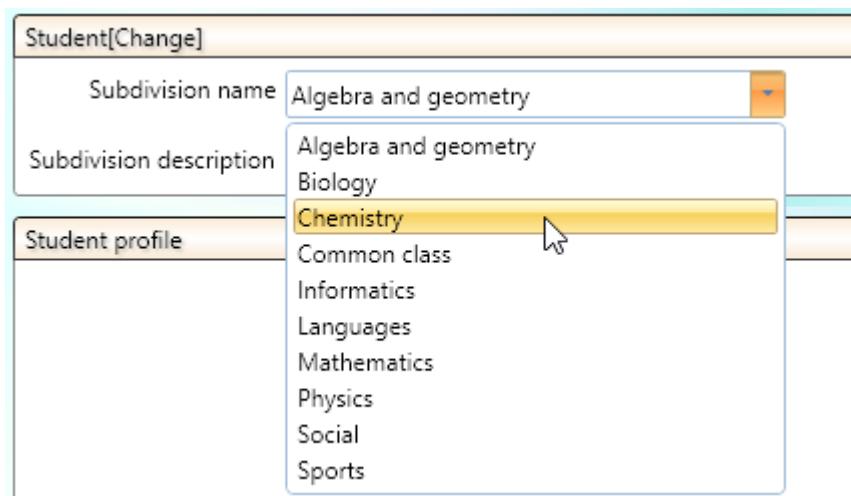


Рис.223 Диалог для перевода совместно с диалогом учащегося

Student[Restore]	
Subdivision name	Mathematics
Subdivision description	For young mathematicians
Student profile	
	
<input type="checkbox"/> Clear image	
Last name	Anderson
First name	Elizabeth
Middle name	F.
Student ID	archive-12
Show as	ArchivedStudent-12
Student BYOD ID	961241185-1185049231
Student mobile	1616781134
E-Mail	Anderson12@testdb.localarchive
Birthday	2/13/1989
Gender	<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female
Additional info	Sample information about student N12: AndersonElizabethF.
<input type="button" value="Restore"/> <input type="button" value="Cancel"/>	

Рис.224 Диалог для перевода при восстановлении из архива

В данном диалоге содержится информация о подразделении, в которое будет добавлен, переведен или восстановлен учащийся.



Информация: В случае показа в режиме редактирования автоматически выбирается текущее подразделение учащегося

7.5.11 Приглашение к быстрому созданию элемента

Данное приглашение появляется в двух случаях:

- При выделении учебного заведения, в котором отсутствуют подразделения;
- При выделении подразделения, в котором отсутствуют учащиеся.



Рис.225 Приглашение добавить подразделение

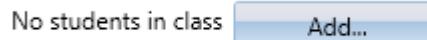


Рис.226 Приглашение добавить учащегося

Вышеуказанное приглашение служит как напоминанием, так и дополнительным средством автоматизации, призванным ускорить и упростить работу пользователя.



Информация: Нажмите кнопку **Добавить** при желании или необходимости совершения предлагаемого действия, заполнив сначала требуемые данные

7.5.12 Главное меню

Главное меню состоит из четырех основных разделов:

- Меню Файл;
- Меню Подразделение;
- Меню Учащийся;
- Меню Помощь;



Рис.227 Главное меню

Меню Файл

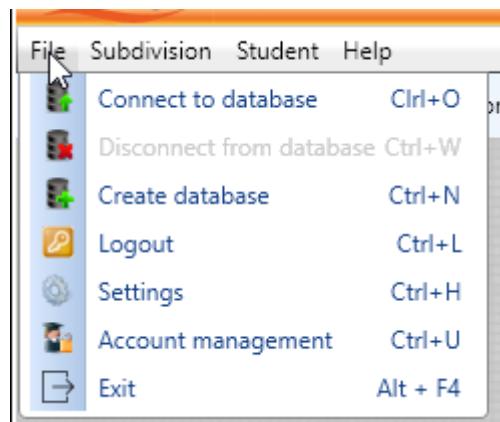


Рис.228 Меню Файл

№	Пункт меню	Иконка	Сочетание клавиш
1	Соединиться с базой данных *		<u>Ctrl + O</u>

№	Пункт меню	Иконка	Сочетание клавиш
2	Отсоединиться от базы данных *		<u>Ctrl + W</u>
3	Сохранить базу данных **		<u>Ctrl + S</u>
4	Создать базу данных *		<u>Ctrl + N</u>
5	Завершить сеанс...		<u>Ctrl + L</u>
6	Настройки *		<u>Ctrl + H</u>
7	Управление пользователями *		<u>Ctrl + U</u>
8	Выход		<u>Alt + F4</u>

* - команда доступна только в административном режиме; ** - команда доступна только в режиме резервирования.

Меню Подразделение

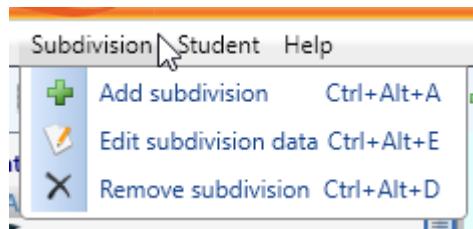


Рис.229 Меню Подразделение

№	Пункт меню	Иконка	Сочетание клавиш
1	Добавить подразделение		<u>Ctrl + Alt + A</u>
2	Редактировать подразделение		<u>Ctrl + Alt + E</u>
3	Удалить подразделение		<u>Ctrl + Alt + D</u>

Меню Учащийся

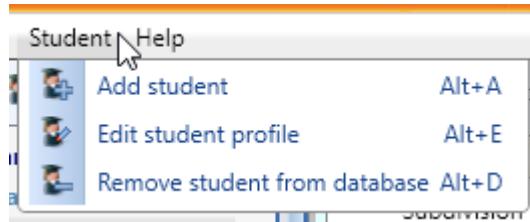


Рис.230 Меню Учащийся

№	Пункт меню	Иконка	Сочетание клавиш
1	Добавить учащегося		<u>Alt + A</u>
2	Редактировать данные учащегося		<u>Alt + E</u>
3	Удалить учащегося из базы		<u>Alt + D</u>

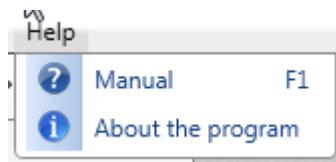
Меню Помощь

Рис.231 Меню Помощь

№	Пункт меню	Иконка	Сочетание клавиш
1	Инструкция	?	F1
2	О программе	i	-

Доступ к каждому пункту можно получить как с помощью мыши, так и набрав соответствующее пункту сочетание клавиш. Навигация по меню **также включается** после нажатия на клавиатуре клавиши **Alt**.



Информация: Если команда отображается серым цветом и не срабатывает по сочетанию клавиш, значит, в текущем контексте она неприменима. Например, нельзя отредактировать карточку учащегося, если в данный момент нет выделенного учащегося: программа не знает, о ком идет речь и не может применить операцию редактирования

7.5.13 Панель инструментов

Панель инструментов используется для быстрого доступа к основным функциям программы с помощью мыши: все команды находятся перед глазами в виде соответствующих им пиктограмм.



Рис.232 Панель инструментов

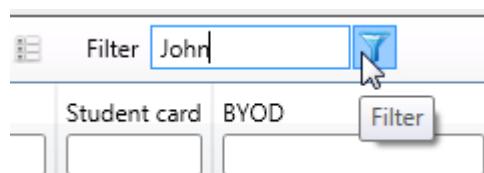


Рис.233 Область фильтра панели инструментов

Помимо команд, дублирующих главное меню, в панели инструментов располагаются:

- кнопка **Режим показа всех учащихся** (расположена левее поля для ввода строки фильтра);
- кнопка **Фильтр**, включающая или выключающая фильтрацию по всем полям (см. [Поиск](#) на стр.208);
- поле для ввода строки фильтра (расположено левее кнопки фильтра).



Рис.234 Кнопка режима показа всех учащихся

7.5.14 Древовидное представление элементов учебного заведения

Область древовидного просмотра располагается в левой части главного окна программы **Диалог Nibelung StudDB** и позволяет наглядно отобразить структуру учебного заведения и состав учащихся каждого из его подразделений. Предполагается, что основная часть работы с программой будет

производиться с использованием области древовидного просмотра, тем не менее все основные действия по управлению учащимися можно производить и через область табличного просмотра.

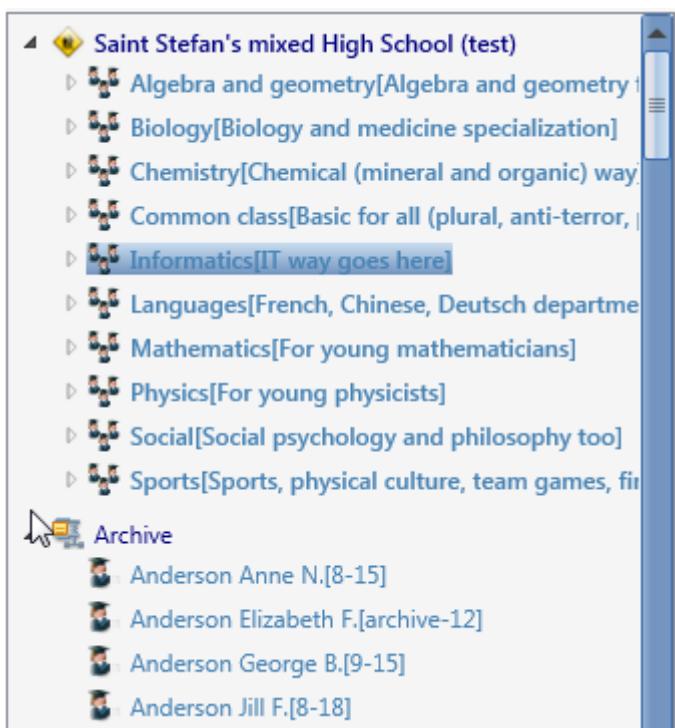


Рис.235 Область древовидного просмотра

Основные приемы работы с областью древовидного просмотра:

- Нажатие левой кнопкой мыши по любому элементу вызывает диалог с его свойствами; тот же эффект достигается двойным нажатием, а также нажатием клавиши **Enter** или **F2** в случае, если элемент выделен;
- Запрос на удаление выделенного элемента появляется при нажатии клавиши **Delete**;
- Наведение мыши на любой элемент (кроме архива) показывает карточку с его основными свойствами;
- Нажатие правой кнопкой мыши на элемент вызывает его контекстное меню; тот же эффект достигается нажатием клавиши контекстного меню на клавиатуре;
- Любой учащегося можно быстро перевести в другое подразделение, просто перетащив его мышью методом drag'n'drop (см. *Glossary* на стр.232);
- Треугольная область слева от элемента означает, что у него есть дочерние элементы (например, в учебном заведении есть подразделения, а в подразделении есть учащиеся). Нажатие мышкой на треугольную область раскрывает дочерние элементы, повторное нажатие - сворачивает их обратно; того же эффекта можно достичь стрелками клавиатуры влево-вправо, если данный элемент выделен;
- Отмена любого диалога, достигаемая нажатием клавиши **Esc** или кнопки **Отмена** диалога, переводит фокус на выделенный элемент области древовидного просмотра; благодаря этому можно быстрее просматривать и редактировать информацию об учащихся, а также видеть, с чьей карточкой (либо с каким подразделением) только что производилась работа;
- По области древовидного просмотра возможная быстрая навигация с помощью клавиатуры. Стрелки клавиатуры вниз и вверх, а также клавиши **Home**, **End**, **PageUp** и **PageDown** используются непосредственно для перемещения, стрелки влево и вправо - для сворачивания и разворачивания элементов, имеющих дочерние.

7.5.15 Табличный вид

В главном окне программы **Диалог Nibelung StudDB** данные для работы (учебное заведение, подразделения, учащиеся и архив) представлены в двух видах: древовидном и табличный. **Табличный** вид позволяет быстро просматривать большое число записей, производить их поиск, сортировку и

фильтрацию. В табличном виде работают горячие клавиши и контекстное меню, позволяя быстро отредактировать карточку выделенного учащегося.

Subdivision[Change]						
Subdivision name Algebra and geometry						
Additional info Algebra and geometry for youngest						
First name	Middle name	Last name	Student ID	BYOD	Student mobile	E-Mail
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Anna	S.	Anderson	13-19	9018738-1304056817	1152286678	Anderson19@testdb.local
John	K.	Anderson	13-18	848036253-505836320	486901957	Anderson18@testdb.local
Anne	B.	Carpenter	13-2	110091055-1364018677	1906341737	Carpenter2@testdb.local
John	F.	Carpenter	13-22	941490158-89330091	546113882	Carpenter22@testdb.local
Paige	F.	Carpenter	13-23	28901503-365359743	1269549695	Carpenter23@testdb.local
Paul	B.	Chong	13-14	261640995-502841367	2097558425	Chong14@testdb.local
George	F.	Doe	13-11	489387185-1423189619	51043086	Doe11@testdb.local
Sandra	W.	Doe	13-15	1675793166-1013645164	1788096338	Doe15@testdb.local
Paige	F.	Gosling	13-13	1353953219-668001682	842699737	Gosling13@testdb.local

Рис.236 Табличный вид

В табличном виде могут показываться:

- подразделения учебного заведения - при выделении учебного заведения;
- все карточки учащихся учебного заведения - при выделении учебного заведения и включении режима показа всех учащихся (п. [Панель инструментов](#) на стр.201);
- карточки учащихся выбранного подразделения - при выделении подразделения;
- карточки учащихся, находящиеся в архиве - при выделении архива.

First name	Middle name	Last name	Student ID	BYOD	Student mobile	E-Mail
<input type="text"/>						

Рис.237 Заголовки столбцов таблицы

Возможности табличного вида:

- позволяет производить сортировку данных по любому столбцу, для чего достаточно щелкнуть мышкой по его заголовку ([Рис.238](#) на стр.203);
- открывает диалог редактирования элемента таблицы при двойном щелчке по нему;
- позволяет производить основные действия над элементами таблицы с помощью контекстных меню;
- производит полнотекстовый поиск по всем полям при вводе поискового текста в поле фильтрации на панели инструментов (см. [Панель инструментов](#) на стр.201);
- производит фильтрацию записей при вводе строки фильтрации в нужном столбце (строка для ввода находится под заголовком каждого столбца). Возможна выборочная фильтрация по нескольким полям.

First name	Middle name	Last name	Student ID	BYOD
<input type="text"/>				

Рис.238 Вид выделенного столбца

7.5.16 Контекстные меню

В программе *Диалог Nibelung StudDB* для каждого структурного элемента базы данных существуют контекстные меню - как в области древовидного представления, так и в табличном виде (см. [Главное окно программы](#) на стр.191).

Контекстные меню есть у:

- учебного заведения;
- подразделения;
- архива;
- учащегося, находящегося в подразделении;
- учащегося, находящегося в архиве.

Контекстное меню вызывается правой кнопкой мыши или клавишей контекстного меню клавиатуры. По своему действию пункты контекстное меню эквивалентны соответствующим пунктам главного меню и панели инструментов.

Перечень контекстных меню программы:



Рис.239 Контекстное меню архива

Пункты контекстного меню:

- Свернуть все - сворачивает содержимое архива;
- Очистить архив - удаляет все записи архива;
- Экспорт - позволяет экспорттировать все содержимое архива.



Важное замечание: После очистки архива записи восстановить невозможно!

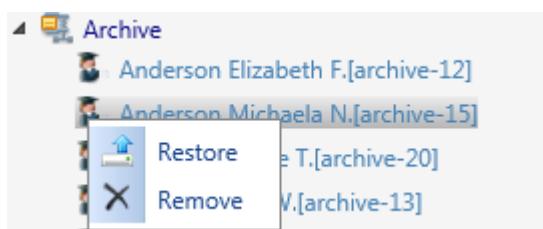


Рис.240 Контекстное меню архивного учащегося

Пункты контекстного меню:

- Восстановить - восстанавливает учащегося в указанное подразделение;
- Удалить - окончательно удаляет учащегося из базы.

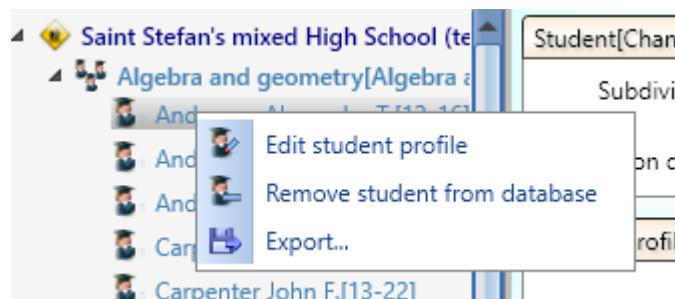


Рис.241 Контекстное меню учащегося

Пункты контекстного меню:

- Редактировать данные учащегося - показывает диалог с карточкой учащегося в режиме редактирования;
- Удалить учащегося из базы - показывает диалог подтверждения перемещения учащегося в архив;
- Экспорт... - позволяет экспортировать карточку данного учащегося.

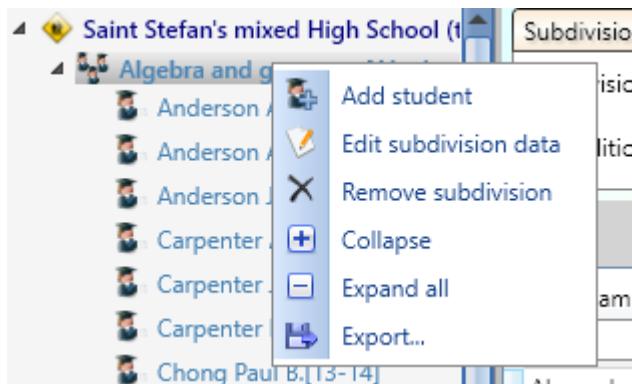


Рис.242 Контекстное меню подразделения

- Добавить учащегося - показывает диалог с карточкой учащегося в режиме добавления;
- Редактировать подразделение - показывает диалог с карточкой подразделения в режиме редактирования;
- Удалить подразделение - показывает диалог подтверждения удаления подразделения и автоматического перемещения всех его учащихся в архив;
- Свернуть - сворачивает графический элемент древовидного представления подразделения;
- Раскрыть все - разворачивает графический элемент древовидного представления подразделения;
- Экспорт... - позволяет экспортировать данные о подразделении и каждом из его учащихся.

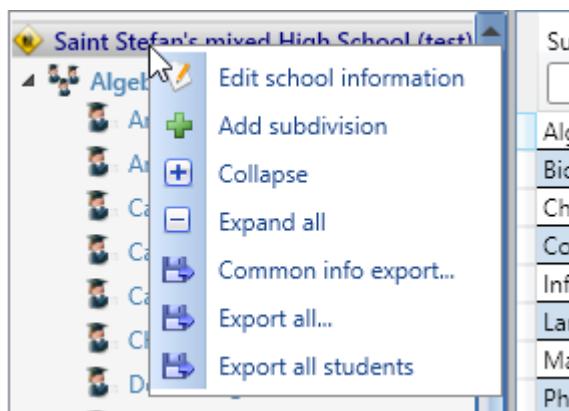


Рис.243 Контекстное меню учебного заведения

- Правка учебного заведения - показывает диалог просмотра и редактирования данных об учебном заведении;
- Добавить подразделение - показывает диалог с карточкой подразделения в режиме добавления;
- Свернуть - сворачивает графический элемент древовидного представления учебного заведения;
- Раскрыть все - разворачивает графический элемент древовидного представления учебного заведения и каждый из его дочерних элементов;
- Экспорт сводной информации... - позволяет экспортировать сводные данные об учебном заведении и его подразделениях;
- Экспорт всего... - позволяет экспортировать все сведения, хранящиеся в базе данных по учебному заведению;

- Экспорт всех учащихся - позволяет экспортировать карточки всех учащихся, имеющиеся в базе данных, за исключением архива.

Algebra and geometry	Algebra and geometry for youngest	24	
Biology	Biology for youngest	24	
Chemistry	Chemistry for youngest	24	
Common class	Basic knowledge (history and democracy)	24	
Informatics	IT for youngest	24	
Languages	French for youngest	24	
Mathematics	For young mathematicians	24	
Physics	For young physicists	24	

Рис.244 Контекстное меню подразделения (в таблице)

- Добавить учащегося - показывает диалог с карточкой учащегося в режиме добавления в выбранное подразделение;
- Редактировать подразделение - показывает диалог с карточкой подразделения в режиме редактирования;
- Удалить подразделение - показывает диалог подтверждения удаления подразделения и автоматического перемещения всех его учащихся в архив;
- Экспорт... - позволяет экспортировать данные о подразделении и каждом из его учащихся.

Alexander	T.	Anderson	13-15	1152286675	7349	566694715	Anderson16@testdb.local
Anna	S.	Anderson	13-15	1152286678	17	1152286678	Anderson19@testdb.local
John	K.	Anderson	13-15	1152286679	320	486901957	Anderson18@testdb.local
Anne	B.	Carpenter	13-23	1906341737	8677	1906341737	Carpenter2@testdb.local
John	F.	Carpenter	13-23	28901503-363539743	91	546113882	Carpenter22@testdb.local
Paige	F.	Carpenter	13-23	28901503-363539743	1269549695		Carpenter23@testdb.local

Рис.245 Контекстное меню учащегося (в таблице)

Контекстное меню учащегося в табличном виде аналогично таковому в древовидном представлении



Внимание: Все типы экспорт осуществляются через контекстное меню выделенного элемента!

7.5.17 Статусная строка

Строка состояния расположена внизу главного окна программы и отображает следующую информацию: в левой части - имя пользователя в текущем сеансе. В правой части:

- Общее количество подразделений в текущем элементе;
- Общее количество учащихся в текущем элементе.

Admin [Administrator mode]	Subdivisions 10	Students 23	...
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Рис.246 Страна состояния

7.5.18 Клавиатурные сокращения

Для большинства действий в программе **Диалог Nibelung StudDB** имеются клавиатурные сочетания.

Команды, работающие во всех режимах:

№	Команда	Сочетание клавиш
1	Сохранить базу данных *	<u>Ctrl + S</u>
2	Завершить сеанс	<u>Ctrl + L</u>

№	Команда	Сочетание клавиш
3	Выход	<u>Alt + F4</u>
4	Добавить подразделение	<u>Ctrl + Alt + A</u>
5	Редактировать подразделение	<u>Ctrl + Alt + E</u>
6	Удалить подразделение	<u>Ctrl + Alt + D</u>
7	Добавить учащегося	<u>Alt + A</u>
8	Редактировать данные учащегося	<u>Alt + E</u>
9	Удалить учащегося	<u>Alt + D</u>
10	Показать настоящее руководство	<u>F1</u>

* - команда доступна только в режиме резервирования.

Команды, работающие только в административном режиме:

№	Команда	Сочетание клавиш
1	Создать базу данных	<u>Ctrl + N</u>
2	Соединиться с базой данных	<u>Ctrl + O</u>
3	Отсоединиться от базы данных	<u>Ctrl + W</u>
4	Открыть диалог "Настройки программы"	<u>Ctrl + H</u>
5	Открыть диалог "Управление пользователями"	<u>Ctrl + U</u>

Команды, доступные только из контекстных меню:

- Очистить архив;
- Свернуть (элемент древовидного представления);
- Раскрыть все (элемент древовидного представления);
- Правка учебного заведения;
- Восстановить учащегося;
- Удалить учащегося (из архива);
- Экспорт:
 - учебного заведения (все);
 - учебного заведения (только учащиеся);
 - учебного заведения (только сводная информация);
 - всех учащихся;
 - подразделения;
 - учащегося;
 - архива.



Информация: Если команда в данный момент неприменима, то соответствующий элемент меню, панели инструментов и клавиатурное сочетание работать не будут

7.5.19 Поиск

В программе **Диалог Nibelung StudDB** реализована фильтрация записей для их эффективного поиска. Фильтрация работает в двух режимах: по всем полям и по каждому полю.

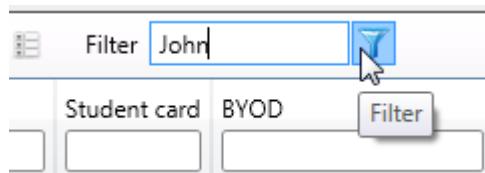


Рис.247 Фильтр по всем полям

First name	Middle name	Last name	Student ID	BYOD	Student mobile	E-Mail
		An				
Anna	S.	Anderson	13-19	9018738-1304056817	1152286678	Anderson19@test
John	K.	Anderson	13-18	848036253-505836320	486901957	Anderson18@test
Farrah	S.	Kernighan	13-0	524784022-757222490	1429002724	Kernighan0@test
Farrah	W.	Kernighan	13-21	1874831777-1458781258	1937974100	Kernighan21@test
Michael	T.	Von Feinecranzer	13-8	950262441-779190831	1322836459	Von Feinecranzer8

Рис.248 Фильтр по каждому полю

- В первом режиме поиск ведется **по всем полям** записей, отображаемых в данный момент в табличном виде. Например, после ввода в поле фильтра строки "####", будут отображены учащиеся с именем "Владимир", отчеством "Владиславович" и так далее.
- Во втором режиме фильтр работает **по каждому полю**, позволяя производить избирательный поиск. Под заголовком каждого столбца имеется поле, ввод данных в которое будет оставлять в таблице только те записи, которые содержат данную строку в данном столбце.



Внимание: Фильтр по всем полям и фильтр по каждому полю не работают одновременно

7.5.20 Архив учащихся

В программе существуют два сравнительно независимых друг от друга хранилища учащихся:

- Учебное заведение;
- Архив.

Рис.249 Архив учебного заведения

Любого учащегося можно поместить в архив, так и перевести (восстановить) из архива в любое из имеющихся подразделений. Также можно удалить учащегося из архива; при этом он удаляется

из базы данных **окончательно**. Архив возможно очистить целиком, выбрав пункт контекстного меню **Очистить архив**.

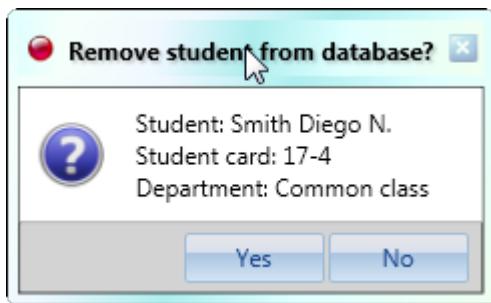


Рис.250 Запрос на окончательное удаление



Важное замечание: При удалении подразделения все его учащиеся автоматически помещаются в архив

7.6 Работа с подразделениями

7.6.1 Добавление подразделения

Для добавления подразделения в учебное заведение выполните любое из нижеуказанных действий:

- Выберите пункт меню **Подразделение > Добавить подразделение**;
- Нажмите кнопку **Добавить подразделение** на панели инструментов;
- Выберите соответствующий пункт контекстного меню учебного заведения;
- Нажмите кнопку **Добавить** (п. [Приглашение к быстрому созданию элемента](#) на стр.199) в случае отсутствия подразделений в недавно созданной базе данных;
- Нажмите сочетание клавиш **Ctrl + Alt + A**.

Справа от области древовидного просмотра появится диалог подразделения. Введите имя и описание подразделения в соответствующие поля, например: название подразделения - "11А", дополнительно - "выпускной класс (физико-математический)".



Рис.251 Диалог подразделения в режиме добавления

Для выполнения команды добавления нажмите кнопку **Добавить** или клавишу **Enter**. Для отмены нажмите кнопку **Отмена** или клавишу **Esc**.



Важное замечание: Программа не даст добавить новое подразделение, если в базе данных уже существует подразделение с таким же именем. Возможно, в этом случае Вам не нужно добавлять подразделение, т.к. оно уже было добавлено ранее. Если же речь идет о другом подразделении, то существуют такие варианты дальнейших действий:

- изменить имя создаваемого подразделения;
- перед созданием нового подразделение переименовать предыдущее подразделение с таким же именем;
- удалить предыдущее подразделение (**примечание:** этот метод не рекомендуется, поскольку учащиеся удаленного подразделения будут автоматически переведены в архив).

7.6.2 Редактирование подразделения

Для редактирования существующего подразделения выполните любое из нижеуказанных действий для выделенного подразделения:

- Выберите пункт меню **Подразделение > Редактировать подразделение**;
- Нажмите кнопку **Редактировать подразделение** на панели инструментов;
- Выберите соответствующий пункт контекстного меню подразделения в древовидном или табличном просмотре;
- Нажмите сочетание клавиш **Ctrl + Alt + E**;
- Выделив подразделение в области древовидного просмотра, нажмите клавишу **Enter** или **F2**.

Справа от области древовидного просмотра появится диалог (см. [Рис.251](#) на стр.209) в режиме редактирования. Измените имя и описание подразделения на нужные. Для выполнения команды редактирования подразделения нажмите кнопку **Изменить** или клавишу **Enter**. Для отмены - нажмите кнопку **Отмена** или клавишу **Esc**.



Важное замечание: Программа не даст отредактировать подразделение, если в базе данных уже существует подразделение с таким же именем, на которое Вы хотите отредактировать текущее подразделение. Возможные варианты действий в таком случае описаны в предыдущем разделе Руководства (п. [Добавление подразделения](#) на стр.209)

7.6.3 Удаление подразделения

Для удаления существующего подразделения выполните любое из нижеуказанных действий для выделенного подразделения:

- Выберите пункт меню **Подразделение > Удалить подразделение**;
- Нажмите кнопку **Удалить подразделение** на панели инструментов;
- Выберите соответствующий пункт контекстного меню подразделения в древовидном или табличном просмотре;
- Нажмите сочетание клавиш **Ctrl + Alt + D**.

В зависимости от сделанной команды появится диалог (см. [Рис.251](#) на стр.209) в режиме удаления, либо информационный запрос, содержащий данные об удаляемом подразделении.

Подтвердите или отмените операцию удаления.



Важное замечание: Подразделение при удалении удаляется безвозвратно, но его учащиеся помещаются в архив. При необходимости этих учащихся можно восстановить из архива, переведя в нужное подразделение, или удалить из базы данных окончательно.



Информация: В режиме работы программы **Диалог Nibelung StudDB с резервированием** (п. [Режимы работы с базой данных](#) на стр.214) фактическое применение всех операций происходит только после выполнения команды **Сохранить базу данных** либо после выполнения программой команды **автоматического сохранения** (если включен соответствующий пункт настроек (см. [Окно настроек программы](#) на стр.192)).

7.7 Работа с учащимися

7.7.1 Добавление учащегося

Для добавления в подразделение нового учащегося выполните любое из нижеуказанных действий:

- Выберите пункт меню **Учащийся > Добавить учащегося**;
- Нажмите кнопку **Добавить учащегося** на панели инструментов;
- Выберите соответствующий пункт контекстного меню подразделения или учебного заведения;
- Нажмите кнопку **Добавить** (см. [Приглашение к быстрому созданию элемента](#) на стр.199) в случае отсутствия учащихся в созданном ранее подразделении;
- Нажмите сочетание клавиш **Alt + A**.

Справа от области древовидного просмотра (п. [Древовидное представление элементов учебного заведения](#) на стр.201) появится диалог (см. [Диалог свойств \(карточка\) учащегося](#) на стр.195) в режиме **добавления новой записи**.

Для выполнения команды добавления нажмите кнопку **Добавить** или клавишу **Enter**. Для отмены нажмите кнопку **Отмена** или клавишу **Esc**.



Важное замечание: Программа не даст добавить учащегося, если в базе данных уже существует учащийся с таким же номером карточки. Возможно, в этом случае Вам не нужно добавлять учащегося, т.к. он уже был добавлен ранее. Если же речь идет о другом учащемся, то существуют такие варианты дальнейших действий:

- изменить номер карточки создаваемого учащегося;
- перед созданием нового учащегося изменить номер карточки у уже существующего в базе учащегося;
- поместить учащегося с таким же номером карточки в архив.

7.7.2 Редактирование данных учащегося

Для редактирования существующего учащегося выполните любое из нижеуказанных действий для выделенного учащегося:

- Выберите пункт меню **Учащийся > Редактировать учащегося**;
- Нажмите кнопку **Редактировать учащегося** на панели инструментов;
- Выберите соответствующий пункт контекстного меню учащегося в древовидном или табличном просмотре;
- Нажмите сочетание клавиш **Alt + E**;
- Выделив учащегося в области древовидного просмотра, нажмите клавишу **Enter** или **F2**.

Справа от области древовидного просмотра появится диалог (см. [Диалог свойств \(карточка\) учащегося](#) на стр.195) в режиме **редактирования существующей записи**.

Для выполнения команды изменения нажмите кнопку **Изменить** или клавишу **Enter**. Для отмены нажмите кнопку **Отмена** или клавишу **Esc**.

7.7.3 Перевод учащегося

Для перевода учащегося в другое подразделение можно поступить двумя способами:

- Вызвать карточку учащегося (см. [Диалог свойств \(карточка\) учащегося](#) на стр.195) и указать в ниспадающем списке целевое подразделение;
- Находясь в области древовидного представления, "перетащить" учащегося методом drag'n'drop (см. [Glossary](#) на стр.232) в целевое подразделение.

7.7.4 Удаление (архивация) учащегося

Для удаления (архивации) существующего учащегося выполните любое из нижеуказанных действий для выделенного учащегося:

- Выберите пункт меню **Учащийся > Удалить учащегося**;
- Нажмите кнопку **Удалить учащегося** на панели инструментов;
- Выберите соответствующий пункт контекстного меню учащегося в древовидном или табличном просмотре;
- Нажмите сочетание клавиш **Alt + D**;
- Выделив учащегося в области древовидного просмотра, нажмите клавишу **Delete**. (в этом случае появится не диалог, а запрос на удаление учащегося).

Справа от области древовидного просмотра появится карточка учащегося (см. [Диалог свойств \(карточка\) учащегося](#) на стр.195) в режиме **удаления (архивации) существующего учащегося**.

Для выполнения команды удаления нажмите кнопку **Удалить** или клавишу **Enter**. Для отмены нажмите кнопку **Отмена** или клавишу **Esc**.

7.7.5 Восстановление учащегося из архива

Для восстановления учащегося из архива можно поступить следующими способами:

- выбрать пункт "Восстановить" контекстного меню учащегося, находящегося в архиве. Это можно сделать как в табличном виде, так и в области древовидного просмотра. Появится диалог, в котором можно будет указать целевое подразделение (т.е. то, в которое будет восстановлен учащийся);
- в области древовидного представления "перетащить" учащегося методом drag'n'drop (см. [Glossary](#) на стр.232) в целевое подразделение.

7.8 Ответы на часто задаваемые вопросы (FAQ)

7.8.1 Требования к системному программному обеспечению

В каких операционных системах работает программа Диалог Nibelung StudDB?

Программа **Диалог Nibelung StudDB** работает во всех операционных системах, в которых возможна установка .NET Framework 4.0, а именно:

- Microsoft Windows XP
- Microsoft Windows Vista
- Microsoft Windows 7
- Microsoft Windows 8
- Microsoft Windows 8.1
- Microsoft Windows 10
- Microsoft Windows Server 2003
- Microsoft Windows Server 2008
- Microsoft Windows Server 2012

7.8.2 Установка и настройка

Какие могут возникнуть трудности при установке и настройке программы?

Перед началом установки программы **Диалог Nibelung StudDB** рекомендуем ознакомиться со следующим разделом: [Рекомендации по установке ПО Диалог Nibelung StudDB](#) на стр.189 .

Какое имя и пароль преподавателя по умолчанию?

По умолчанию имя преподавателя: **Admin**, пароль: **Admin**.

Где находятся настройки программы?

Для вызова диалога с настройками необходимо зайти в программу в режиме администратора. Диалог можно вызвать сочетанием клавиш **Ctrl+H** или выбрать соответствующий пункт меню или кнопку панели инструментов

Как запустить программу в режиме администратора?

Для этого достаточно войти в программу под именем **Admin**

7.9 Экспорт

Программа **Диалог Nibelung StudDB** позволяет экспортировать:

- карточку одного учащегося;
- подразделение вместе со всеми его учащимися;
- учебное заведение (сводная информация);
- учебное заведения (полная информация);

- всех учащихся, расположенных в архиве;
- всех учащихся учебного заведения.

Экспорт реализован в форматы csv, txt и html (см. [Glossary](#) на стр.232).



Информация: При экспорте учащихся (единичная карточка или набор учащихся) в формат html экспортируются также их фотографии. Они находятся в каталоге, расположенном там же, где и html файл экспорта и названном так же, однако имеющем приставку _files в конце имени

Чтобы выполнить экспорт, вызовите контекстное меню учебного заведения, подразделения, архива или единичного учащегося и выберите пункт Экспорт. В появившемся диалоге выберите:

- формат экспортируемых данных;
- каталог, куда будет произведен экспорт;
- имя файла для экспорта.

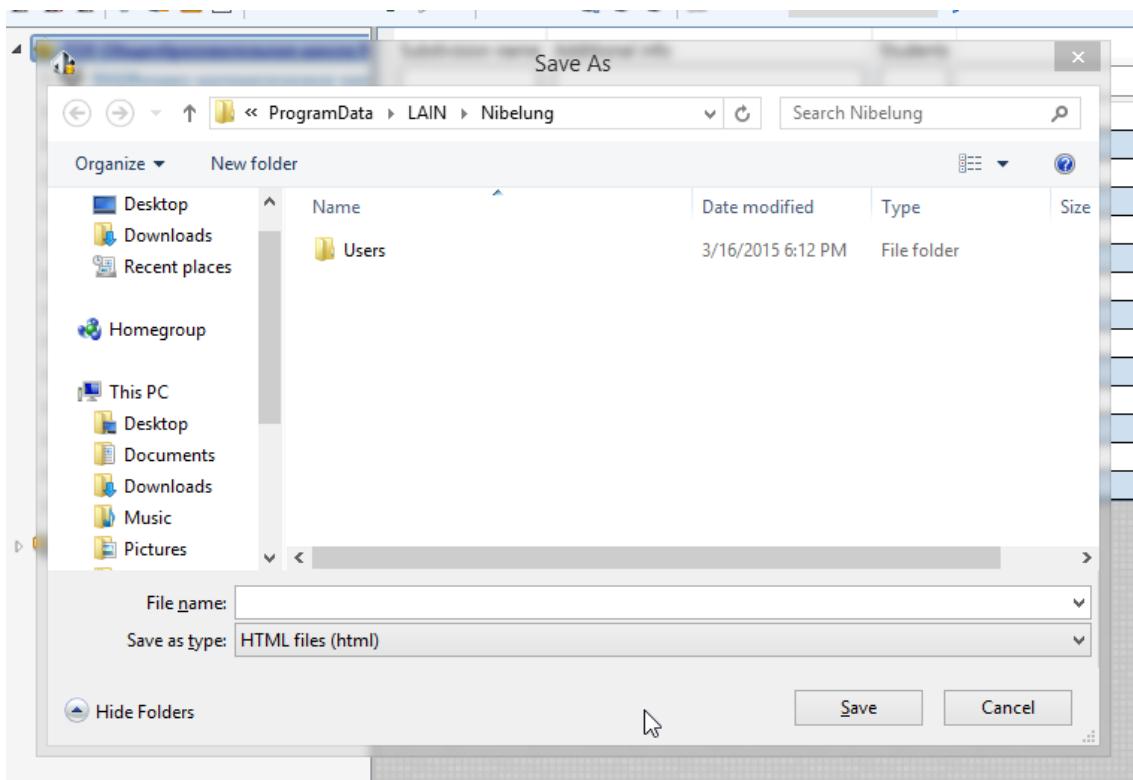


Рис.252 Пример диалога экспорта



Информация: При отсутствии расширения у экспортируемого файла программа добавит его самостоятельно

7.10 Советы по работе с программой

- Начните с создания нужных подразделений, затем добавляйте в них учащихся;
- Свойства выбранных в области древовидного представления можно посмотреть и изменить, нажав клавишу **F2**;
- Навигация по всему окну программы, а также по области древовидного представления, табличному виду и внутренним диалогам возможны как с помощью мышки, так и с помощью клавиатуры. Для навигации используются стандартные клавиатурные сочетания: **Tab**, **Ctrl + Tab**, стрелки **влево**, **вправо**, **вверх** и **вниз**. Эти клавиши используются как в области древовидного просмотра, так и в табличном виде и во всех диалогах и окнах программы;
- При наведении мышки на элемент в области древовидного просмотра будет показана карточка с основной информацией о нем;

- При необходимости можно изменить ширину области древовидного просмотра и навигации с помощью разделителя, расположенного справа от нее. При наведении на эту область мышкой появляется курсор, сигнализирующий о возможности изменения ширины области. Нажмите левую кнопку мыши и начните перемещение в нужную Вам сторону;
- У каждого элемента как в области древовидного просмотра, так и в табличном виде, имеется контекстное меню, которое можно вызвать правой кнопкой мыши или стандартной клавишей клавиатуры "контекстное меню";
- При вызове контекстного меню для произвольного (т.е., в общем случае - невыделенного) элемента он выделяется автоматически и любой пункт контекстного меню будет применяться к этому элементу;
- Если программа работает в режиме с резервированием (см. [Режимы работы с базой данных](#) на стр.214), появляется соответствующая кнопка на панели инструментов и пункт меню **Файл > Сохранить базу данных**. В этом случае все изменения в базе данных будут зафиксированы **только после нажатия этого пункта меню** (или кнопки "Сохранить"). При выходе из программы или завершении сеанса работы программа предложит сохранить изменения. При включенном режиме **автосохранения** резервная база данных будет автоматически записываться в основную каждые несколько минут согласно заданному интервалу);
- Для быстрой установки даты рождения в карточке учащегося можно использовать стрелки клавиатуры;
- В области табличного просмотра можно поменять порядок столбцов, просто перетащив их мышкой;
- Для быстрого перевода учащихся, их удаления или восстановления, используйте **drag'n'drop** (см. [Glossary](#) на стр.232). Целевое подразделение будет подсвеченено, а перемещенный элемент окажется в конце древовидного представления соответствующего подразделения;
- Используйте режим показа всех учащихся для поиска учащегося, подразделение которого Вам точно неизвестно, но о котором известны некоторые данные (например, фамилия или дата рождения);
- Для быстрой ревизии базы данных экспортируйте целиком учебное заведение, подразделение или список учащихся в формат **html**. Так Вы сможете быстрее найти учащихся, узнав их по фотографии, а также использовать во всей полноте средства поиска, встроенные в любой современный браузер.

7.11 Режимы работы с базой данных

В программе **Диалог Nibelung StudDB** реализовано два режима работы с базой данных:

- Режим прямой работы;
- Режим с резервированием (режим отложенной записи).

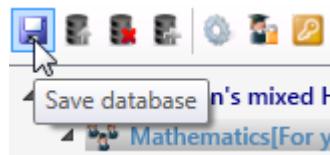


Рис.253 Кнопка сохранения в режиме резервирования на панели инструментов

Нужный режим устанавливается включением или выключением опции **Режим резервирования** (п. [Окно настроек программы](#) на стр.192). Настраивать режим следует системному администратору. В режиме прямой работы с базой данной любое действие, произведенное редактором базы, немедленно применяется к базе данных. При включенном режиме резервирования вся работа происходит с **временной базой данных**. Это значит, что любые изменения, сделанные пользователем, записываются во временную базу и оказываются в основной базе данных только после выполнения команды **Сохранить базу данных**.



Эта команда выполняется пользователем вручную (при завершении сеанса работы или закрытии программы пользователю в любом случае выдается запрос на сохранение изменений) и, при включен-

ном режиме автоматического сохранения, автоматически через интервал, заданный в окне настроек программы (см. [Окно настроек программы](#) на стр.192).

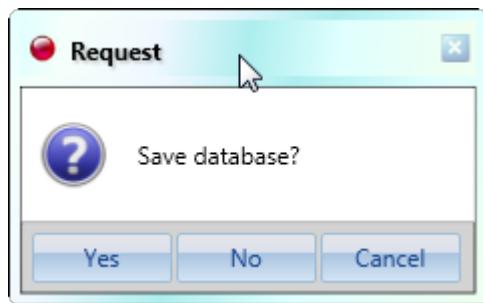


Рис.254 Запрос на сохранение изменений



Информация: Интервал автоматического сохранения задается в минутах

7.12 Системному администратору

В программе **Диалог Nibelung StudDB** существует разграничение пользователей по уровню доступа. После установки существует единственная учетная запись **Admin** с паролем по умолчанию **Admin**. Для настройки зайдите в программу, введя **пароль администратора**. После этого можно производить следующие действия:

- С помощью диалога управления пользователями (п. [Окно управления пользователями](#) на стр.192):
 - добавление пользователя;
 - изменения пароля пользователя;
 - удаление пользователя.
- Создание новой базы данных StudDB;
- Подключение к произвольной базе данных StudDB;
- С помощью диалога настроек программы (п. [Окно настроек программы](#) на стр.192):
 - Изменение языка интерфейса программы;
 - Установка базы данных, с которой будут работать пользователи;
 - Задание контактных данных для связи пользователей с администратором;
 - Управление режимом запроса подтверждений при удалении;
 - Управление режимом резервирования базы данных;
 - Управление режимом автоматического сохранения и его интервалом.



Информация: Задайте данные для связи в настройках, чтобы пользователи в случае забытого пароля или иных проблем не оставались один на один со своей проблемой.



Информация: Обычным пользователям задавать пароль желательно, но не обязательно.



Важное замечание: После установки программы поменяйте административный пароль по умолчанию на новый!

Во время работы программы **Диалог Nibelung StudDB** протоколирует действия в **log-файл**. В случае необходимости его можно посмотреть в каталоге %TEMP%\Nibelung\StudDB.log текущего пользователя операционной системы.

При работе в режиме резервирования базы данных программа **Диалог Nibelung StudDB** оперирует с **базой данных**, расположенной в каталоге %TEMP%. Имя файла базы имеет вид "1234567890-tmp.db". Временная база представляет с собой копию базы со времени последнего сеанса работы с ней, к которой добавлены изменения, сделанные в текущем сеансе. Если по каким-либо причинам (напри-

мер, сбой питания) работа была прервана, можно попробовать восстановить последние изменения. Для этого надо:

- Открыть сохраненную временную базу в административном режиме;
- Убедиться в том, что это именно та база, которая редактировалась до завершения работы и что она **содержит последние изменения**, ради которых требуется восстановление;
- Сделать резервную копию текущей базы ([Окно настроек программы](#) на стр.192 содержит информацию о текущем файле базы данных);
- Вручную переместить временную базу в целевой каталог, задав ей удобное имя;
- Выбрать используемую базу данных в окне настроек программы.

7.13 Возможные ошибки

Не открывается база данных

- войдя в режим администратора, проверьте наличие файла базы данных по пути, указанному в настройках. При отсутствии файла:
 - создайте базу заново и укажите путь к ней в настройках;
 - переместите нужный файл базы соответственно настройкам пути и имени файла базы;
 - укажите в настройках пути любой ранее созданный файл базы данных StudDB, имеющийся на локальном компьютере или в сети;
 - проверьте, не блокируется ли доступ к базе данных сторонней программой, например, антивирусом;
 - с помощью диспетчера задач проверьте, не остался ли модуль программы (StudDB.exe) загруженным в памяти при том, что сама программа была закрыта или не была запущена повторно; если такой процесс есть, завершите его;
 - убедитесь, что в каталоге с установленной программой существует файл **System.Data.SQLite.dll**. При его отсутствии переустановите программу.

Программа не запускается

- переустановите программу;
- убедитесь с помощью Вашего системного администратора, что каталоги программы доступны для чтения и записи текущим пользователем системы.

8. SUGGESTED LESSON WORKFLOW

1. Turn on the teacher and student workstations. Student workstation can be turned on remotely from the teacher workstation if they have been set up to do so (see [Network interface setup on Windows Vista and windows 7](#) on page 36).
2. Launch the teacher module and student modules if they have not been already launched upon Windows startup.
3. Log into your account in the teacher module. For a new teacher, log in as [Admin](#) and add a teacher account (section [Teacher accounts](#) on page 64).
4. Open a class file. If this is a new class, select **Class > New** from the main menu, and enter number of students in the class and number of rows in the virtual classroom. You can also (re)arrange student seats manually and edit the class list. Save the class file on the teacher workstation (section [Class layout](#) on page 69).
5. Perform student roll call registration (section [Roll call registration](#) on page 71). Correct student names if necessary.
6. You can now arrange students into groups (section [Grouping of students](#) on page 78) and assign them activities (section [Student activities](#) on page 112).
7. Process of finishing a lesson depend on the types of activities performed during the session. For example, after a self access activity it might be necessary to collect classroom assignments (section [Self access](#) on page 113).
8. You can copy lesson materials between the teacher folder and removable media using standard **Windows** tools.
9. Student workstations can be shut down remotely from the teacher module (section [Power control](#) on page 106).
10. Exit the teacher module and shut down the teacher workstation (if necessary).

9. AUDIO HUB

9.1 Advantages of using an audio hub

Dialog 5 audio hub together with student interface devices allows you to transmit audio over dedicated lines bypassing the classroom LAN.

By using **Dialog Nibelung** with the audio hub you can avoid the following problems frequently arising from transmission of audio across computer networks:

- degraded audio quality: pops, clicks and dropouts;
- echo;
- delay;
- lack of hardware loopback.



Tip: *Audio loopback allows you to hear yourself through your headset. Support for audio hardware loopback was eliminated in **Windows Vista** and subsequent versions, while its software emulation introduces additional delay and echo.*



Attention: *Installation of the audio hub should be performed by a qualified technician. Please contact the manufacturer (<http://www.lainlab.com>) if you require further assistance.*

9.2 Audio hub overview

The audio hub facilitates high quality audio transmission in the classroom. It operates under the control of **Dialog Nibelung** teacher module, with which it communicates via the classroom LAN.

The front panel of the audio hub contains the Power On/Off switch and three indicators (*Figure 255:* on page 218).

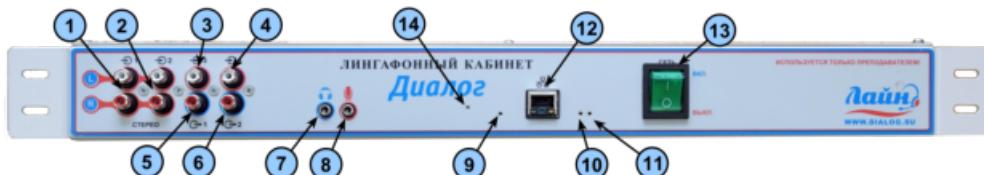


Figure 255: Audio hub: front panel

Front panel controls:

- | | |
|---|---|
| 1 | Operational indicator light (green LED) |
| 2 | +5V indicator light (red LED) |
| 3 | -12V indicator light (red LED) |

 4 Power on/Off switch



Figure 256: Audio hub: front panel indicators

The rear of the audio hub contains connectors for student interfaces (model shown in the picture can serve up to 20 students), 3 external audio sources, teacher workstation audio interface, teacher's headphones and microphone, LAN, and the power cord ([Figure 257: on page 219](#)). The unit is equipped with a worldwide power supply and can be powered from 85-264 VAC / 47-63 Hz mains by connecting a compatible cord.

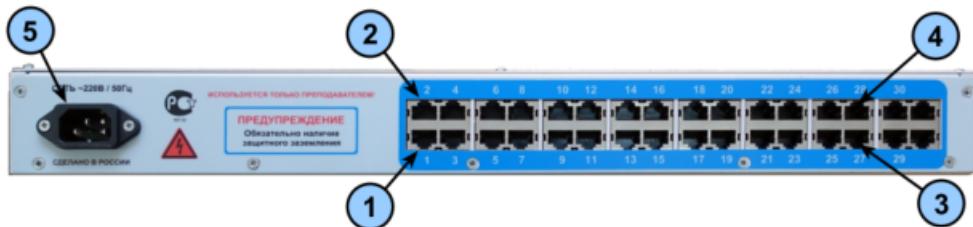


Figure 257: Audio hub: rear panel view

Connectors on the audio hub rear panel:

- 1 Power cord connector (IEC60320/C14)
- 2 LAN connector (RJ-45)
- 3 Input 1 connector (RCA)
- 4 Output 1 connector (RCA)
- 5 Input 2 connector (RCA)
- 6 Output 2 connector (RCA)
- 7 Input 3 connector (RCA)
- 8 Output 3 connector (RCA)
- 9 Input 4 connector (RCA), to be connected to the **Line Out** of the teacher workstation audio interface
- 10 Output 4 connector (RCA), to be connected to the **Line In** of the teacher workstation audio interface
- 11 Teacher headphones connector (3.5 mm jack)
- 12 Teacher microphone connector (3.5 mm jack)
- 13 Student interface 1 connector (RJ-45)

-
- 14 Student interface 2 connector (RJ-45)
 - 15 Student interface 19 connector (RJ-45)
 - 16 Student interface 20 connector (RJ-45)
-



Attention: Please note that the sequential number of student interface connector must correspond to the Student Seat ID number for correct operation of the audio hub with **Dialog Nibelung**.



Tip: The audio hub will try to obtain an IP address via **DHCP**. If no **DHCP** servers can be reached, the audio hub will take first available address in the **192.168.0.100 – 192.168.0.255** range.



Attention: It is also possible to assign a static IP address to the hub, change the MAC address, and port number. Point your browser to **<http://x.x.x.x/cmg.cgi?cmd=set>**, where **x.x.x.x** is the current IP address of the audio hub. Edit the settings and submit the form (**Figure 258:** on page 220). Please note that these settings are password protected. Contact Lain Ltd. to obtain the password.

Board IP	10.0.3.221
Subnet Mask	255.255.255.0
Gateway IP	10.0.3.1
MAC Address	00-1a-b6-01-b3-ad
Port	7007
Use DHCP	<input checked="" type="checkbox"/>
Password	

submit

Figure 258: Audio hub network settings

9.3 Student interface

Student interface is a device installed in the vicinity of the student workstation that connects student workstation and headset to the audio hub.

Connectors for the student workstation and two headsets are located on the rear panel of the student interface ([Figure 259: on page 221](#)).

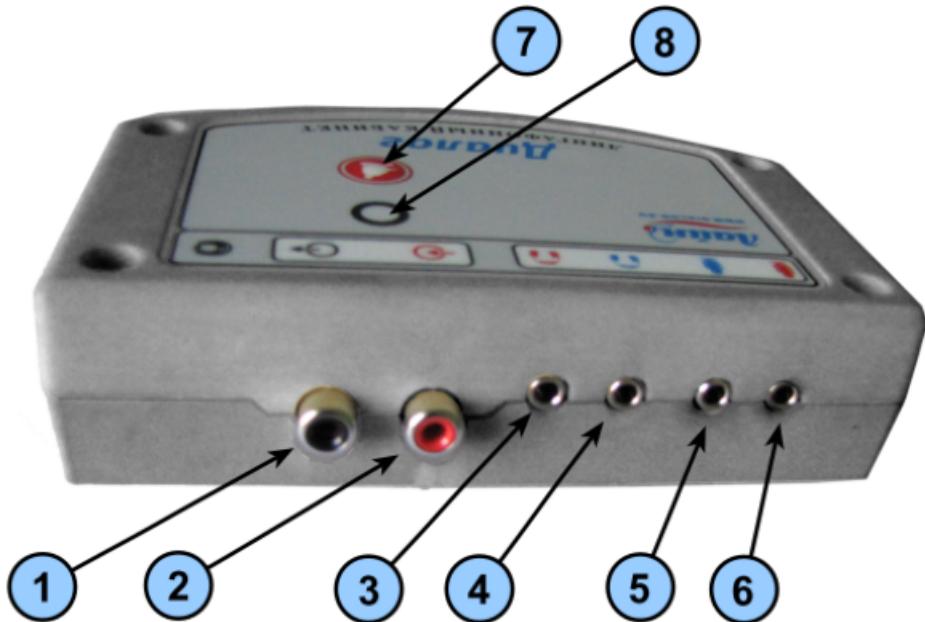


Figure 259: Student interface controls and connectors

Student interface controls and connectors:

-
- 1 **Line Out** (RCA) for connecting to the **Line In** of the student workstation audio interface
 - 2 **Line In** (RCA) for connecting to the **Line Out** of the student workstation audio interface
 - 3 Headset 1 headphones (3.5 mm jack)
 - 4 Headset 2 headphones (3.5 mm jack)
 - 5 Headset 2 microphone (3.5 mm jack)
 - 6 Headset 1 microphone (3.5 mm jack)
 - 7 **Call teacher** button
 - 8 **Call teacher** indicator light
-

The **Call** and **Ring** light are located on the top panel of the student interface.

The **Call teacher** button operates just like the corresponding software button in the **Dialog Nibelung** student module.



Important: *Line In* of the student workstation sound card should be connected to the *Line Out* of the student interface and vice versa.

9.4 Connecting the audio hub

Connection diagram for a classroom equipped with Ethernet LAN and an audio hub is shown in [Figure 260](#): on page 222 .

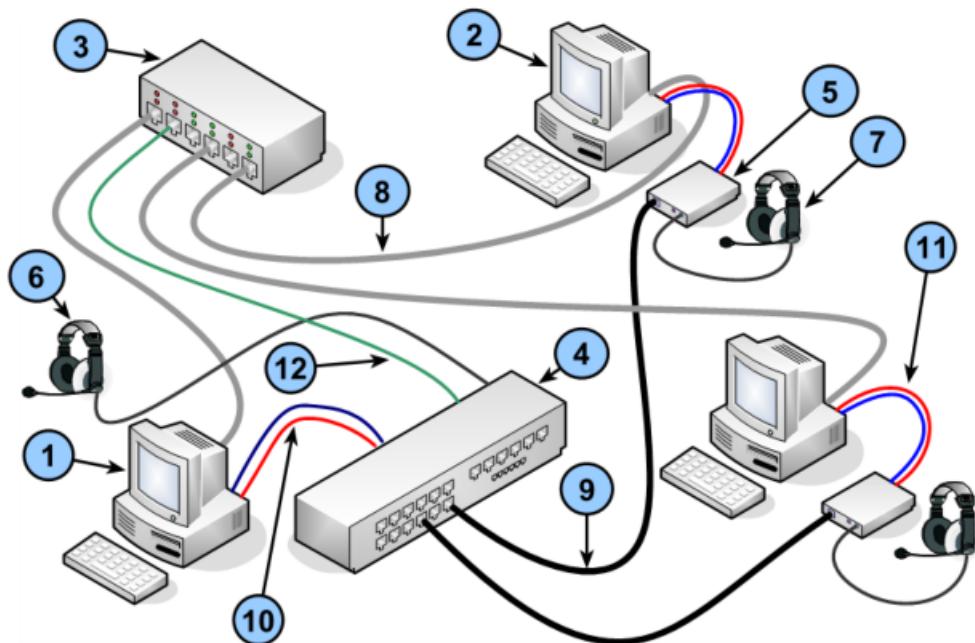


Figure 260: Audio hub connection diagram

Elements on the connection diagram:

-
- | | |
|----|---|
| 1 | Teacher workstation |
| 2 | Student workstation |
| 3 | Ethernet switch (or Wi-Fi router in case of wireless network) |
| 4 | Audio hub |
| 5 | Student interface |
| 6 | Teacher headset |
| 7 | Student headset |
| 8 | LAN cable (not necessary for wireless LAN) |
| 9 | Multipurpose cable connecting audio hub with student interface |
| 10 | Audio cables connecting audio hub with the teacher workstation |
| 11 | Audio cables connecting student interface with student workstation |
| 12 | Audio hub LAN cable for control & monitoring |
-

9.5 Working with the audio hub

Dialog Nibelung will automatically find an audio hub connected to the classroom LAN and will reconfigure itself to take advantage of the available hardware. Otherwise, it will operate in regular mode as described in section [Teacher module](#) on page 51 .



Tip: The audio hub allows for connections to a maximum of 28 student workstations. Student workstations with IDs above 28 will still be able to communicate via the classroom LAN.

There is an icon indicating presence of the audio hub in **Dialog Nibelung** teacher module status bar (#1 in [Figure 261](#): on page 223). This icon appears in color whenever **Dialog Nibelung** has established communications with the audio hub and gray otherwise.

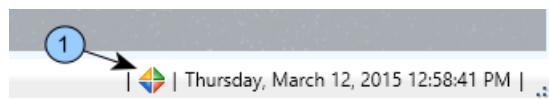


Figure 261: Audio hub status icon in the teacher module

Likewise, student modules connected to the audio hub will display the same icon in place of the online/offline status icon in the status bar (#4 in [Figure 165](#): on page 155).



Figure 262: Audio hub status icon in the student module

A new **Audio hub** item will appear in the **Media sources** menu (section [Media sources](#) on page 128) whenever **Dialog Nibelung** recognizes an audio hub.

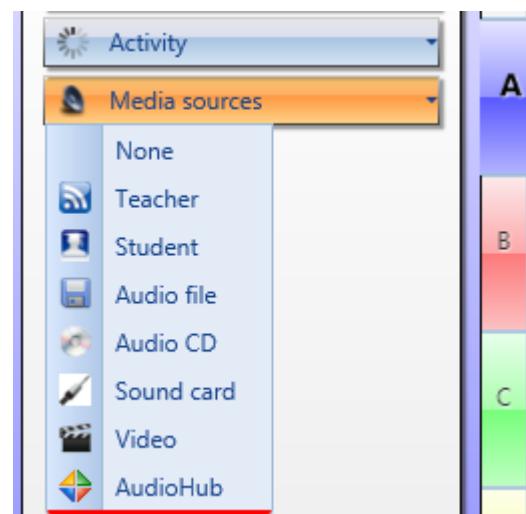


Figure 263: **Media sources** menu

Select **Audio hub** as a media source to open the control tab where you can choose between the following sources connected to the hub:

- **Teacher;**
- **Student;**
- **External source;**
- **Teacher plus external source.**

- **None;**

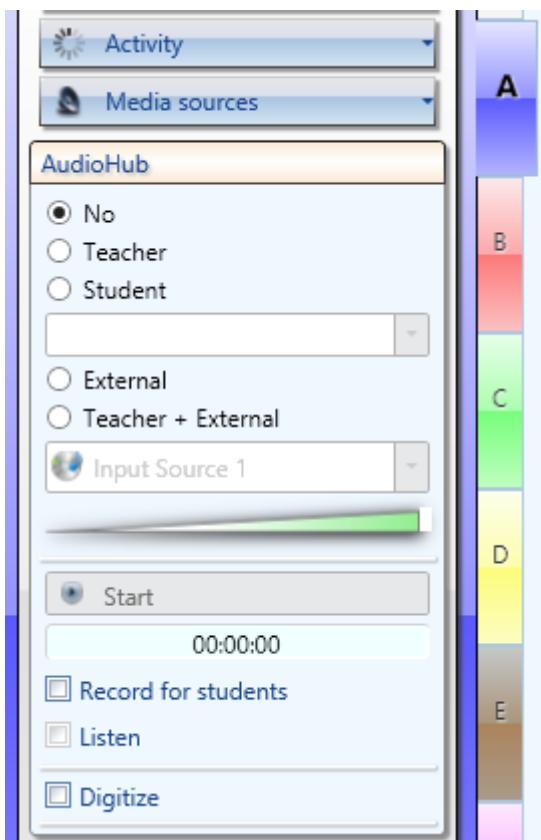


Figure 264: **Audio hub** source control tab

If an external source is selected, you can also choose between several external sources connected to the audio hub, and adjust their volume.



Important: If **Student** is selected as the audio hub source, any student chosen by the teacher (see [Student](#) on page 129) and connected to the audio hub can be a media source for the selected group. All students in the group must also be served by the audio hub.

The rest of the audio hub controls in this tab work as described in section [Media sources](#) on page 128.

10. FREQUENTLY ASKED QUESTIONS

10.1 Hardware selection

What computer hardware do you recommend for running Dialog Nibelung?

Absolute minimum hardware requirements for the teacher workstation are listed in section [Hardware and network requirements](#) on page 11 of this manual.

Student workstations have lower requirements. Essentially any modern desktop, notebook, or ultrabook with at least 512 MB of RAM will do the job. A more powerful computer may increase software responsiveness and/or quality of the video playback.

We recommend a modern desktop or notebook computer with 1-2 GB of RAM or more and a dual core or more CPU for the teacher workstation. A more powerful computer is recommended if one or more of the following is required:

- more than 20 students in the class;
- classroom equipped with a wireless network;
- several video streams (particularly HD video) are used as media sources simultaneously;
- video (particularly HD video) from external sources is used as a media source;

What type of headsets can you recommend?

We recommend rugged circumaural (over-ear) noise isolating headsets with boom microphones, for example, Hamilton SchoolMate HA7M. VoIP headsets from recognized manufacturers (e.g. Plantronics, Jabra) also work quite well in language lab settings.

What network equipment can you recommend?

Performance of a software based language lab greatly depends on both bandwidth and latency of the classroom LAN, particularly if the audio hub is not used. As a rule of thumb, we recommend using business grade equipment for both wired and wireless networks. Consumer grade equipment should be avoided.

What hardware is necessary for using an external video source as a media source?

Teacher workstation has to be equipped with a video capture interface, either analog or digital, depending on the type of the video source.

What operating systems does Dialog Nibelung support?

Dialog Nibelung can run on any operating system where Microsoft .NET Framework 3.5 can be installed. For a complete list of supported operating systems, please refer to section [System requirements](#) on page 11.

What exactly is on the the installation disk?

Please refer to section [Installation notes](#) on page 11 for the content listing of the installation disk.

10.2 Installation and setup

What is the default teacher login and password?

Default teacher login name is [Admin](#), password: [Admin](#).

Where can I find the license number, license key, etc?

License number, license key and USB dongle are included in your **Dialog Nibelung** shipment together with the installation disk. The license number is printed on the USB dongle.

Can you help us restoring the license number or license key?

Contact your dealer or **Dialog Nibelung** customer service for the license key replacement. Please have your organization name and license number ready. License number is printed on the USB dongle.

Can we have the USB dongle replaced?

We are sorry, it is not possible to replace a USB dongle as they are unique.

How can I access the student module setup window?

Launch the student module with the Windows Administrator privileges. Press **Alt+Ctrl** and click on the student module window title bar or on any empty space within the window.

How do I launch it with the Administrator privileges?

Right click on the software icon and select **Run as Administrator** to launch a piece of software with Administrator privileges in Windows Vista, Windows 7 and Windows 8.x with UAC enabled.

How to set up Dialog Nibelung for a discussion with students and a simultaneous broadcast of a media source?

Select the sound card as the media source (see [Sound card](#) on page 133) and enable **Stereo mixer**. However, with such setup students will hear echo of their own voices if the teacher headset is connected to the same sound interface. There are two solutions for this problem:

1. Use two separate physical sound interfaces. Install the additional sound interface, connect it to the headset, and select this interface as the capture and playback device in the teacher module settings (see [Teacher module setup](#) on page 32). Connect the output of the original sound interface to the input of the newly installed one.
2. Use a virtual sound card, for example **Virtual Audio Cable** (<http://www.n江onyx.com/vac.htm>). Set the virtual sound card as the default Windows playback device and your physical sound interface as the default **Dialog Nibelung** capture and playback device.

Contents of the installation package:

- Docs – **Dialog Nibelung** documentation;
- Nibelung – **Dialog Nibelung** distribution folder;
 - DotNetFX40ClientKB2468871 – **.Net Framework 4.0 Client Profile** runtime software environment for **Dialog Nibelung** (already included in Windows 7, 8 and 10);
 - jre – **Java Runtime Environment** for the quiz system;
 - WindowsInstaller4_5 – for installation on outdated versions of Windows that do not include the Installer);
 - nibelungmain.msi – **Dialog Nibelung** teacher module installation file;
 - nibelungclient.msi – **Dialog Nibelung** student module installation file;
 - setup-nibelungmain.exe – teacher module installer;
 - setup-nibelungclient.exe – student module installer;
- NPlayer – **Dialog NPlayer** installation files for standalone use (e.g., on a home computer);
- NPW – **Nibelung Power Watch** installation file, NPW is application for display tablets' battery status;
- NQuiz – **Dialog NQuiz** test system with documentation and cross platform installer for standalone use (e.g., on a home computer);
- SampleContent – audio and video examples;

The following is also included on the installation CD for your convenience:

- AdobeReader – PDF files viewer;
- KB – Windows system updates necessary to install and run **Dialog Nibelung**;
- Lang – autorun language files;
- SimpleDict – freeware crossplatform multiformat dictionary distributed under Academic Free License;
- VideoConverter – freeware video editor and format converter;
- WMP – **Windows Media Player 10** (might be necessary for older versions of Windows);

11. TROUBLESHOOTING

Student module can not establish communication with the teacher module:

- check if the student workstation is connected to the network;
- check the teacher workstation IP address or network name in the student module settings;
- check if another student module with the same student seat ID is running on the network;
- check if a firewall is interfering with **Dialog Nibelung** network traffic.

Problems with sound transmission over the classroom LAN:

- network switch does not support **IGMP v2**;
- misconfigured sound interface (see *Microphone setup on Windows Vista and Windows 7* on page 41).

No recording in the media player:

- check the headset connection;
- check the sound interface setup and make sure that you can record using standard Windows software (**Sound recorder**, usually found under **Start > All programs > Accessories**).

Student workstations can not be remotely powered on from the teacher workstation:

- check network interface and **BIOS** settings (see *Operating System and hardware setup* on page 34);
- on some PCs **BIOS** does not support power on from the standby mode, only wake on LAN from the sleep mode;
- student workstation must have been previously at least once in communication with the teacher module (for it to learn the relevant **MAC** addresses).

Browser misbehaving on the teacher or student workstations:

- check that all workstations have the same version of the browser installed with identical set of plug-ins.

File transfer malfunction:

- check for presence and setup of any anti-virus software.

Software becomes unresponsive when simultaneously recording and playing back audio under Windows 7:

- install **KB841290** update. See Microsoft Support for details: <http://support.microsoft.com/kb/981679>.

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13. CONTACT US

Web	http://www.lainlab.com
Email	sales@lainlab.com
Phone	+372 5622 6873

14. GLOSSARY

Student Seat ID

Student workstation sequential number for identification (section [Student module setup](#) on page 33). Each student workstation must have a unique student seat ID. Presence of multiple workstation with the same ID can cause malfunction of **Dialog Nibelung**.

IP address

IP address is a unique numerical address assigned to each device connected to the network. It looks like 4 numbers, between 0 and 255 each, separated by dots, e.g. **192.168.0.1**. You will need the IP address or network name of the teacher workstation to properly set up student workstations (section [Student module setup](#) on page 33).

USB dongle

USB dongle is a copy protection device that also has the maximum number of student workstation for current installations embedded in it (section [Teacher module installation](#) on page 13). USB dongle must be plugged into the teacher workstation at any time it is running the **Dialog Nibelung** teacher module.

Autoscan

Autoscan is a mode in which the teacher can monitor screens of several students and simultaneously listen to them (section [Autoscan](#) on page 101).

Class layout

Class layout is a map of the virtual classroom that may or may not represent the physical layout of the classroom. Class layout is used to arrange student panels in the teacher module classroom console (section [Class layout](#) on page 69).

Discussion

Discussion is a classroom activity during which students have conversations either in pairs or in a group (section [Discussion](#) on page 116).

Bookmarks

Bookmarks are used to mark certain positions in multimedia files for quick access to them later (section [Bookmarks](#) on page 159).

Launch applications

Launch applications is a mode that allows the teacher to remotely launch applications on student workstations (section [Launch applications](#) on page 81).

Master track

Master track is an audio track that students can listen to, set bookmarks, select fragments for repeat listening, etc., but can not record over it (section [Master track and student track](#) on page 157).

Student module

Student module is a **Dialog Nibelung** software module running on the student workstations. It has a media player at its core and works under the control of the teacher module (section [Student module](#) on page 154).

Teacher module

Teacher module is a **Dialog Nibelung** software module running on the teacher workstation. Teacher module performs many functions, including control over student modules, student monitoring, activities assignment, preparation of classroom multimedia materials, etc. (section [Teacher module](#) on page 51).

Digitization

Digitization is conversion of an analog signal into digital form. **Dialog Nibelung** allows you to digitize audio sources and store results in files (section [Media sources](#) on page 128).

Toolbar

Toolbar is a teacher module panel for quick access to frequently used functions. Customization of the toolbar is described in section [Toolbar customization](#) on page 138.

Teacher folder

Teacher folder is a folder on teacher workstation permanent storage which is automatically created for every teacher upon creating an account for this teacher. Teacher folder is used for storing class files, multimedia teaching materials, quizzes, etc.

Audio

Students can receive different kinds of audio materials over the classroom network: files, CD tracks, signals from teacher and student microphones, external sources, etc. (section [Media sources](#) on page 128).

Video

Students can receive different kinds of video materials over the classroom network: files, Youtube videos, external streams from video capture interfaces, web cams, etc. (section [Video](#) on page 134).

Live screen

Live screen is a mode that allows the students to see in real time a screen from teacher or another student workstation (section [Live screen](#) on page 121).

Scribble

Scribble is a mode that allows the teacher or a student to scribble notes on a white semitransparent layer on their screen and have them shown on another workstation (section [Live screen](#) on page 121).

Listen

Listen mode allows the teacher to listen to a student, a pair of students, or a group discussion (section [Listen](#) on page 78).

Conversation

Conversation mode allows the teacher to enter a conversation with a student, a group of students, or the whole class (section [Conversation](#) on page 79).

Roll call registration

Roll call registration is used to record student attendance, typically at the beginning of a lesson (section [Roll call registration](#) on page 71).

Self access

Self access is a type of classroom activity during which students work on their own on an assignment (section [Self access](#) on page 113).

Subtitles

Subtitles can be used to aid the students in speech comprehension in audio and video materials (section [Subtitles](#) on page 162).

Student track

Student track is used for recording student voice (section [Master track and student track](#) on page 157).

Remote control

Remote control is a mode using which the teacher can assume complete control over the student workstation (section [Remote desktop window](#) on page 110).

Power control

Power control is a mode that allows the teacher to remotely shut down, reboot, put to standby, and power on student workstations (section [Power control](#) on page 106).

Media player

Media player allows the students to play of audio and video materials, and to record their own voices (section [Media player](#) on page 155).

Chat

Chat is a classroom instant messaging service (section [Chat](#) on page 83).

Screen thumbnails

Screen thumbnails is a mode that replaces student images in the classroom console with the thumbnails of their screenshots (section [Screen thumbnails](#) on page 100). These thumbnails will be updated every few seconds.

15. DISCLAIMER

Manufacturer reserves the right to modify this software product for the purpose of improvements and introduction of new features not affecting ability of the product to operate under reasonable conditions. This manual may contain certain inaccuracies as the result of such modifications.