

Dialog NIBELUNG

General purpose software
for interactive teaching

version 2.0

USER GUIDE



Saint-Petersburg
2011

Lain

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 9) controls the computer classroom, transmits audio and video materials, documents, and other files. It also implements other functionality of the language lab.

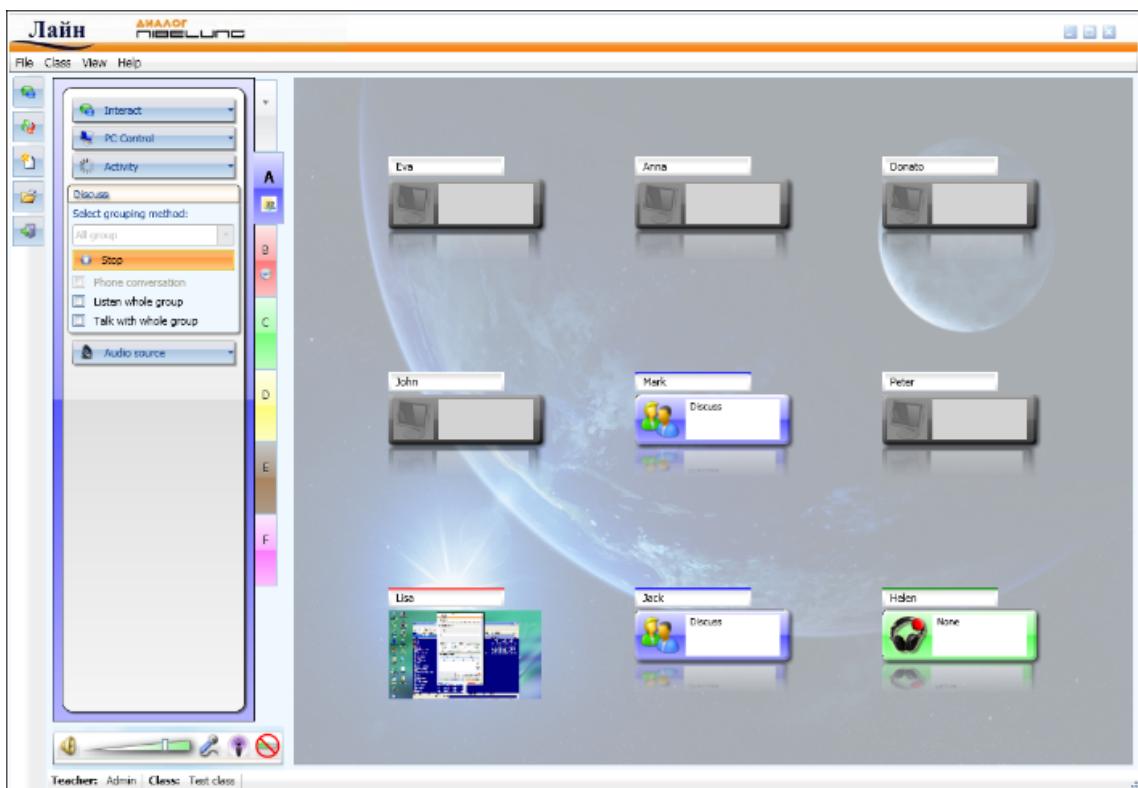


Figure 1: Teacher module window

Student module (*Figure 2:* on page 9) 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 Vista;
 - Windows 7;
 - Windows 8 or 8.1;
 - Windows Server 2003;
 - Windows Server 2008;
 - Windows Server 2012;
- .NET Framework 3.5;
- Java Runtime Environment (JRE) 1.6 or higher (*for the quiz system*);
- Windows Media Player 10.

.NET Framework 3.5 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 512 MB of RAM (1 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;
 - DotNetFX35 – .Net Framework 3.5 runtime software environment for **Dialog Nibelung** (already included in Windows Vista, 7 and 8);
 - jre 1_7 – **Java Runtime Environment** for the quiz system;
 - vcredist_x86 – software necessary to perform certain functions, such as video transmission;
 - WindowsInstaller3_1 – 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);
- 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. You can find them inside the package together with the **USB** dongle and installation CD.



Attention: License number is the USB dongle number. It is not possible to replace the USB dongle if it's lost or stolen.



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 3.5, Windows Installer 3.1, Visual C++ Runtime Libraries (x86), 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 [Setup guide](#)) for further setup instructions.

Related Links

- [Teacher module installation](#) on page 12
- [Student module installation](#) on page 20
- [Post install notes](#) on page 29

3.5.1 Teacher module installation

1. Insert installation CD into your computer CD drive.
2. An autorun window should appear on the screen. Select teacher module installation. In case the autorun window has not appeared, you will have to launch \Nibelung\setup-nibelungmain.exe from the installation disk manually.
3. **Dialog Nibelung Setup Wizard** window should appear on your screen ([Figure 3:](#) on page 12). Press the **Next** button.

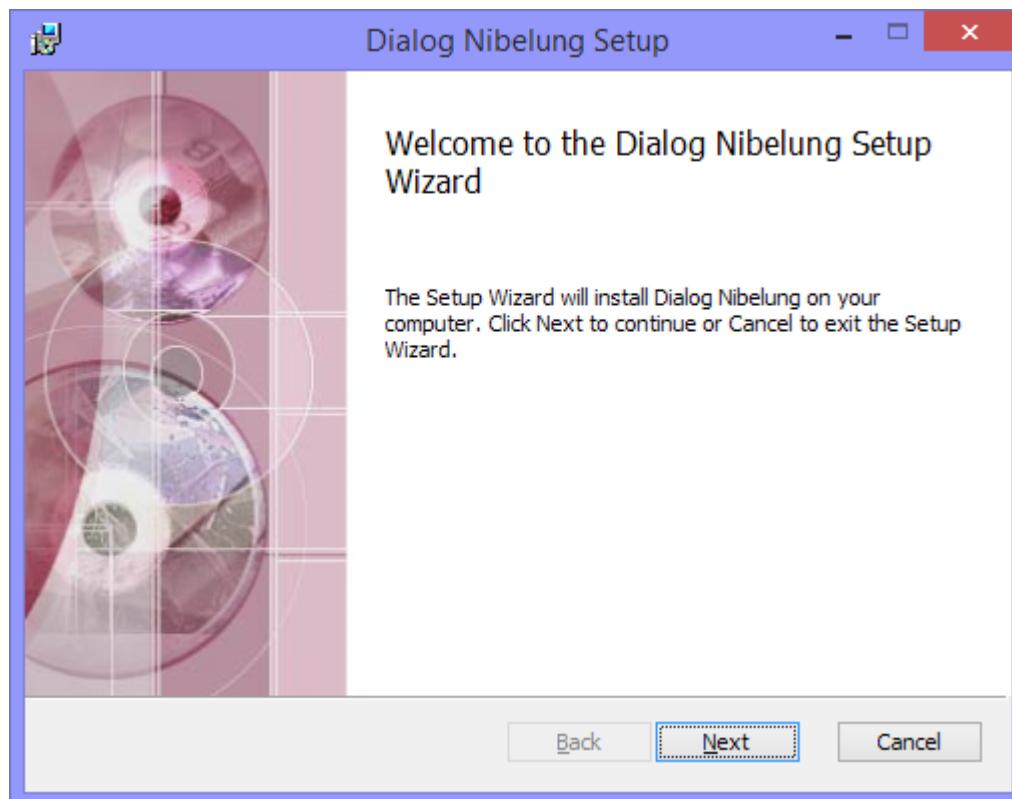


Figure 3: Teacher module **Setup Wizard** window

4. **End User License Agreement** window will appear on your screen ([Figure 4:](#) on page 13). 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.

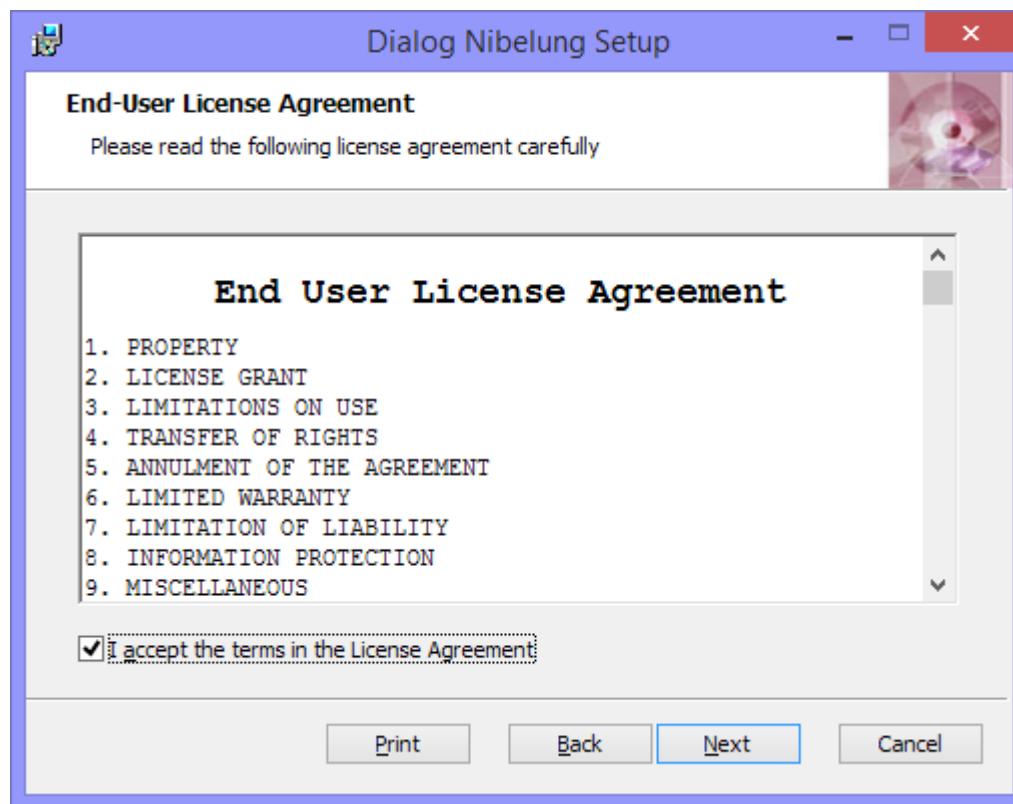


Figure 4: Teacher module **License Agreement** window

5. You should enter your company name, license number and license key into the **License Key** window that will appear next ([Figure 5:](#) on page 14). 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 5: Teacher module License Key window

6. The next window on your screen will be the **Setup Type** selection window ([Figure 6:](#) on page 15). 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.

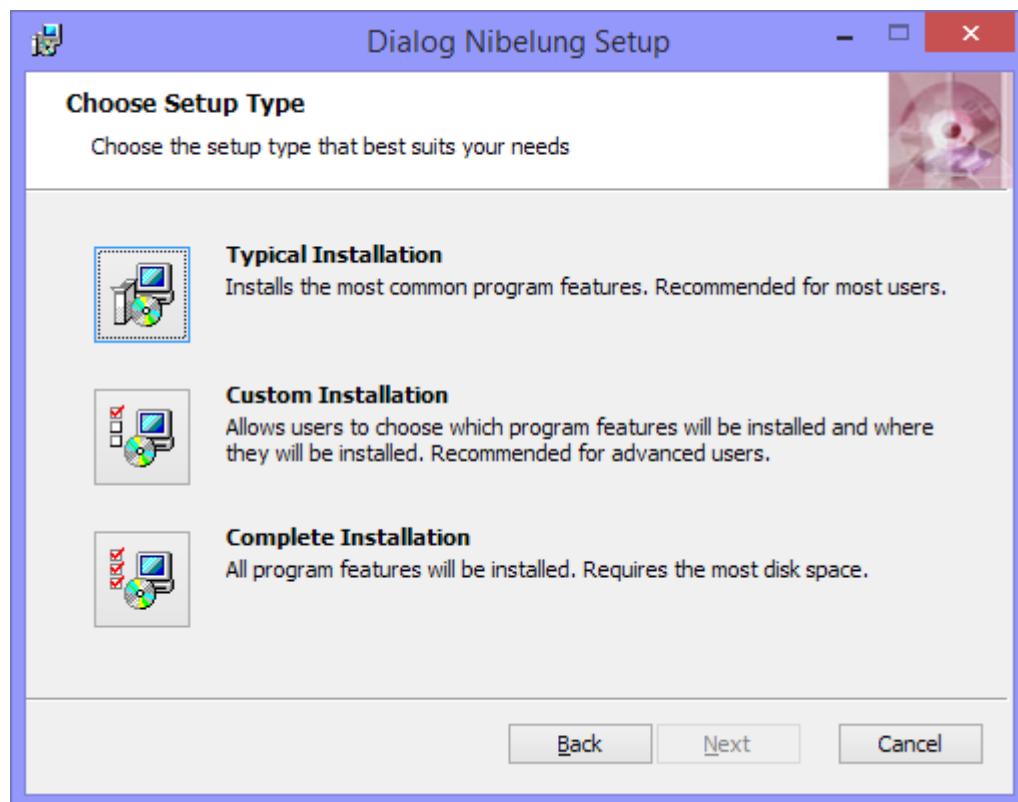


Figure 6: Teacher module **Setup Type** window



*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 7: on page 16](#)).

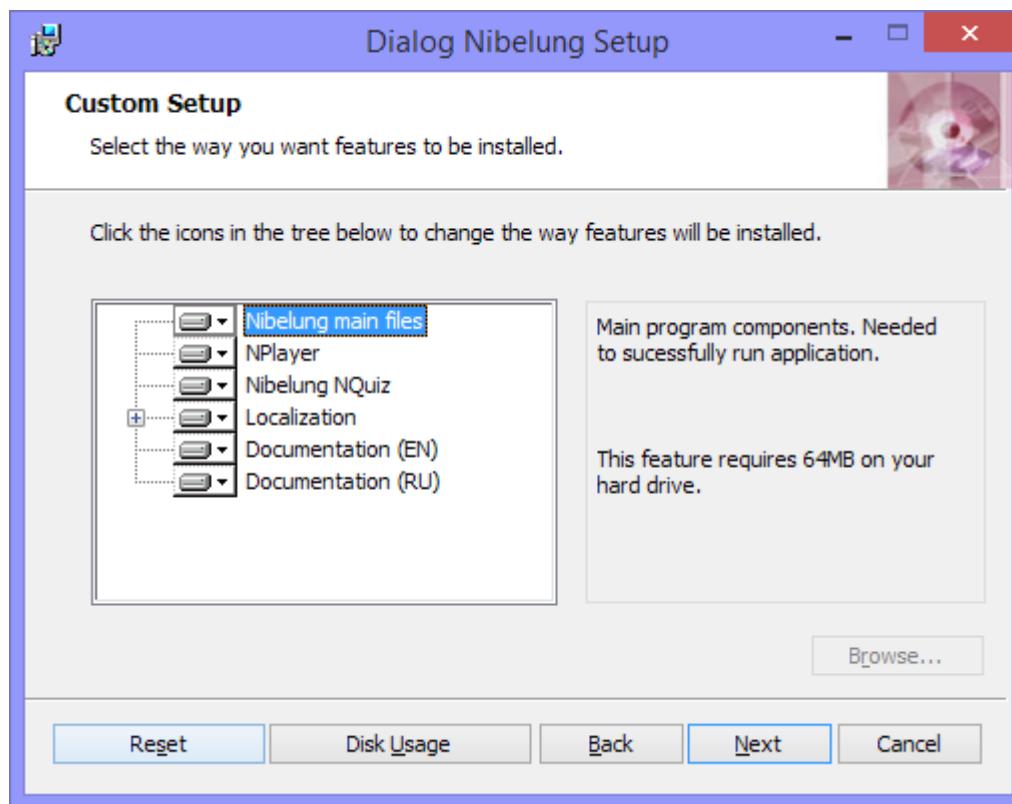


Figure 7: Teacher module **Custom Setup** window



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 8: on page 17](#)) on your screen.



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

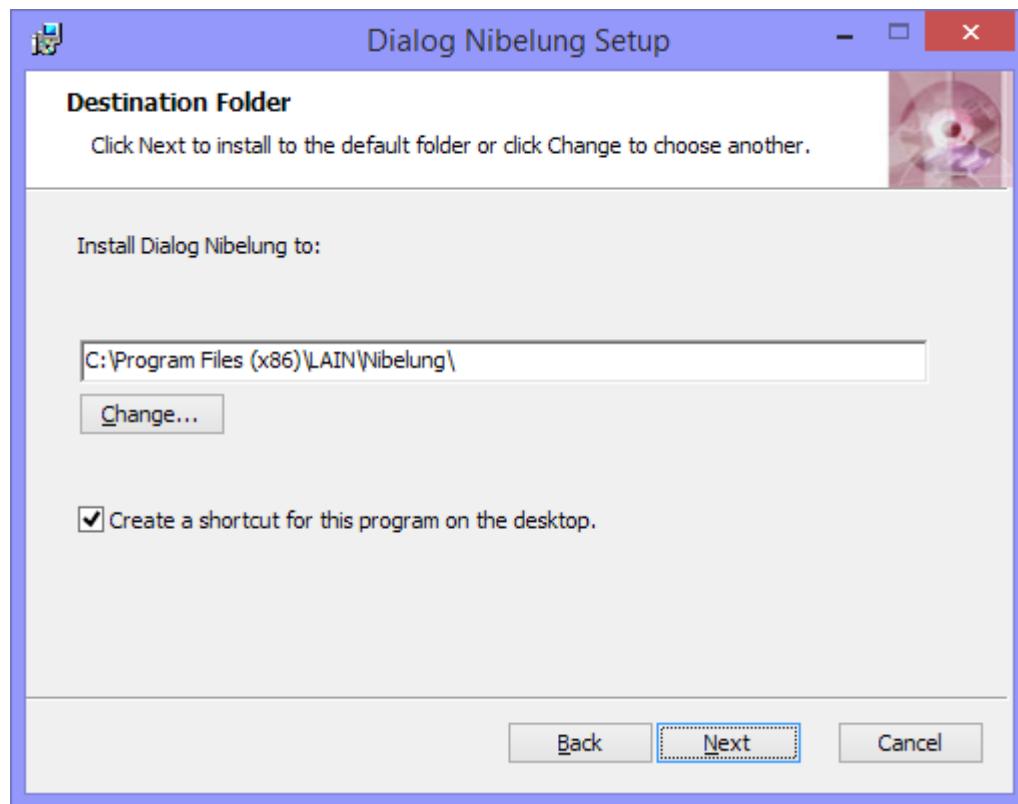


Figure 8: Teacher module **Destination Folder** window

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 9](#): on page 18).

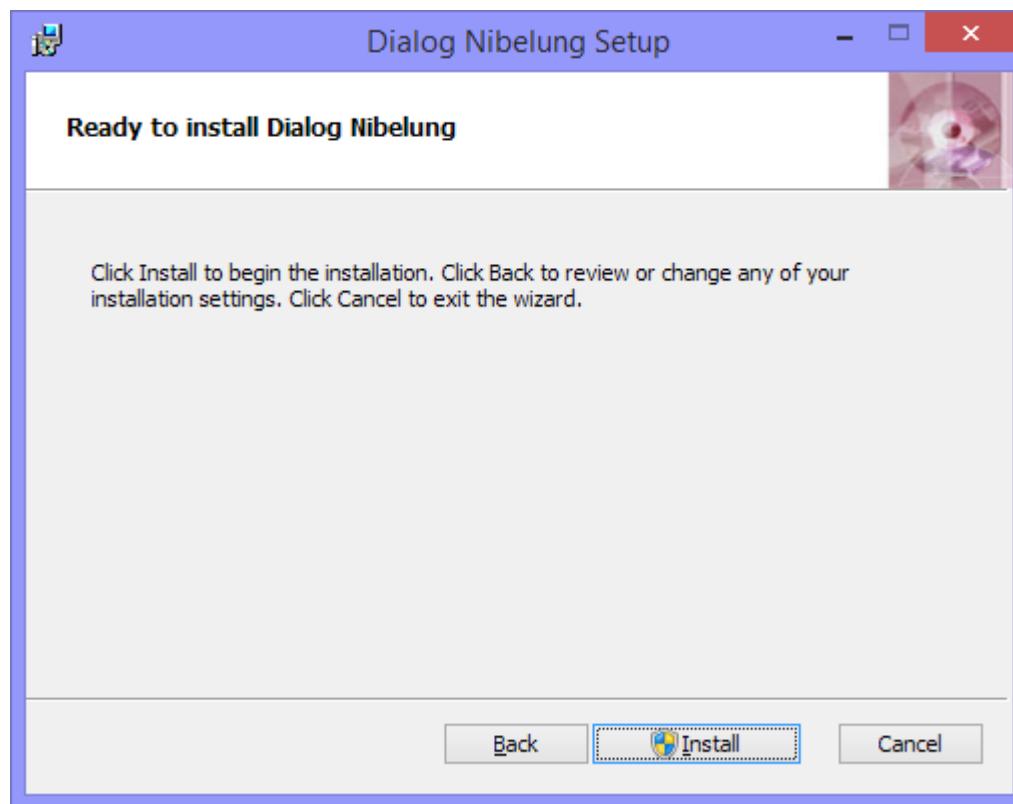


Figure 9: **Ready to install** window

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 10:](#) on page 19).

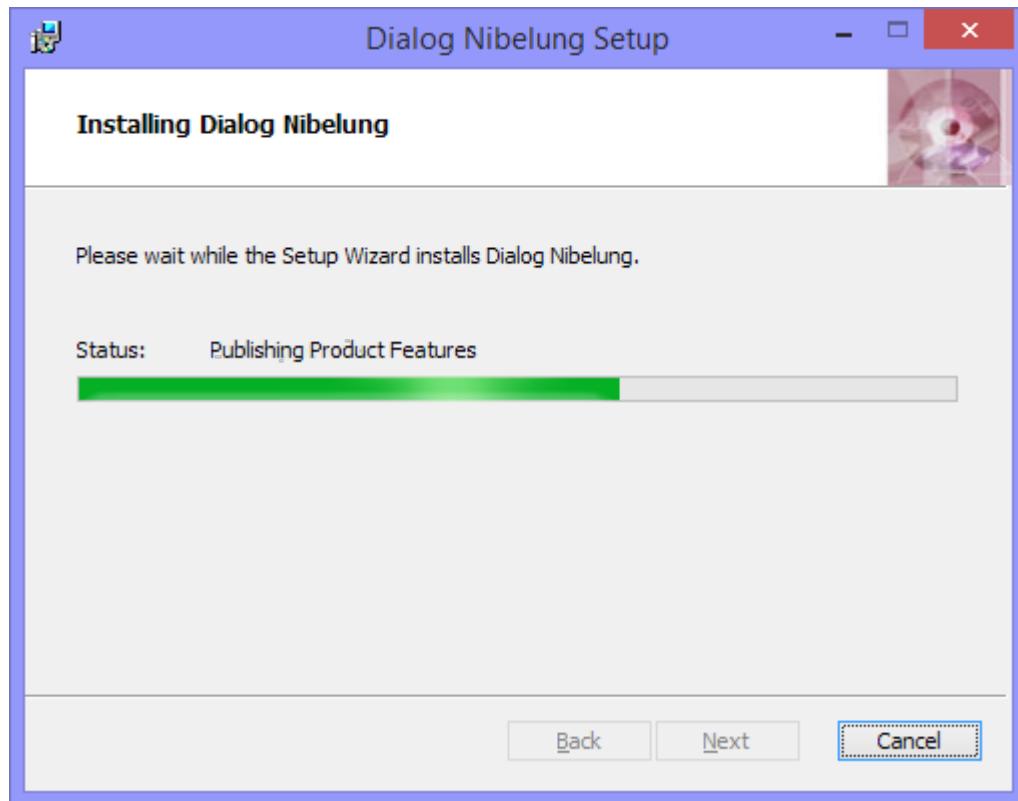


Figure 10: Installation progress window

10. After the installation has successfully completed, **Installation complete** window will appear on your screen ([Figure 11:](#) on page 19). Press the **Finish** button to exit **Setup Wizard**.

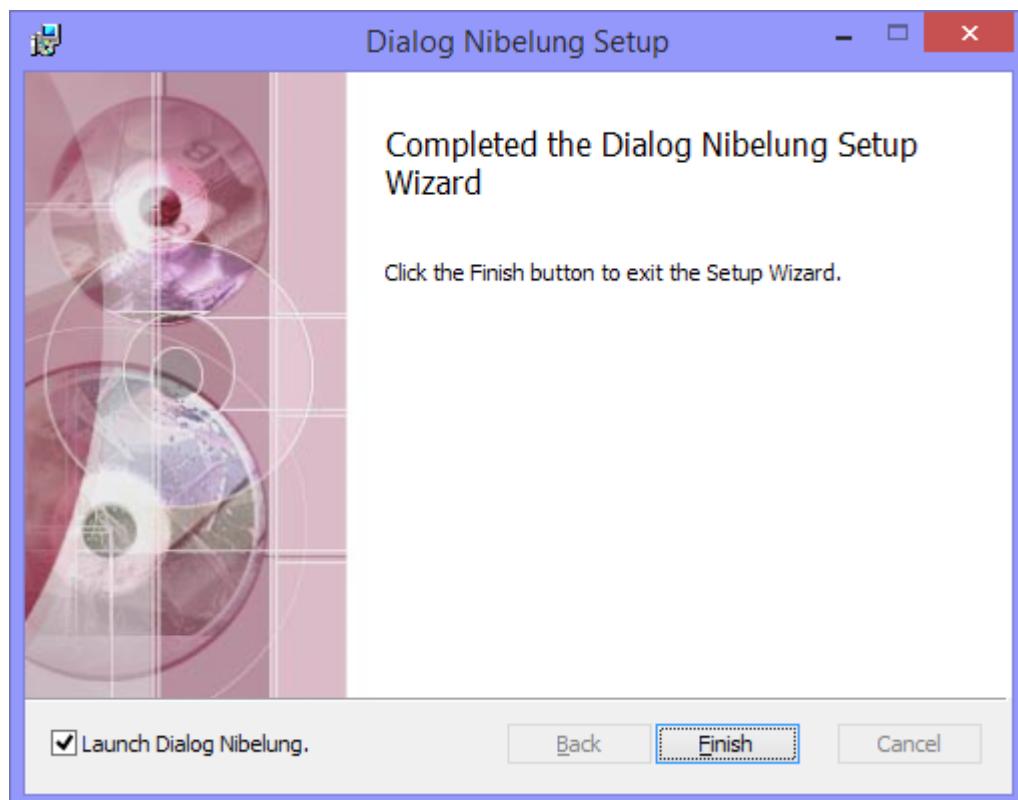


Figure 11: Installation complete window

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 12: 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 13: on page 20](#)) 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.

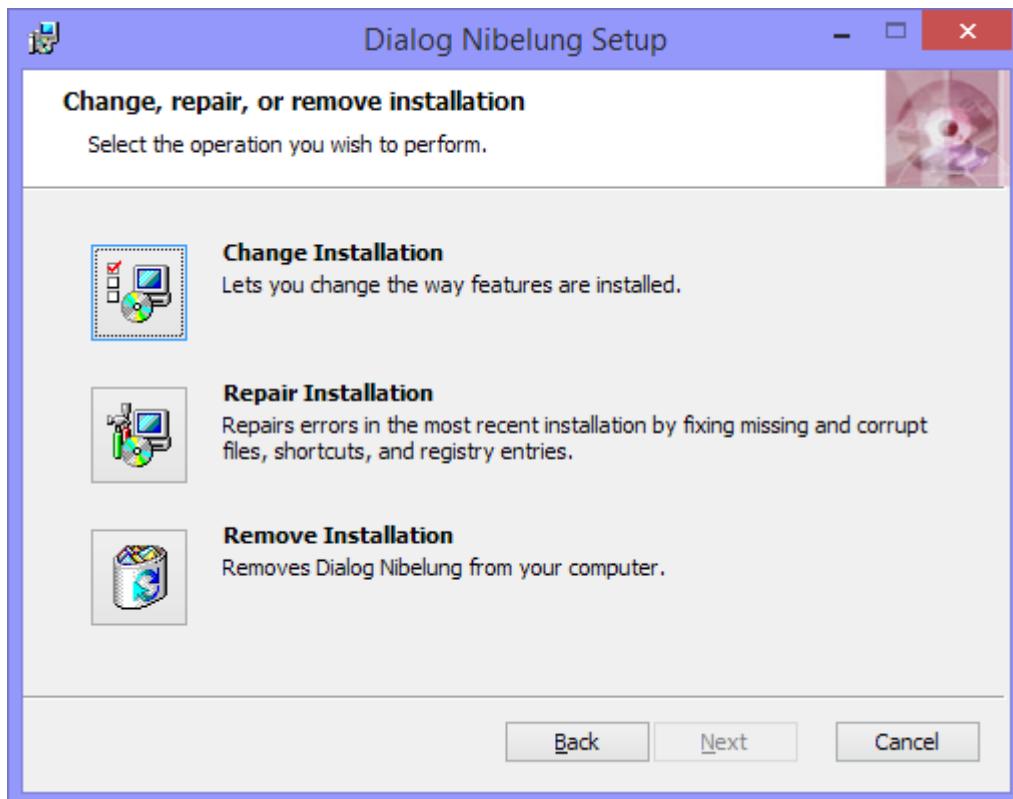


Figure 13: Teacher module **Change, repair or remove installation** window

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 11

3.5.2 Student module installation

1. Insert installation CD into your computer CD drive.

2. An autorun window should appear on the screen. Select student module installation. If the autorun window has not appeared, then you will have to launch setup-nibelungclient.exe from the installation disk manually.
3. **Dialog Nibelung student module Setup** wizard window will appear on your screen ([Figure 14:](#) on page 21). Press the **Next** button.

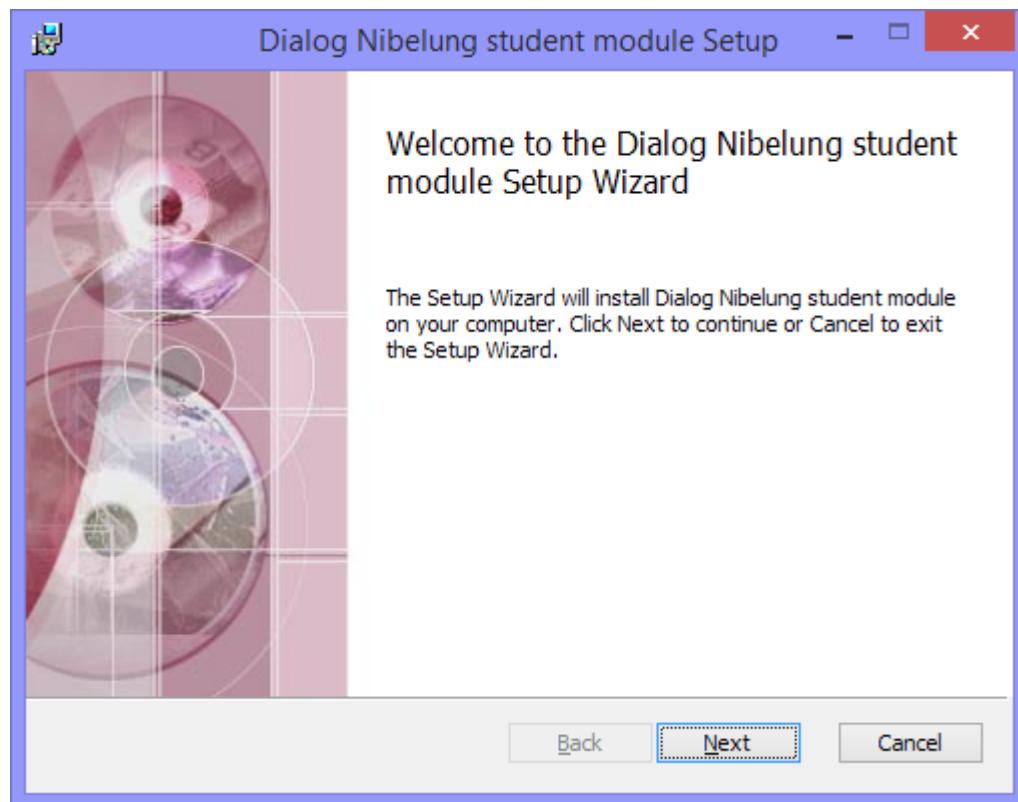


Figure 14: Student module **Setup Wizard** window

4. **End User License Agreement** window will appear on your screen ([Figure 15:](#) on page 22). 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.

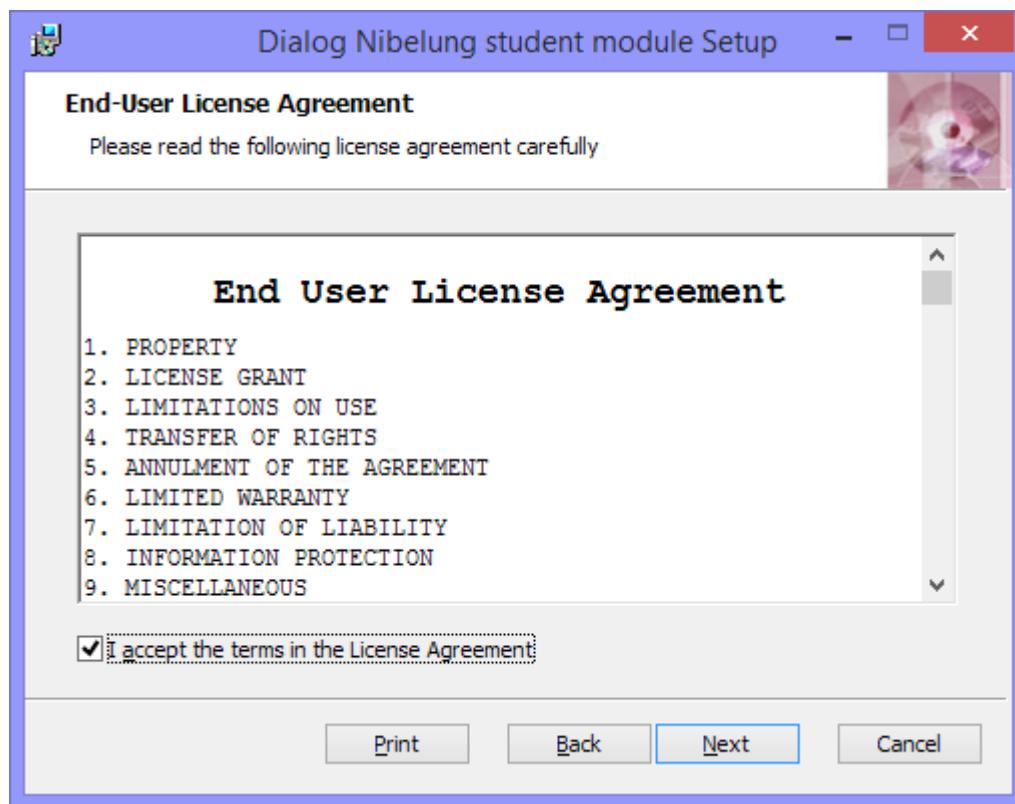


Figure 15: Student module **License Agreement** window

5. Student module setup window will appear on your screen ([Figure 16](#): on page 22). You should enter **IP address** or network name of the teacher workstation and the **Student Seat ID** of this student workstation.

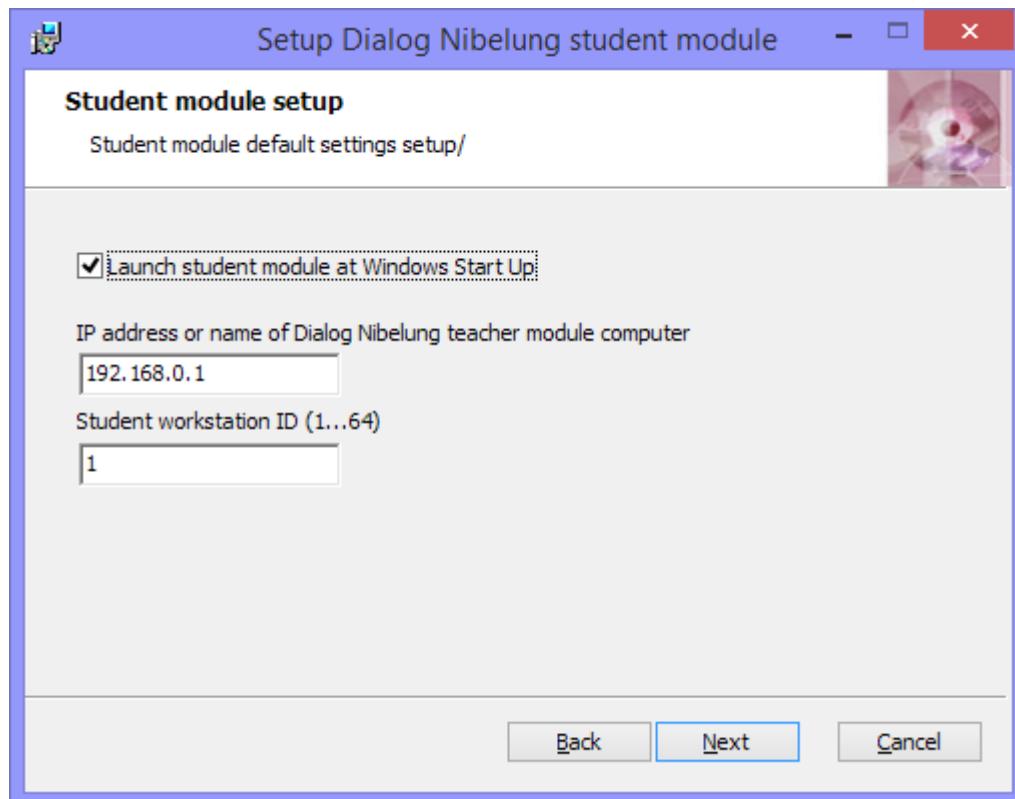


Figure 16: Student module setup window

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 17: on page 23](#)).

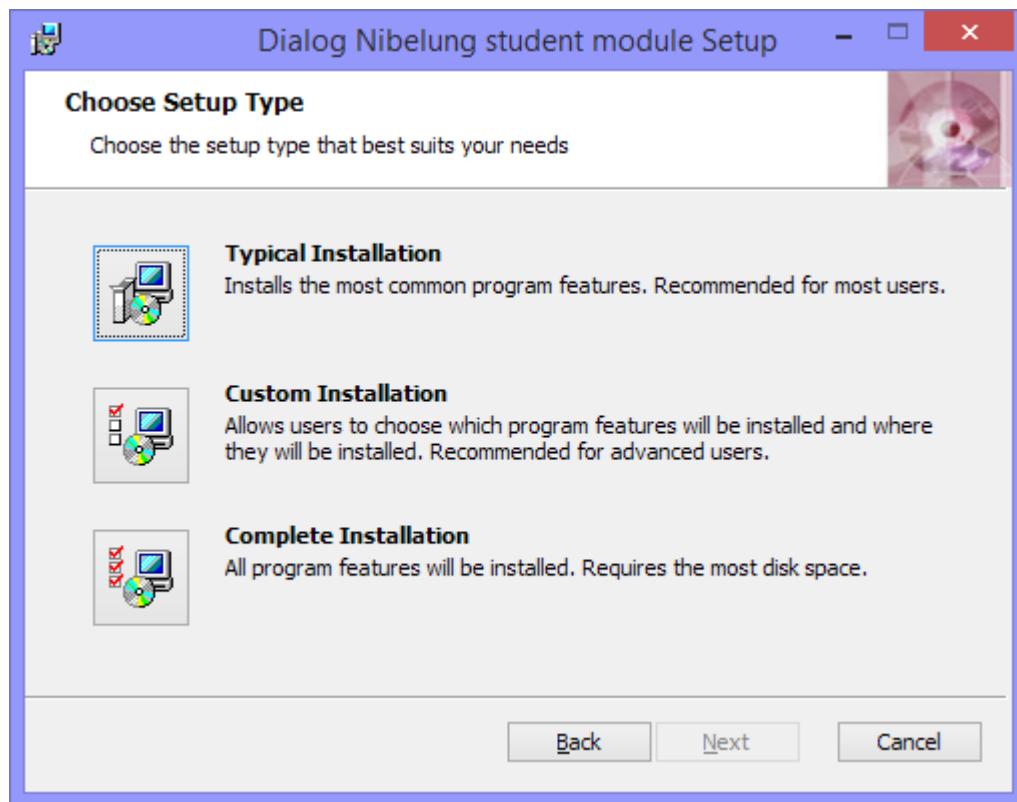


Figure 17: Student module **Setup type** window

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 18: on page 24](#)).

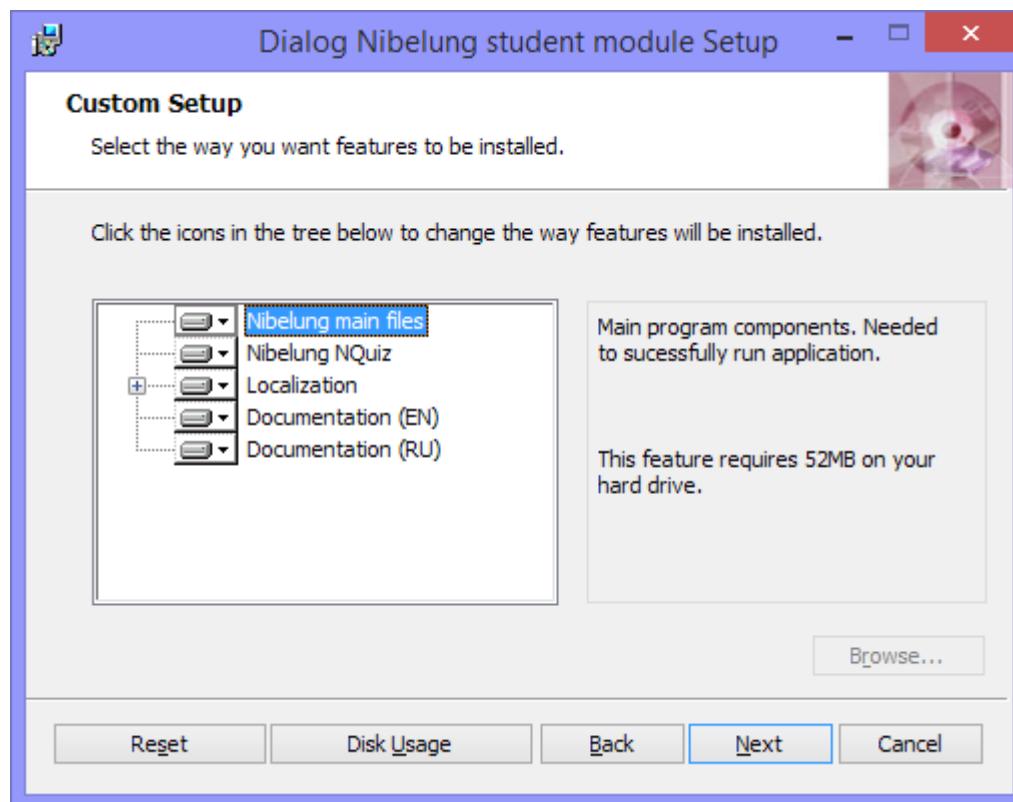


Figure 18: Student module **Custom installation** window

8. After selecting installation type and pressing the **Next** button, you should see the Destination Folder window ([Figure 19: on page 25](#)) on your screen.



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

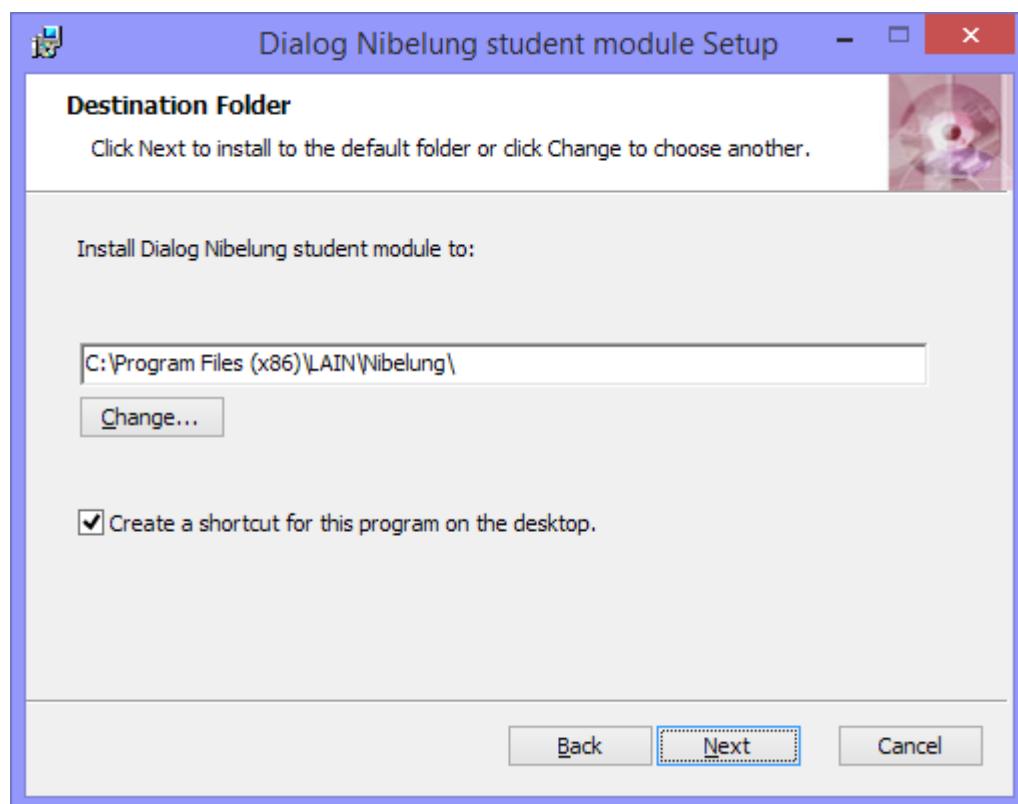


Figure 19: Student module **Destination folder** window

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 20](#): on page 26).

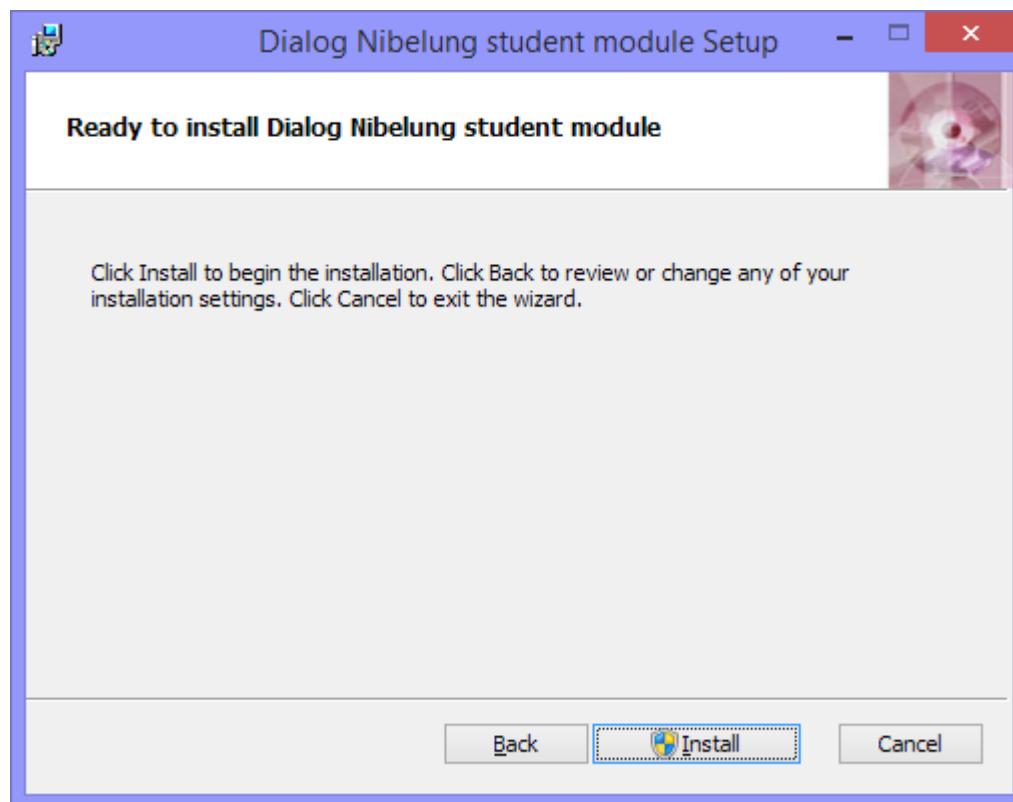


Figure 20: **Ready to install** window

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 21: on page 27](#)).

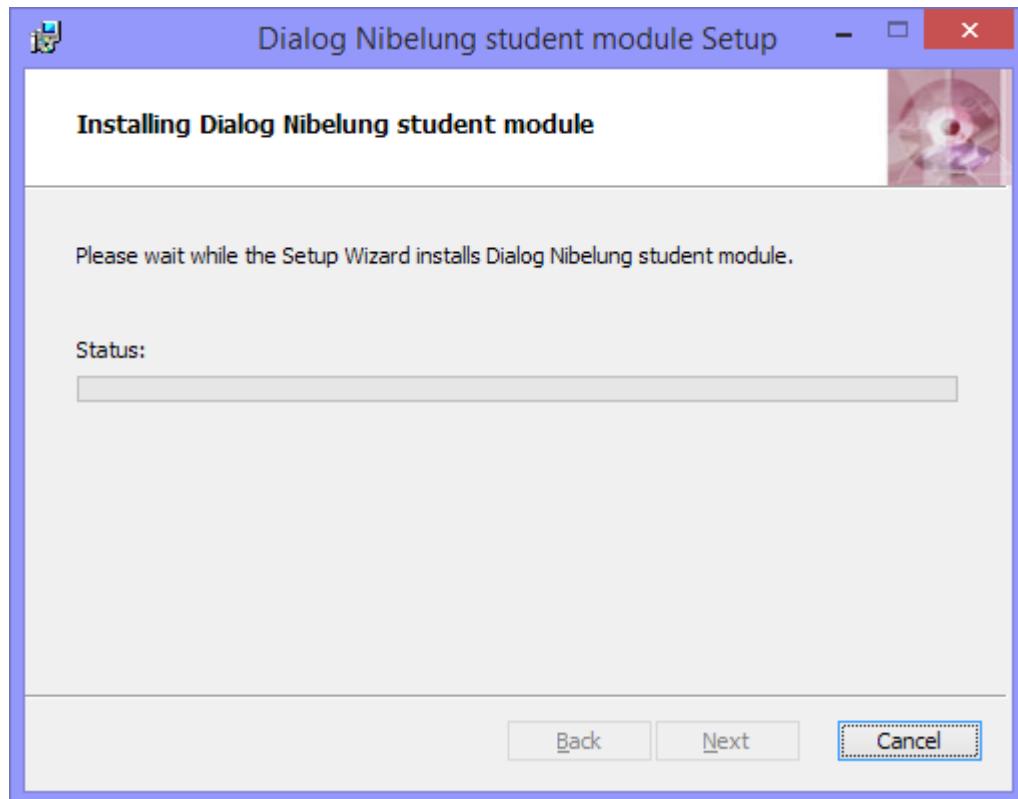


Figure 21: Installation progress window

10. After the installation has successfully completed, **Installation complete** window will appear on your screen ([Figure 22: on page 27](#)). Press the **Finish** button to exit **Setup Wizard**.

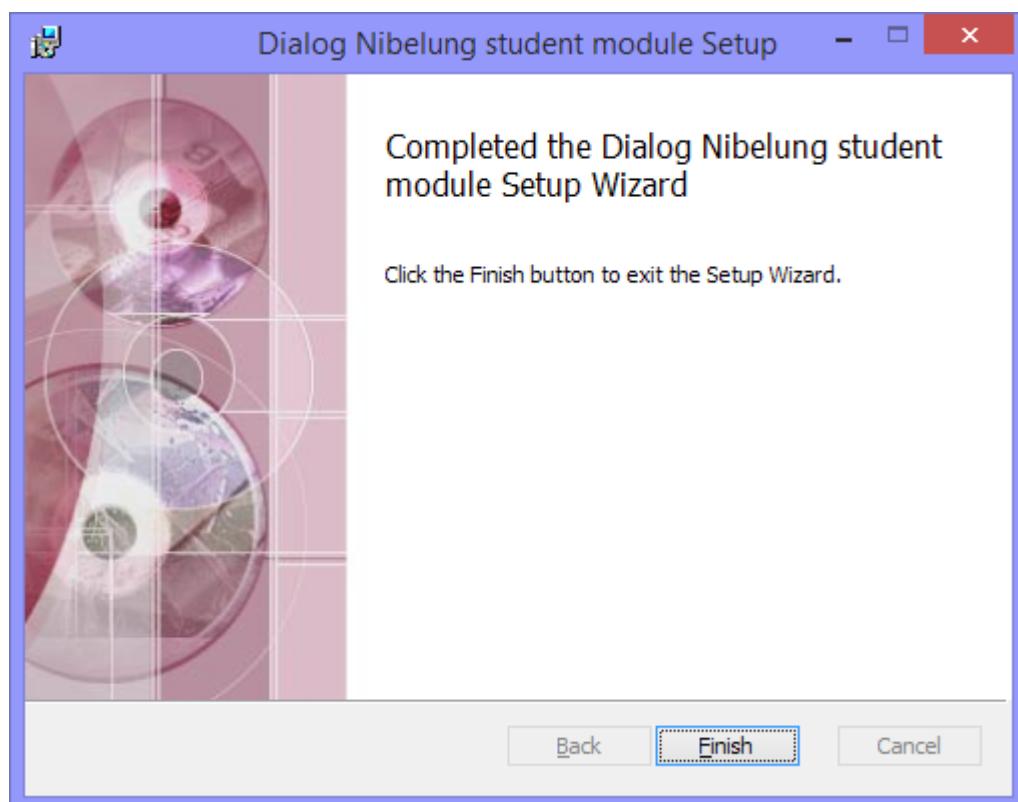


Figure 22: Installation complete window



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 23: 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 24:](#) on page 28) 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.

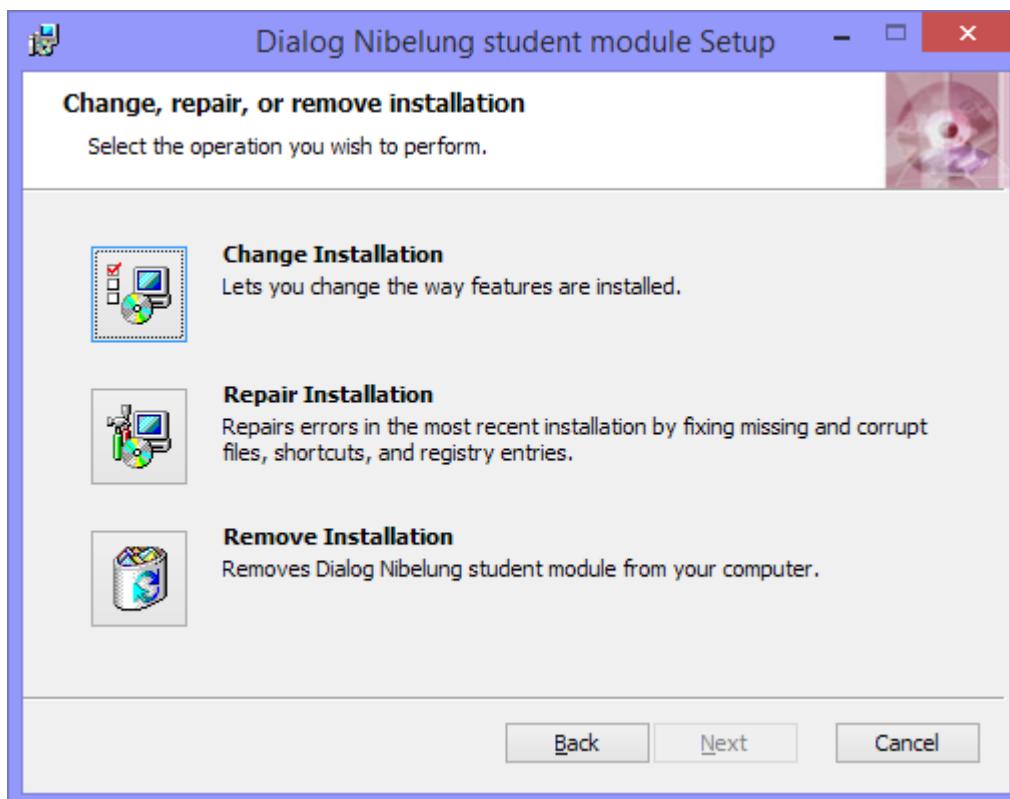


Figure 24: Student module **Change, repair or remove installation** window

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 11

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: NiubelungUI.exe
- on student workstations: NiubelungClient.exe and NiubelungHelper.exe

Windows Firewall exception list can be found under:

- **Start > Control Panel > System and Security > Windows Firewall > Allow apps to communicate through Windows Firewall**
or
- **Start > Control Panel > Windows Firewall > Exceptions**

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 31 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 and 8 (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 and 8, in some cases it is recommended to disable the **TCP/IPv6** protocol in Network Connection Properties.
6. **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.
7. When applying Windows Updates application software like **Dialog Nibelung** may become unstable. Close application software, finish installation of all updates, and restart the computer.

Related Links

[Installation guide](#) on page 11

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 25: on page 30](#)) 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.

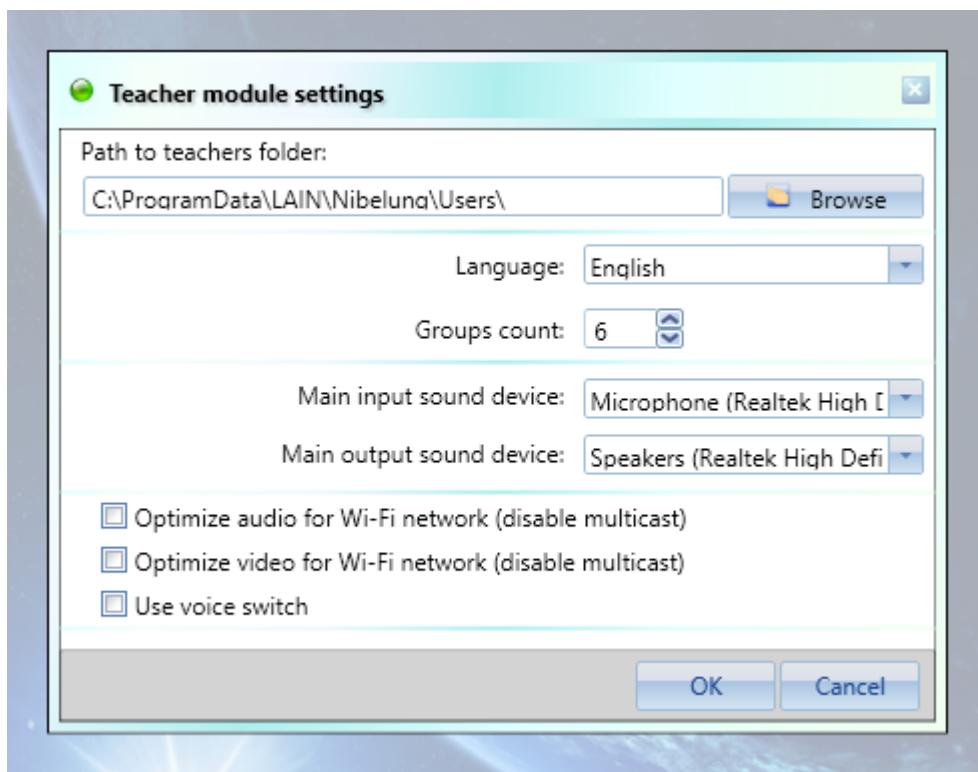


Figure 25: **Teacher module settings** window

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.

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 26](#): on page 31). 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.

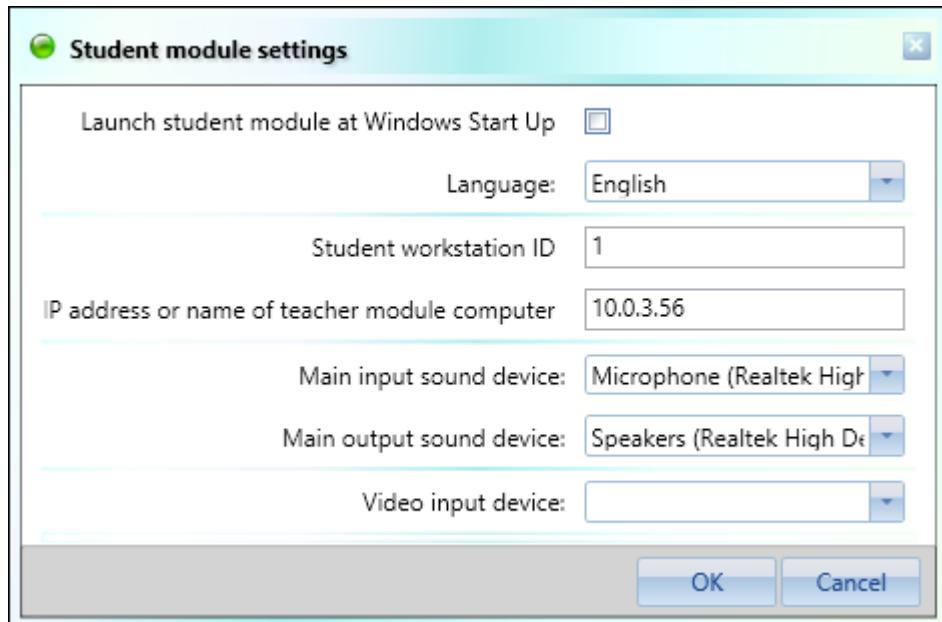


Figure 26: **Student module settings** window

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 27: on page 32](#)) will appear on your screen. Click on **System and Security** and then click on the **System** icon.

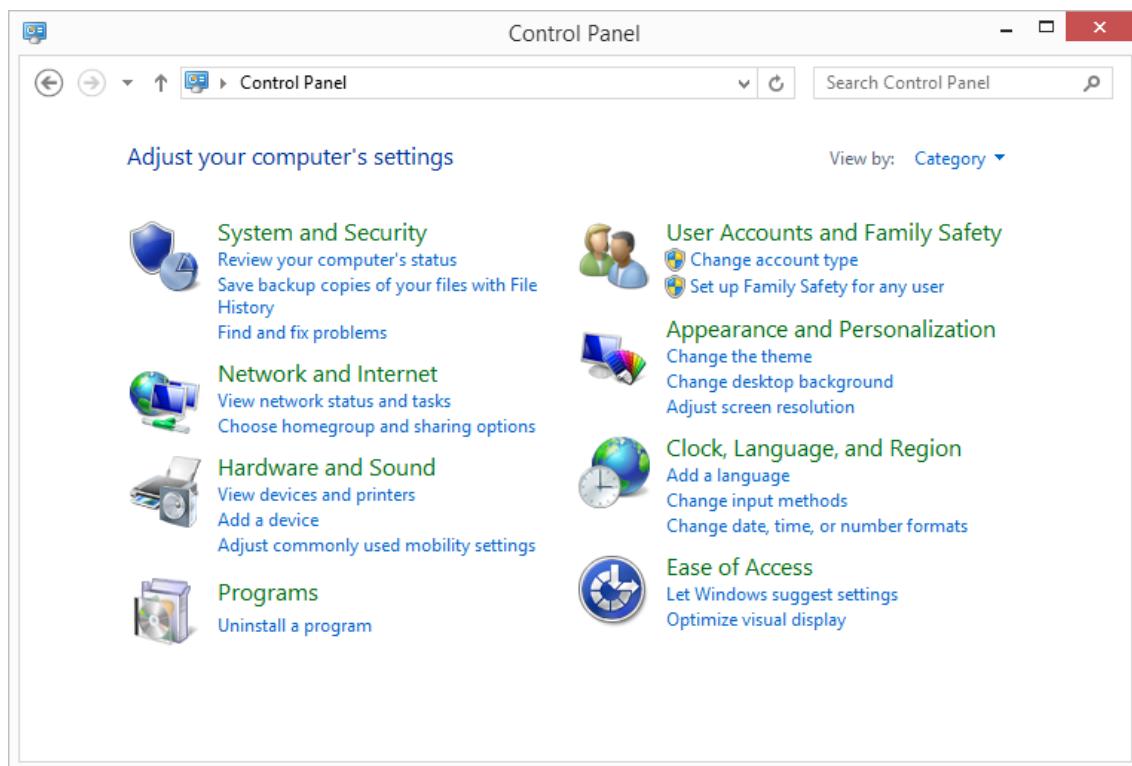


Figure 27: **Control Panel** window

Related Links

[Network interface setup](#) on page 33

[Microphone setup](#) on page 36

Network interface setup

The **System** properties window (*Figure 28:* on page 33) will appear on your screen. Click on the **Device Manager** link located in the left column of the window.

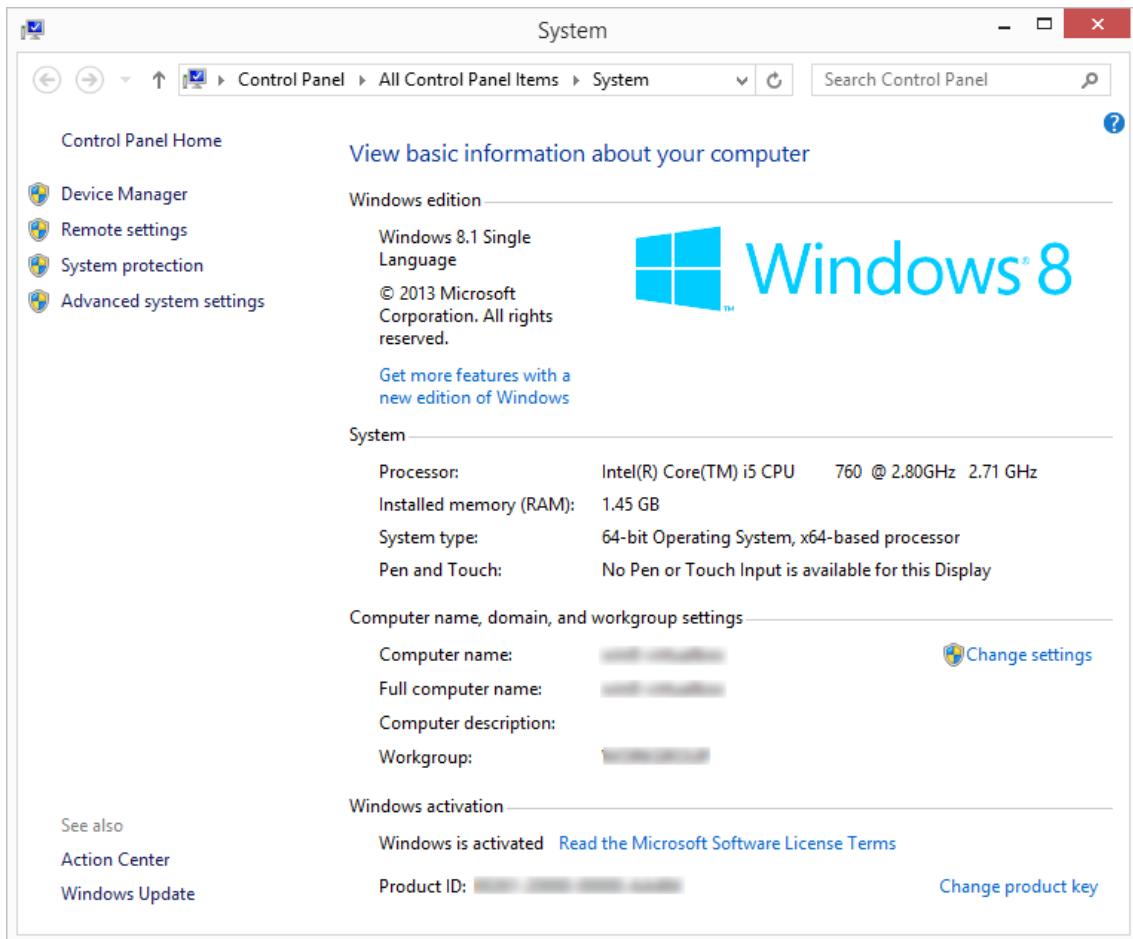


Figure 28: **System** properties window

Device Manager window ([Figure 29](#): on page 34) 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**).

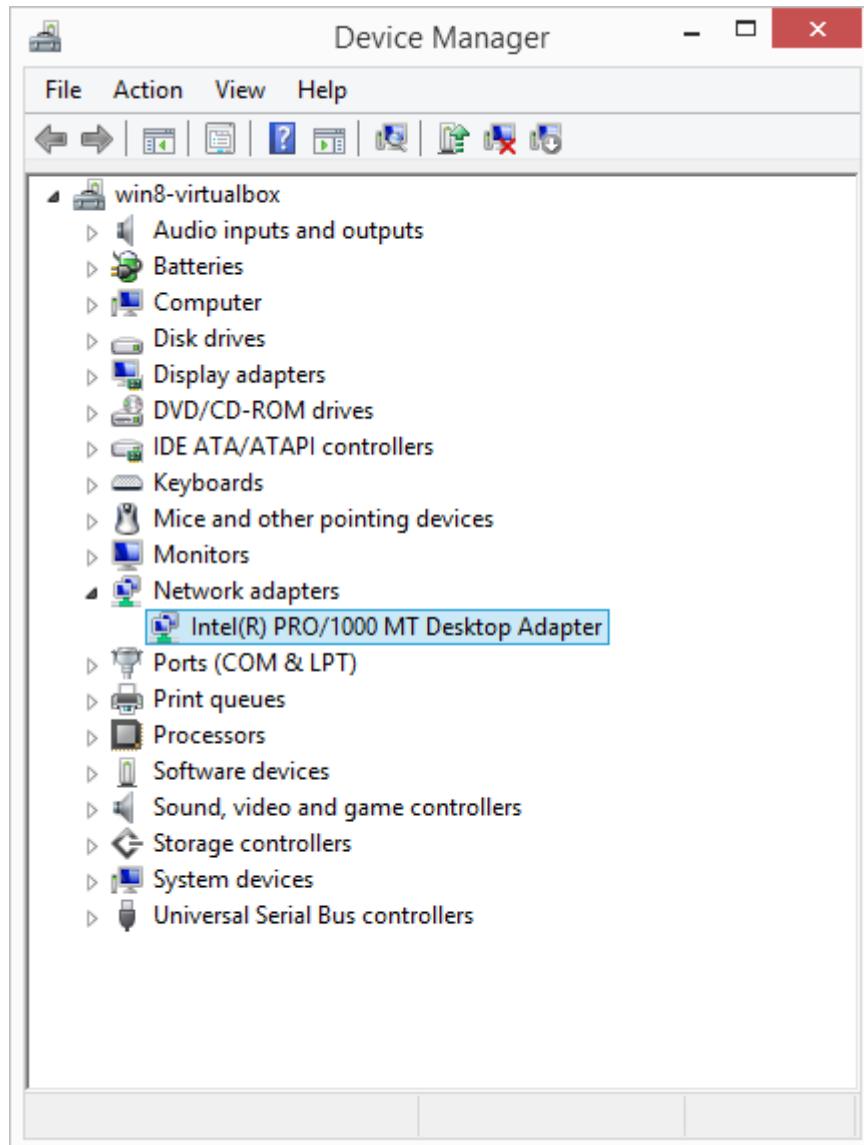


Figure 29: Device Manager window

Select the **Power management** tab in the **Network Adapter Properties** window ([Figure 30](#): on page 35) 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

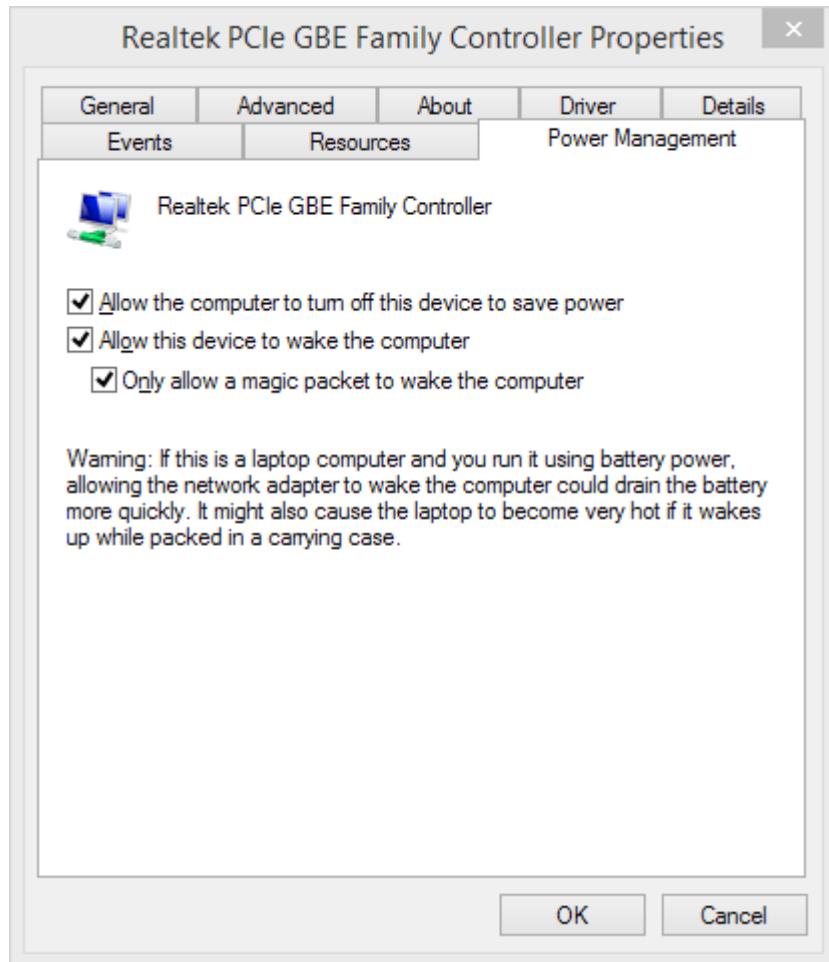


Figure 30: Network Adapter Properties window

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 31

Microphone setup

Open the **Control Panel** (*Figure 31: on page 36*) window and select **Hardware and Sound** to set up the microphone.



Figure 31: **Control Panel** window

Sound ([Figure 32: on page 37](#)) window will appear on your screen. Select the **Recording** tab. Select the microphone and press **Properties** button.



Figure 32: **Sound** window

Microphone Properties window ([Figure 33](#): on page 38) will appear on your screen. Select the **General** tab and check that **Device usage** option is set to **Use this device (enable)**.

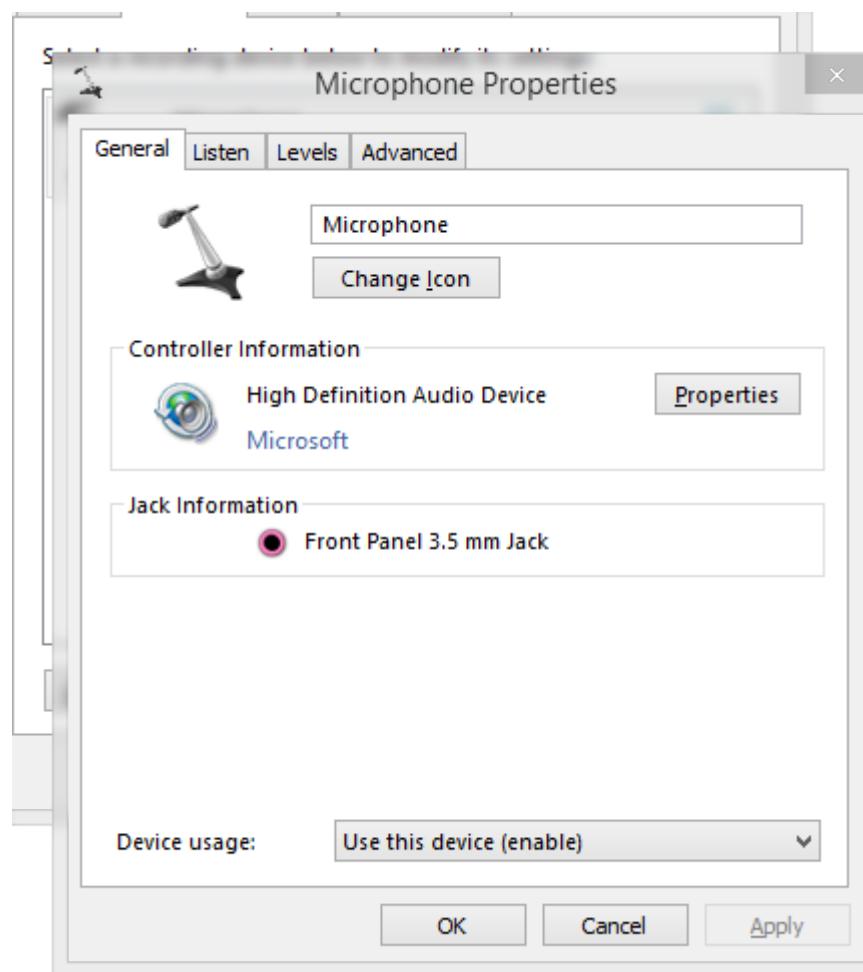


Figure 33: **Microphone Properties / General** window

Next, select the **Levels** tab (*Figure 34:* on page 39). Here you can adjust the microphone gain to boost its sensitivity if necessary.



Figure 34: **Microphone Properties / Level** window

The **Advanced** ([Figure 35: on page 40](#)) tab contains additional settings that might prove to be useful, such as noise reduction, echo cancellation, etc.

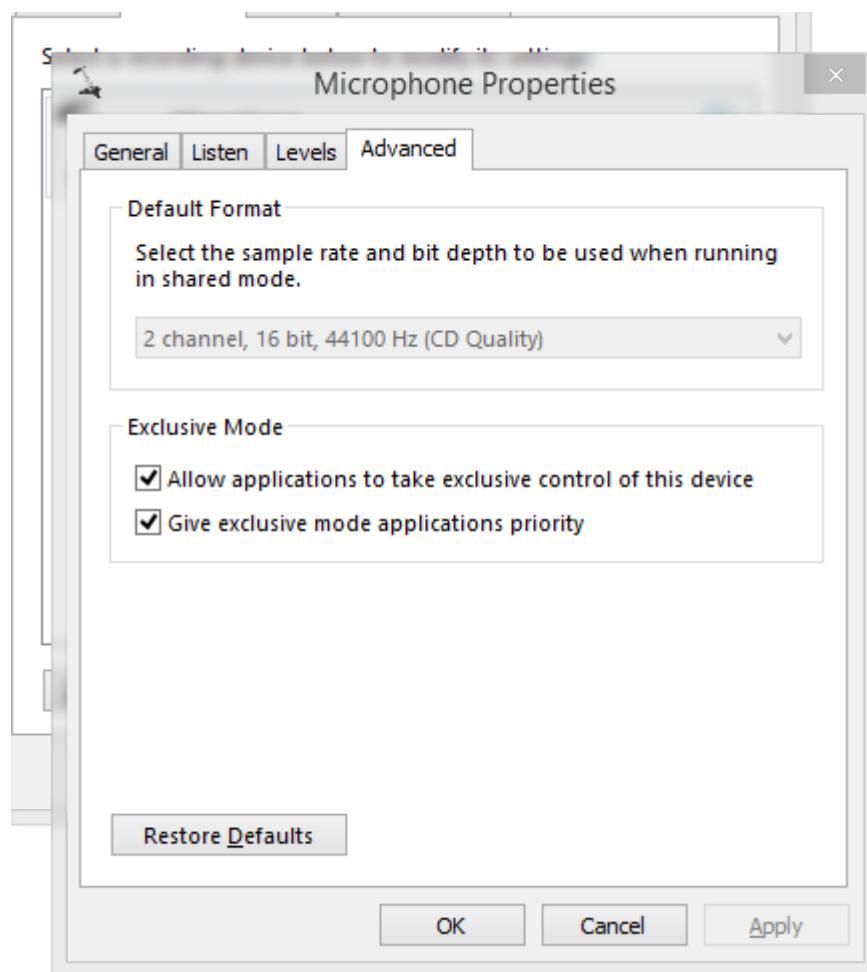


Figure 35: **Microphone Properties / Advanced** window



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 31

4. TEACHER MODULE

Teacher module ([Figure 36: on page 41](#)) is the **Dialog Nibelung** software module for control and management of a language lab computer classroom.



Figure 36: Teacher module window

Elements of the teacher module window ([Figure 36: on page 41](#)):

-
- 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 USB dongle with the license key when you purchased the software. The USB dongle 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 37: on page 41](#)).

page 42), while the panel background acquires group color or becomes white if the student is not a part of any group.



Figure 37: Active student panel

Elements of the student panel ([Figure 37: on page 42](#)):

-
- | | |
|---|-------------------|
| 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 38: on page 42](#)).

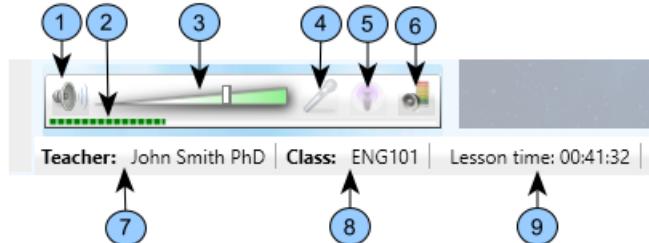


Figure 38: Teacher module sound controls and status bar

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, Windows 7 and Windows 8.

An icon (*Figure 39:* on page 43) will appear in the upper right corner of the window whenever the teacher's microphone is turned on.



Figure 39: **Microphone on** icon

Related Links

- [Teacher module menu](#) on page 43
- [Teacher accounts](#) on page 52
- [Teacher settings](#) on page 54
- [Class layout](#) on page 55
- [Roll call registration](#) on page 57
- [Class tab](#) on page 58
- [Group tab](#) on page 59
- [Student menu](#) on page 60
- [Grouping of students](#) on page 62
- [Interacting with students](#) on page 62
- [Remote control of student workstations](#) on page 76
- [Remote desktop window](#) on page 87
- [Student activities](#) on page 88
- [Media sources](#) on page 105
- [Toolbar customization](#) on page 114
- [Log book](#) on page 116
- [Software updates](#) on page 128

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 54)	
Change teacher (see section Teacher accounts on page 52)	
Account management (see section Teacher accounts on page 52)	

File menu items	Icon
Settings (see section Teacher module setup on page 30)	
Teacher settings (see section Teacher settings on page 54)	
Exit	

Class menu items	Icon
New (see section Class layout on page 55)	
Open (see section Class layout on page 55)	
Save (see section Class layout on page 55)	
Save as (see section Class layout on page 55)	
Edit (see section Class layout on page 55)	
Add student (see section Class layout on page 55)	
Remove student (see section Class layout on page 55)	
Arrange (see section Class layout on page 55)	
Roll call (see section Roll call registration on page 57)	

Logbook menu items	Icon
Start lesson (see section Lesson on page 116)	
Lesson list (see section Lesson list on page 118)	
Performance (see section Performance statistics on page 123)	
Attendance (see section Attendance statistics on page 121)	
Class statistics (see section Class statistics on page 126)	

View menu items	icon
Toolbar show / hide	
Status bar show / hide	
Customize toolbar (see section Toolbar customization on page 114)	

Tools menu items	Icon
Nibelung Media Player: launch the Nibelung Media Player on the teacher workstation (see section Tools menu on page 46)	
Video converter (convert video files into MPEG-1 format) (see section Tools menu on page 46)	
Configure student modules (see section Configure student modules on page 49)	
Edit (edit contents of the Tools menu) (see section Tools menu on page 46)	

Tools menu items	Icon
Quiz menu items	Icon
Quiz builder (see section Quiz Builder on page 140)	
Results (see section Viewing test results on page 163)	
Help menu items	Icon
Product website	
Contact Us	
Check for updates (see section Software updates on page 128)	
Update student modules: remote update of the student modules after update of the teacher module (see section Software updates on page 128)	
About Dialog Nibelung	

Related Links

[Teacher module](#) on page 41

[Tools menu](#) on page 46

[Configure student modules](#) on page 49

4.1.1 Tools menu

Selecting **Tools > Nibelung Media Player** from the menu will launch the **Nibelung Media Player** ([Figure 40](#): on page 46), which is described in further details in section [Media player](#) on page 131 of this manual.

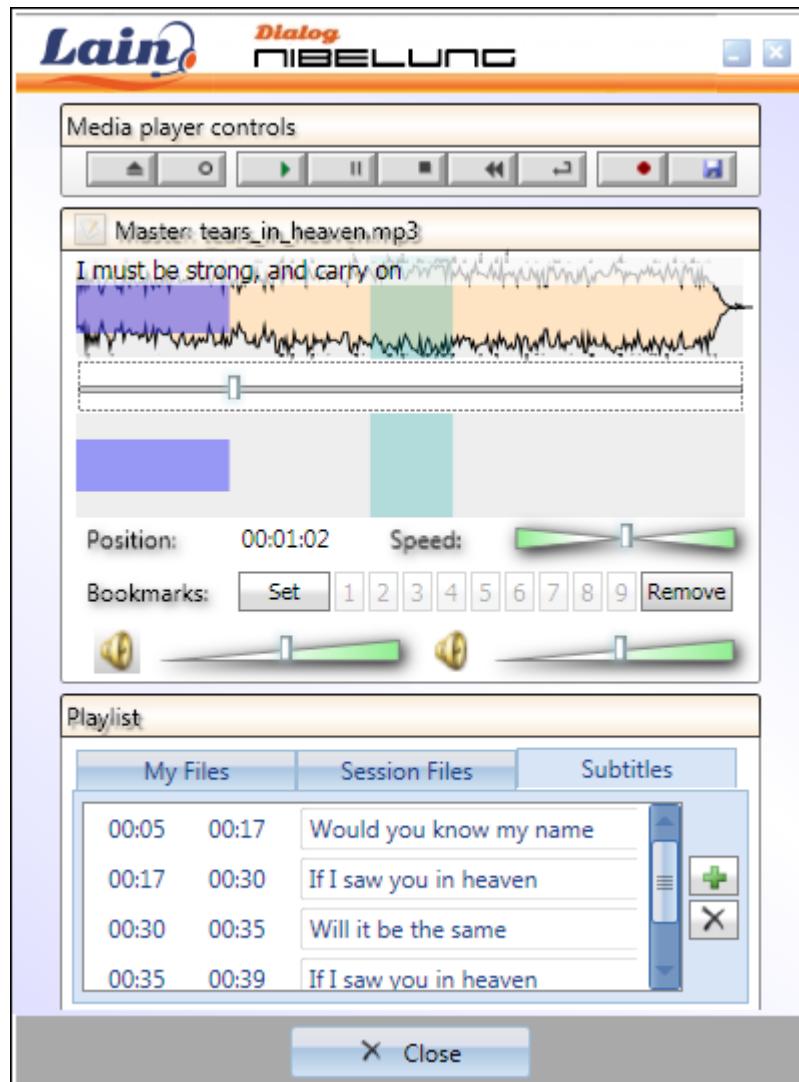


Figure 40: **Nibelung Media Player** window

Select **Tools > Video converter** to launch a converter of video files to **MPEG-1** format ([Figure 41: on page 47](#)).

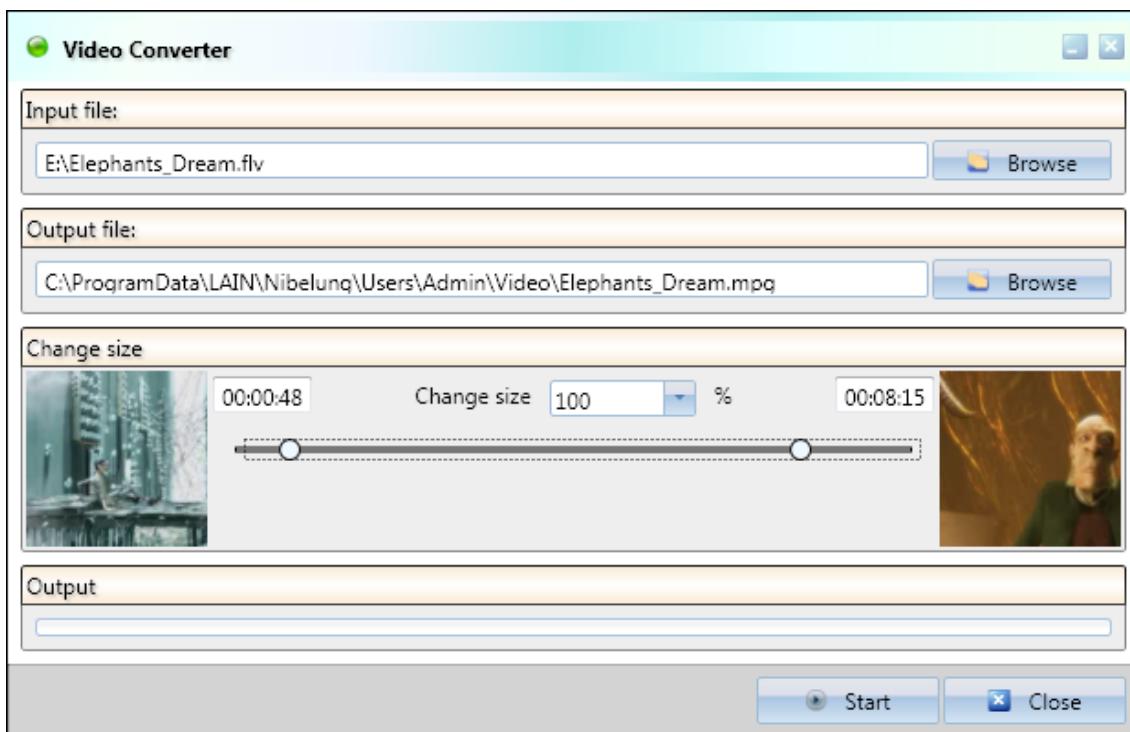


Figure 41: **Video converter** window

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 42: on page 48](#)).



Figure 42: **Video converter** window showing process output

Select **Tools > Edit** to edit contents of the **Tools** menu ([Figure 43: on page 48](#)).

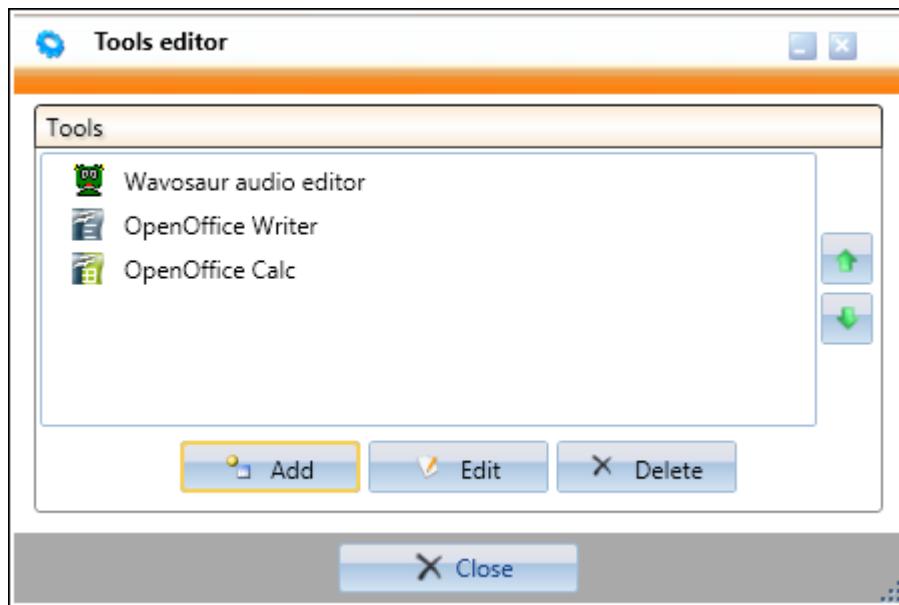


Figure 43: **Tools editor** window

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 44: on page 49) will appear on your screen upon pressing either **Add** or **Edit** buttons.

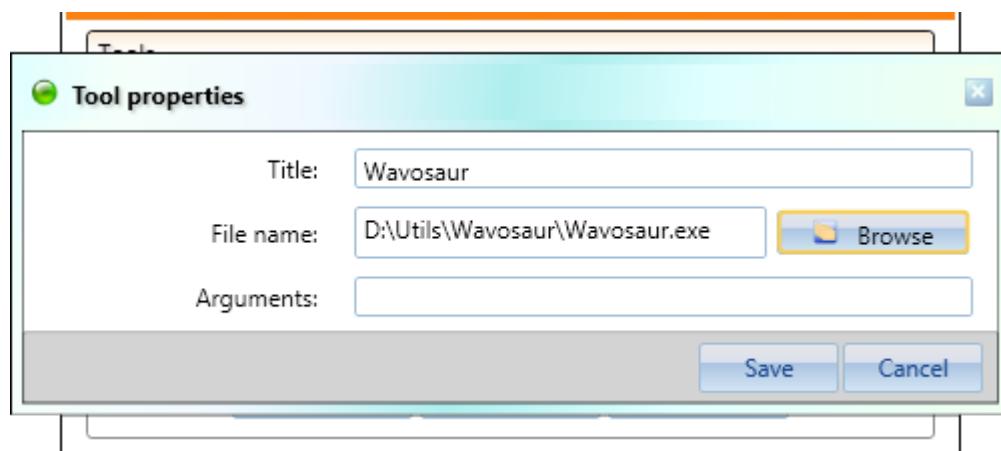


Figure 44: **Tool properties** window

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 43

4.1.2 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.

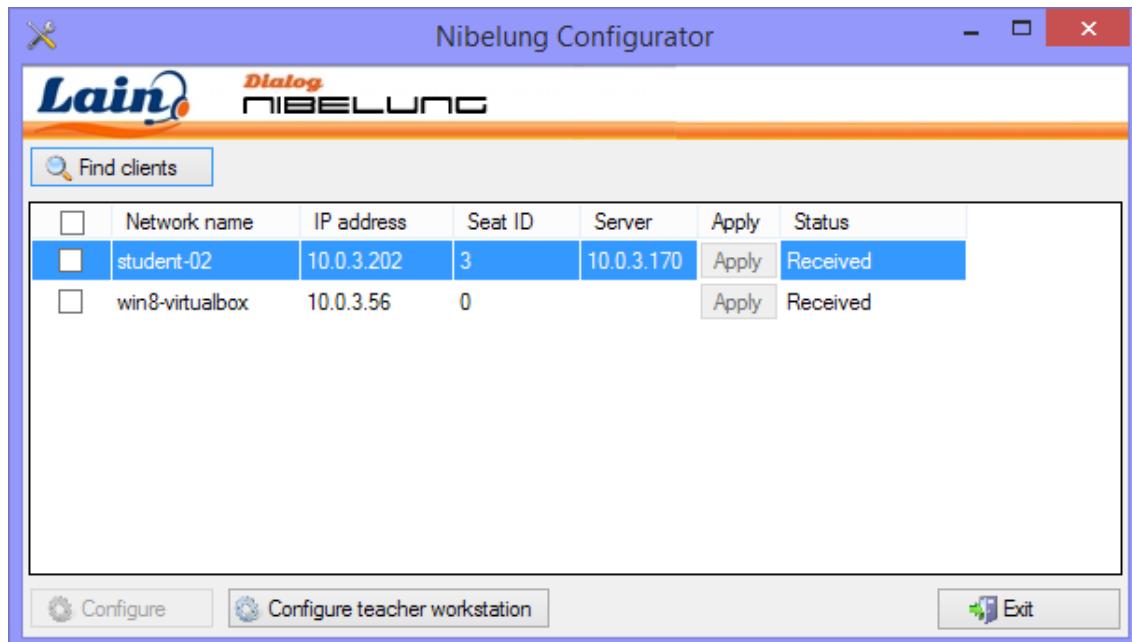


Figure 45: **Nibelung Configurator** window

Nibelung Configurator main window (Figure 45: on page 49) 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 46: on page 51](#));
- **Configure teacher workstation:** open the teacher module settings window ([Figure 47: on page 52](#));
- **Exit:** exit Nibelung Configurator.

Fields in the student workstation list:

- **Select:** mark student workstations for mass editing in the **Edit settings** window ([Figure 46: on page 51](#)) 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 31);
- **Server:** IP address or network name of the teacher workstation (see section [Student module setup](#) on page 31);
- **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 46: on page 51](#)):

- **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;

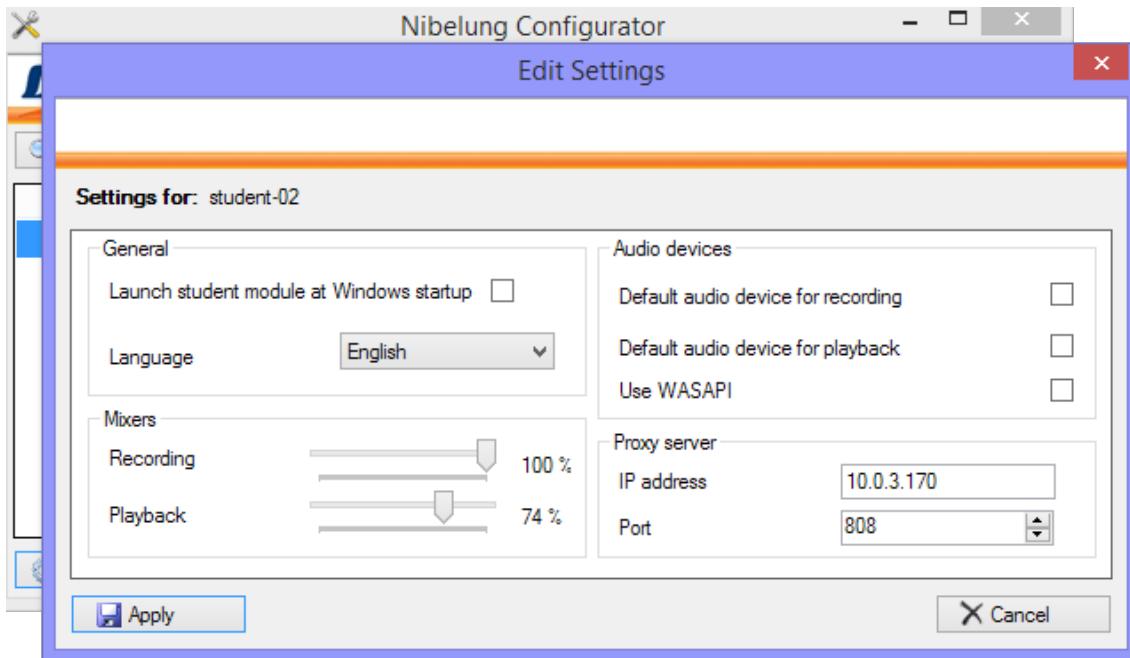


Figure 46: Student modules' settings window

Please refer to section [Student module setup](#) on page 31 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 47:](#) on page 52):

- **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;

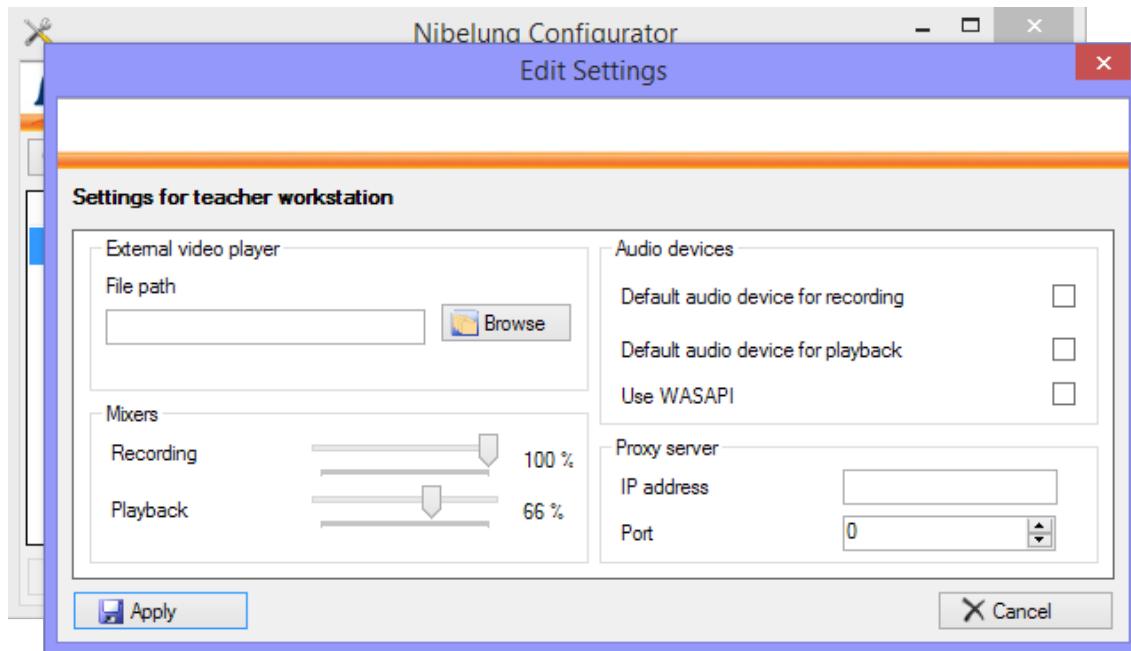


Figure 47: Teacher module settings window

Please refer to the section [Teacher module setup](#) on page 30 of this manual for further details of the teacher module settings.

Related Links

[Teacher module menu](#) on page 43

4.2 Teacher accounts

Upon successful launch of the teacher module you will be presented with the login window ([Figure 48:](#) on page 52) on your screen. One must enter a valid teacher name and password to access a teacher account.

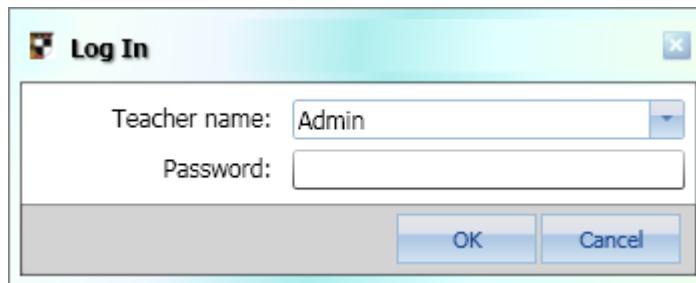


Figure 48: Teacher login window

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 48:](#) on page 52) 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 49:](#) on page 53) 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](#).

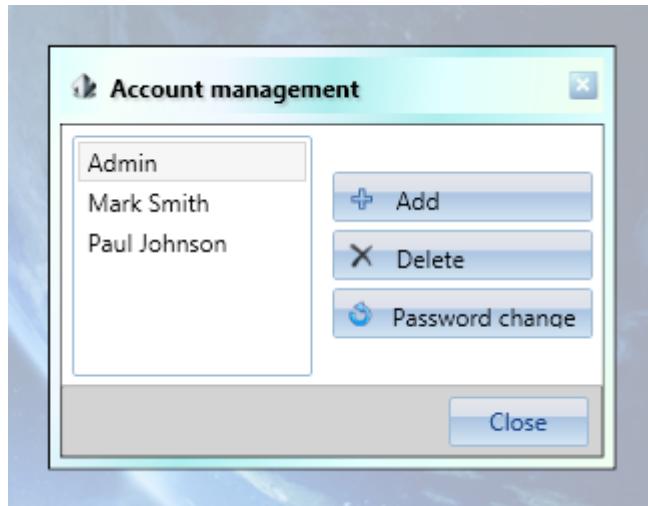


Figure 49: **Account management** window

An **Add teacher account** window ([Figure 50:](#) on page 53) 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.

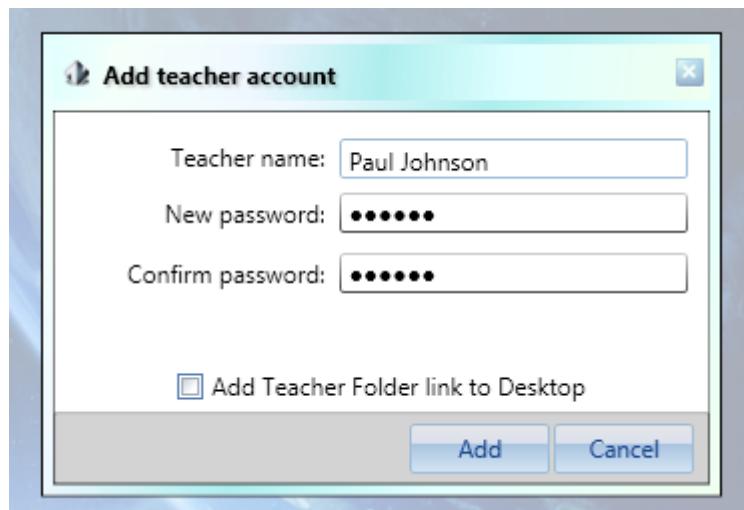


Figure 50: **Add teacher account** window

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 51](#): on page 54) that will appear next.

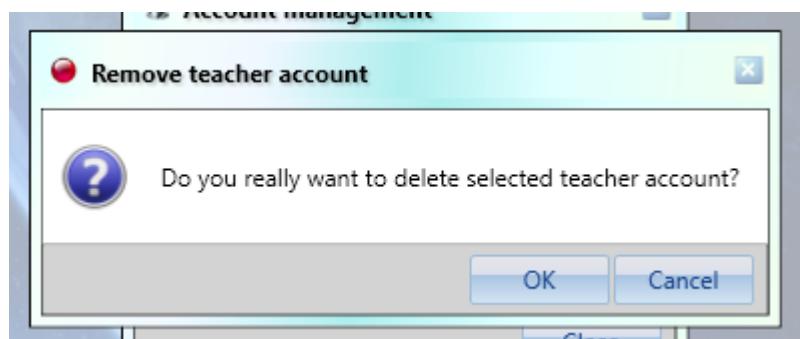


Figure 51: Remove teacher account window

Select a teacher's name from the list and press the **Change password** button to change account password. A **Password change** window ([Figure 52](#): on page 54) 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.

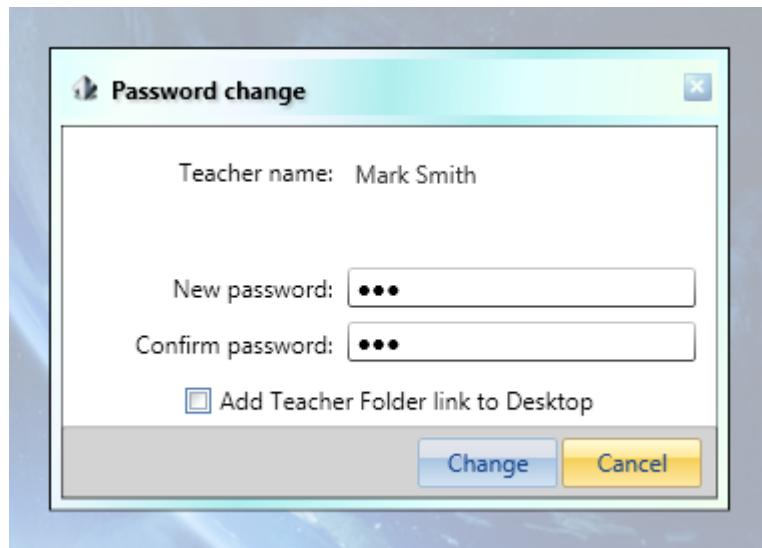


Figure 52: Change password

Related Links

[Teacher module](#) on page 41

4.3 Teacher settings

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

A **teacher settings** window ([Figure 53:](#) on page 55) will appear on your screen, where you can set parameters for a new lesson. Check the **Start new lesson automatically** box if you would like to start a new lesson upon successful login without having to start it manually via the **Logbook** menu.



Figure 53: **Teacher settings** window

In this window you can enter your lesson duration, set a warning before the lesson end and set maximum score for the lesson.

If you check the **Warn about lesson end** box, **Dialog Nibelung** will issue a reminder to the students at the set time to the end of the lesson. The countdown clock in your status line ([Figure 38:](#) on page 42) will also change to red at the same time.



Important: Please note that these settings will only be in effect for a new lesson.

Here you can also set default homepage for the lesson (see section [Internet](#) on page 100).

Related Links

[Teacher module](#) on page 41

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 54:](#) on page 55) and enter number of students and number of rows in the classroom console. Press the **OK** button.

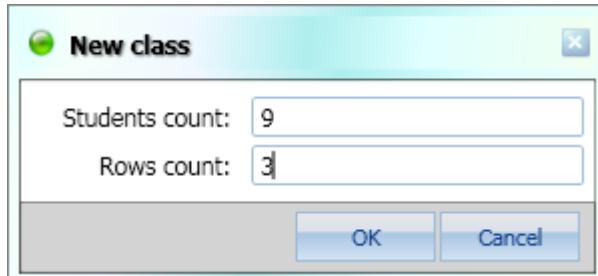


Figure 54: **New class** window

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 55:* on page 56) to save this class layout for reuse.



Figure 55: Save class window

Select **Class > Open** ([Figure 56: on page 57](#)) to open a previously saved class layout file.

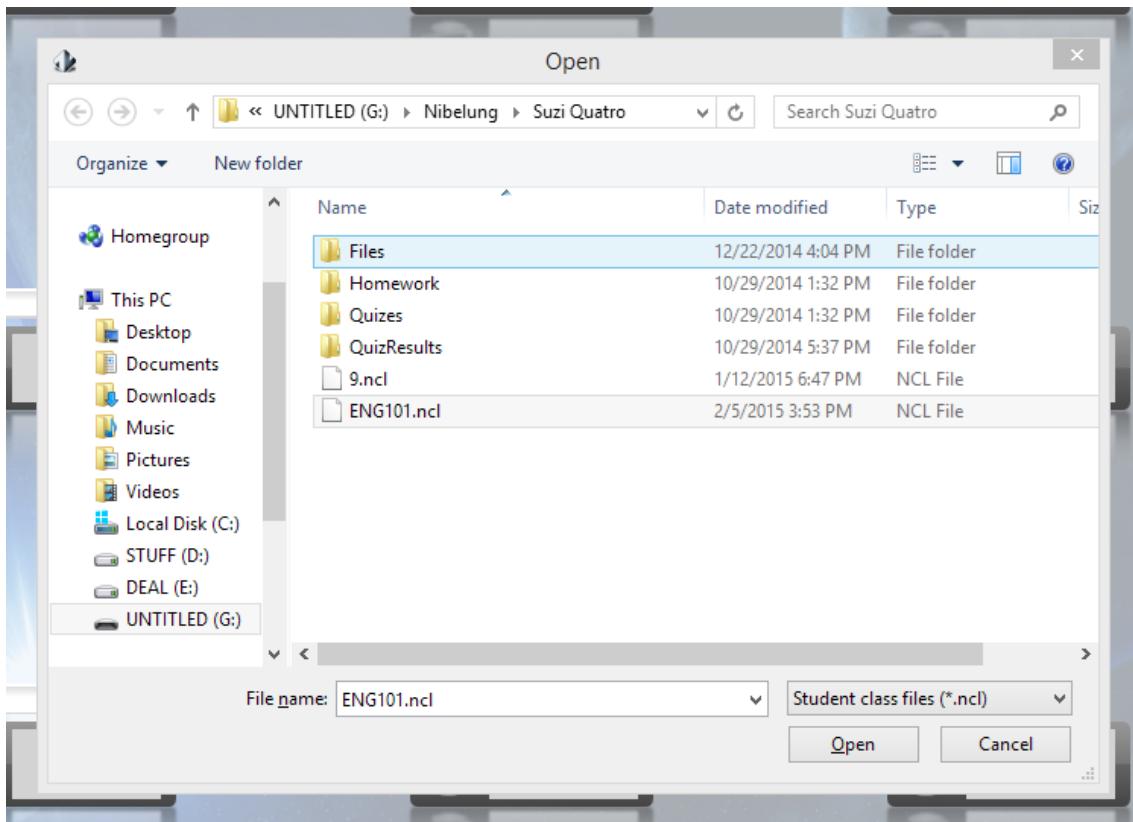


Figure 56: Open class window

Related Links

[Teacher module on page 41](#)

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 57: on page 58](#)) 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 58: on page 58](#)).

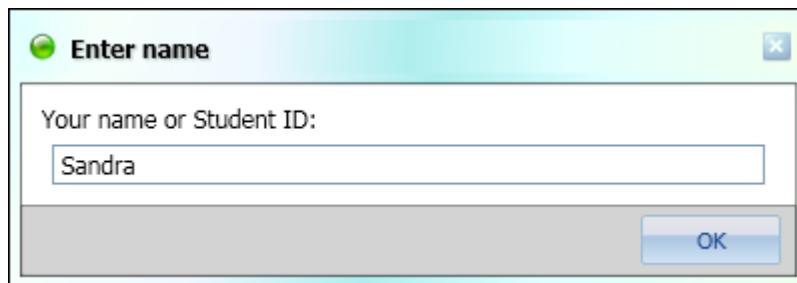


Figure 57: **Enter name** student registration window



Figure 58: 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 59: on page 58](#)) will appear on your screen after registration is completed.

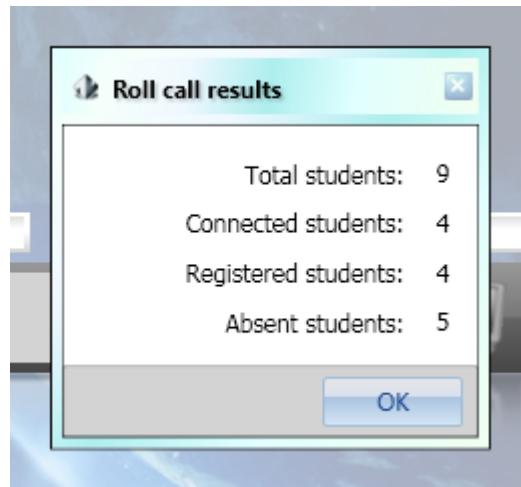


Figure 59: **Roll call results** window

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 57: on page 58](#)).

Related Links

[Teacher module](#) on page 41

4.6 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 60: on page 59](#)).

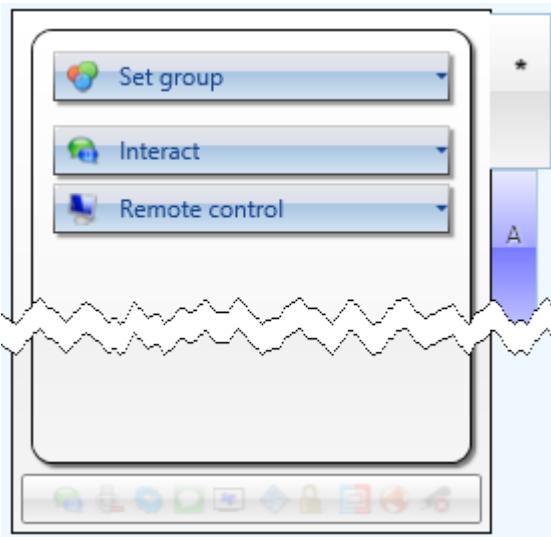


Figure 60: **Class tab** menu

Class tab menu buttons:

- **Set group** (group all registered students together) (see [Grouping of students](#) on page 62)
- **Interact** (see [Interacting with students](#) on page 62)
- **Remote control** (see [Remote control of student workstations](#) on page 76)

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

- Conversation (section [Conversation](#) on page 63)
- Microphones muted (section [Mute microphone](#) on page 80)
- Launch applications (section [Launch applications](#) on page 65)
- Class chat (section [Chat](#) on page 67)
- Input locked (section [Lock input](#) on page 79)
- Computers locked (section [Lock computer](#) on page 80)
- Application launch control (section [Launch control](#) on page 84)
- Internet access control enabled (section [Web access control](#) on page 81)
- Removable media disabled (section [Disable removable storage](#) on page 80)

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

Related Links

[Teacher module](#) on page 41

4.7 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 61: on page 60).

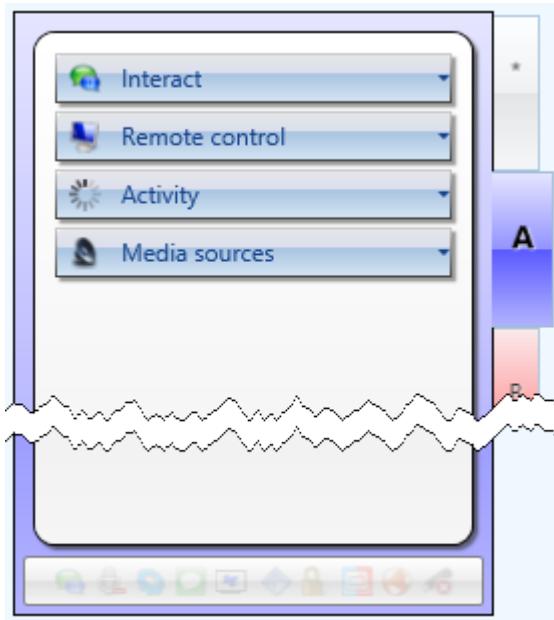


Figure 61: Group tab

Group tab menu buttons:

- **Interact** (see [Interacting with students](#) on page 62)
- **Remote control** (see [Remote control of student workstations](#) on page 76)
- **Activity** (see [Student activities](#) on page 88)
- **Media sources** (see [Media sources](#) on page 105)

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

- Conversation (section [Conversation](#) on page 63)
- Microphones muted (section [Mute microphone](#) on page 80)
- Launch applications (section [Launch applications](#) on page 65)
- Group chat (section [Chat](#) on page 67)
- Input locked (section [Lock input](#) on page 79)
- Computers locked (section [Lock computer](#) on page 80)
- Application launch control (section [Launch control](#) on page 84)
- Internet access control enabled (section [Web access control](#) on page 81)
- Removable media disabled (section [Disable removable storage](#) on page 80)

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

Related Links

[Teacher module](#) on page 41

4.8 Student menu

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

Student menu items	Icon
Listen (see Listen on page 63)	
Conversation (see Conversation on page 63)	
Mute microphone (see Mute microphone on page 80)	

Student menu items	Icon
Record (see Recording on page 64)	
Record conversation (see Recording conversation with the teacher on page 64)	
Message (see Messaging on page 68)	
Homework (see Homework assignments on page 70)	
Screen thumbnail (see Screen thumbnails on page 77)	
Web cam (see Video monitoring on page 78)	
Remote desktop (see Remote desktop window on page 87)	
Lock input (see Lock input on page 79)	
Lock computer (see Lock computer on page 80)	
Terminate process (see Terminating remote processes on page 85)	
Internet access (see Internet access control on page 80)	
Removable media (see Disable removable storage on page 80)	
Raise (see Raising the student module window on page 83)	
Power control (see Power control on page 83)	
- Log out	
- Shutdown	
- Reboot	
- Standby	
- Power on	
Grade (see Log book on page 116)	
- 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 54) is not equal to 5	
Set group (see Grouping of students on page 62)	

Student menu items	Icon
- None	
- Group A	
- Group B	
- Group C	
- Group D	
- Group E	
- Group F	
Student profile (see <i>Roll call registration</i> on page 57)	
Name	
Set image	
Set photo	

Related Links

[Teacher module](#) on page 41

4.9 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 60:](#) on page 59).

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 142:](#) on page 130).

Related Links

[Teacher module](#) on page 41

4.10 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 41

[Listen](#) on page 63

[Conversation](#) on page 63

[Recording](#) on page 64

[Recording conversation with the teacher](#) on page 64

[Launch applications](#) on page 65
[Chat](#) on page 67
[Messaging](#) on page 68
[Students calling for help](#) on page 69
[Messages from students](#) on page 70
[Homework assignments](#) on page 70

4.10.1 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 60) to enable this mode.

A headset icon ([Figure 62:](#) on page 63) 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 62: Student panel in **Listen** mode

Please see [Discussion](#) on page 93 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 60) again to exit the listening mode.

Related Links

[Interacting with students](#) on page 62

4.10.2 Conversation

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

An icon ([Figure 63:](#) on page 63) will appear on panel of a student in conversation with the teacher mode.

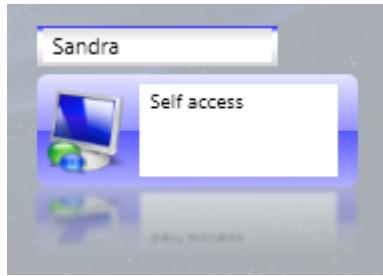


Figure 63: Conversation icon

Select **Conversation** form the student pop-up menu (see section [Student menu](#) on page 60) to enter a conversation with this particular student.

Press **Activity** button in the group tab (see section [Group tab](#) on page 59), and select **Conversation** to enter conversation with a group.

Press **Activity** button in the class tab (see section [Class tab](#) on page 58), 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 62

4.10.3 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 60) to record this student.

A recording icon ([Figure 64:](#) on page 64) will appear on the student panel.

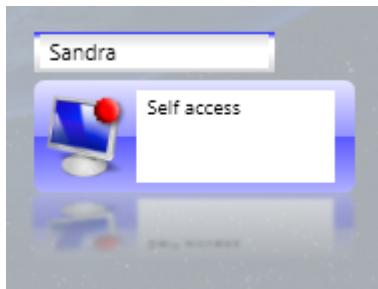


Figure 64: Recording student icon

Select group tab, press **Activity** button (see section [Group tab](#) on page 59), and select **Record** to record a group of students.

Select the Class tab, press **Activity** button (see section [Class tab](#) on page 58), 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 62

4.10.4 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 65:](#) on page 65).

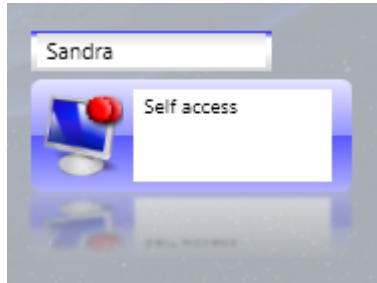


Figure 65: Recording conversation with the teacher

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 62

4.10.5 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 59) 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 58) and select **Launch** from the class tab menu to enable this mode for the whole class.

A **Launch application** window (*Figure 66:* on page 66) will appear on your screen.

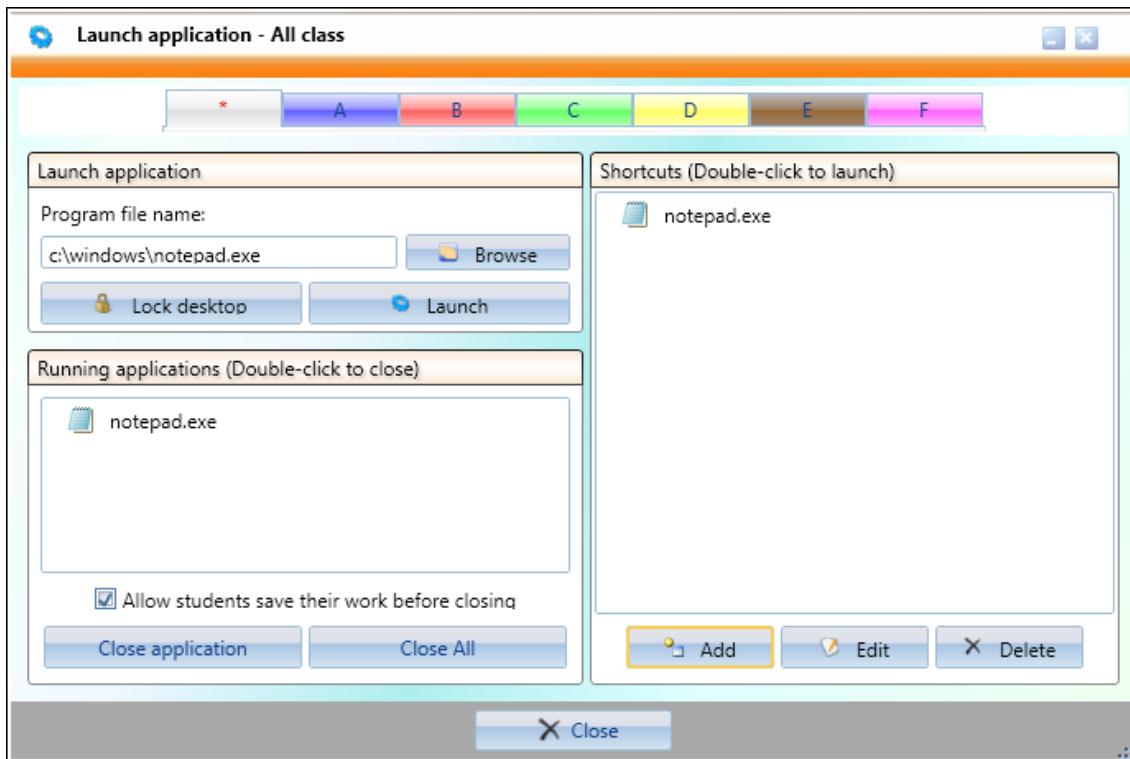


Figure 66: Launch application

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 67: on page 67](#)). 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 85).

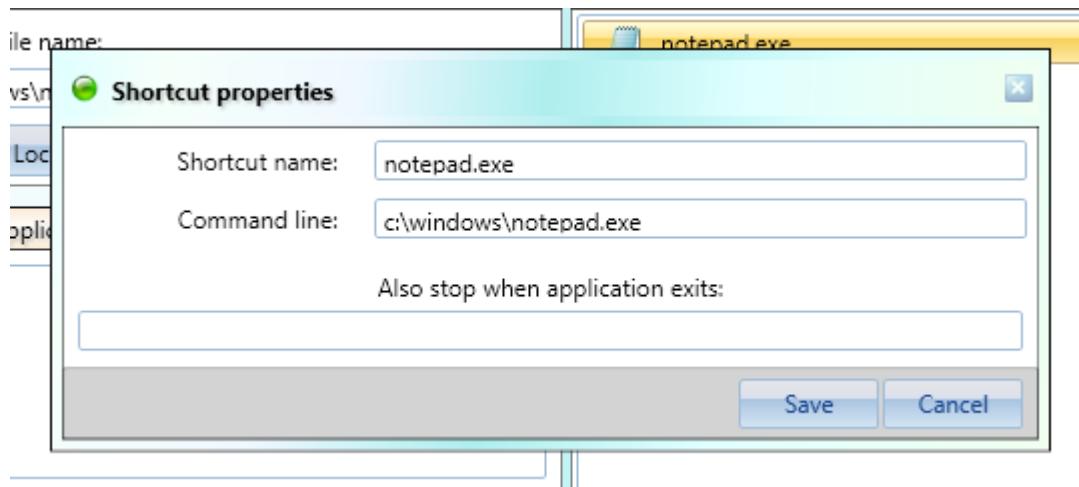


Figure 67: Application **Shortcut properties** window

Select an application from the list and press **Edit** button to edit shortcut properties. The **Shortcut properties** window ([Figure 67: on page 67](#)) 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 62

4.10.6 Chat

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

Press **Activity** button in selected group tab (see section [Group tab](#) on page 59), followed by selecting **Chat** from the group menu to start a group chat session.

A chat session window ([Figure 68](#): on page 68) 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.

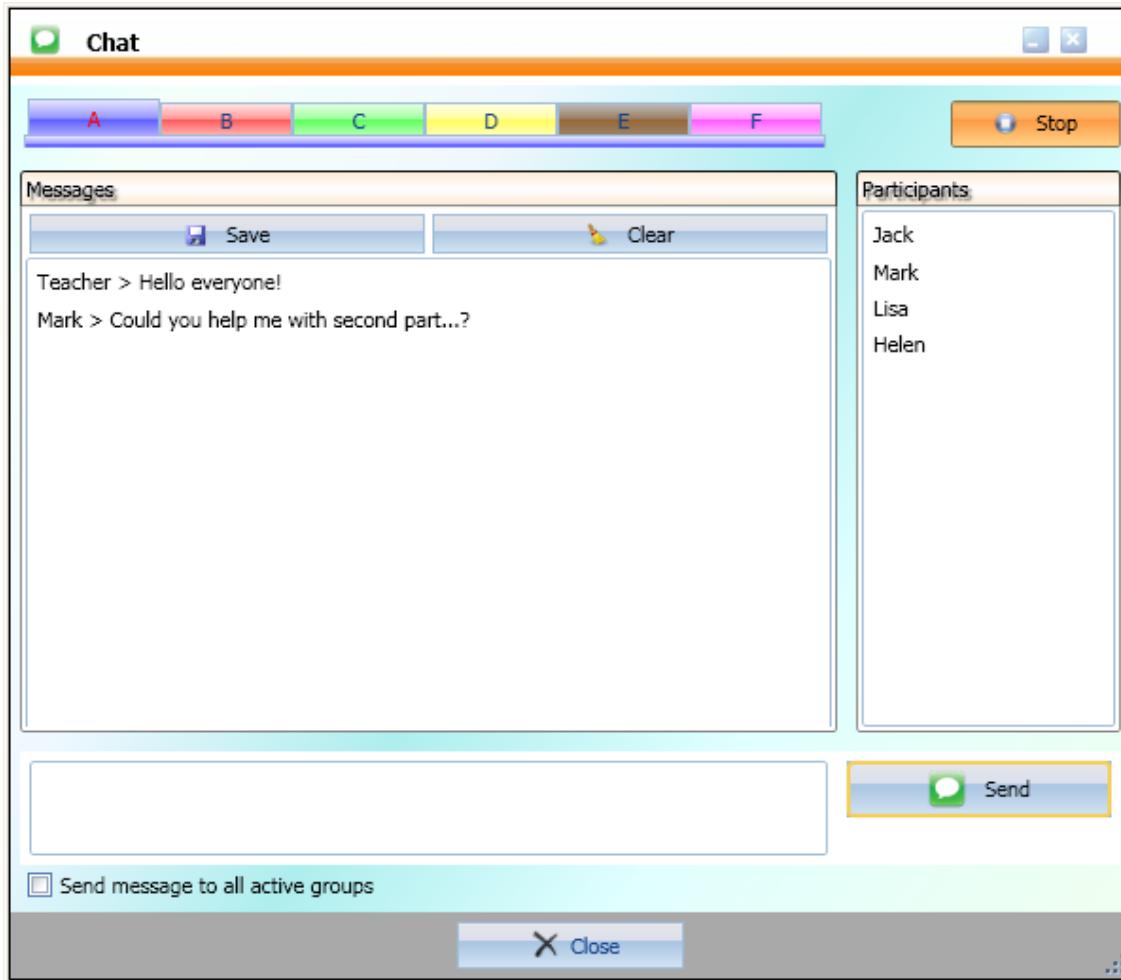


Figure 68: Chat session window

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 62

4.10.7 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 60) to send a message to this particular student.
- Press **Activity** button in a group tab menu (see section [Group tab](#) on page 59) 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 58), and then select **Message** to send a message to the whole class.

A message window ([Figure 69:](#) on page 69) will appear on your screen that will note the recipient.

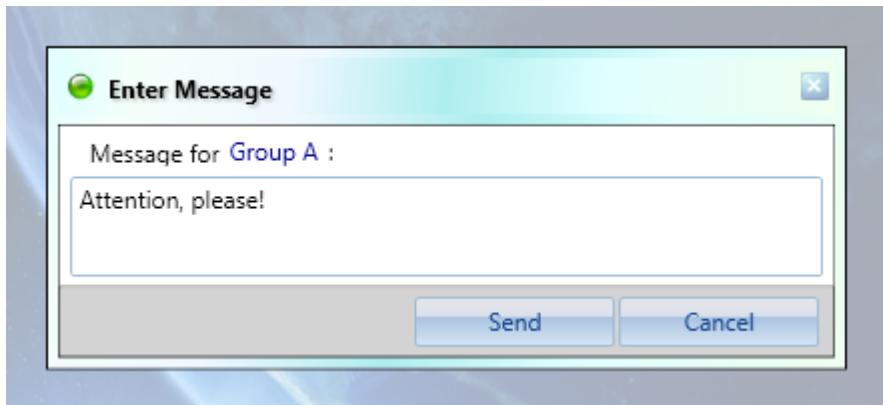


Figure 69: Message window

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 62

4.10.8 Students calling for help

A **Help me!** pop-up message ([Figure 70:](#) on page 69) 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.

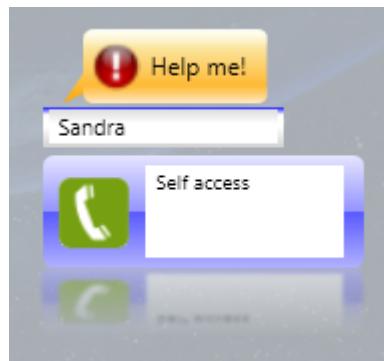


Figure 70: Student calling for help

Click on the student panel to dismiss the message and start a conversation with the student (see section [Conversation](#) on page 63).

Double click on the pop-up message to open a messaging window ([Figure 69:](#) on page 69) addressed to the student where you can inquire about the nature of the problem.

Related Links

[Interacting with students](#) on page 62

4.10.9 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 71: on page 70](#)).

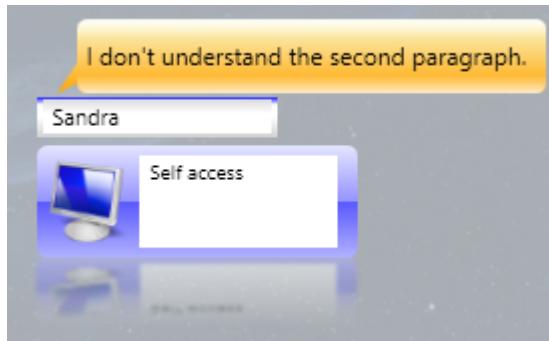


Figure 71: Message from student

Double click on the pop-up message to open a window where you can answer the message ([Figure 72: on page 70](#)).

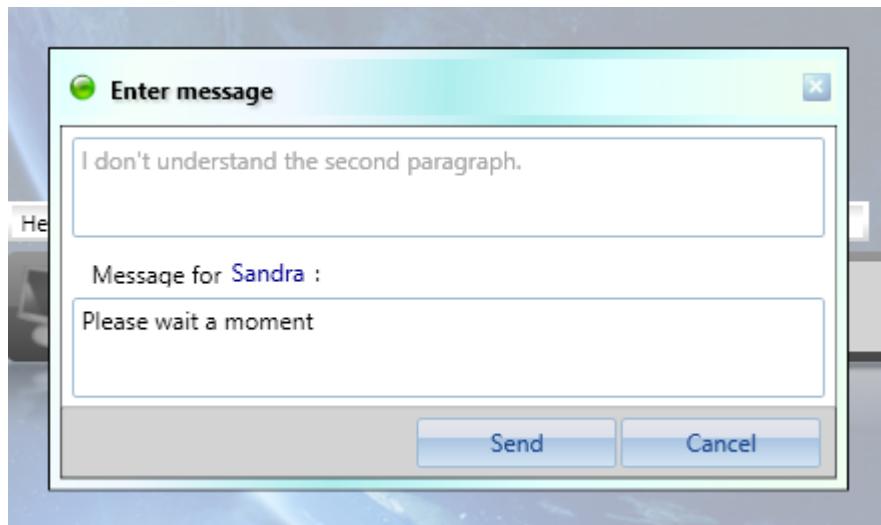


Figure 72: Answering student message

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 62

4.10.10 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 73: on page 71](#)), which contains list of assignments and tools to distribute and collect them.



Figure 73: 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 78: on page 76](#)).

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 74: on page 72](#)).

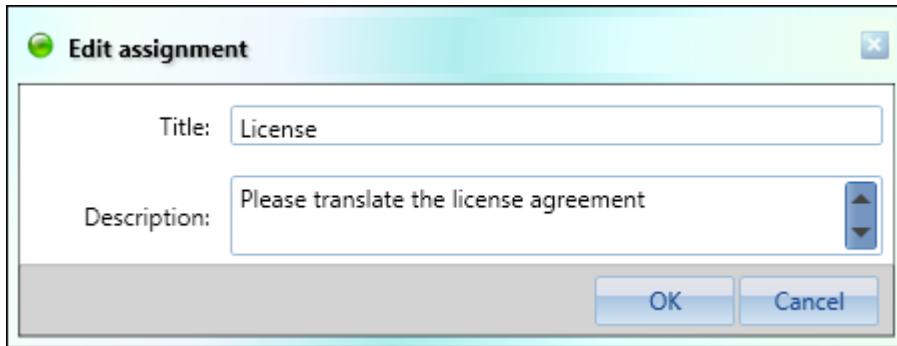


Figure 74: Add assignment window

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 75](#): on page 73) will appear on the student's screen. This window displays received assignment(s) and files associated with them.

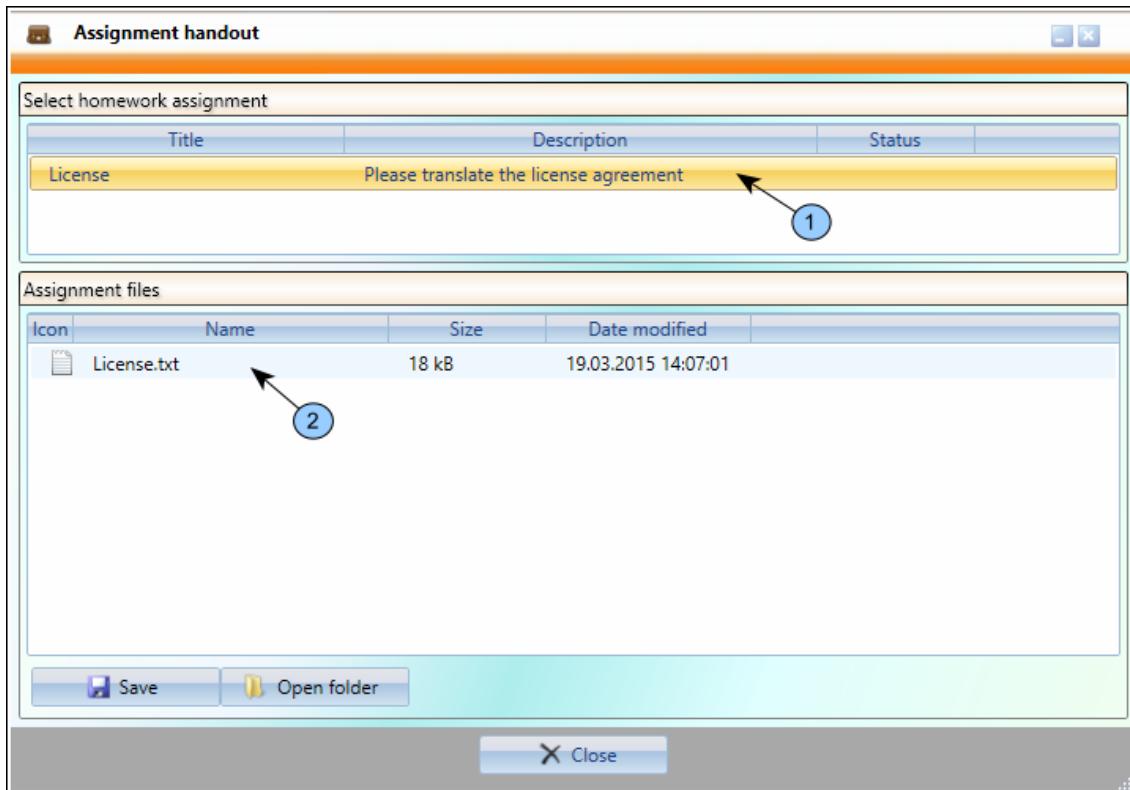


Figure 75: **Assignment handout** window on the student screen

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 76:](#) on page 74) 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.

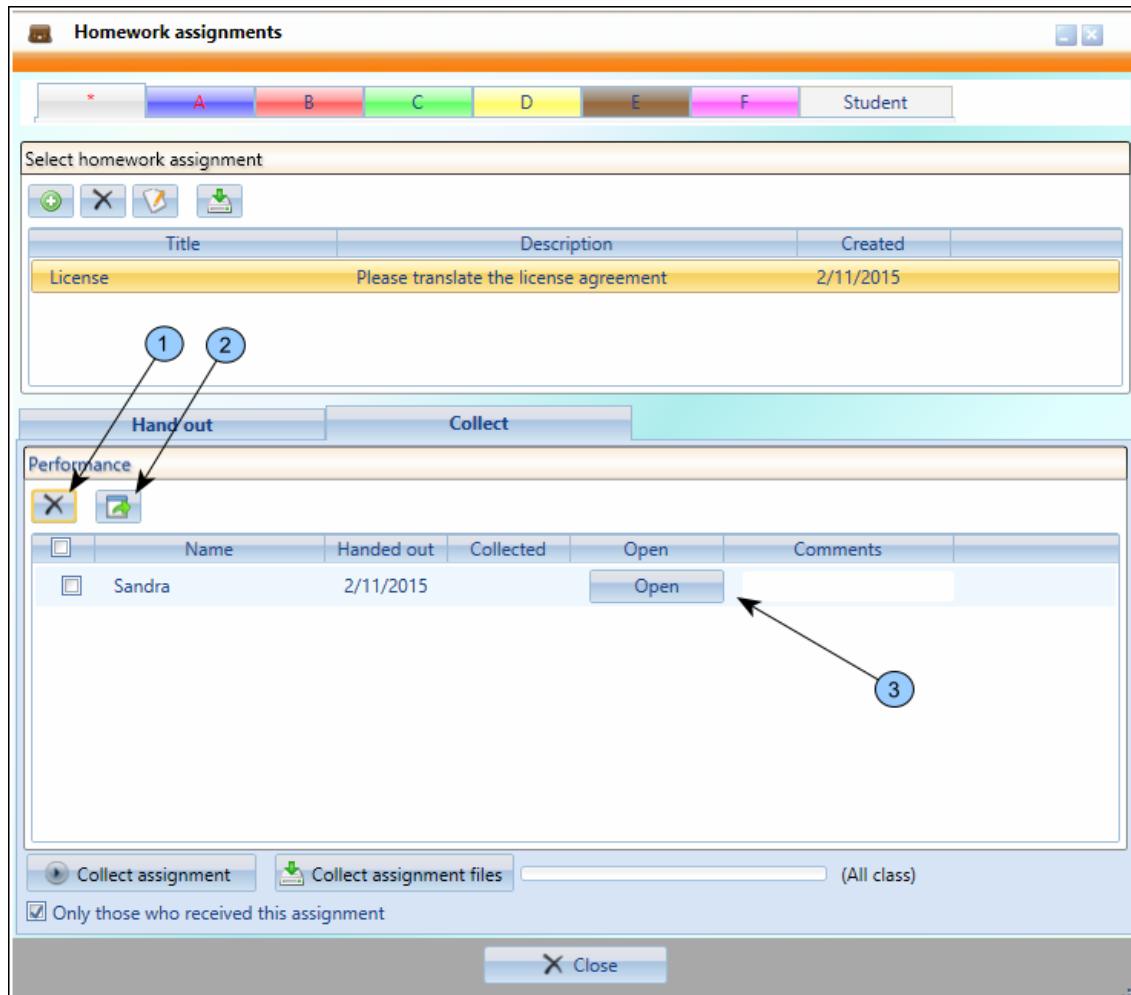


Figure 76: Homework assignments window during collection

Elements of [Figure 76:](#) on page 74 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 77:](#) on page 75) 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.

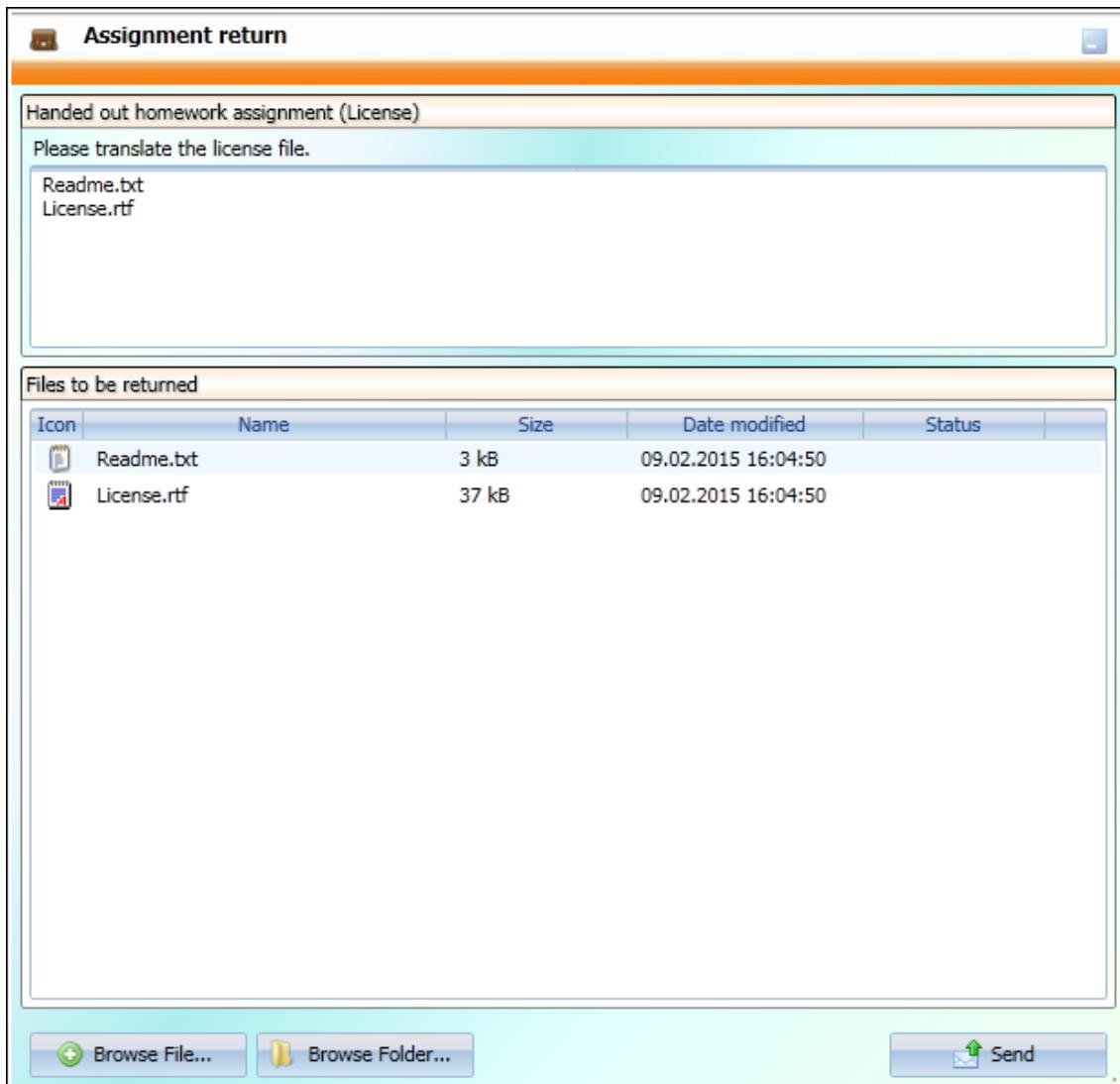


Figure 77: Assignment return window

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 76: on page 74](#)).

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 78: on page 76](#)).

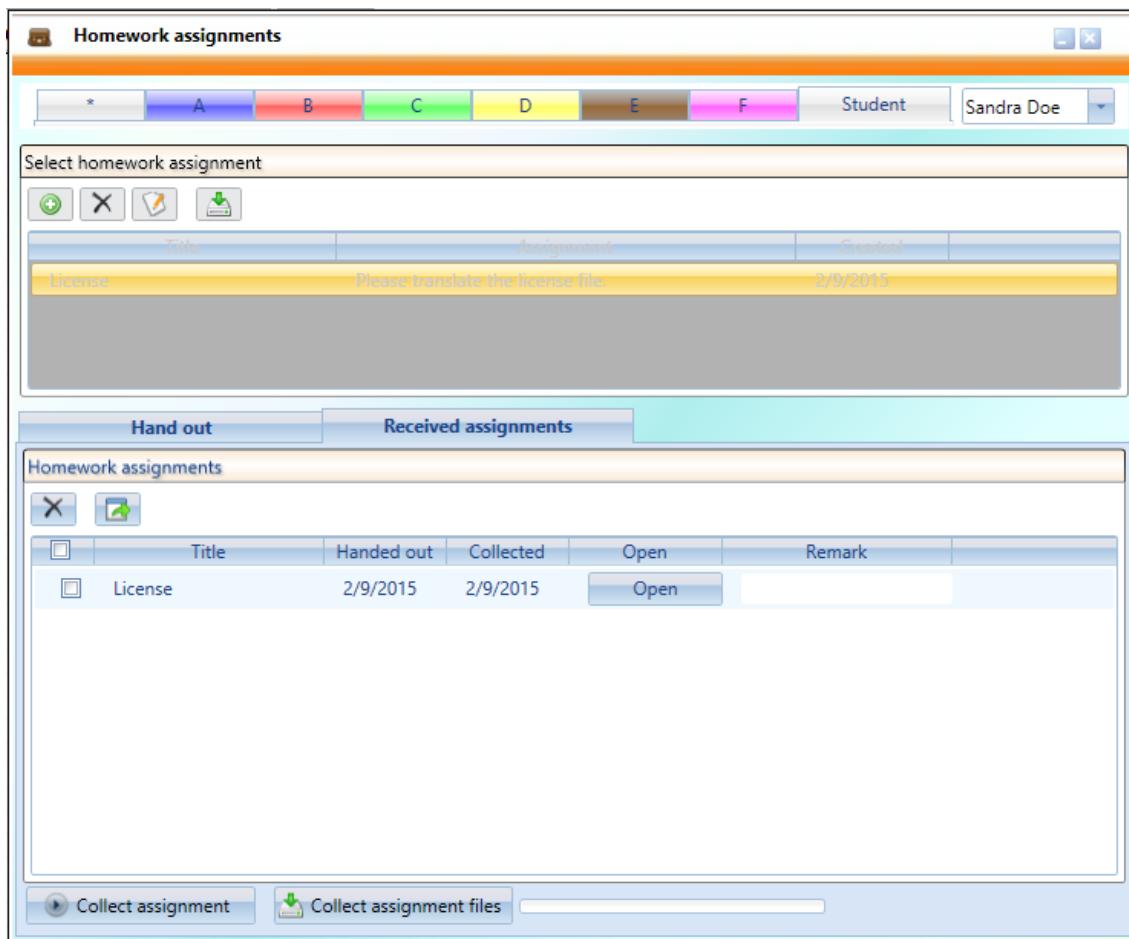


Figure 78: **Homework assignments** window with the **Student** tab selected



Important: Whenever the **Homework assignments** window was accessed through the pop-up student menu (see section [Student menu](#) on page 60), 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 62

4.11 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 41

[Screen thumbnails](#) on page 77

[Video monitoring](#) on page 78
[Autoscan](#) on page 78
[Lock input](#) on page 79
[Lock computer](#) on page 80
[Mute microphone](#) on page 80
[Disable removable storage](#) on page 80
[Internet access control](#) on page 80
[Web access control](#) on page 81
[Raising the student module window](#) on page 83
[Power control](#) on page 83
[Launch control](#) on page 84
[Terminating remote processes](#) on page 85

4.11.1 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 79:](#) on page 77) and will be updated every few seconds.



Figure 79: Student panel with screen thumbnail

Select **Screen thumbnail** from the student menu (see section [Student menu](#) on page 60) to view thumbnail for a particular student.

Press **Remote control** button in the group tab menu (see [Group tab](#) on page 59) and select **Screen thumbnail** to view thumbnails for this group.

Press **Remote control** button in the class tab menu (see [Class tab](#) on page 58) 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 90:](#) on page 88).

Repeat actions described above to disable display of screen thumbnails.

Related Links

[Remote control of student workstations](#) on page 76

4.11.2 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 80: on page 78](#)).



Figure 80: Student panel displaying web cam feed

Select **Web cam** from the student menu (see [Student menu](#) on page 60) to monitor video feed for this particular student.

Press **Remote control** button in the group tab menu (see [Group tab](#) on page 59) 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 58) 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 76

4.11.3 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 60: on page 59](#)) and select **Autoscan** to activate autoscan mode for the whole class. Press **Remote control** button in the group tab menu ([Figure 61: on page 60](#)) 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 81: on page 79](#)). Student names will be displayed in the window title bar.

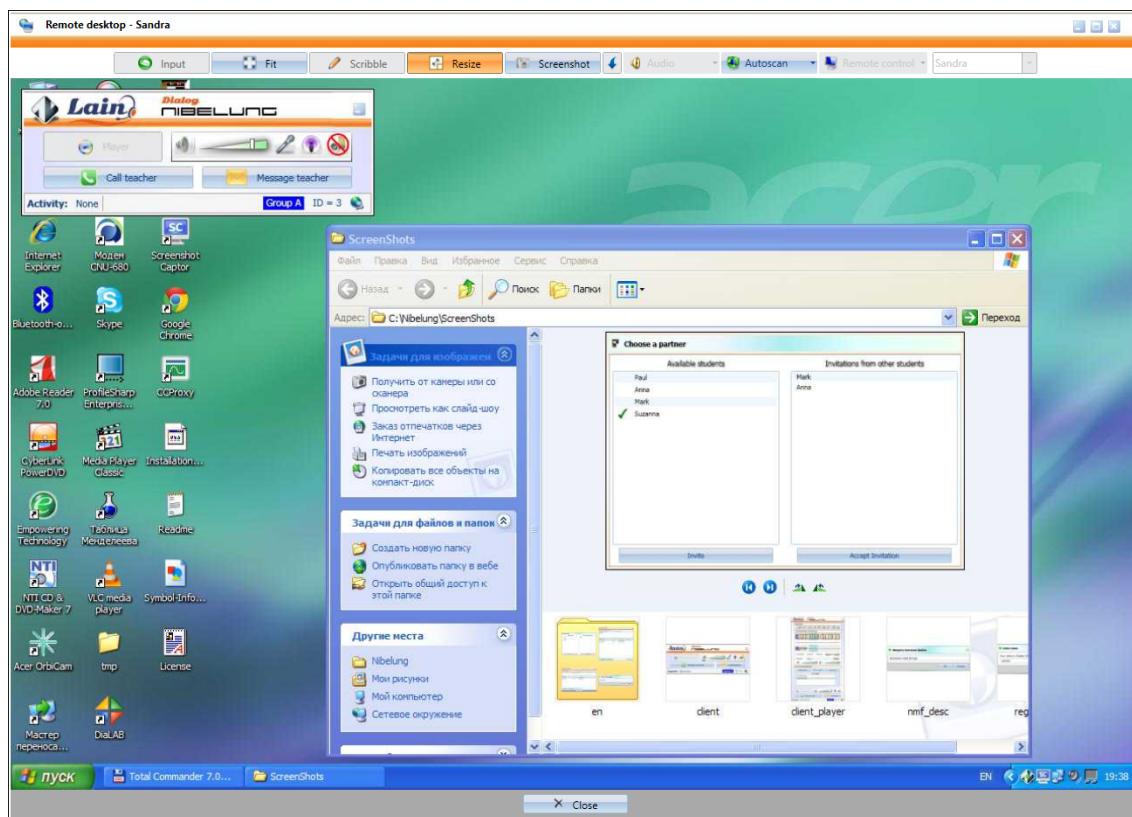


Figure 81: **Remote desktop** window in autoscan mode displaying screenshot from a student workstation

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 90: on page 88](#)).

Related Links

[Remote control of student workstations](#) on page 76

4.11.4 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 60) to lock input for the selected student.

Press **Remote control** in the group tab menu (see [Group tab](#) on page 59) 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 58) 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 76

4.11.5 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 82:](#) on page 80).

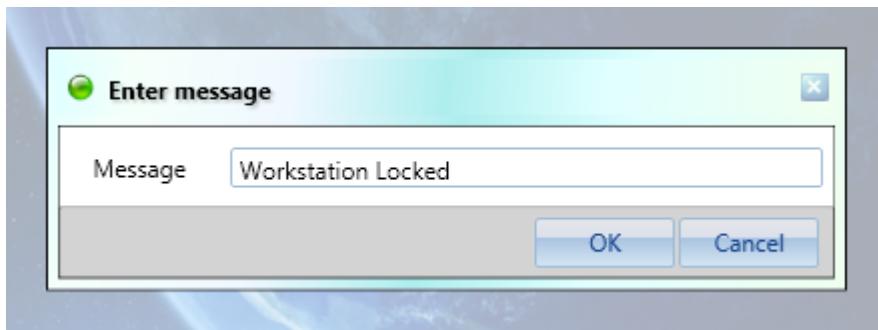


Figure 82: Specifying a message to be displayed on locked out screens

Select **Lock computer** from the student menu (see [Student menu](#) on page 60) to lock a single computer.

Press **Remote control** button in the group tab menu (see [Group tab](#) on page 59) 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 58) 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 76

4.11.6 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 76

4.11.7 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 76

4.11.8 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 83: on page 81](#)). Access to these ports from affected student workstations will be disabled.

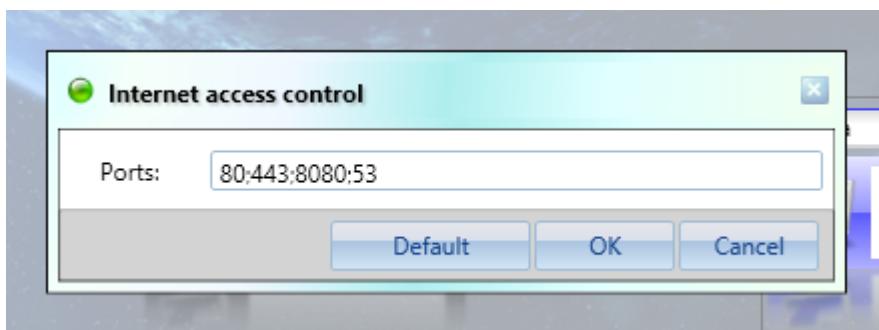


Figure 83: Internet access control window



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 60](#)) to set up Internet access control for a single student.

Press **Remote control** button in the group tab menu (see [Group tab on page 59](#)) 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 58](#)) 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 60](#)) to disable Internet access control.

Related Links

[Remote control of student workstations on page 76](#)

4.11.9 Web access control

In addition to the Internet access control on the service level (see [Internet access control on page 80](#)), **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 84: on page 82](#)).

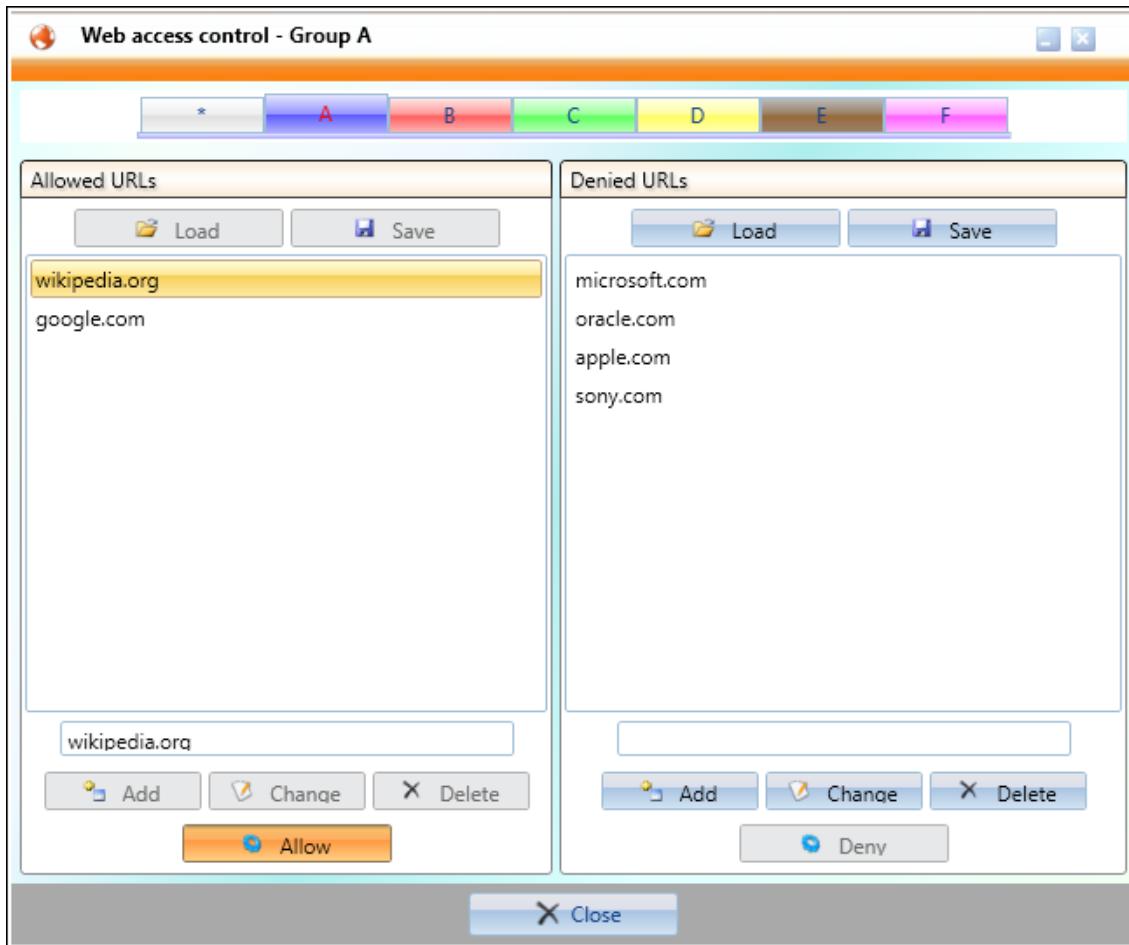


Figure 84: **Web access control** window

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 85](#): on page 83).

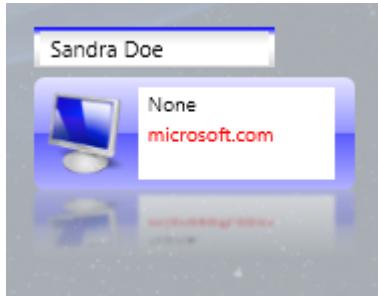


Figure 85: Monitoring student Internet access

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

Related Links

[Remote control of student workstations](#) on page 76

4.11.10 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 60) to raise the window on a particular workstation.

Press **Remote control** button in the group tab menu (see [Group tab](#) on page 59) 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 58) and select **Raise** to raise student module windows on all workstations in the class.

Related Links

[Remote control of student workstations](#) on page 76

4.11.11 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 page 33) for the remote **Power on** to function properly.

Select **Power control** from the student menu (see [Student menu](#) on page 60) 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 59), 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 58), 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 76

4.11.12 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 86: on page 84](#)).

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

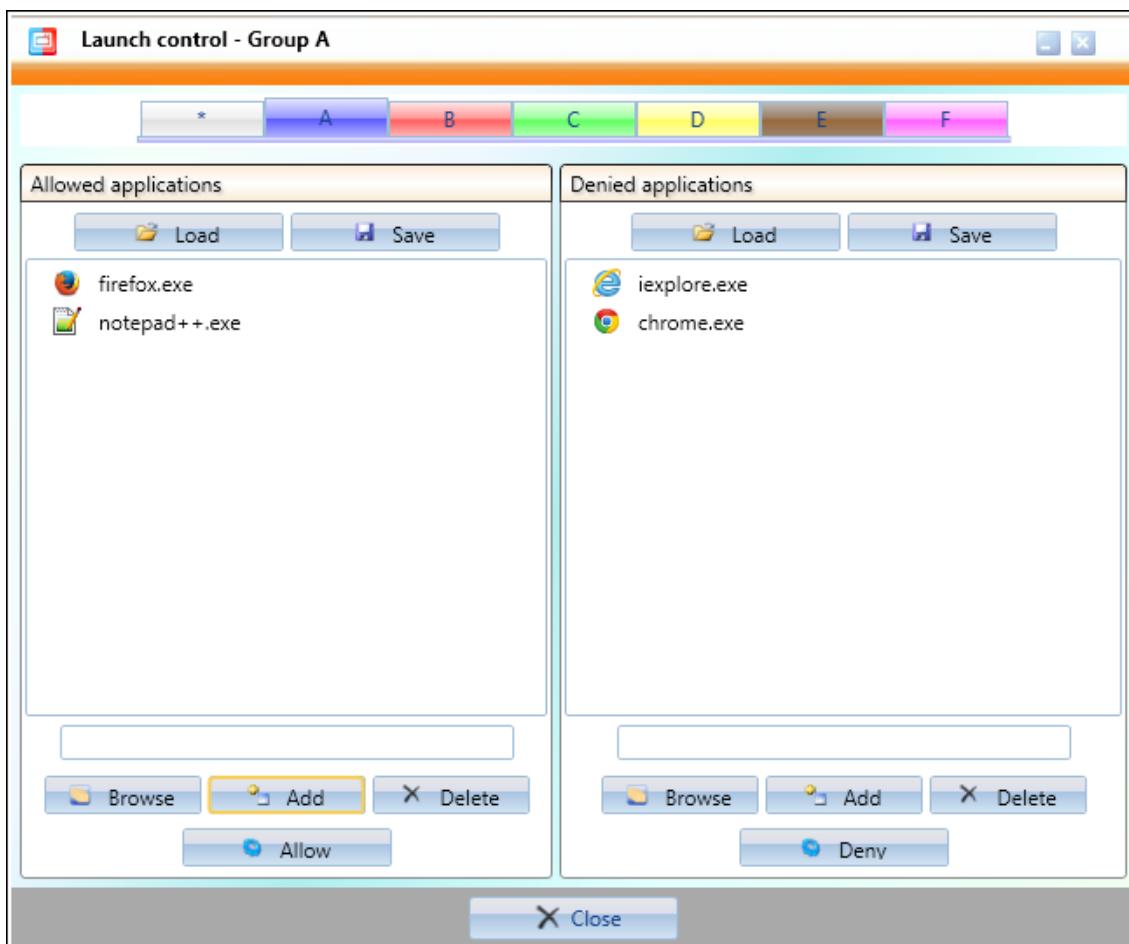


Figure 86: **Launch control** window

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 76

4.11.13 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 87:](#) on page 85). You can also terminate several remote processes at once by specifying several names separated by semicolons.

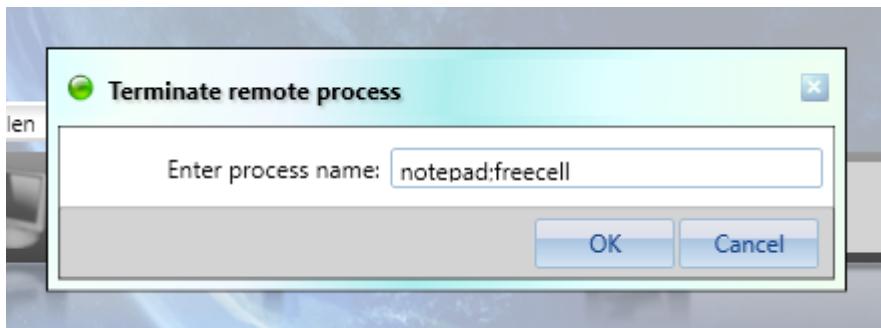


Figure 87: **Terminate remote process** window

Select **Terminate remote process** from the student menu (see [Student menu](#) on page 60) 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 88:](#) on page 86). 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 88: **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 .

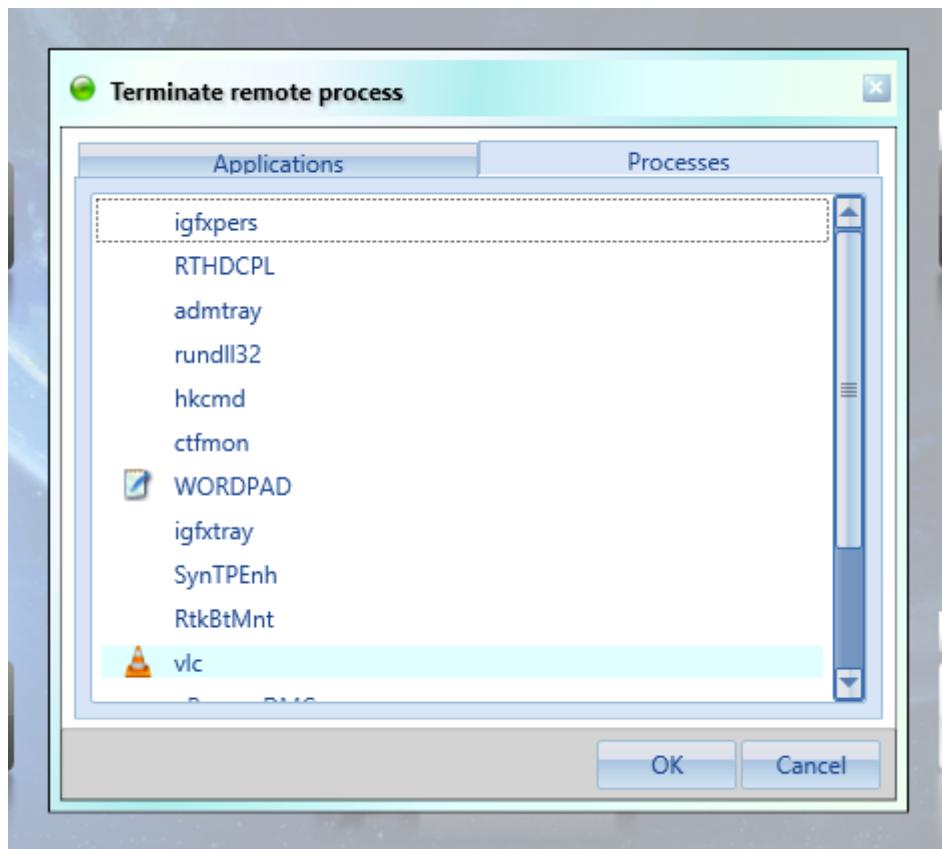


Figure 89: Terminate remote process window with the **Processes** tab selected

Related Links

[Remote control of student workstations](#) on page 76

4.12 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 60) to call up the **Remote Desktop** window ([Figure 90:](#) on page 88) on your screen. The window contains a copy of the student's screen (11), list of logged in students (9), and the following buttons:

- 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 98 for further details);
- 4 **Resize** - resize remote screen to fit the window;
- 5 **Screenshot** - take a screenshot of remote computer and save a local copy;
- 6 **Audio** - audio control sub-menu:
 - **Listen** (see [Listen](#) on page 63)
 - **Conversation** (see [Conversation](#) on page 63)
 - **Record** (see [Recording](#) on page 64)
- 7 **Autoscan** - autoscan sub-menu:

- **Class;**
- **Group A...J;**
- **Set delay;**

Remote control - sub-menu for remote control functions of the student workstation:

- **Lock input** (see [Lock input](#) on page 79)
- **Lock computer** (see [Lock computer](#) on page 80)
- **Internet access** (see [Internet access control](#) on page 80)
- 8 • **Raise** (see [Raising the student module window](#) on page 83)
- **Power control;**
 - **Standby;**
 - **Reboot;**
 - **Shutdown;**

Press the **Close** button (10) at the bottom of the window to close it.

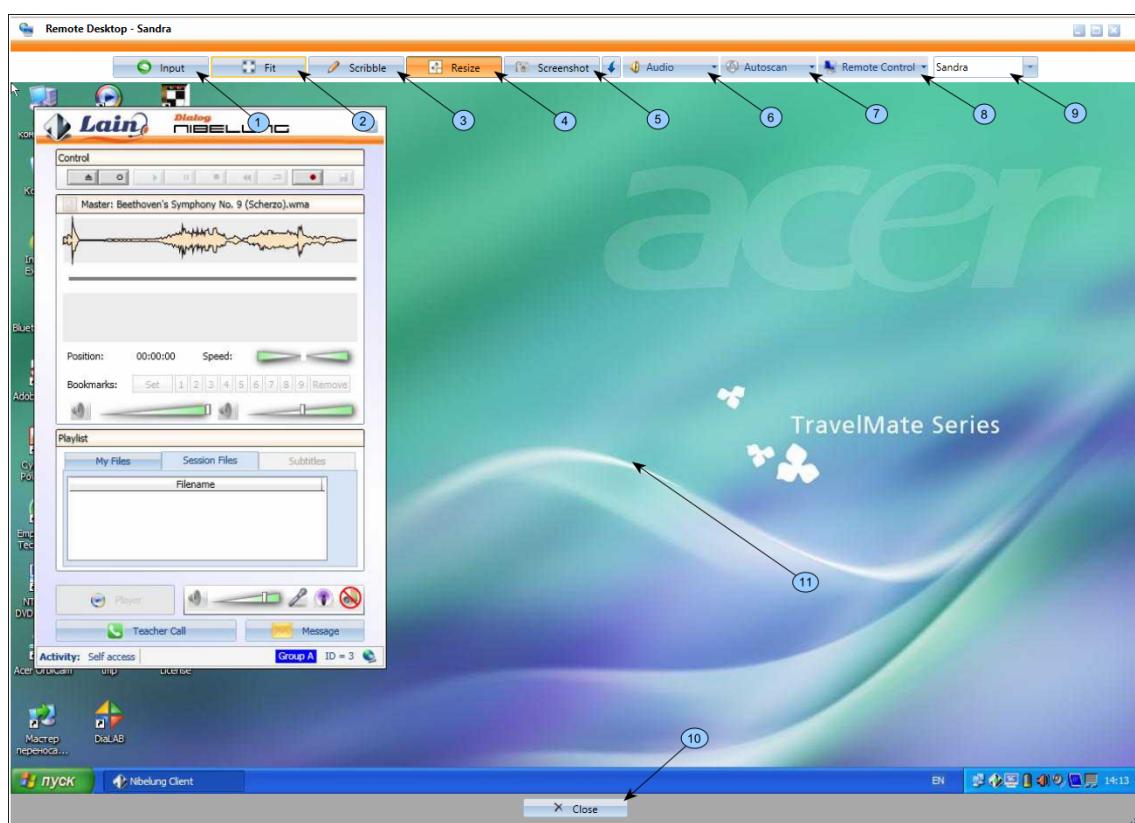


Figure 90: **Remote desktop** window

Related Links

[Teacher module](#) on page 41

4.13 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 59) and press **Activity** to open up menu of student activities. ([Figure 91:](#) on page 89):

- **None**;
- **Self access** (see [Self access](#) on page 90);
- **Discussion** (see [Discussion](#) on page 93);
- **Live screen** (see [Live screen](#) on page 98);
- **Internet** (see [Internet](#) on page 100);
- **Files** (see [Files](#) on page 102);
- **Quiz** (see [Quiz](#) on page 104).

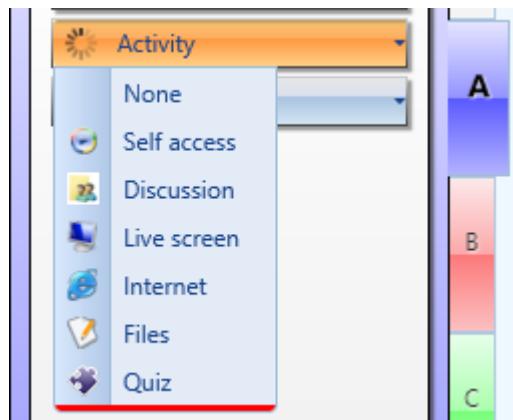


Figure 91: Group activity menu

An activity control tab ([Figure 92:](#) on page 89) will appear upon selecting an item from the **Activities** menu and the selected activity will receive a check mark.

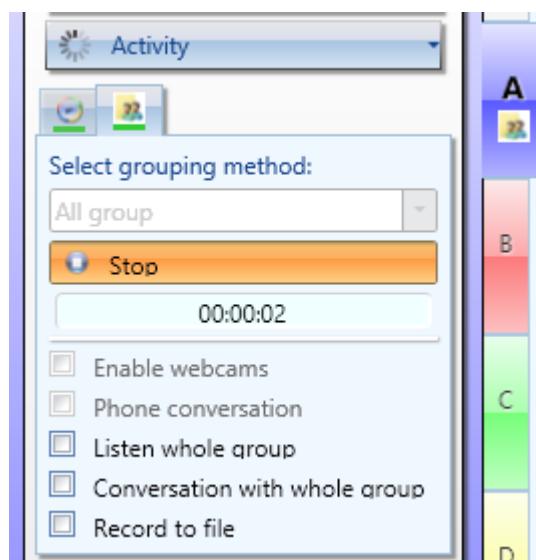


Figure 92: Current activities for a group

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 41

[Self access](#) on page 90

[Discussion](#) on page 93

[Live screen](#) on page 98

[Internet](#) on page 100

[Files](#) on page 102

[Quiz](#) on page 104

4.13.1 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 93:](#) on page 90) student modules will automatically open a media player window.

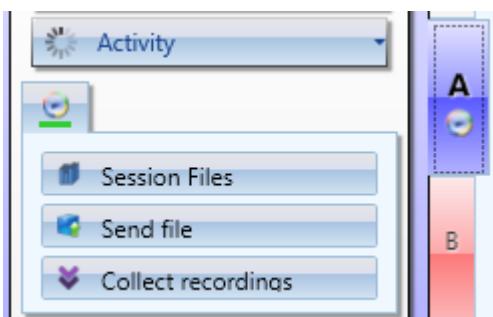


Figure 93: **Self access** activity control tab

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 93: on page 90](#)). This will open the **Session files** window ([Figure 94: on page 91](#)).

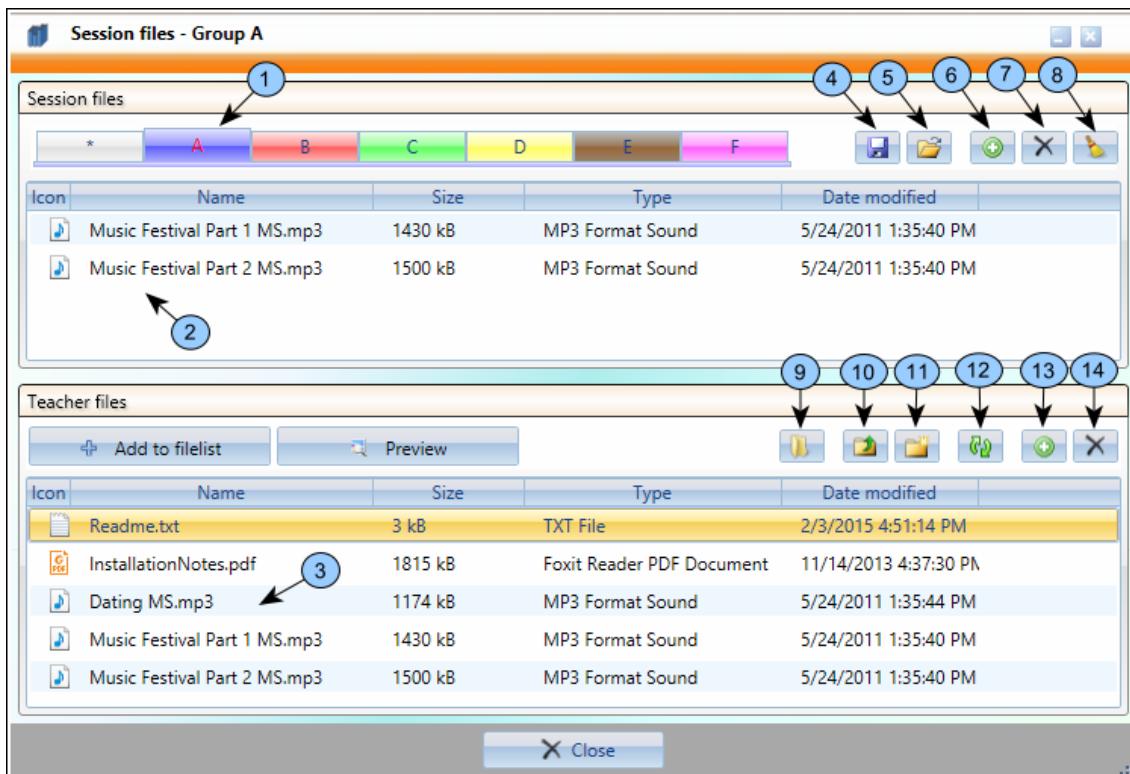


Figure 94: **Session files** window

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 94: on page 91](#)). Use the **+** button (13 in [Figure 94: on page 91](#)) 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 95: on page 92](#)), select the file and press **Send**.

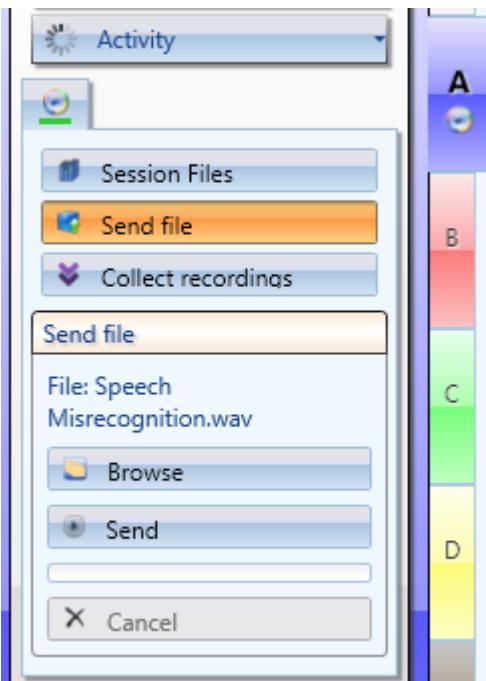


Figure 95: **Self access > Send file** menu

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 37: on page 42](#)).



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 96](#): on page 93) 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).

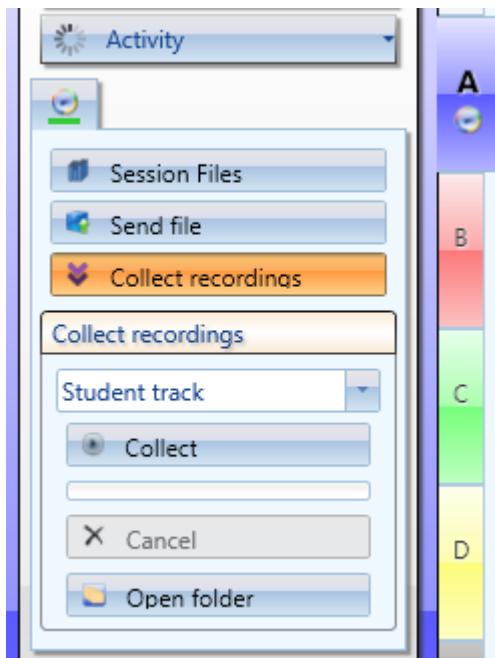


Figure 96: **Self access > Collect recordings** menu

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 88

4.13.2 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 97: on page 94](#)) to initiate discussion for the whole group.

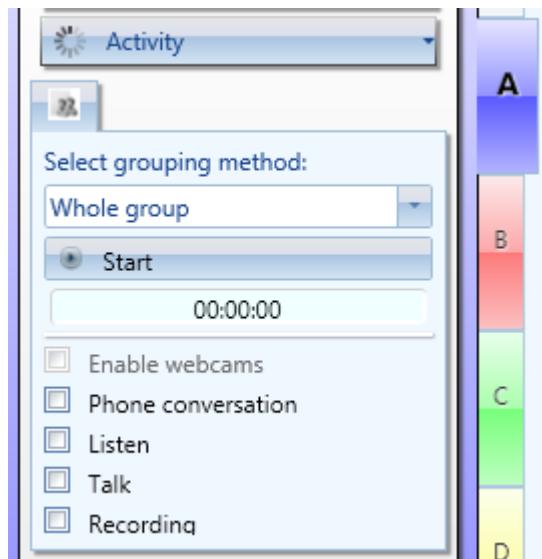


Figure 97: **Discussion** control tab for the **Whole group**

Student panels of all students participating in the discussion will change their appearance ([Figure 98: on page 94](#)).



Figure 98: 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 99: on page 95](#)) 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.

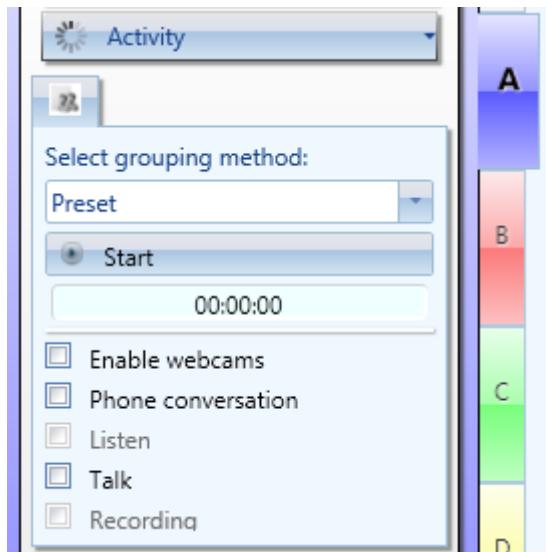


Figure 99: **Discussion** menu for **Preset** pairs

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 60) 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 100: on page 95](#)).



Figure 100: 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 101: on page 96](#)) to initiate discussion in pairs assigned at random.



Figure 101: **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 102: on page 96](#)). 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.

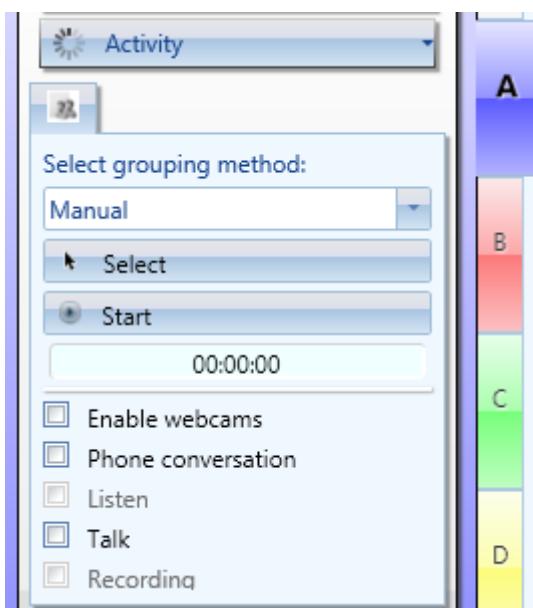


Figure 102: **Discussion** menu for manual grouping

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 103: on page 97](#)).

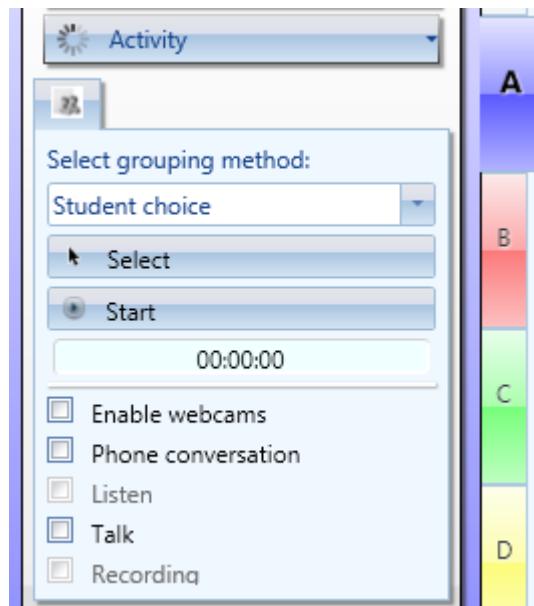


Figure 103: **Discussion** menu for student choice of partners

A **Choose a partner** window will appear on student screens ([Figure 104: on page 97](#)).

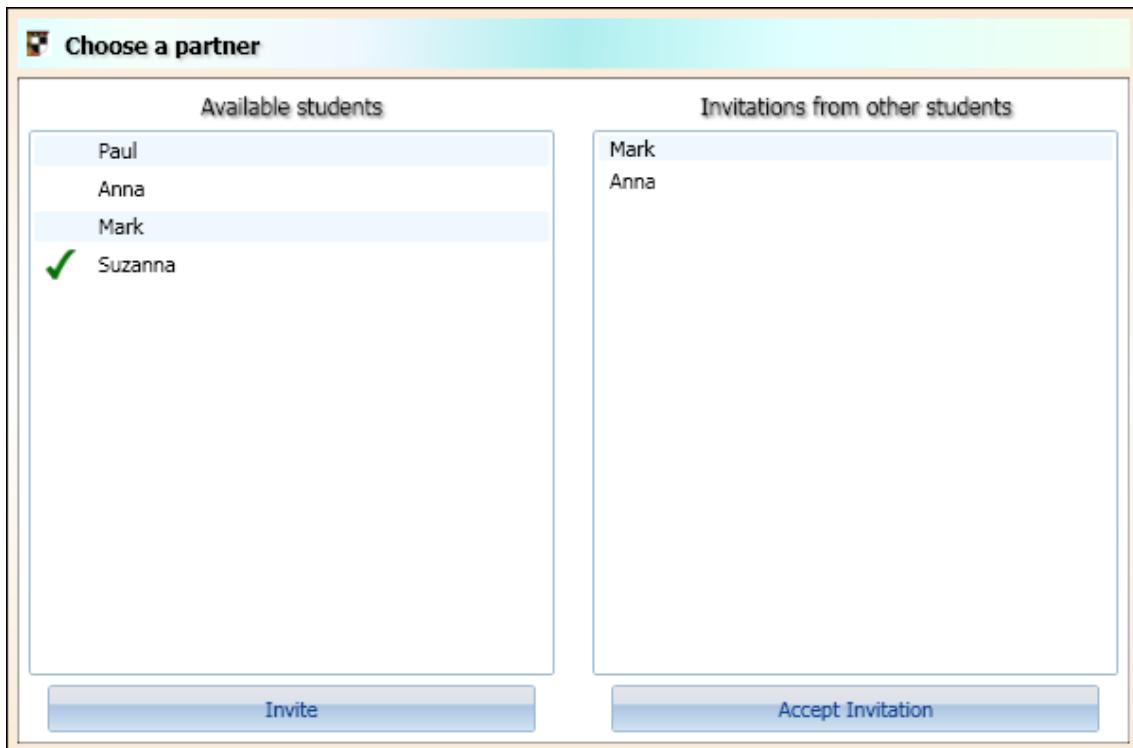


Figure 104: **Choose a partner** window

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 88

4.13.3 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 105: on page 98](#)) to display a copy of the teacher workstation screen.



Figure 105: **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 106: on page 99](#)).

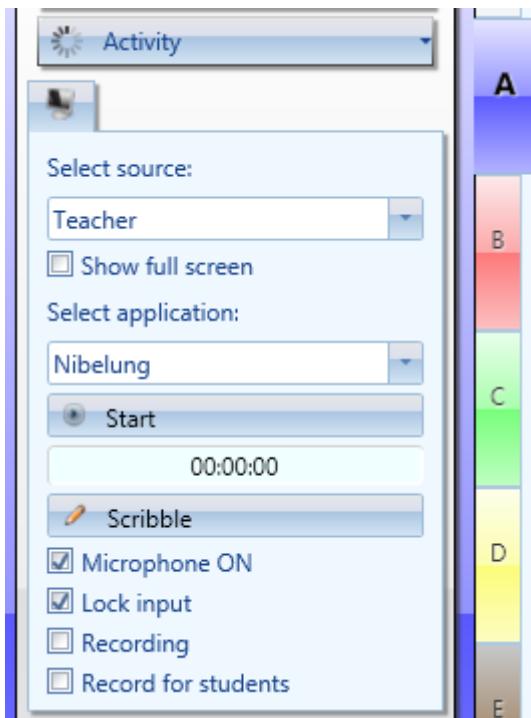


Figure 106: **Live screen** activity control tab showing display of a selected window from the teacher's screen

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 107: on page 99](#)).

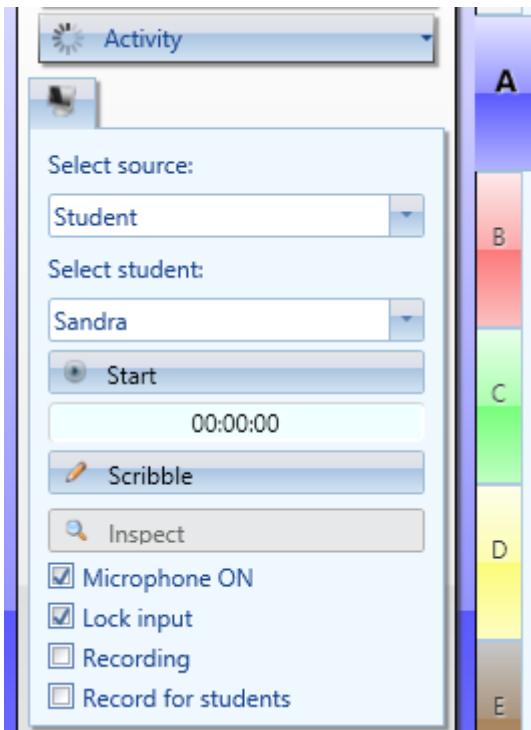


Figure 107: **Live screen** activity control tab showing display of a student's screen

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 108: on page 100](#)).

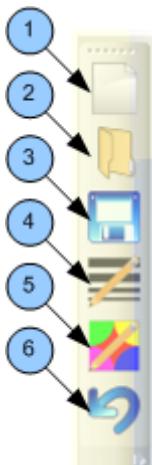


Figure 108: **Scribble** control menu

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 90).

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

Related Links

[Student activities](#) on page 88

4.13.4 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 109: on page 101](#)) 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.

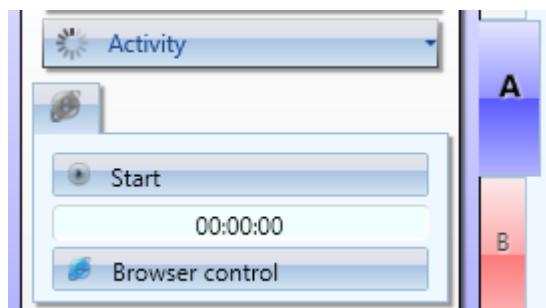


Figure 109: Internet activity control tab

Press **Browser control** button to open a window for controlling student browsers (Figure 110: on page 101).



Figure 110: 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 88

4.13.5 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 111:](#) on page 103) and select a file to be sent to the students ([Figure 112:](#) on page 103).

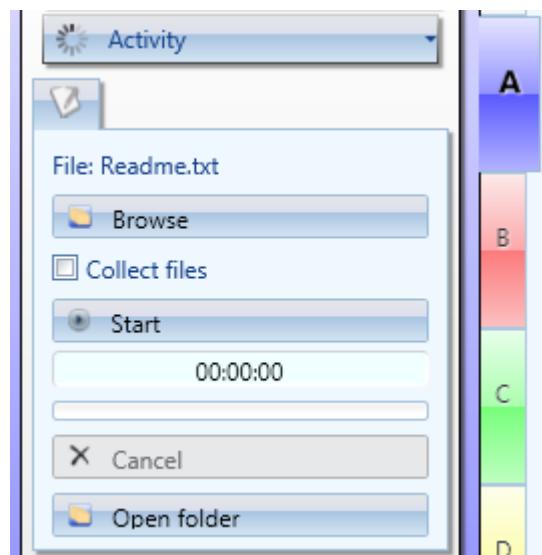


Figure 111: **Files** activity control tab

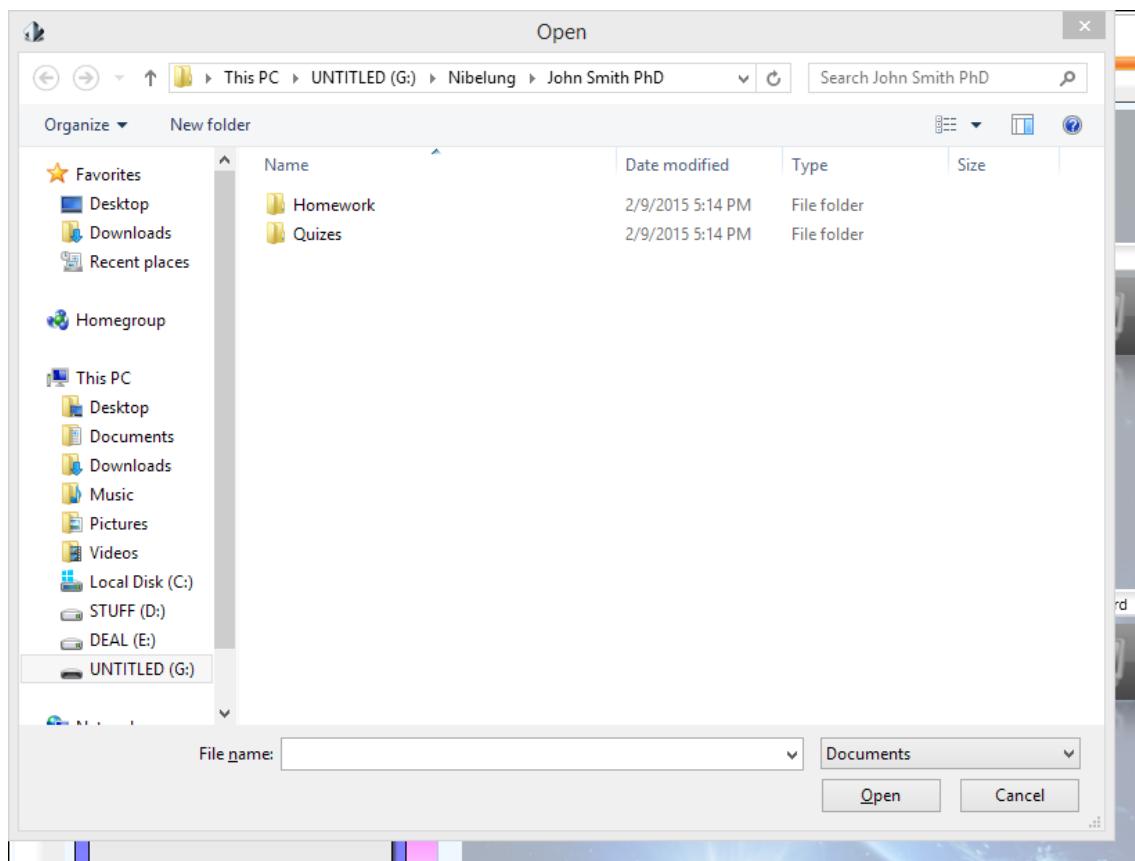


Figure 112: **Open file** window

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 88

4.13.6 Quiz

Quiz is an activity for testing students' knowledge.

Only groups of students can be tested.

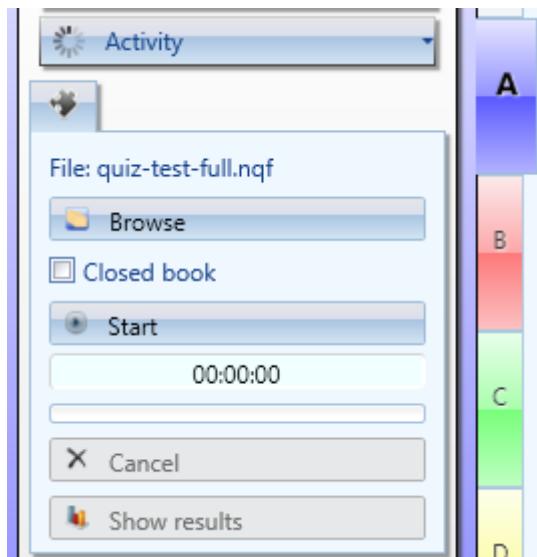


Figure 113: Quiz activity control tab

Use the **Browse** button to select a quiz file prepared in the **Quiz Builder** (see [Quiz Builder](#) on page 140).

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 156).

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 163).

Related Links

[Student activities](#) on page 88

4.14 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.

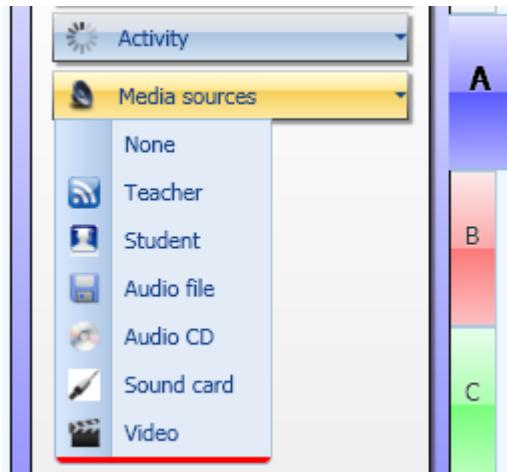


Figure 114: **Media sources** menu

You can select one of the following sources from the menu ([Figure 114:](#) on page 105):

- **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 115:](#) on page 106) 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 41
[Teacher](#) on page 106
[Student](#) on page 106
[File](#) on page 108
[Audio CD](#) on page 108
[Sound card](#) on page 110
[Video](#) on page 111

4.14.1 Teacher

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

The **Teacher** media source control tab ([Figure 115:](#) on page 106) has only the **Start** with two additional options: **Record for students** and **Digitize**. They are described in [Media sources](#) on page 105.

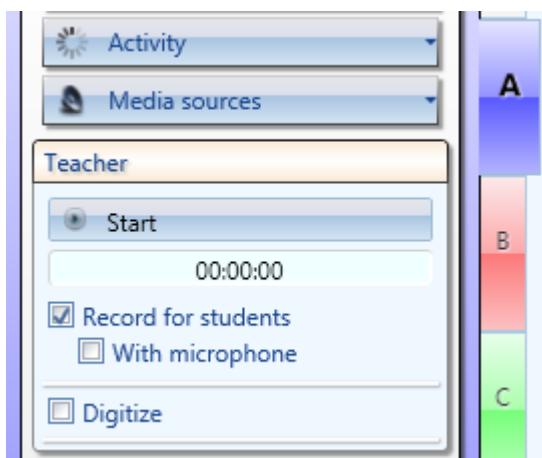


Figure 115: **Media sources > Teacher** control tab

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 105

4.14.2 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 116: on page 107) 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 105).

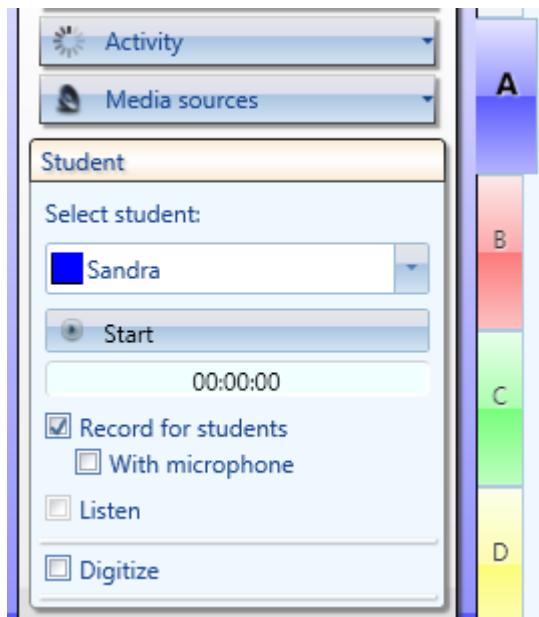


Figure 116: **Media sources > Student** control tab

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 117: on page 107) group **B** can listen to simultaneous interpretation of the speaker into Spanish, while group **C** can listen to the same in French.

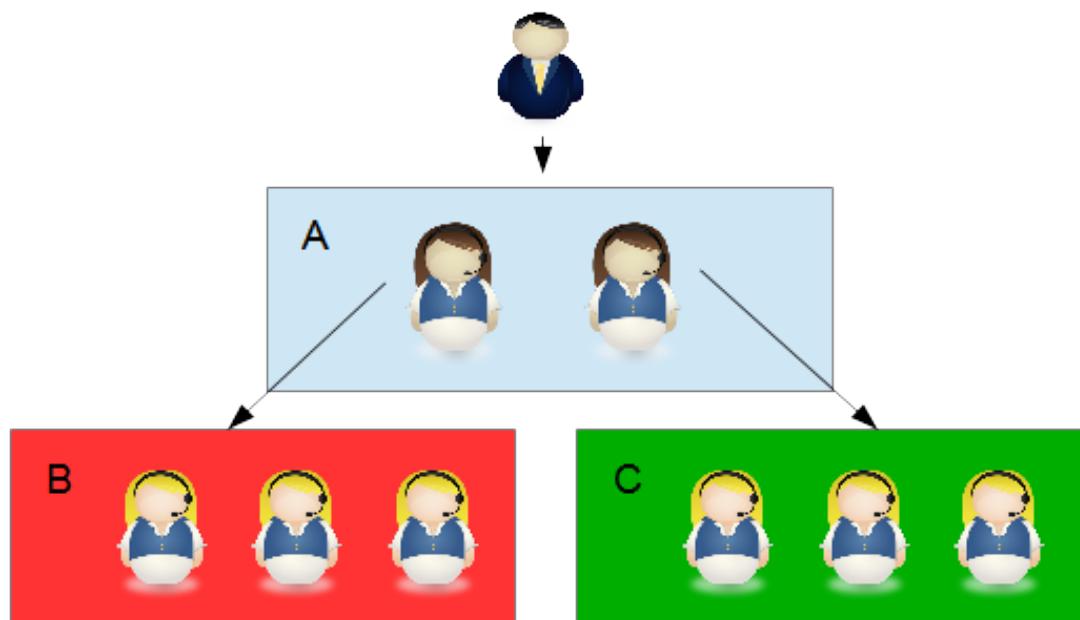


Figure 117: Simultaneous interpreting with **Dialog Nibelung**

Related Links

[Media sources on page 105](#)

4.14.3 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 118:* on page 108) has a **Browse** button; a mini player consisting of **Start/Stop**, **Pause** and **Repeat** buttons, 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 105).

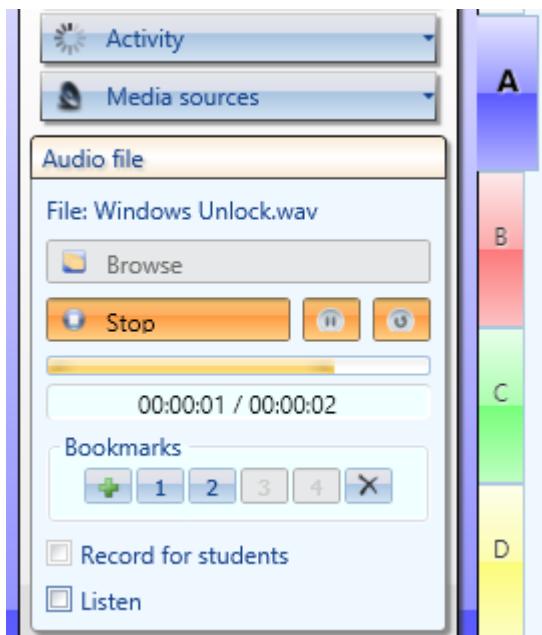


Figure 118: **Media sources** > **File** control tab

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 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. 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 105](#)

4.14.4 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 119: on page 109) 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 105).

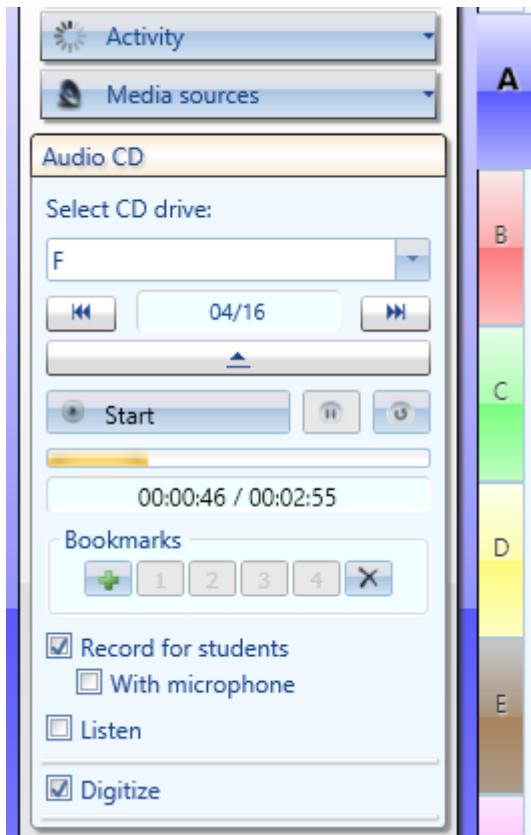


Figure 119: **Media sources > Audio CD** control tab

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. 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 105

4.14.5 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 120: on page 110](#)) 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 105).

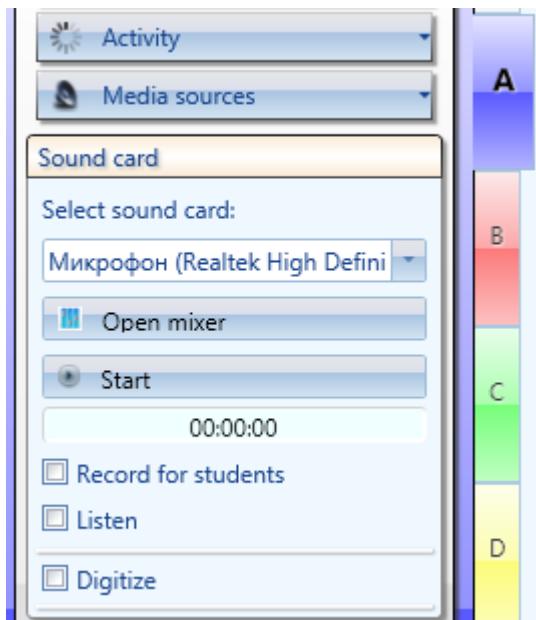


Figure 120: **Media sources > Sound card** control tab

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 121: on page 111](#)) where you can select desired card input.

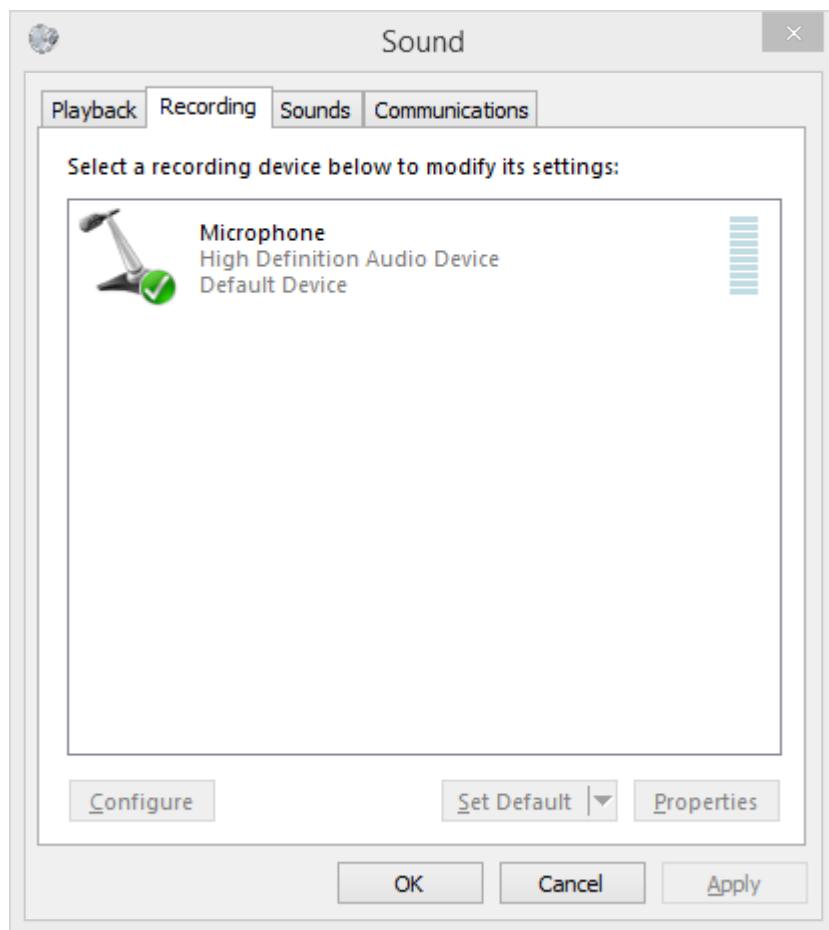


Figure 121: **Sound** settings window in Windows Vista

Related Links

[Media sources](#) on page 105

4.14.6 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 122: on page 112](#)) 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.

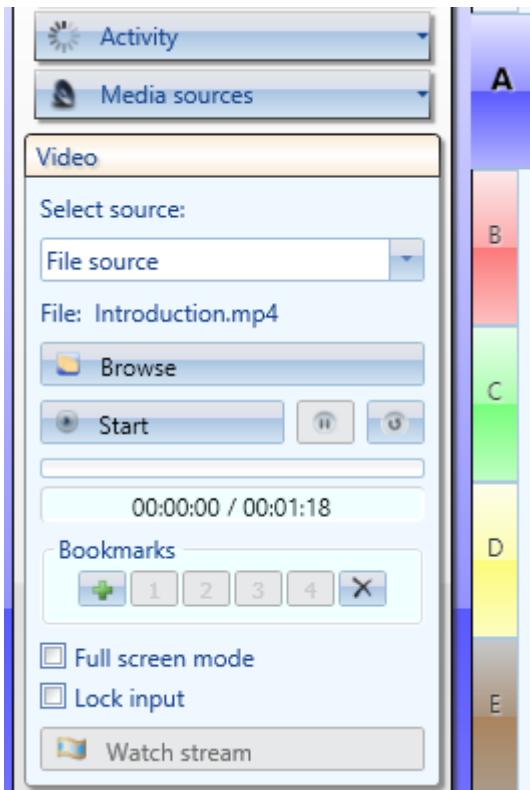


Figure 122: **Media sources > Video** control tab with **File** selected as the source

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 **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 30).

The playback progress bar and playback clock displaying current position and video duration are immediately below the **Start/Stop** button.



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 30).

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. 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 123](#): on page 113) 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**.

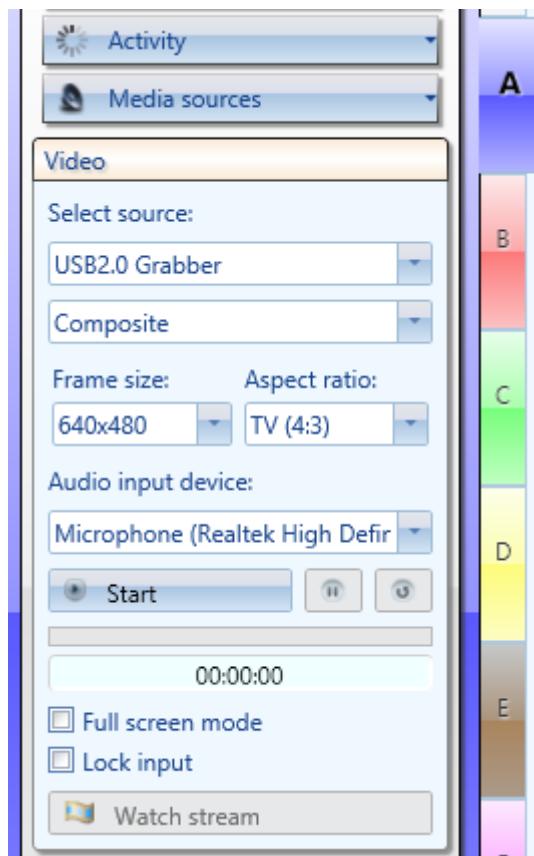


Figure 123: **Media sources** > **Video** control tab with video capture card selected as the source



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.

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 124:* on page 114) 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.

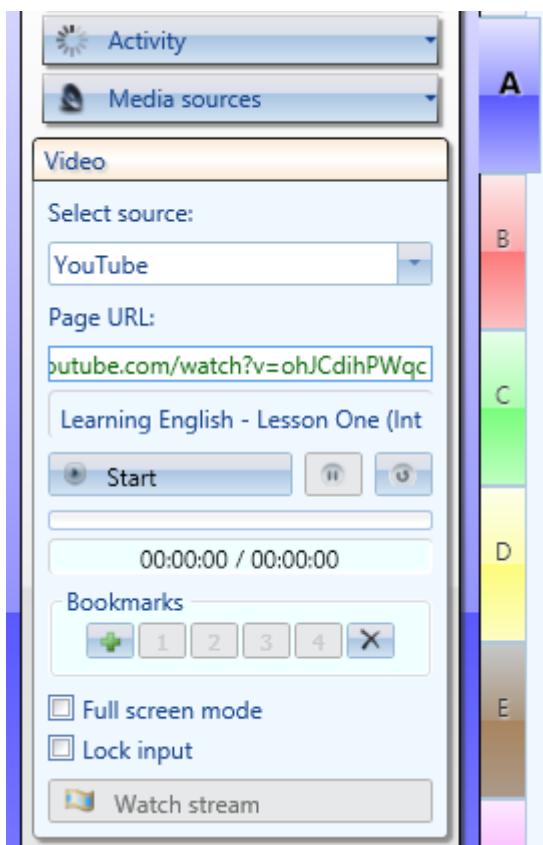


Figure 124: **Media sources > Video** control tab with **YouTube** video selected as source

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 105

4.15 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 36:* on page 41).

The toolbar panel can be customize individually for every teacher.

Select **View > Customize toolbar** from the main menu to set up the toolbar. A **Customize toolbar** window ([Figure 125: on page 115](#)) will appear on your screen.

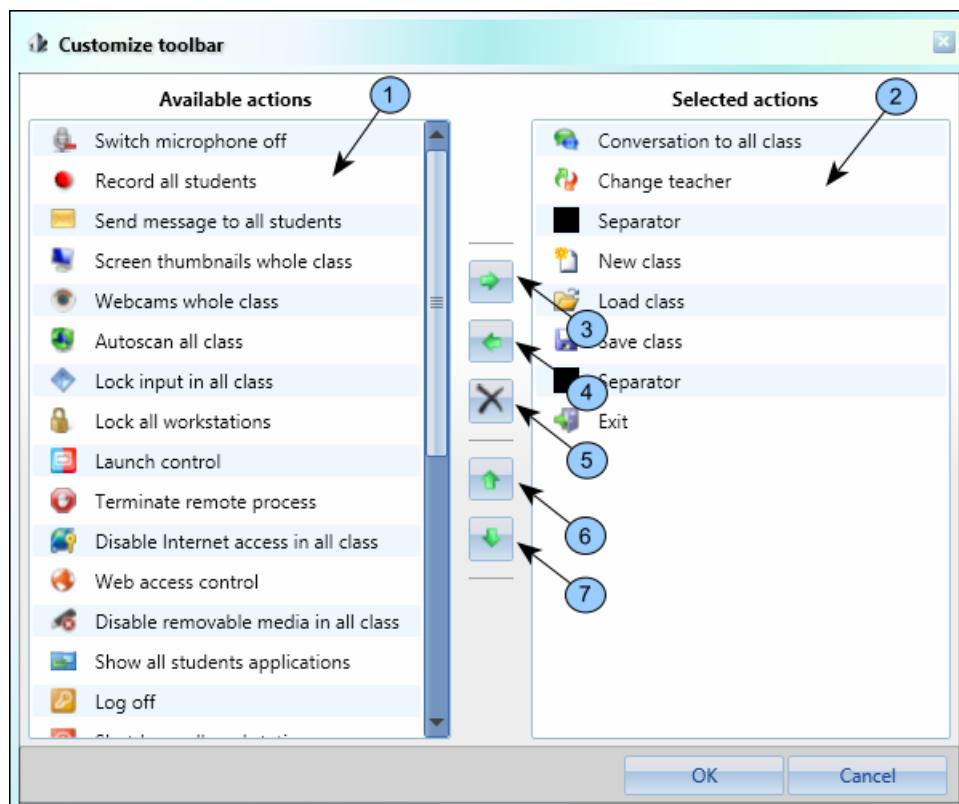


Figure 125: **Customize toolbar** window

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 63)
- Mute microphone (see section [Mute microphone](#) on page 80)
- Recording of the whole class (see section [Recording](#) on page 64)
- Message to the class (see section [Messaging](#) on page 68)
- Thumbnails of the whole class (see section [Screen thumbnails](#) on page 77)
- Autoscan the class (see section [Autoscan](#) on page 78)
- Lock input on all student workstations (see section [Lock input](#) on page 79)
- Lock all student workstations (see section [Lock computer](#) on page 80)
- Launch applications (see section [Launch applications](#) on page 65)
- Terminate remote process (see section [Terminating remote processes](#) on page 85)
- Disable internet access for the whole class (see section [Internet access control](#) on page 80)
- Disable removable media for the whole class (see section [Disable removable storage](#) on page 80)
- Raise student module windows (see section [Raising the student module window](#) on page 83)

- Logout (see section [Power control](#) on page 83)
- Power off student workstations (see section [Power control](#) on page 83)
- Reboot all student workstations (see section [Power control](#) on page 83)
- Put all student workstation into standby mode (see section [Power control](#) on page 83)
- Power on all student workstations (see section [Power control](#) on page 83)
- Switch teacher (see section [Teacher accounts](#) on page 52)
- Open teacher folder (see section [Teacher settings](#) on page 54)
- New class (see section [Class layout](#) on page 55)
- Open class file (see section [Class layout](#) on page 55)
- Save class file (see section [Class layout](#) on page 55)
- Save class file as (see section [Class layout](#) on page 55)
- Registration roll call (see section [Roll call registration](#) on page 57)
- Start a lesson (see section [Lesson](#) on page 116)
- Homework assignments (see section [Homework assignments](#) on page 70)
- **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 125:](#) on page 115) 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 125:](#) on page 115. 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 41

4.16 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 41

[Lesson](#) on page 116

[Lesson list](#) on page 118

[Attendance statistics](#) on page 121

[Performance statistics](#) on page 123

[Class statistics](#) on page 126

4.16.1 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 126:](#) on page 117).

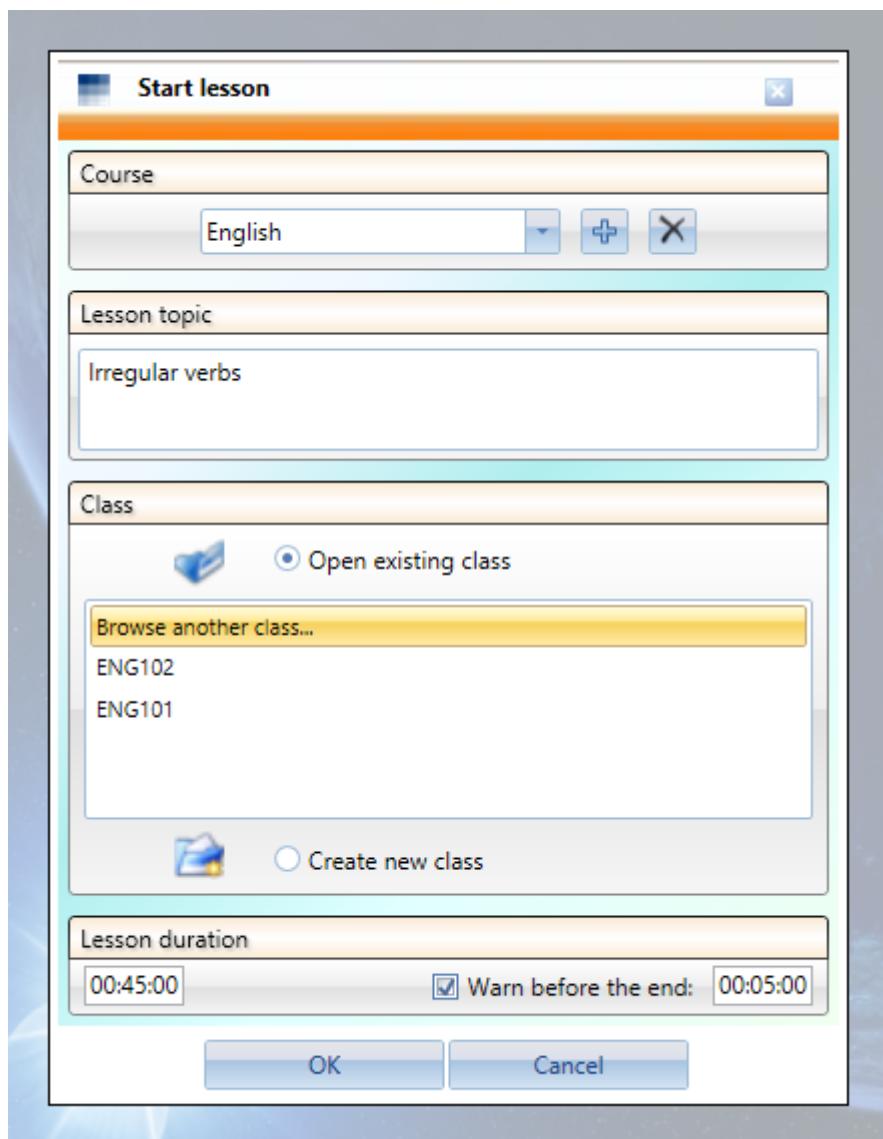


Figure 126: **Start a lesson** window

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 54).

Press **OK** to start the lesson.

Once a lesson is in progress, lesson clock in the status bar ([Figure 38:](#) on page 42) 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 57) 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 60).



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 54) 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 118) 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 127: on page 118](#)). You can also enter some remarks for the lesson. These will be kept together with the lesson record.

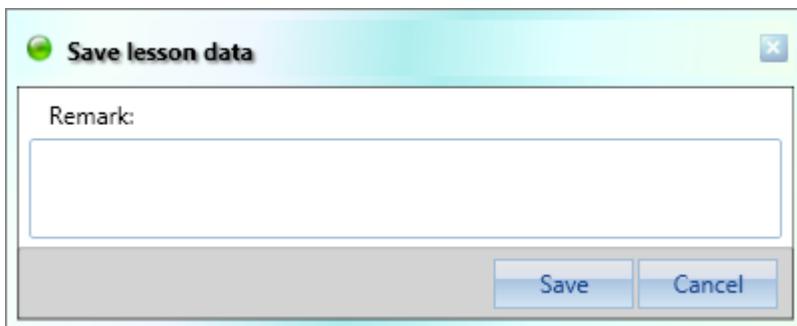


Figure 127: Save lesson data window

A lesson in progress can be at any time terminated manually by selecting **Start lesson** menu item again. A confirmation window ([Figure 128: on page 118](#)) will appear on your screen.

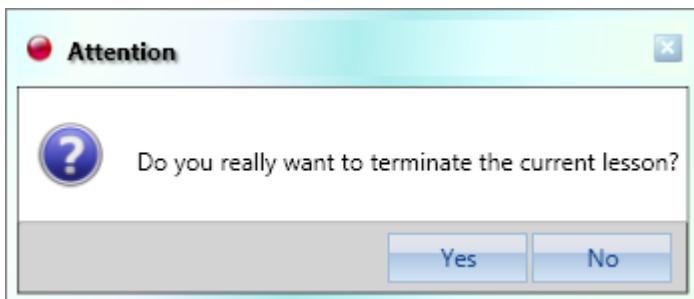


Figure 128: Terminate lesson confirmation window

Related Links

[Log book](#) on page 116

4.16.2 Lesson list

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

A **Lesson list** window ([Figure 129:](#) on page 119) 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.

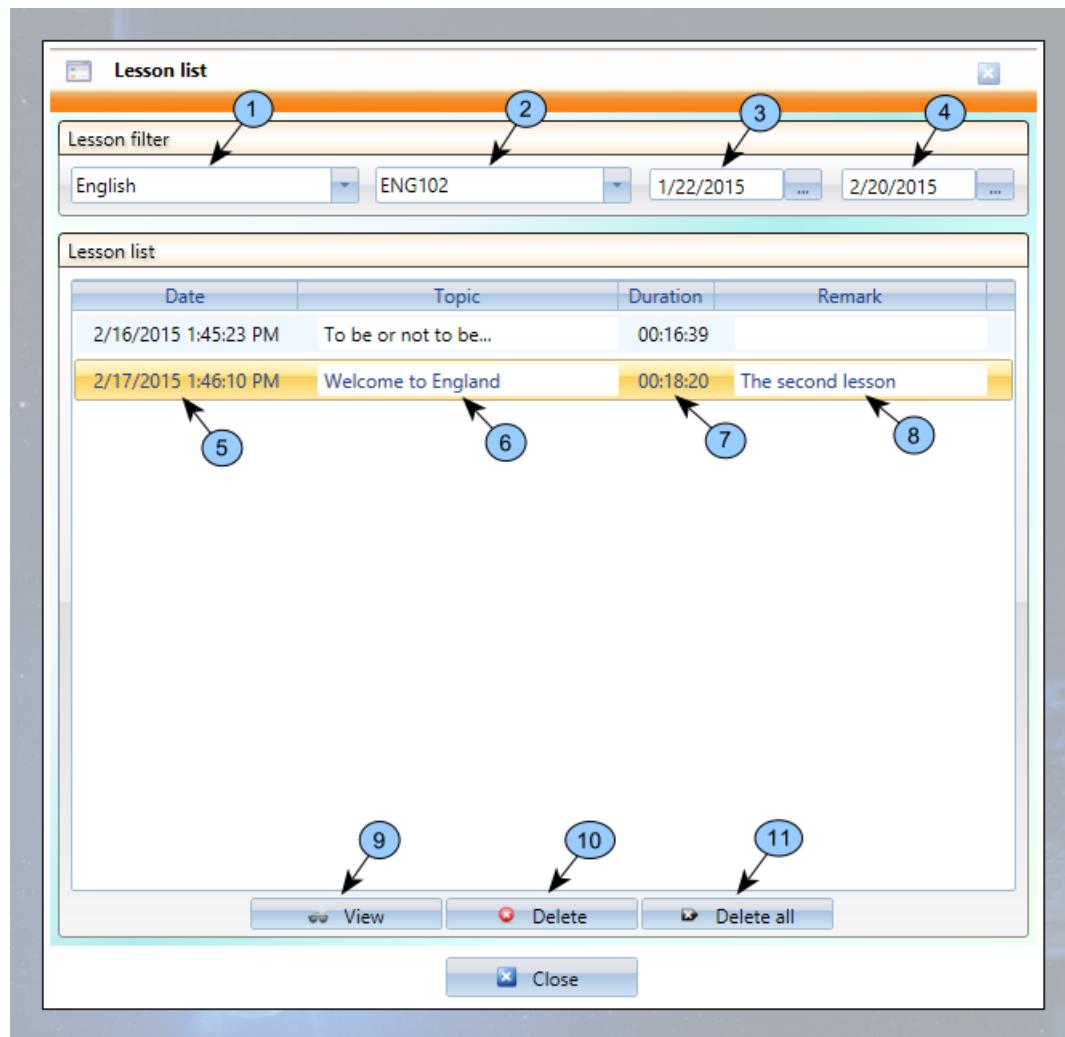


Figure 129: **Lesson list** window

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 130: on page 120](#)).

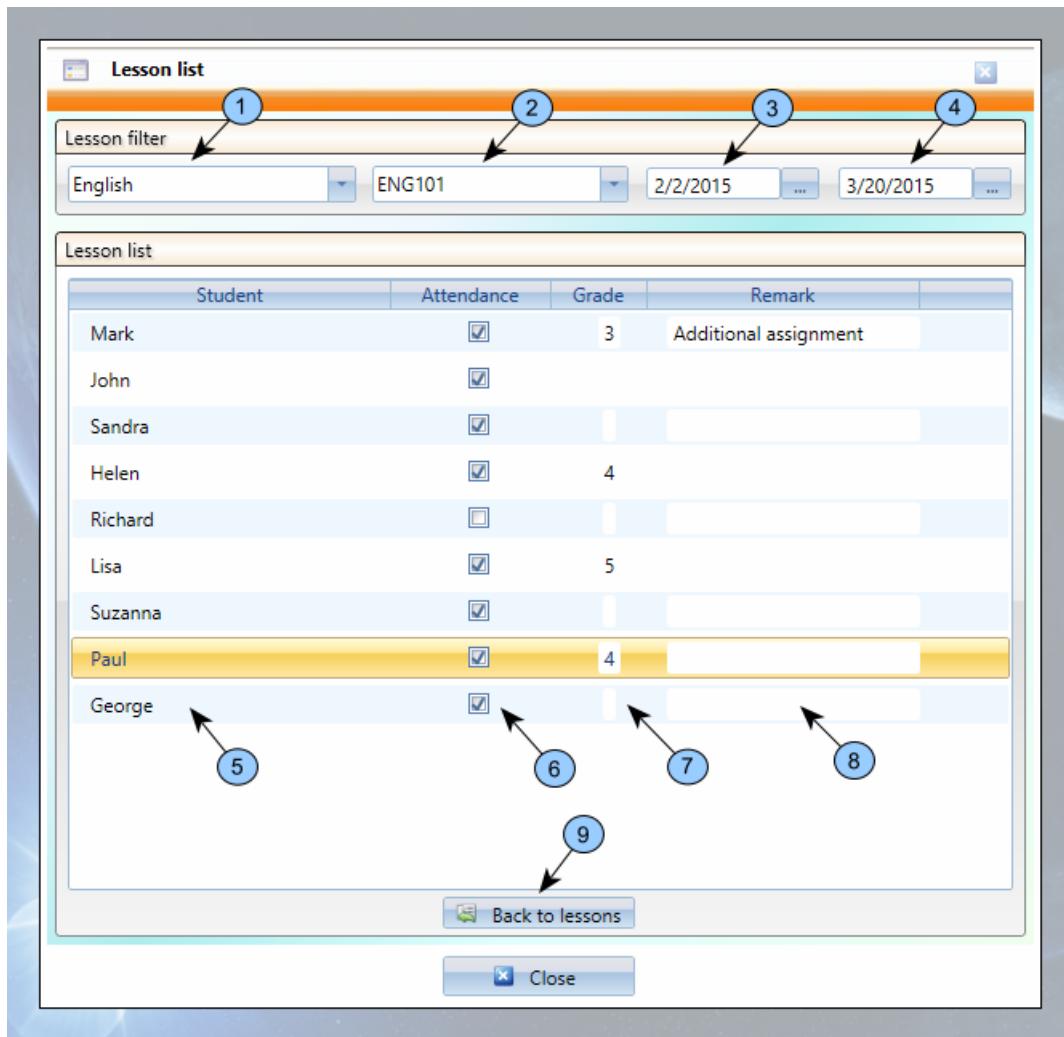


Figure 130: Lesson details

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 130: on page 120](#)) 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 116

4.16.3 Attendance statistics

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

A window will appear on your screen with a list of lessons. Lessons can be filtered by course, class, and date intervals.

You can select **Statistics type: Summary** (*Figure 131:* on page 121) or **Detailed** (*Figure 132:* on page 122).

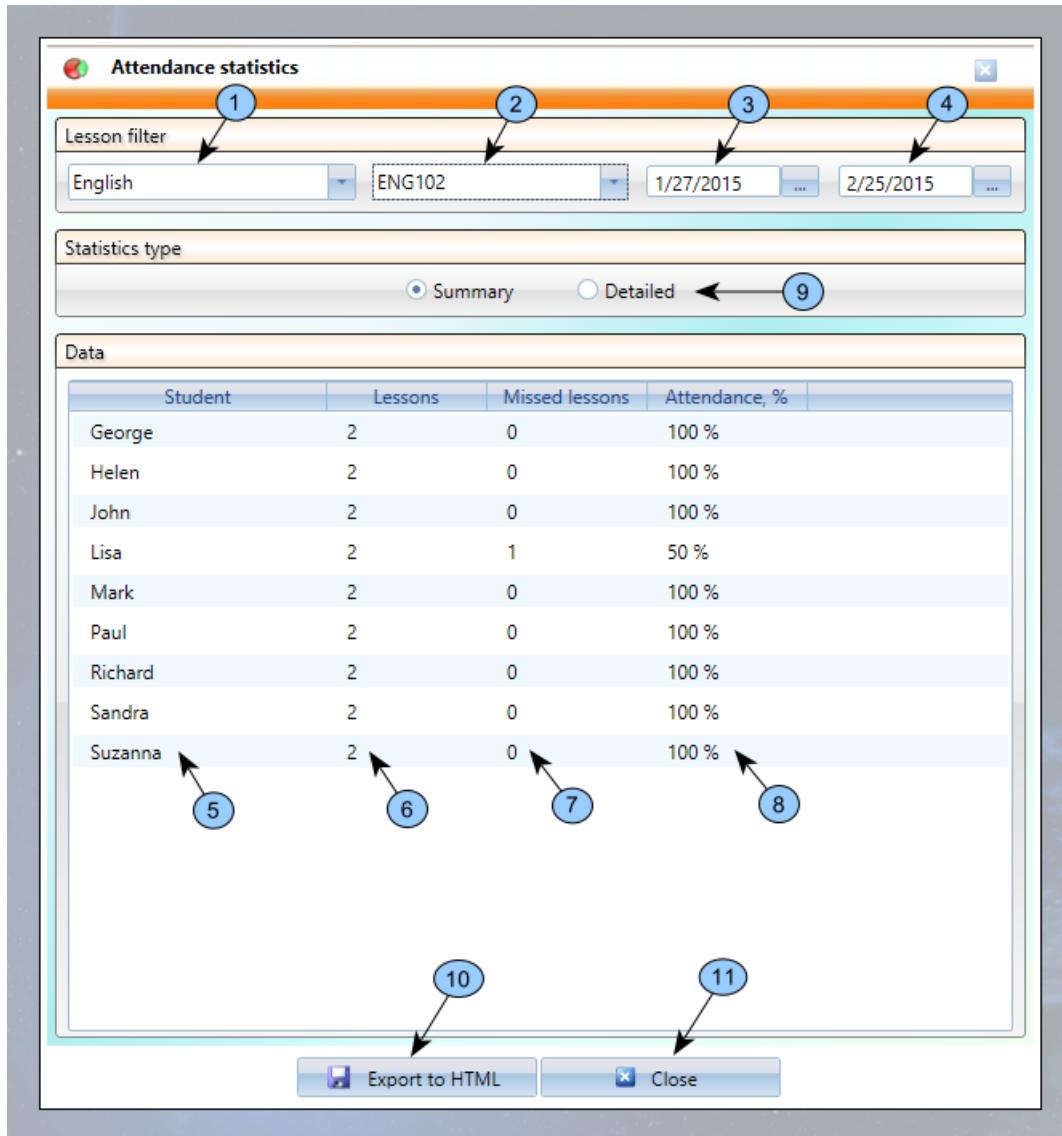


Figure 131: Summary of attendance statistics

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 percentage
- 9 Statistics type radio buttons (Summary selected)
- 10 Export to HTML button
- 11 Close button

-
- 8 **Attendance, %**
 9 **Statistics type** selector panel
 10 **Export to HTML** button
 11 **Close** window button
-

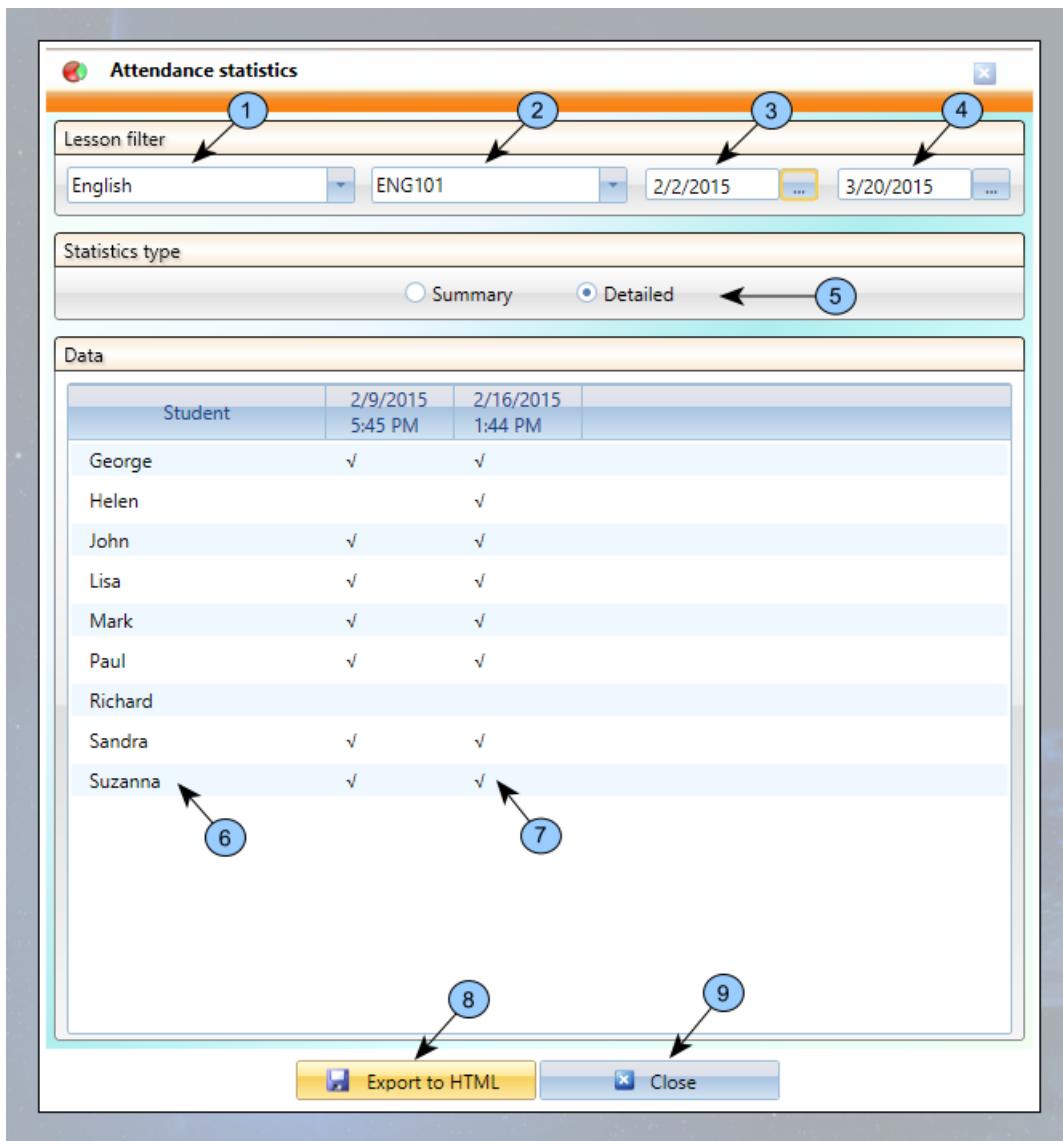


Figure 132: Detailed attendance statistics

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 133: on page 123](#)).

The screenshot shows a Windows application window titled "Attendance report". The window has a toolbar at the top with standard icons for back, forward, search, and refresh. The title bar displays the path "G:\Nibelung\John Smith Pt" and the window title "Attendance report (Nibelun...)" along with a close button. Below the toolbar, the main content area is titled "Attendance report". Inside this area, there is a box containing teacher information: Teacher John Smith PhD, Course English, Class ENG101, Period 2/2/2015 ... 3/20/2015, and Statistics type Detailed. Below this box is a table showing student attendance for two dates: 2/9/2015 5:45 PM and 2/16/2015 1:44 PM. The table lists students George, Helen, John, Lisa, Mark, Paul, Richard, Sandra, and Suzanna, each with a checkmark indicating attendance. At the bottom of the report area, a message states "Report created: 3/19/2015 12:54:49 PM".

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

Figure 133: Attendance report

Related Links

[Log book](#) on page 116

4.16.4 Performance statistics

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

A window will appear on your screen with a list of lessons. Lessons can be filtered by course, class, and date intervals.

You can select **Statistics type** between **Summary** ([Figure 134: on page 124](#)) and **Detailed** ([Figure 135: on page 125](#)).



Figure 134: 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 135: 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 136:](#) on page 126).

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 136: Performance report

Related Links

[Log book](#) on page 116

4.16.5 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 137:](#) on page 127). 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.

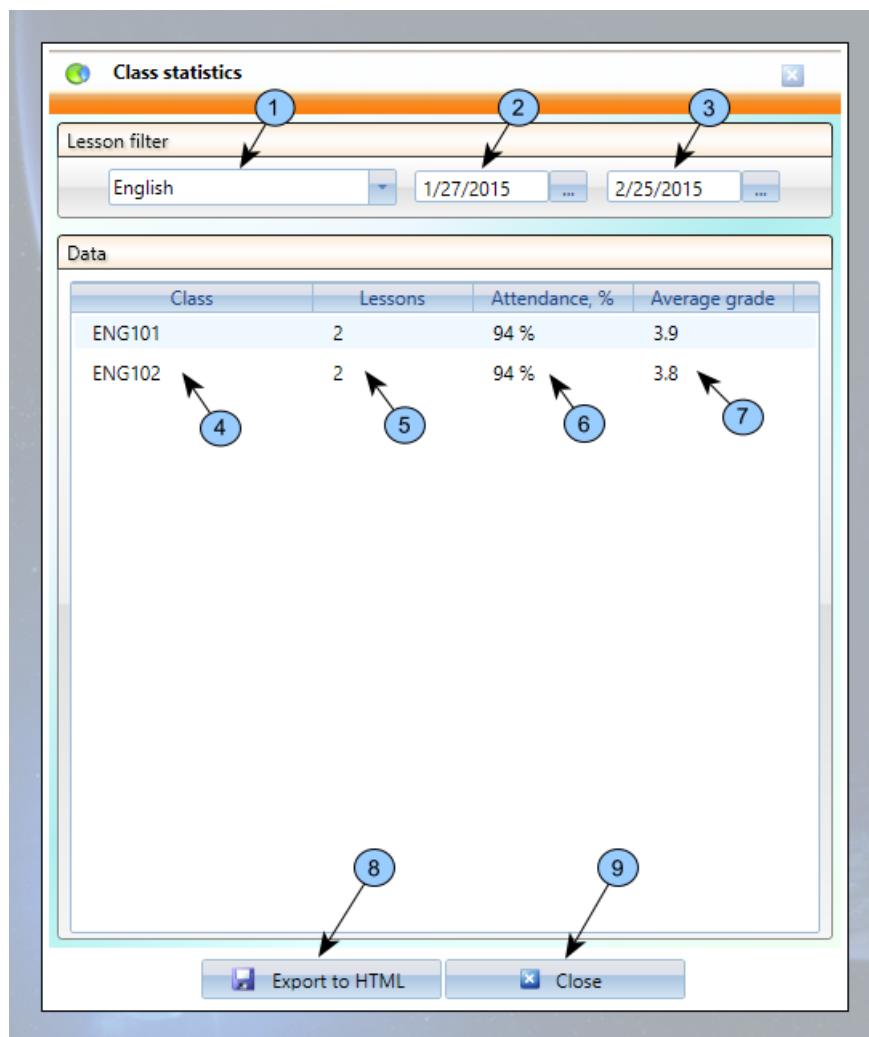


Figure 137: **Class statistics** window

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 138:* on page 128).

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 138: Class statistics report

Related Links

[Log book](#) on page 116

4.17 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 139: on page 129](#)).

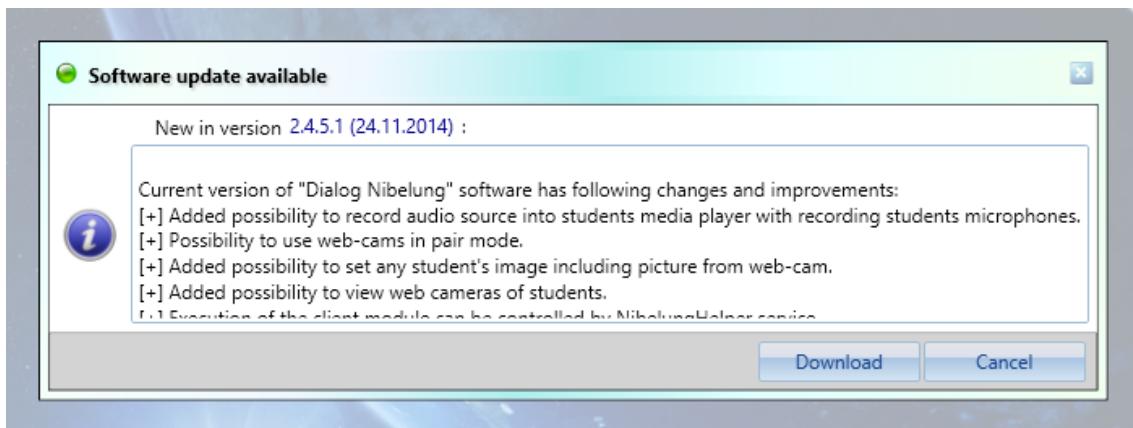


Figure 139: **Software update available** window

Press **Download** button to download new version of the software. A window will appear with a download progress bar ([Figure 140: on page 129](#)).

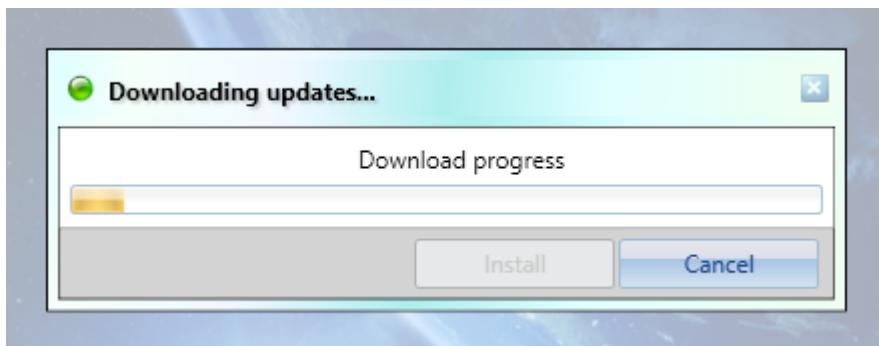


Figure 140: Software update download in progress

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 141: on page 129](#)).

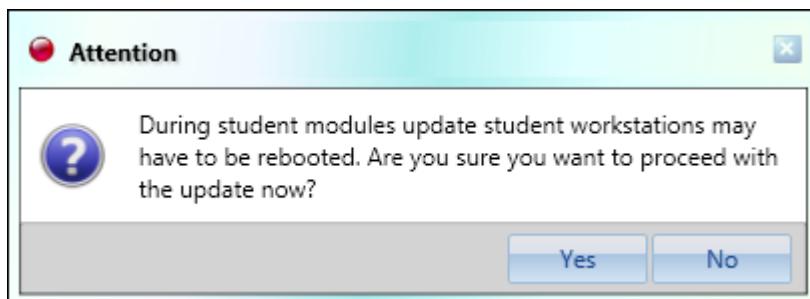


Figure 141: Student modules update confirmation



Attention: Please note that all student modules must be active and in communication with the teacher module to perform their update ([Figure 37: on page 42](#)).

Related Links

[Teacher module](#) on page 41

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 142: on page 130](#)) 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 145: on page 132](#));
- 2 **Playback mute** button;
- 3 **Volume** control slider;
- 4 **Microphone mute** button;
- 5 **Disable loopback** button;
- 6 **Disable microphone level indicator** button;
- 7 **Call teacher** button;
- 8 **Message teacher** button.

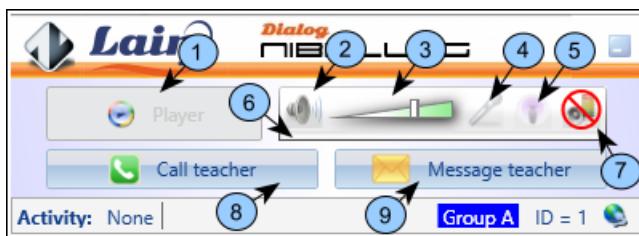


Figure 142: Student module controls



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 sent teacher a message by pressing the **Message teacher** button and entering the message in a window that will appear on their screens ([Figure 143: on page 130](#)).

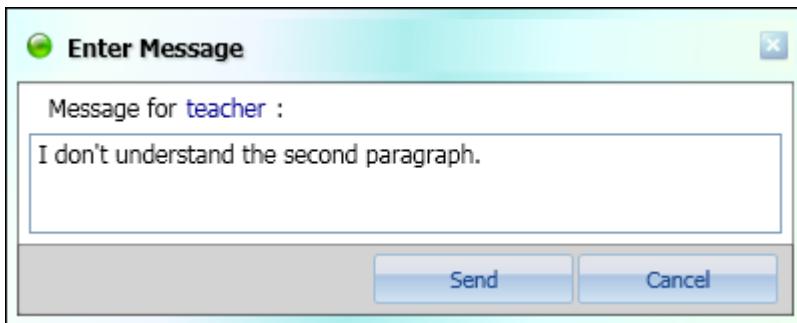


Figure 143: Sending a message to the teacher

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 70: on page 69](#)).

The status bar at the bottom of student module window ([Figure 144: on page 131](#)) displays:

-
- 1 current activity;
 - 2 group affiliation;
 - 3 student seat ID;
 - 4 online/offline status icon (whether in communication with the teacher module or not).
-



Figure 144: Student module status bar

Related Links

[Media player](#) on page 131

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 145:](#) on page 132):

-
- 1 player control buttons ([Figure 151:](#) on page 136);
 - 2 master track and student track panels ([Figure 146:](#) on page 133);

3 playlist panel ([Figure 147: on page 134](#)).

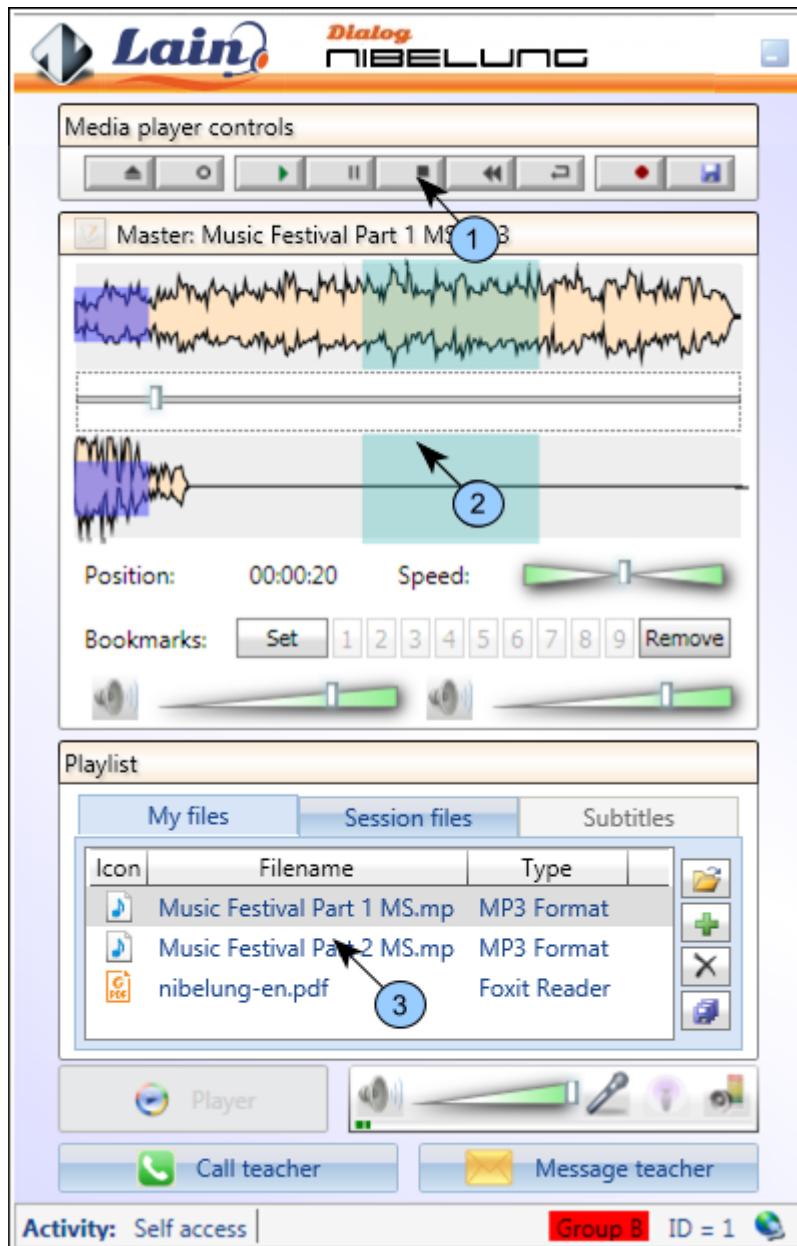


Figure 145: Student module window with media player active

Related Links

[Student module](#) on page 130

[Playlist](#) on page 133

[Master track and student track](#) on page 133

[Bookmarks](#) on page 135

[Media player controls](#) on page 136

[Video playback](#) on page 137

[Subtitles](#) on page 138

5.1.1 Playlist

The playlist panel contains three tabs: **My files**, **Session files** and **Subtitles**.

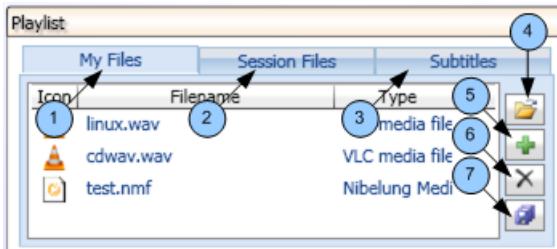


Figure 146: **Playlist** panel

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 136);
- 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 105).



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 131

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 147: on page 134](#)).

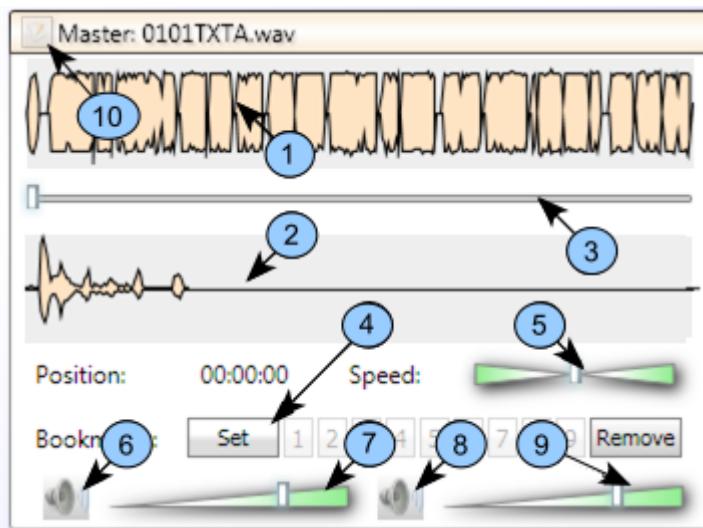


Figure 147: Master and student tracks panel

Elements of the master and student tracks panel:

-
- 1 Master track visualization
 - 2 Student track visualization
 - 3 Current position slider
 - 4 Bookmark control buttons
 - 5 Playback speed
 - 6 Mute master track
 - 7 Master track volume
 - 8 Mute student track
 - 9 Student track volume
 - 10 Edit file description button
-

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 147: on page 134](#)) to edit description of the current file or assignment ([Figure 148: on page 135](#)). 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.

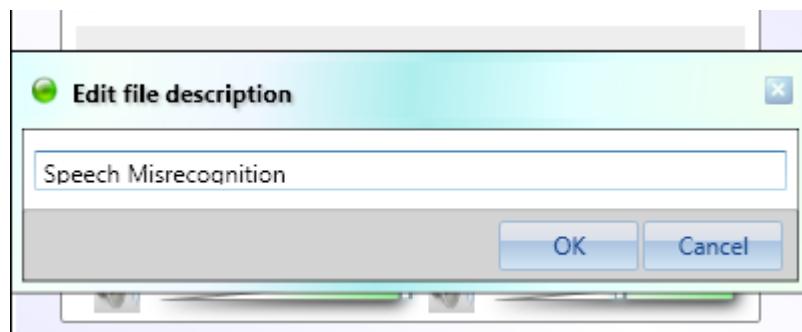


Figure 148: **Edit file description** window

Related Links

[Media player](#) on page 131

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.

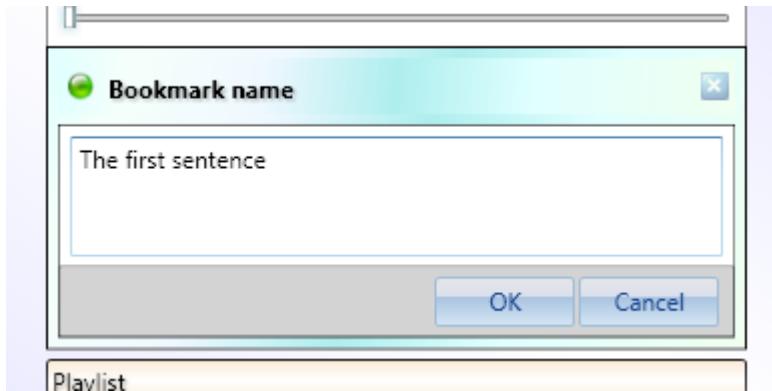


Figure 149: Editing a bookmark name

Hover the mouse pointer over a bookmark number button and the bookmark position and name will be displayed in a floating panel.



Figure 150: Bookmark position and name display

Related Links

[Media player on page 131](#)

5.1.4 Media player controls

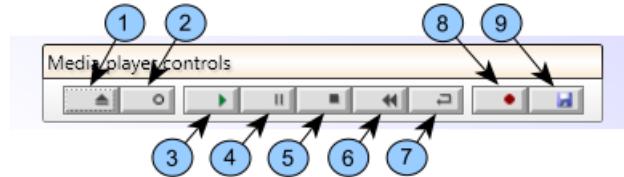


Figure 151: Media player controls

Media player controls ([Figure 151: on page 136](#)) 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 131](#)

5.1.5 Video playback

An additional window displaying the video will open during video playback in the media player ([Figure 152: on page 137](#)).

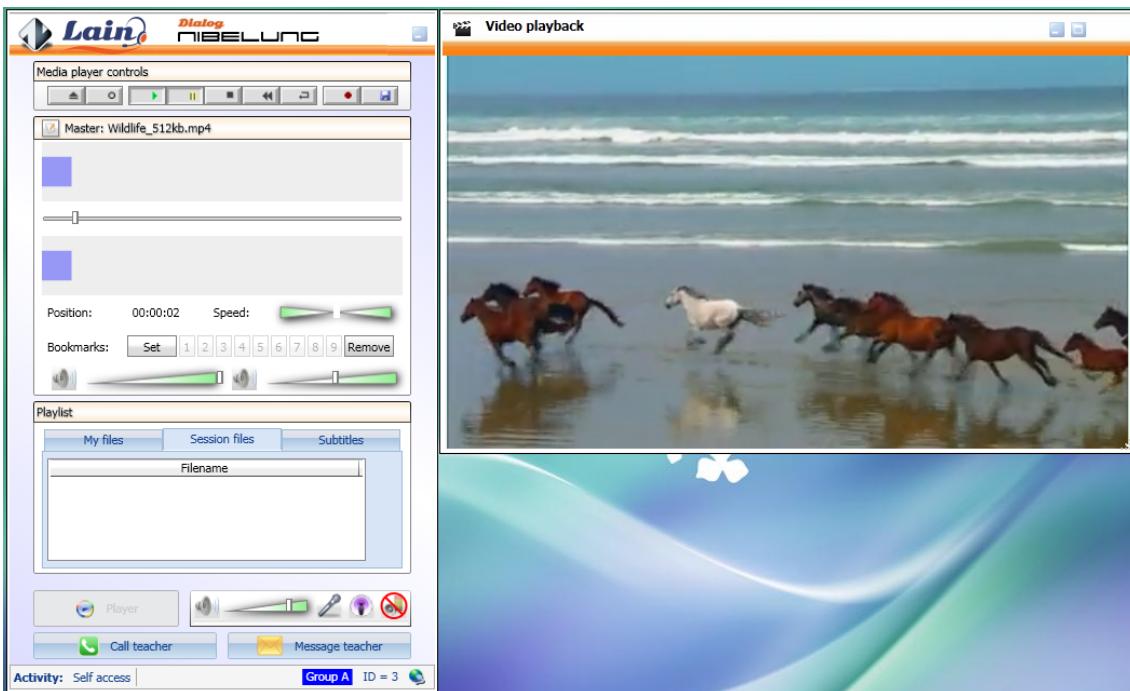


Figure 152: Media player with the **Video playback** window

Right click on the **Video playback** window and select a value from the pop-up menu to resize the video ([Figure 153: on page 137](#)). The window will be automatically resized to fit the video.

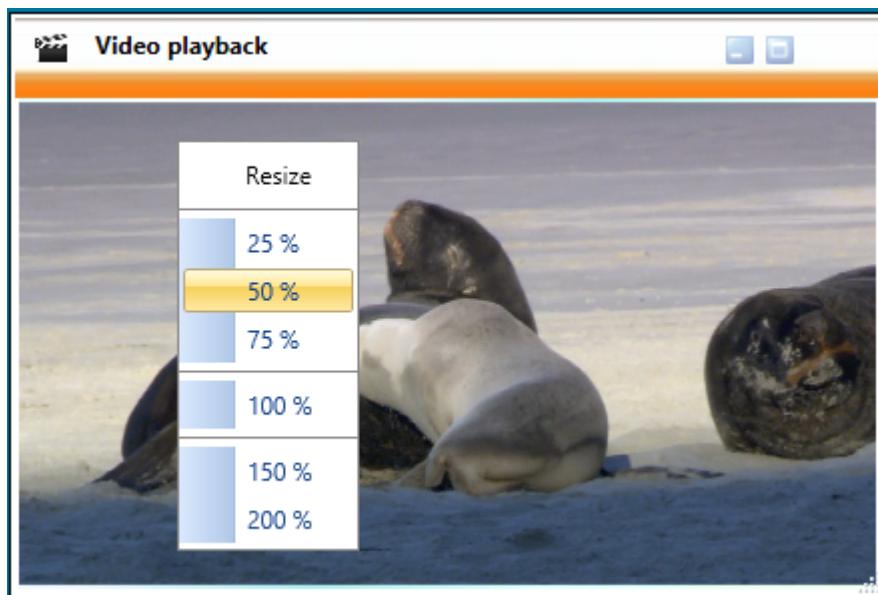


Figure 153: Resizing video playback

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 131

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 154: on page 138).

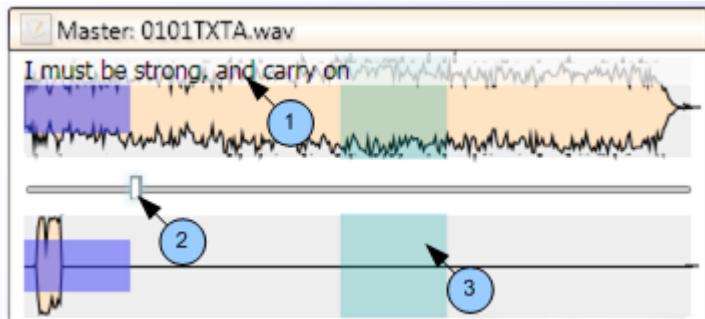


Figure 154: Subtitles display in the master track panel

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 155: on page 138) 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 155: 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 154: on page 138) 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 131

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 140
- [Quiz Player](#) on page 156
- [Viewing test results](#) on page 163

6.1 Quiz Builder

Quiz Builder ([Figure 156:](#) on page 140) 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.

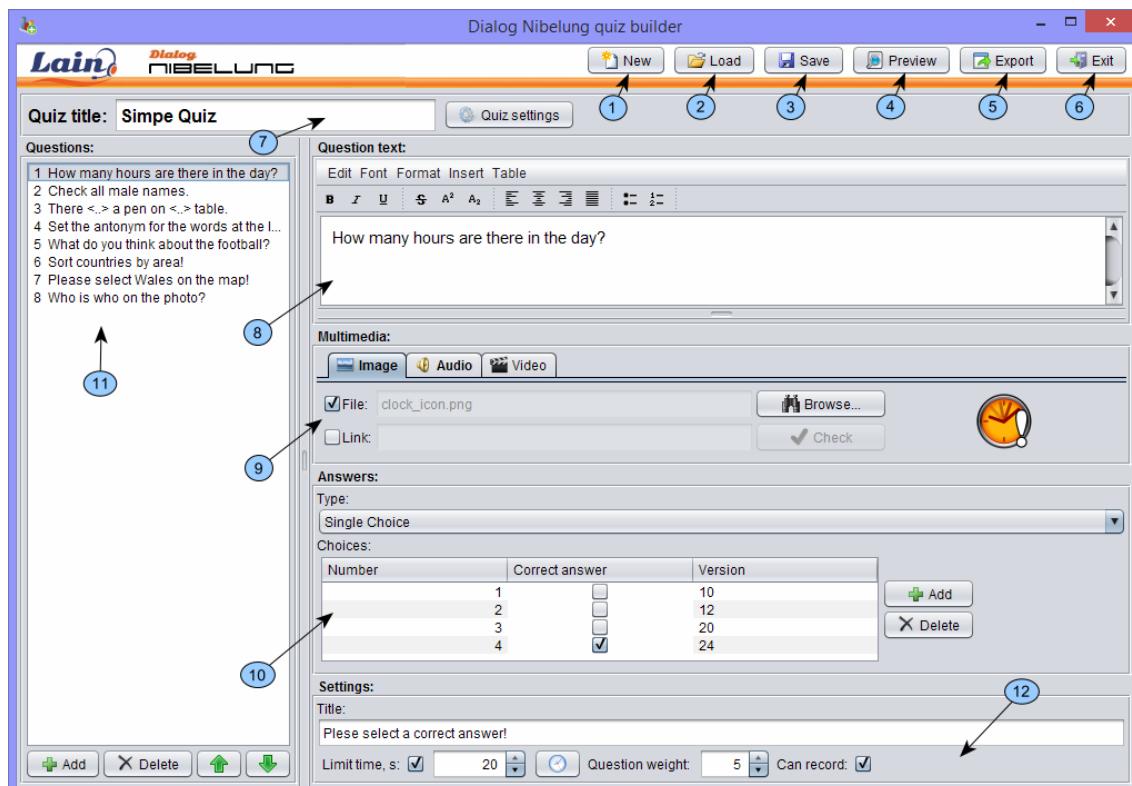


Figure 156: **Quiz Builder** window

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 157:](#) on page 141). Quiz title will be displayed at the top of the quiz when viewed on student workstations.



Figure 157: 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 158:](#) on page 142) 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 188:](#) on page 161);

- provide instant feedback to students for correctness of their answers so they can make another attempt.

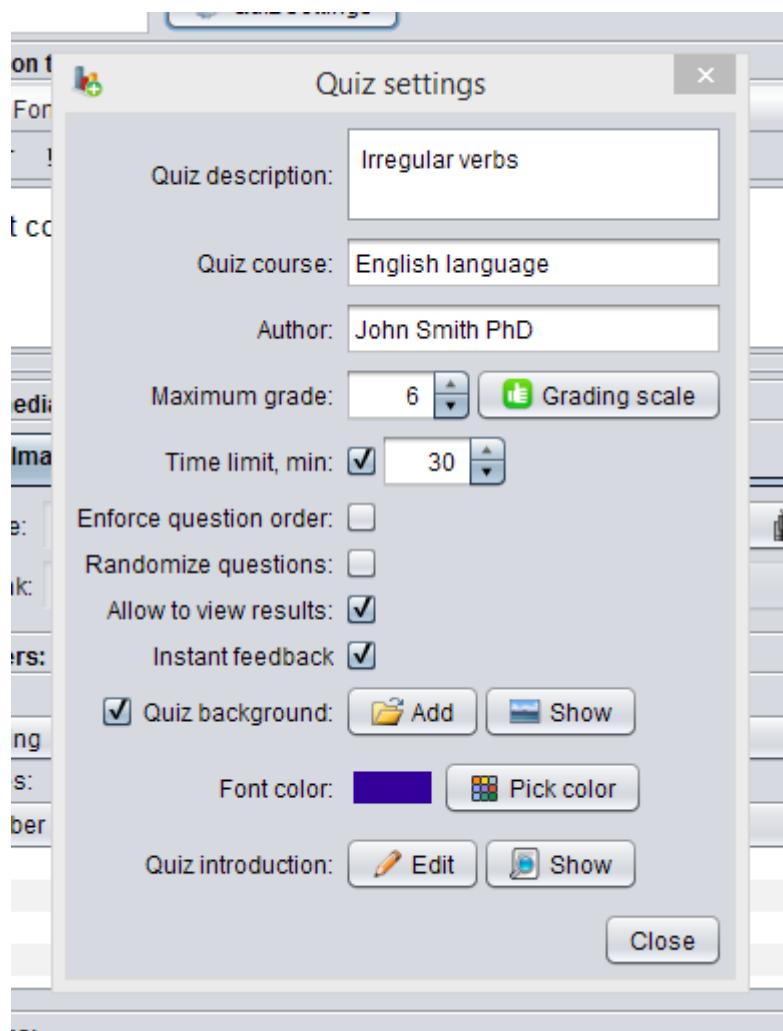


Figure 158: **Quiz settings** window



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 159: on page 143) 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).

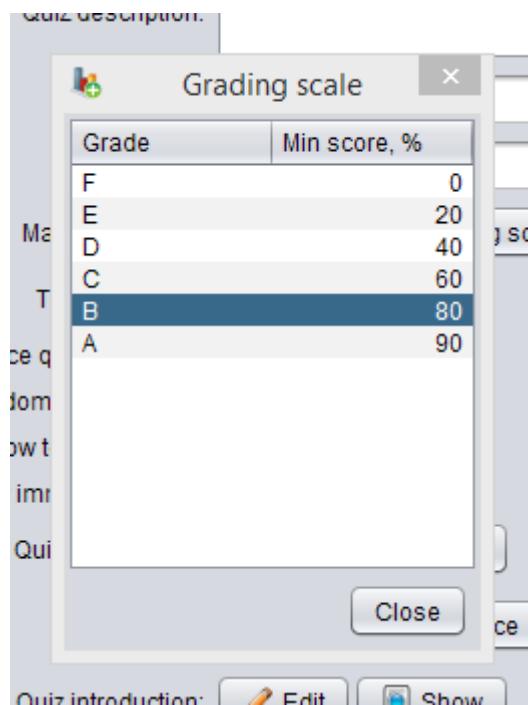


Figure 159: **Grading scale** window

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 160: on page 143).

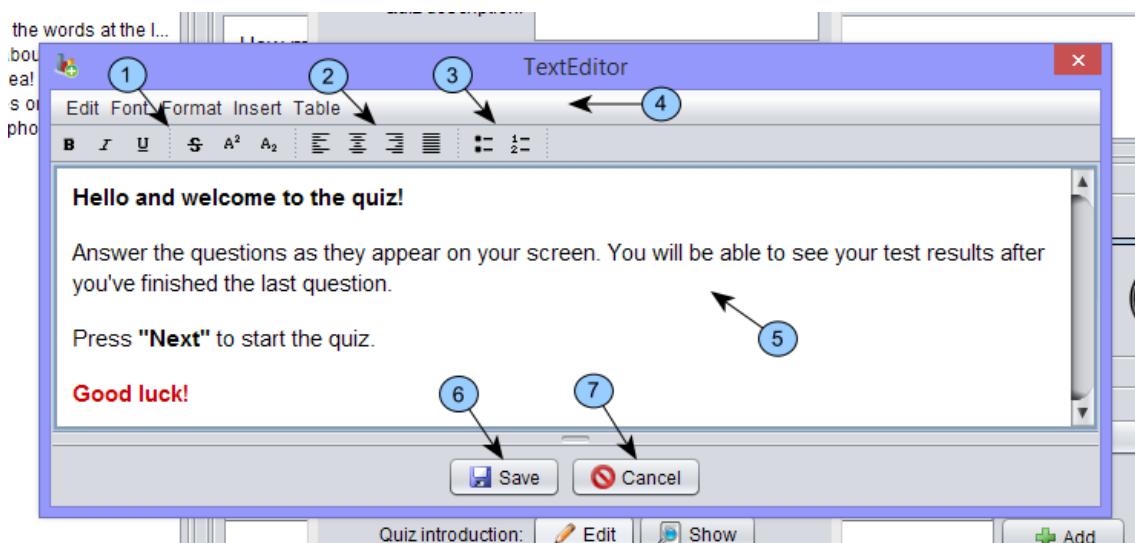


Figure 160: Quiz introduction editor window

-
- 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 158: on page 142](#)) 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 161: on page 144](#)).



Figure 161: **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 160: on page 143](#)). 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 162: on page 145](#)), **Audio** ([Figure 163: on page 145](#)), and **Video** ([Figure 164: on page 145](#)).



Figure 162: Inserting image

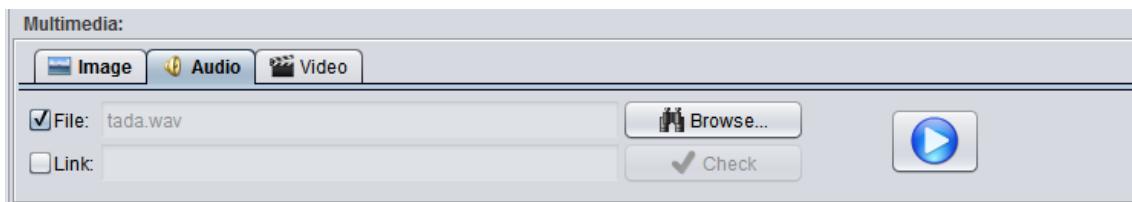


Figure 163: Inserting audio

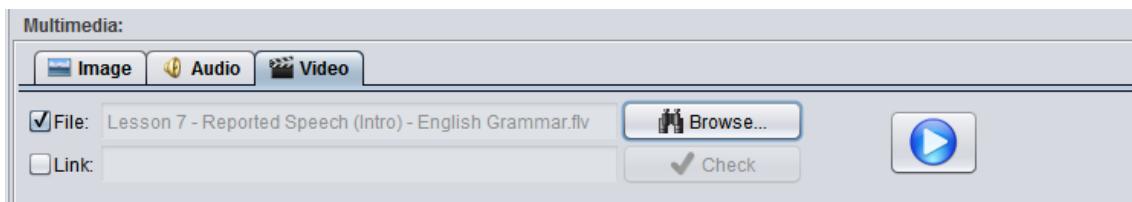


Figure 164: Inserting video

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 (see [Internet access control](#) on page 80).

A thumbnail image of the inserted graphics will be displayed on the right hand side of the **Multimedia** panel ([Figure 162: on page 145](#)). For audio and video, a playback button will appear in the same place ([Figure 163: on page 145](#) and [Figure 164: on page 145](#)).

You can specify the following parameters for each question individually in the question settings panel ([Figure 165: on page 146](#)):

- question title;
- optional time limit in seconds (can not exceed total limit for the quiz (see [Figure 158: on page 142](#));
- question weight in the overall quiz score;

- option for an oral answer (recorded from the student microphone).

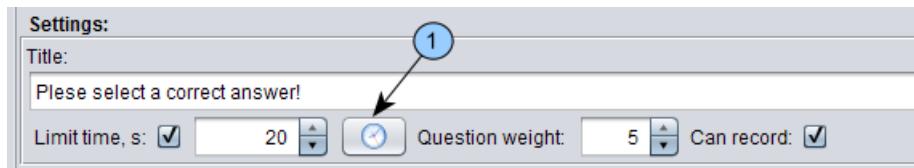


Figure 165: Question settings panel



Tip: Whenever **Time limit** option is selected, **Set equal time limit for all questions** button in the settings panel (1 on Figure 165: on page 146) 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 158: on page 142), 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 140](#)

[Single answer questions on page 146](#)

[Multiple answer questions on page 147](#)

[Fill in the blanks on page 148](#)

[Relations on page 149](#)

[Ranking on page 150](#)

[Image hot spots on page 151](#)

[Drag and drop labels on page 153](#)

[Open question on page 156](#)

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 166](#): on page 147 .



Figure 166: **Quiz Player:** Single answer questions

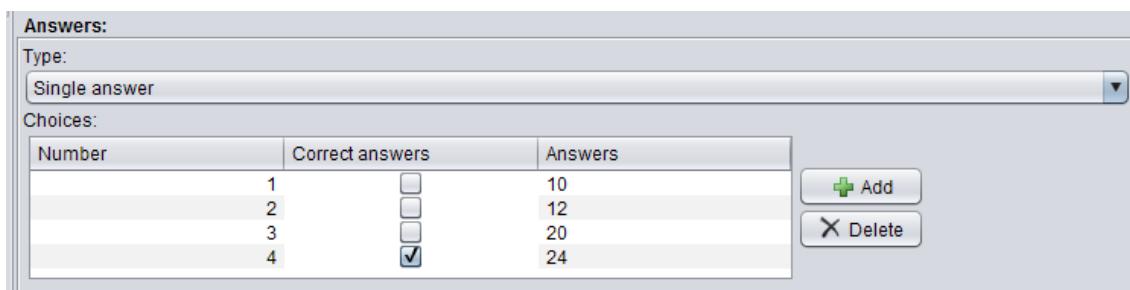


Figure 167: **Quiz Builder:** Single answer

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 140

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 168:](#) on page 148 .

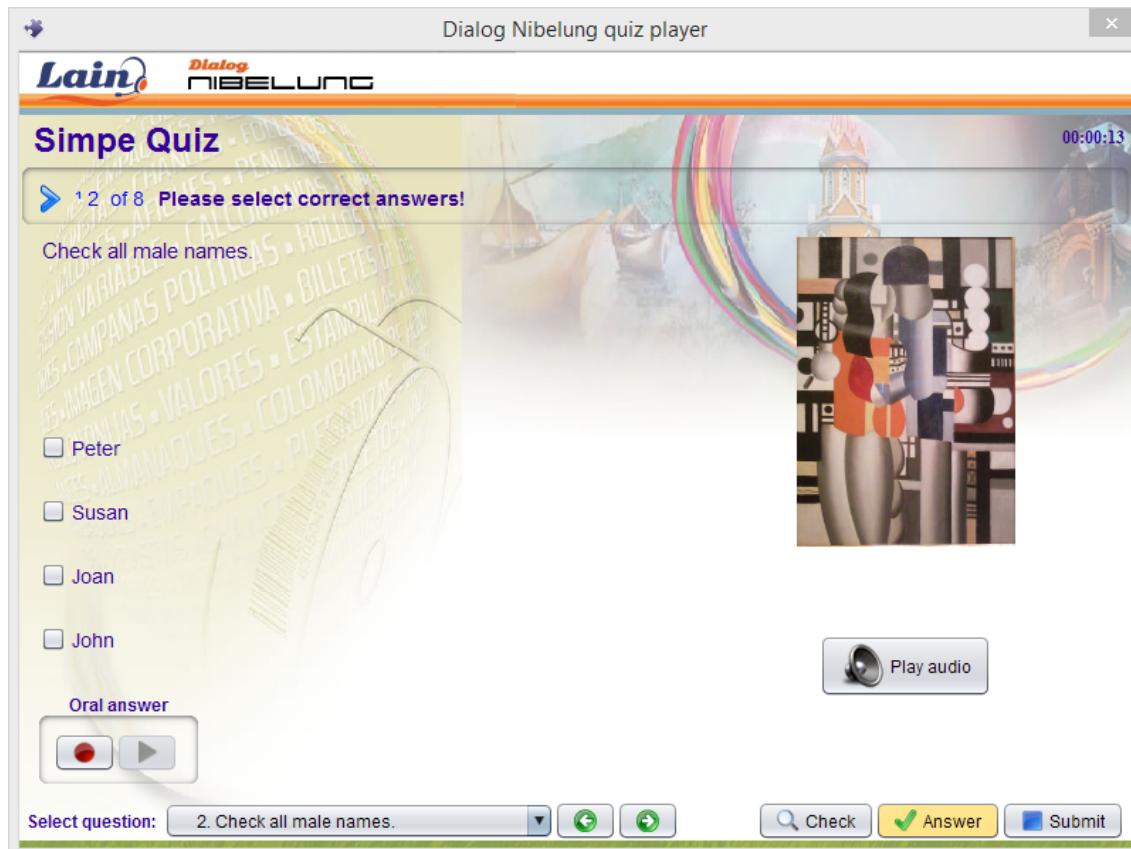


Figure 168: **Quiz Player:** Multiple answer questions

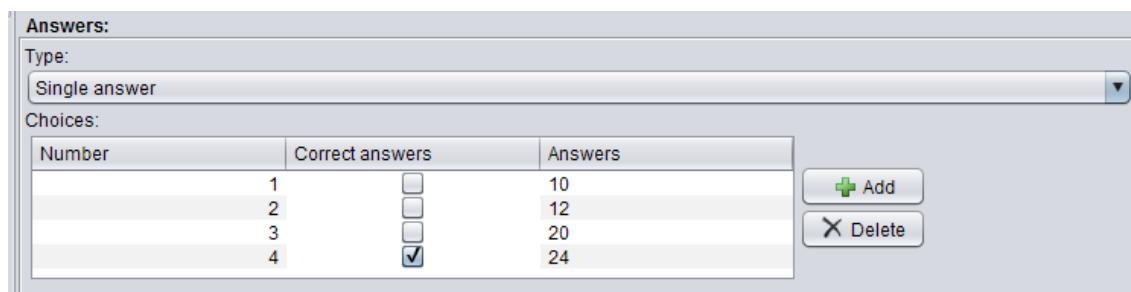


Figure 169: **Quiz Builder:** Multiple answer

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 140

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 170](#): on page 149 .

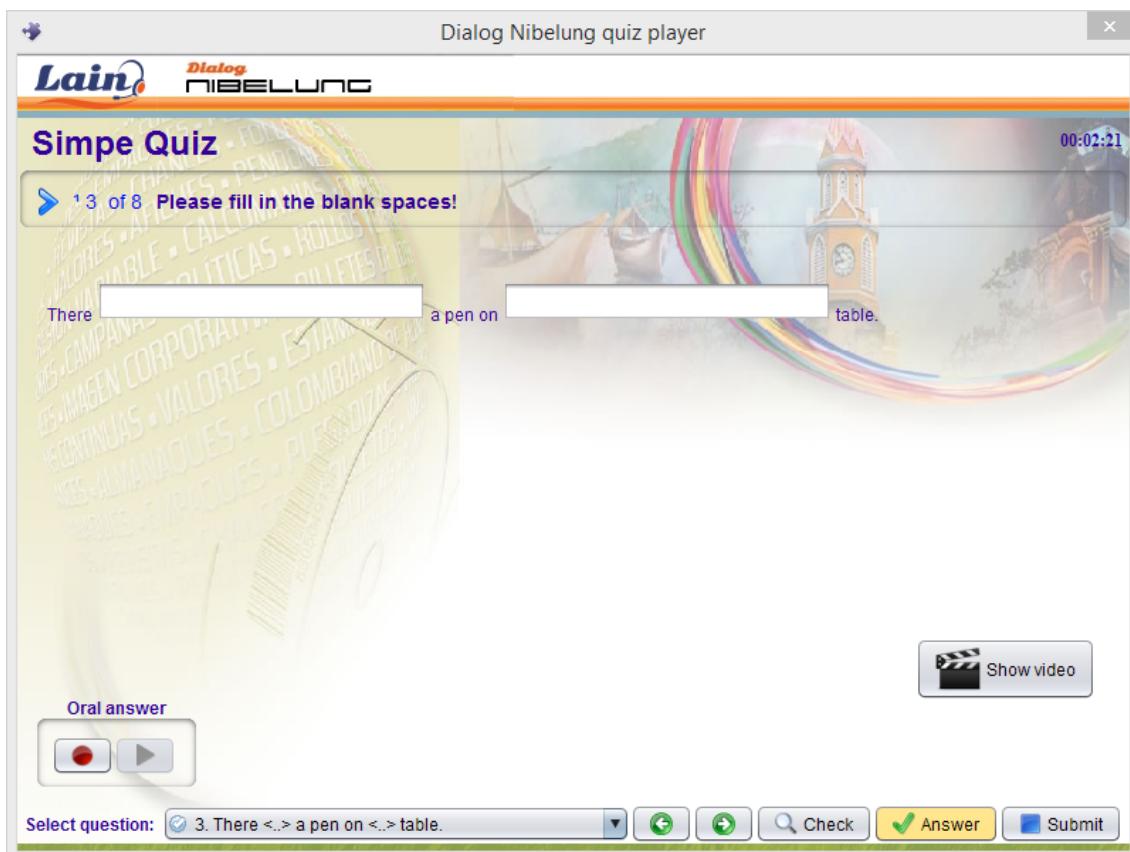


Figure 170: **Quiz Player:** Fill in the blanks

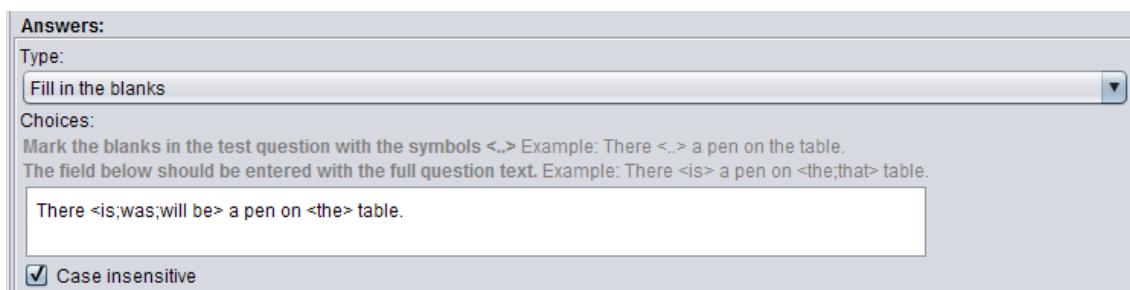


Figure 171: **Quiz Builder:** Fill in the blanks

Select **Fill in the blanks** as the question type and enter the text into the editor panel ([Figure 160](#): on page 143) 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 140

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 172](#): on page 150 .

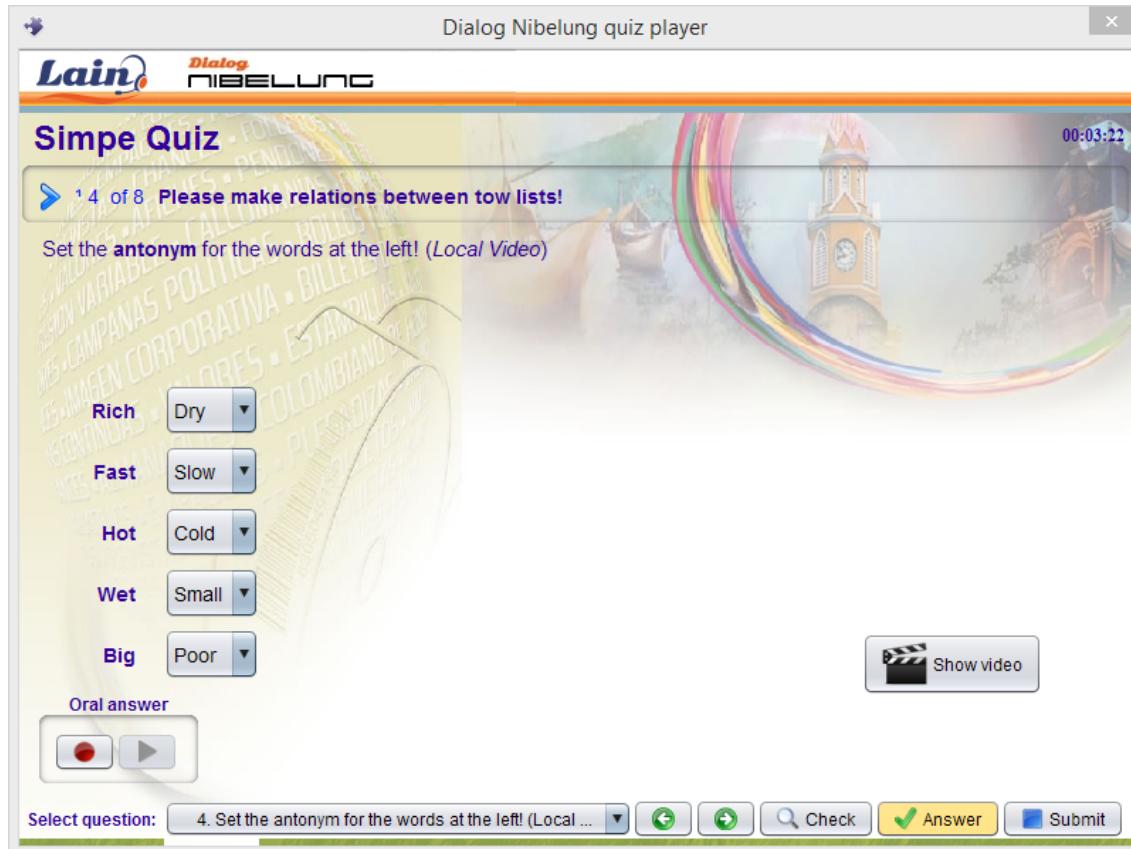


Figure 172: Quiz Player: Relations

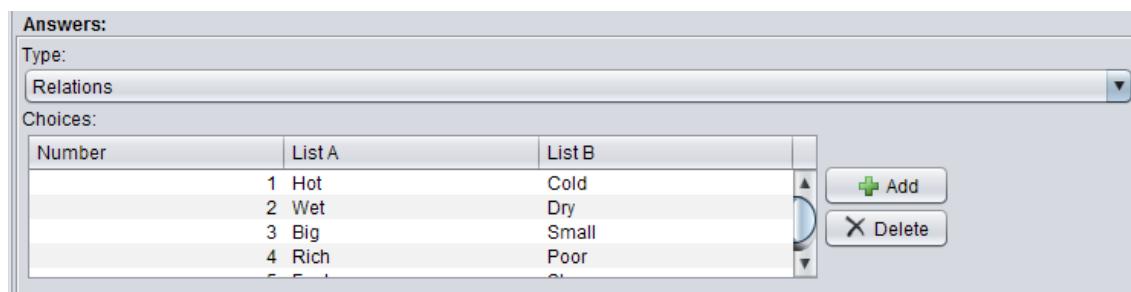


Figure 173: Quiz Builder: Relations

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 140

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 174](#): on page 151 .



Figure 174: **Quiz Player:** Ranking

Answers:											
Type:	Ranking										
Choices:	<table border="1"> <thead> <tr> <th>Number</th> <th>Answer</th> </tr> </thead> <tbody> <tr><td>1</td><td>Russia</td></tr> <tr><td>2</td><td>Canada</td></tr> <tr><td>3</td><td>USA</td></tr> <tr><td>4</td><td>China</td></tr> </tbody> </table>	Number	Answer	1	Russia	2	Canada	3	USA	4	China
Number	Answer										
1	Russia										
2	Canada										
3	USA										
4	China										
<input type="button" value="Add"/> <input type="button" value="Delete"/>											

Figure 175: **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 140

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 176*: on page 152 .



Figure 176: **Quiz Player**: Image hot spots



Figure 177: **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.

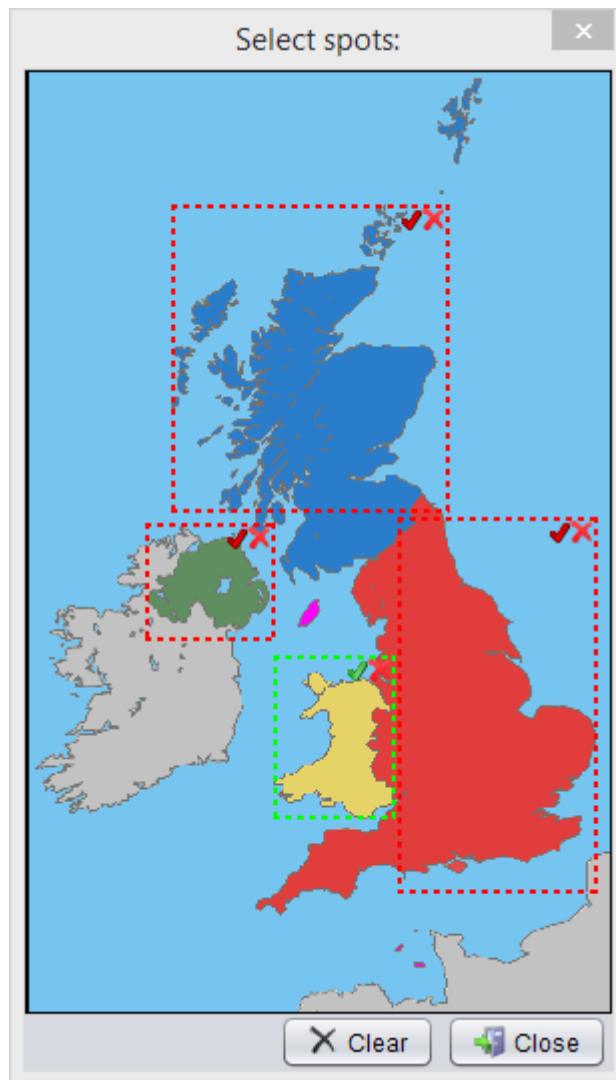


Figure 178: Spot editor window

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 140

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 179*: on page 154 .

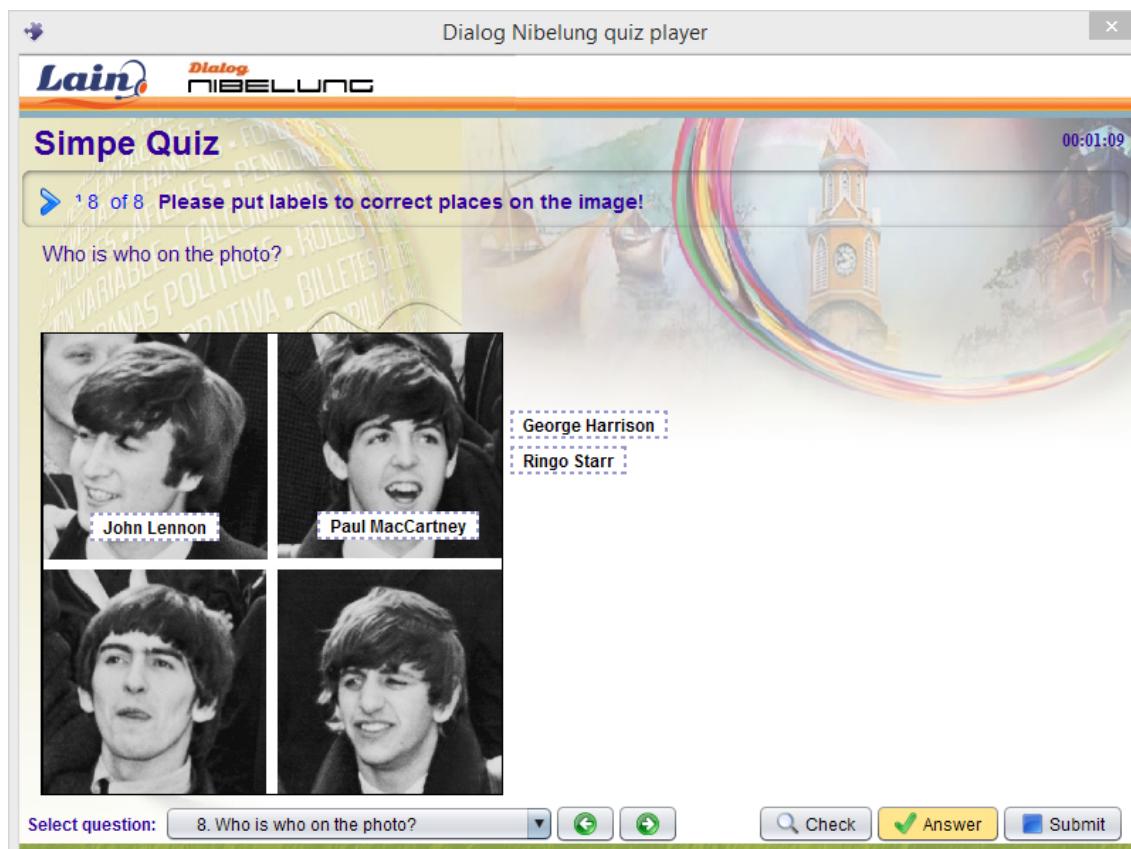


Figure 179: **Quiz Player:** Drag and drop labels



Figure 180: **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 181: 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 140

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.

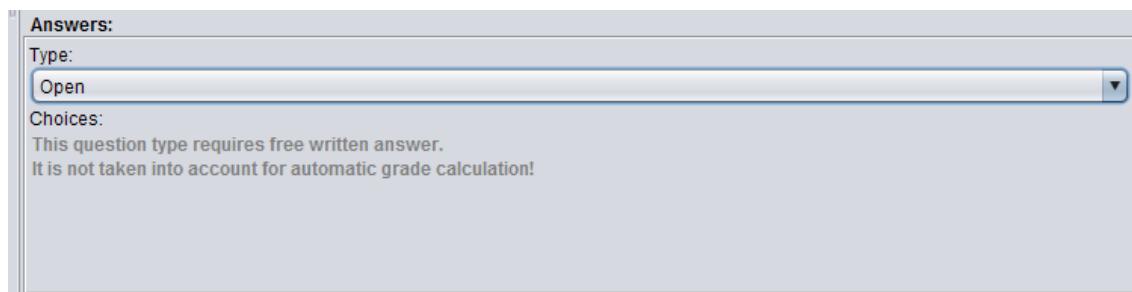


Figure 182: Question type: **Open**

These types of questions will be presented to the student as shown in *Figure 183:* on page 156 .

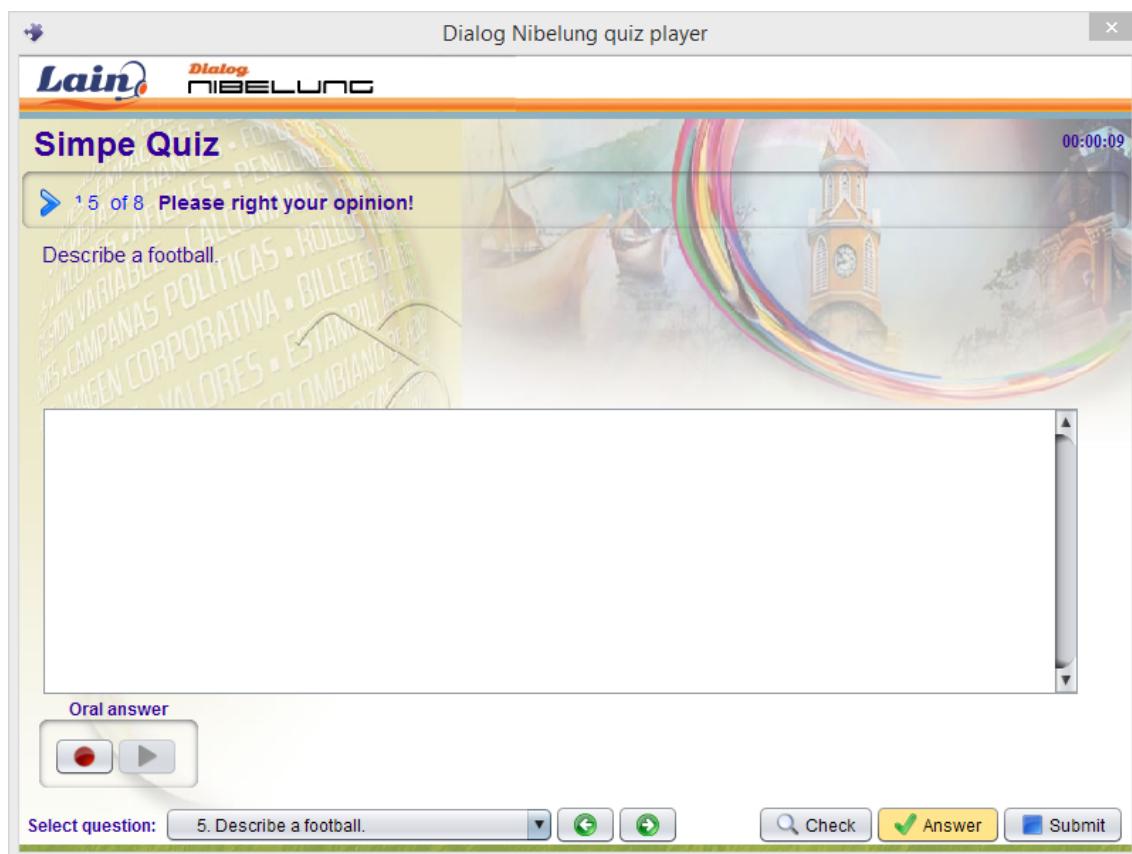


Figure 183: Quiz player: Open question

Related Links

[Quiz Builder](#) on page 140

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 104), **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 184:](#) on page 157).

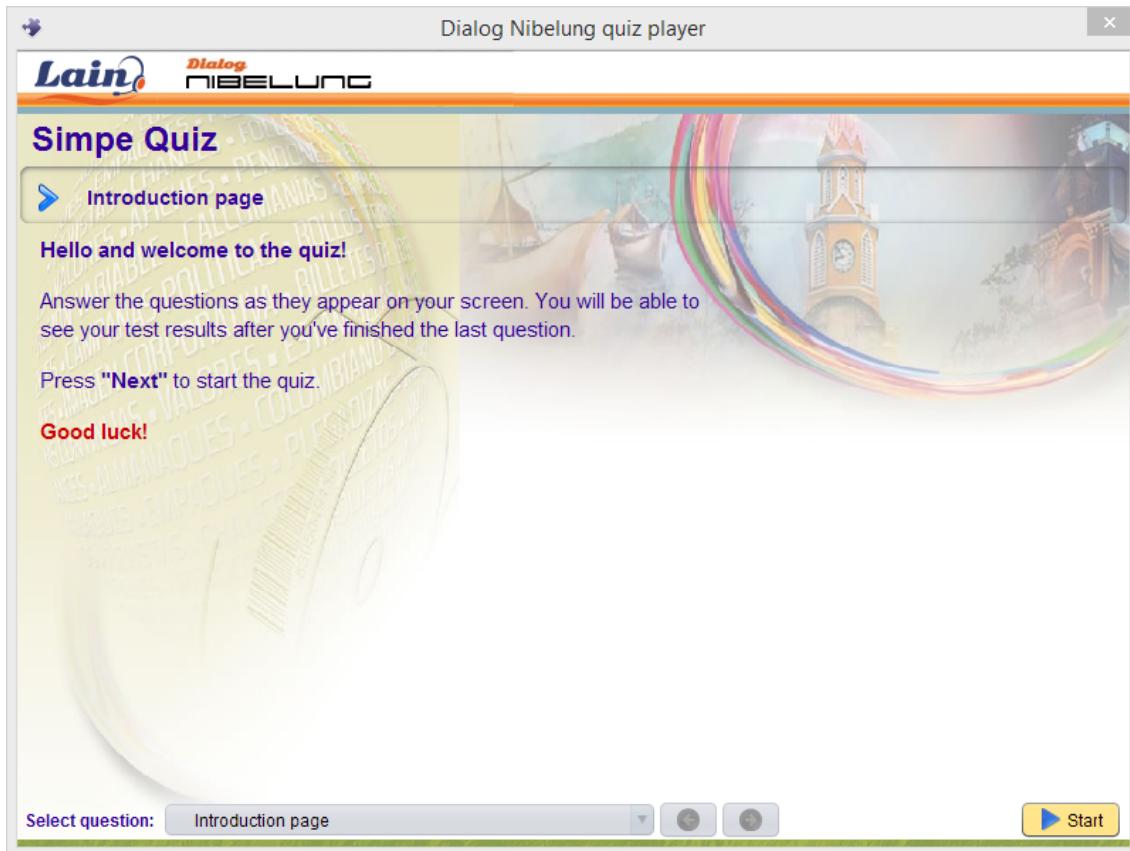


Figure 184: **Quiz Player** window displaying quiz introduction

Students should press the **Start** button to start the quiz. First question of the quiz will appear on their screens ([Figure 185: on page 158](#)).



Figure 185: **Quiz Player** window displaying a question with a time limit

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 187: on page 160](#))
- 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 140), 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 185: on page 158](#)).



Tip: Instant feedback option greatly simplifies creation of learning assignments.



Figure 186: **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 185: on page 158](#)). Images will be displayed automatically in the right portion of the **Quiz Player** window (e.g. the clock image with an exclamation point in [Figure 185: on page 158](#)).

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 ([Figure 187:](#) on page 160).



[Figure 187: Quiz Player](#) window with a **Single answer** question with audio and oral answer option

Elements of the **Quiz Player** window:

-
- 1 Quiz time remaining

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.

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 185:](#) on page 158).

Quiz results summary will be displayed to the students upon completion of a quiz ([Figure 188:](#) on page 161).

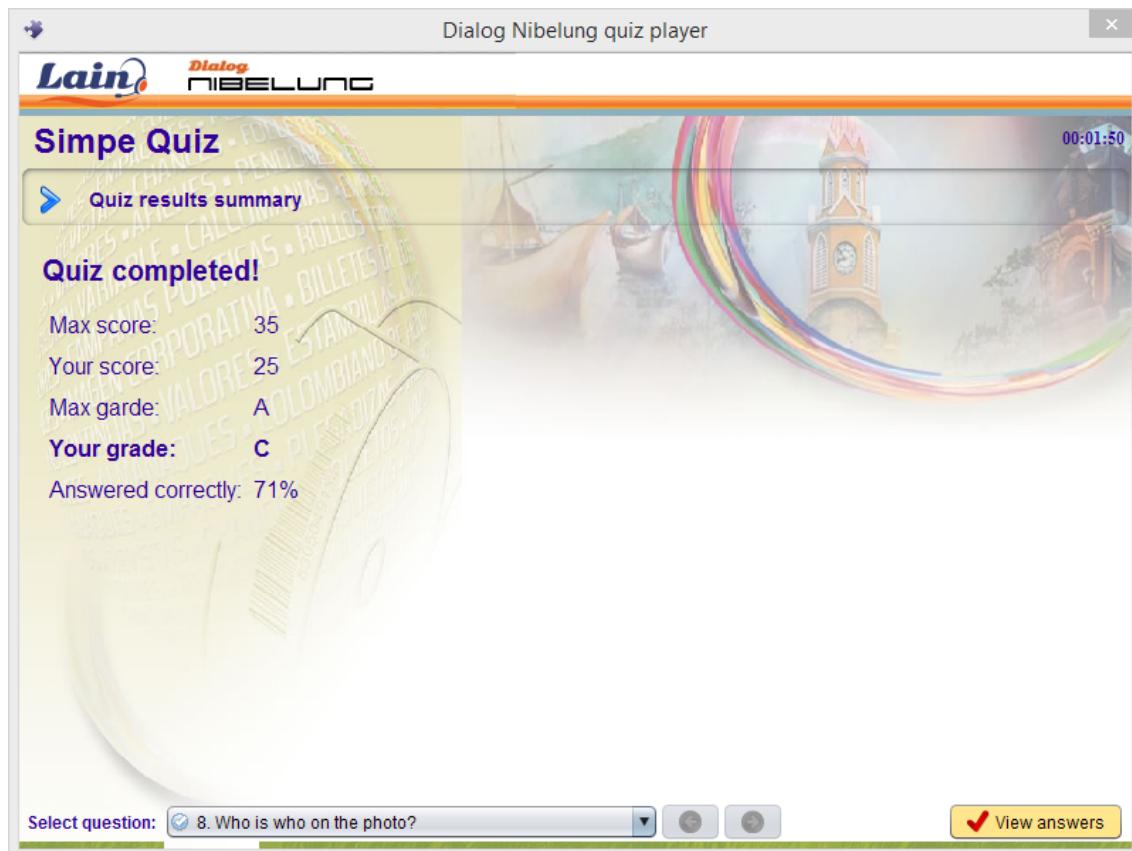


Figure 188: Quiz results summary

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 189:* on page 162) and which not (*Figure 190:* on page 162).

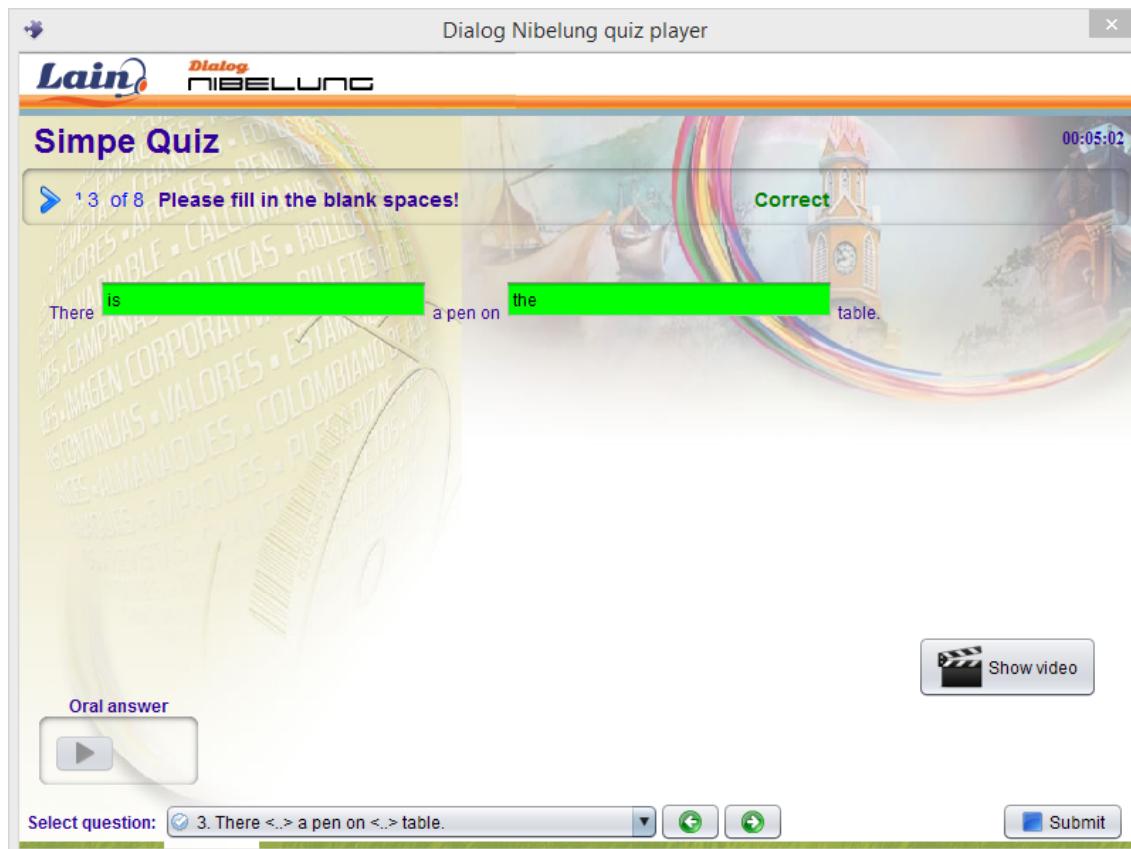


Figure 189: Correct answer

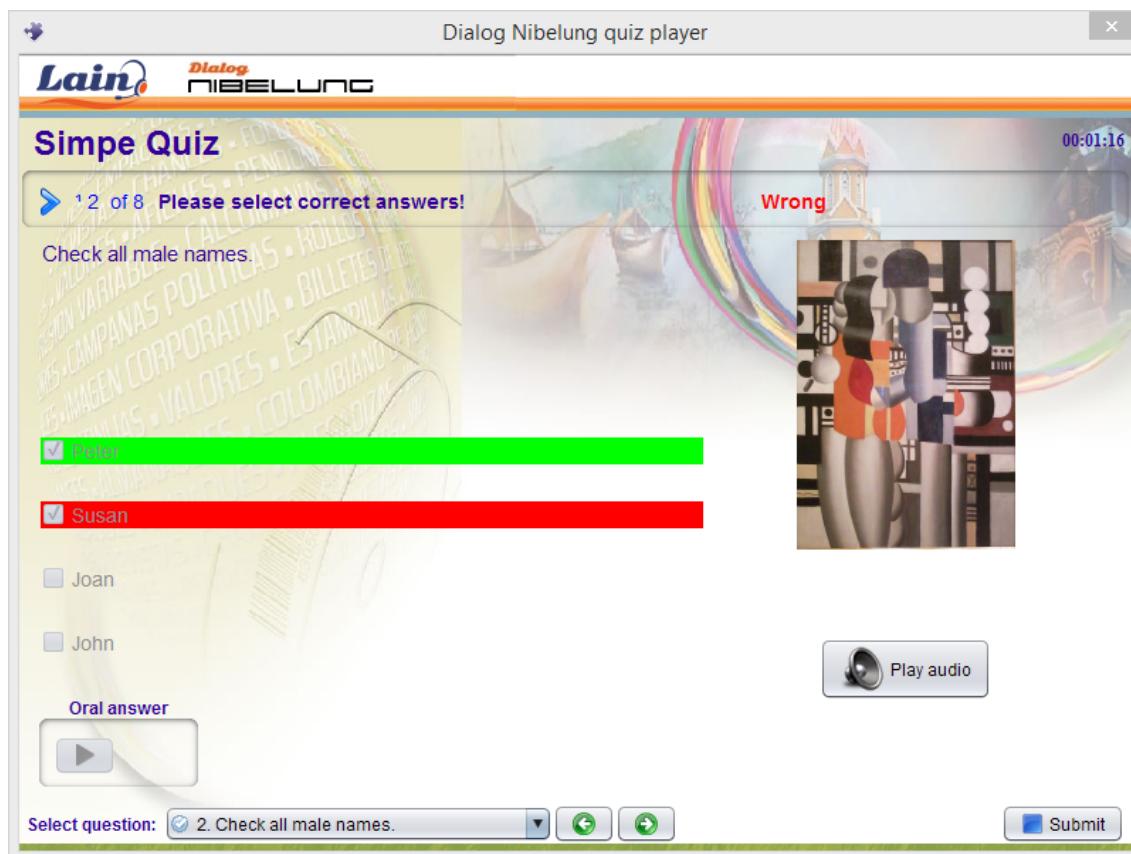


Figure 190: Incorrect answer

Related Links

[Dialog NQuiz on page 140](#)

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 104](#)). 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 191: on page 163](#)).

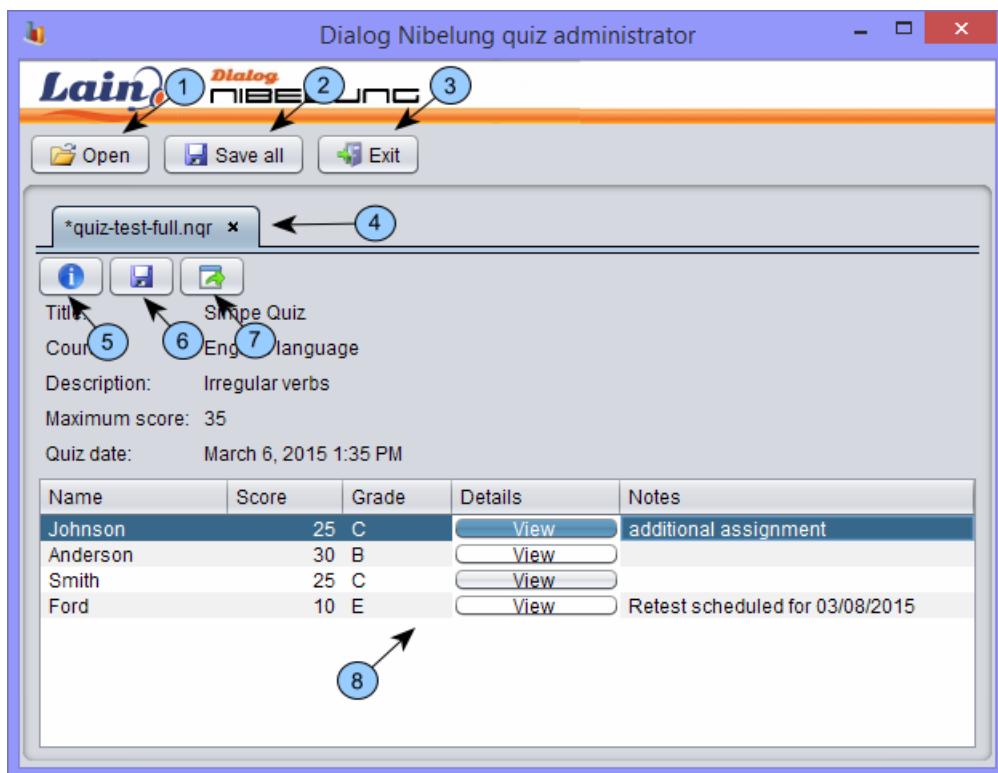


Figure 191: **Quiz Administrator** window with test results

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 156) with this student's quiz results.

Related Links

[Dialog NQuiz](#) on page 140

7. 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 page 33).
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 52).
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 55).
5. Perform student roll call registration (section [Roll call registration](#) on page 57). Correct student names if necessary.
6. You can now arrange students into groups (section [Grouping of students](#) on page 62) and assign them activities (section [Student activities](#) on page 88).
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 90).
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 83).
10. Exit the teacher module and shut down the teacher workstation (if necessary).

8. AUDIO HUB

8.1 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.*

8.2 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 192: on page 166).



Figure 192: 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 193: 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 194: on page 167](#)). 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.

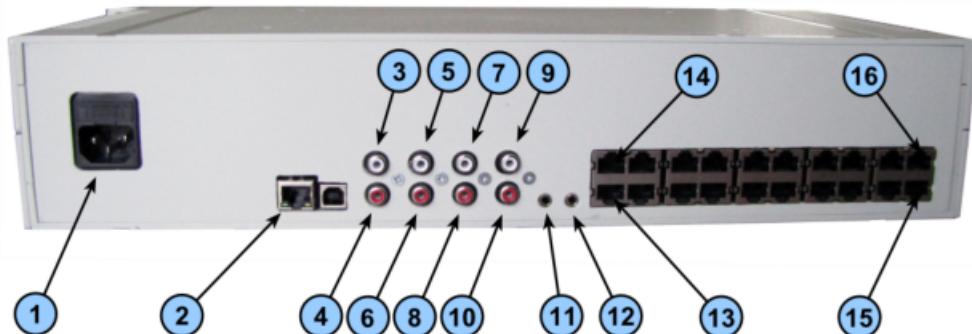


Figure 194: Audio hub: rear panel view

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
 - 10
 - 11
 - 12
 - 13
 - 14
 - 15
 - 16

-
- 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/cmd.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 195: on page 168](#)). 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	<input type="password"/>
submit	

Figure 195: Audio hub network settings

8.3 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 196: on page 169](#)).

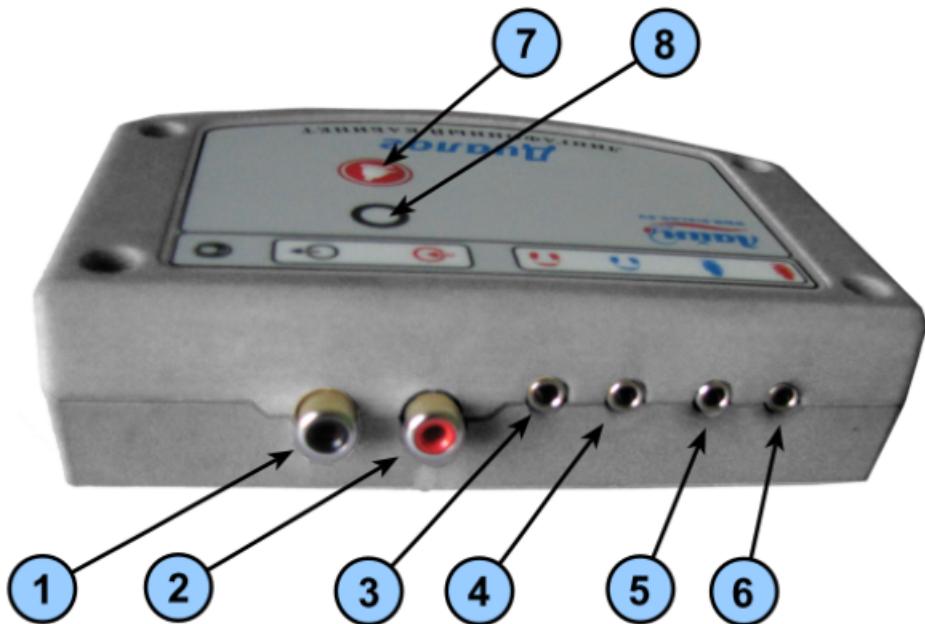


Figure 196: Student interface controls and connectors

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.

8.4 Connecting the audio hub

Connection diagram for a classroom equipped with Ethernet LAN and an audio hub is shown in [Figure 197](#): on page 170 .

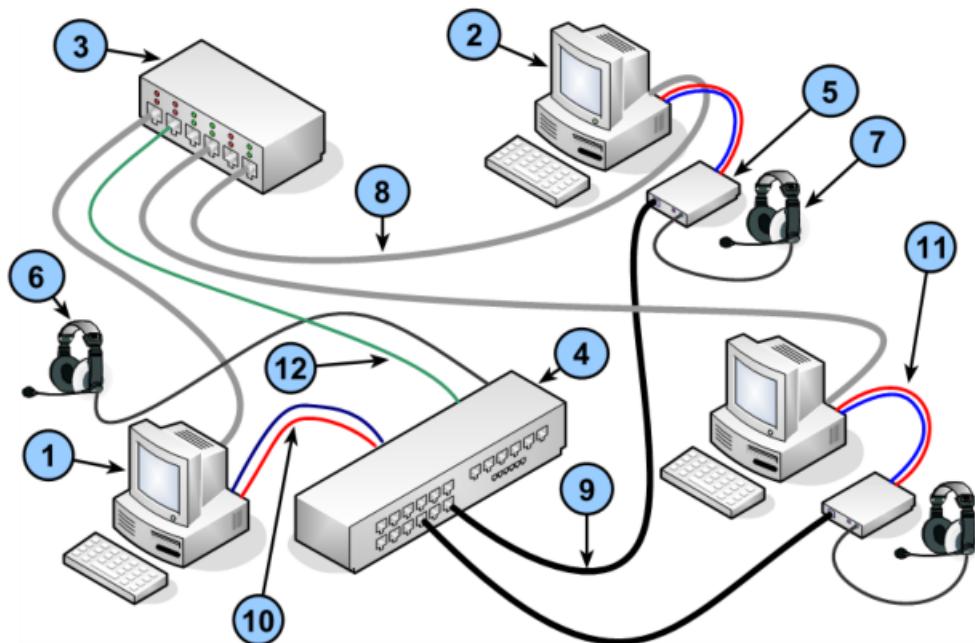


Figure 197: Audio hub connection diagram

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 |
-

8.5 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 41 .



Tip: The audio hub allows for connections to a maximum of 30 student workstations. Student workstations with IDs above 30 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 198](#): on page 171). This icon appears in color whenever **Dialog Nibelung** has established communications with the audio hub and gray otherwise.

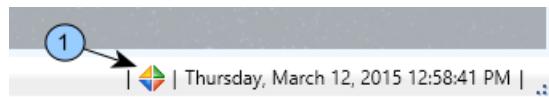


Figure 198: Audio hub status icon in the teacher module

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 144](#): on page 131).



Figure 199: 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 105) whenever **Dialog Nibelung** recognizes an audio hub.

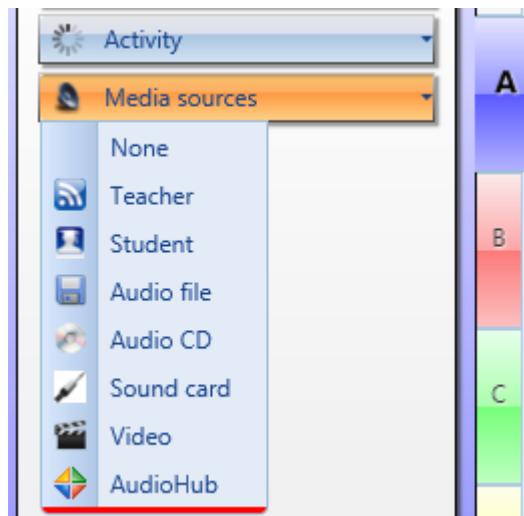


Figure 200: **Media sources** menu

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;**

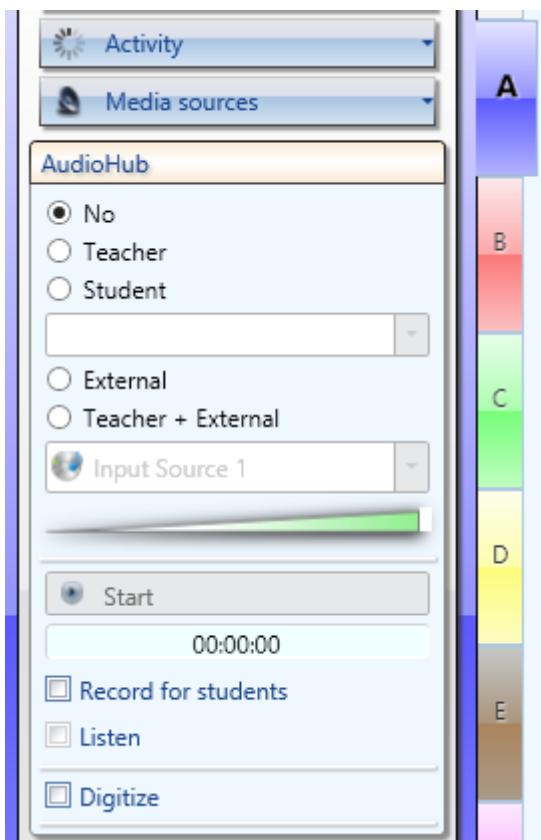


Figure 201: **Audio hub** source control tab

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 106) 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 105.

9. FREQUENTLY ASKED QUESTIONS

9.1 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 10 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 10.

What exactly is on the the installation disk?

Please refer to section [Installation notes](#) on page 10 for the content listing of the installation disk.

9.2 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 and Windows 7 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 110) 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 30). 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.ntonyx.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.

10. 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 page 36).

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 31);
- 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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12. CONTACT US

Web	http://www.lainlab.com
Email	sales@lainlab.com
Phone	+372 5622 6873

13. GLOSSARY

Student Seat ID

Student workstation sequential number for identification (section [Student module setup](#) on page 31). 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 31).

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 12). 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 78).

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 55).

Discussion

Discussion is a classroom activity during which students have conversations either in pairs or in a group (section [Discussion](#) on page 93).

Bookmarks

Bookmarks are used to mark certain positions in multimedia files for quick access to them later (section [Bookmarks](#) on page 135).

Launch applications

Launch applications is a mode that allows the teacher to remotely launch applications on student workstations (section [Launch applications](#) on page 65).

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 133).

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 130).

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 41).

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 105).

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 114.

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 105).

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 111).

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 98).

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 98).

Listen

Listen mode allows the teacher to listen to a student, a pair of students, or a group discussion (section [Listen](#) on page 63).

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 63).

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 57).

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 90).

Subtitles

Subtitles can be used to aid the students in speech comprehension in audio and video materials (section [Subtitles](#) on page 138).

Student track

Student track is used for recording student voice (section [Master track and student track](#) on page 133).

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 87).

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 83).

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 131).

Chat

Chat is a classroom instant messaging service (section [Chat](#) on page 67).

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 77). These thumbnails will be updated every few seconds.

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