Biomedis M Air 4 software user manual

1. Overview

The software is designed to generate the file systems to be used in the Biomedis M device.

The software uses a frequency base from the previous version (the old frequency base) and a new one (new frequency base), the creation of own database (User base) is also available.

The frequency base can include any number of sub-sections. Sections can contain complexes and programs; the complexes can contain only programs. The section allows the user to create any convenient section structure, systems and programs.

The software provides the ability to import and export a user database to a file, it works both for the entire user base, and for the selected section or complex of the user database (it is described in more detail in the relevant section).

The device files are handled in the right side of the software interface. Users can create any number of profiles for work. The device records only one profile at a time. A profile recorded on the device is uniquely identified by the software and allows you to synchronize changes in the profile with the files on the device. The software does not allow mixing different profiles on the device.

The software features importing and exporting profile data that you can transmit to / receive from other users. Profiles operate independently of the frequency base; the presence or absence of programs and complexes in the database does not affect the operation of complexes and program profiles (handling profiles is discussed in the corresponding section).
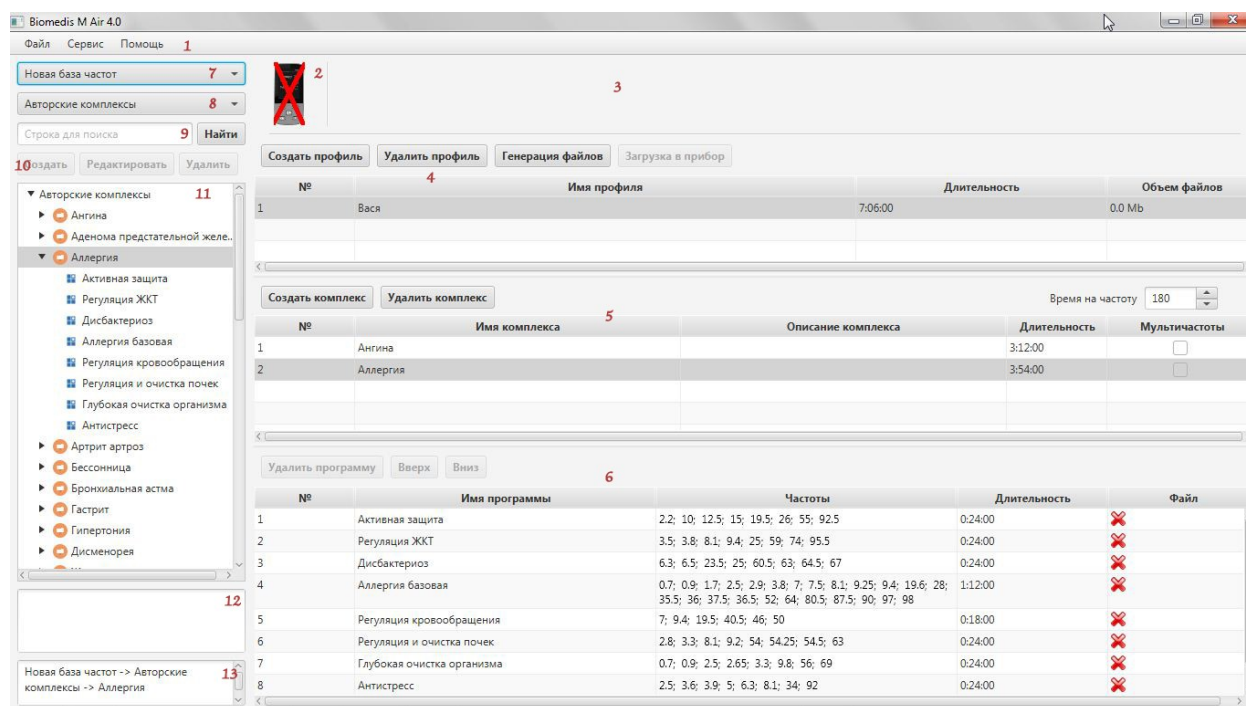
The software does not allow for manual copying the generated files both on the device, and from the device to the program. Function to read the profile from a folder creates only the structure of the profile, but does not copy files. The relevant files are generated by the software. The software does not allow mixing of seemingly identical profiles generated on different PCs, the software keeps track of all changes in the profiles and makes it easy to update the files on the device.

The software has the ability to write files to external media (for transmission to another person) that are different from the Biomedis M device.

The software requires the JRE 1.8.0_45 or higher client package installed. You can download and install it from the Oracle official site: http://java.com/download

Working with the software does not require administrator rights and the software does not interact with the Internet. The software also runs on any operating system supporting Java (Windows,Linux, MacOS etc.). For Windows users, a codec is pre-installed to generate files, the MacOS users can install the codec from the image in the assets\codec\install_for_mac folder of the software (to call the codec the software uses open command from the macos system, so the path is specified as in the command to open the application). The software uses the mp3 codec to generate files. You can specify the path to the codec exe file in the software settings, then the software will be able to use it correctly when generating.

2. Description of the main software window

The main software menu is at the top position of the window (1). The rest of the window can be divided vertically into two parts. The left side is an interface to handle with the frequency base, the right one is to handle with profiles. Let us examine them in detail.

Position 2 is an indicator of the connected device; if the device is connected to a PC, you can move the cursor to the indicator and prompted to see how much space is left on the device. Also, when you connect the device, an indicator of free space appears to the right of the indicator.

Position 3 is used to display messages and progress bar for file operations.

Below position 3, there are three areas with tables for the profiles, complexes and programs. The size of these areas vary, if you bring the mouse cursor to their borders, you can drag and drop them.

Position 4 is profile table and buttons: create a profile, delete a profile, generation of files, loading into the device (it is available only after all of the files are generated in the profile).

While double-clicking, you can change the profile name in the profile table, the changes are applied when pressing Enter button. Duration shows the total time of the profile programs, the amount of files, and the total amount of the profile files generated.

Position 5 is a for complex table and buttons: create a complex and remove a complex. You can create a complex by pressing the "create a complex" button and fill it with programs from the frequency base, and a complex can be created by double clicking on the complex in the frequency base. The complex name can be changed by double-clicking, as in the profile table. The complex description is created and edited by a double click, and the changes are saved by pressing Shift + Enter. Duration shows the total time of the complex programs. The multifrequency field indicates, in which mode the complex files are generated. If a check mark is set in the box, multifrequencies will be generated, otherwise sequential frequencies and multifrequencies be generated, if they are available in a therapeutic software to be generated (set in +). The time for frequency Interface element allows you to select the time for

frequency for programs selected for the complex (maximum 1,000), you can select it using keys or enter manually. After changing this parameter, all the complex programs will be flagged as requiring the generation of files.

Position 6 is a therapeutic program table and a button: delete a program, up, and down. The table fields show the program names, frequencies, duration, and the presence of the generated file and its volume. The programs are added in a complex or automatically, when moving the complex from the frequency base, or by double-clicking the programs in the frequency base and the complex selected in the therapeutic complex table. The up and down buttons allows you to change the position of the program selected. The up and down buttons allows you to change the position of the program selected software. In addition, the position can be changed, if you press the right mouse button on the program and select the cut in the pop-up menu, then pressing the right mouse button on the desired position and select Insert.

Let's examine the frequency base interface.
Position 7 is a dropdown list of available databases: the old frequency base, the new old frequency base, User Base. After selecting the base (the default is the first one), you can select lower (pos. 8) in the drop down list the base section, for example, infectious, non-infectious programs and so forth. After selecting a section in pos. 11, the section structure, complexes and programs will be loaded. The programs and complexes are transferred to the tables on the right inside this structure.
Position 9 contains a search text entry field and a search button. After clicking the search button, a context menu will appear, where you can select a search area. Search results will appear in position 11. While pressing the programs, you can see the sections and complexes in the positions 12 and 13 and their description and location relative to the base (to be guided in the search). To exit the search mode you can select other section, base or while pressing the search button, select the Back item (return to the place from which the search has been performed).

3. Description of the main menu
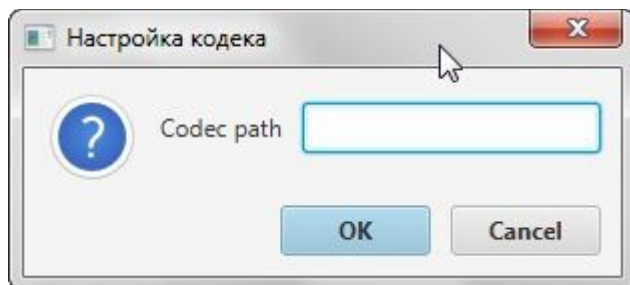   3.1 File menu

   3.3.1 Export and Import
   All the export operations open a standard file selection window; you can select a folder, where you put the file, and type a file name at the bottom of the window, the expansion will be added automatically. When importing, a new window also appears, but here you already choose an existing file.
   You can export the entire user base and custom section. To do this, before choosing the User Database Export item, you must select a section, otherwise all the user base will be exported. The standard bases are not exported!
   The profile is exported in whole, the Therapeutic Complex Export exports a selected complex from the complex table located in the right part of the software.
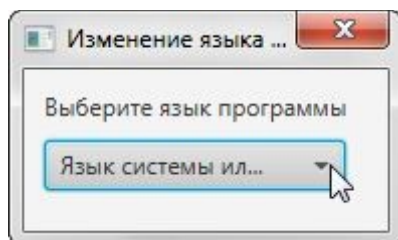   When you import a user section, you specify the name of the section, if before pressing the import button, you have chosen a section within the User Base, the new section will be created in it, otherwise it will be created in the root of the User Base. The Therapeutic Complex Import requires selecting a profile, where the complex has to be imported. All export files have the extension by type, the software will not take for the import a file with the wrong extension and contents. Manual editing the export files and their manual creation can lead to a distortion of the user sections! Be careful to create files from their program!

   3.3.2 Settings -> Codec

This setting is required for users of an operating system other than Windows. A path to the executable file Mp3 codec is written in the Codec Path field.

3.3.3 Settings -> Select Language

The interface and frequency base are translated in the software. In this window, you select the language of translation of frequency base, if the desired language is not listed in the database or in translation base, the text will be in English. If there is a translation of the interface into the selected language, it will be displayed after you restart the software. If there is no interface translation into the language selected, then the interface will be displayed in English.
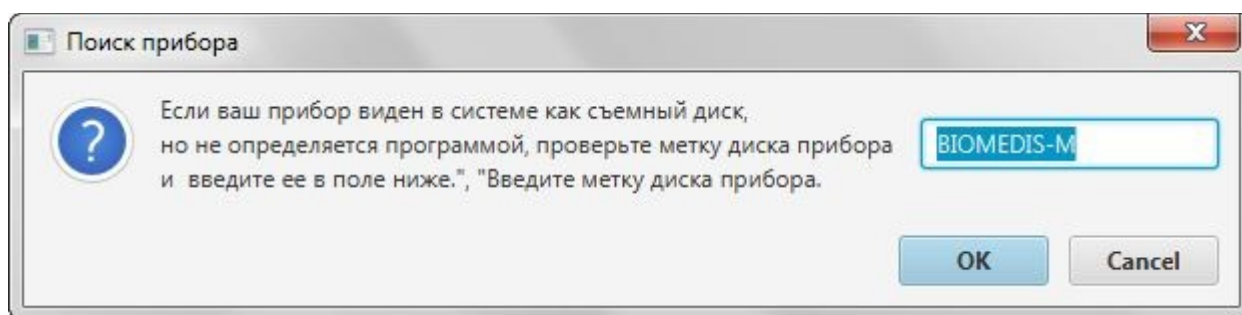
3.3.4 Printing

The printer can print out either the entire profile, or a profile complex. To print you should select a profile or a complex in it, and select profile or complex printout.

В открывшемся окне вы увидите сверху кнопку печать, снизу предпросмотр документа. После чего можно нажать печать. Если в системе не установлены принтеры, будет выведено сообщение.

3.4 Menu

3.4.1 Find the device

If the device when connected to a PC is seen as a removable drive, but is not visible in the software, it is necessary to configure in this window. The software determines the program by the label on its disk. The software determines the program by the label on its disk. The label is specified when formatting or by other affordable way. You can see the disk label of your device in the disc properties. Next, copy the label in the specified field. Next, copy the label in the specified field. If the label is pointed correctly, the device must be defined in a few seconds after pressing the Ok button in the search box of the device. By default, all devices are labeled as BIOMEDIS-M, when flashing and formatting, you could accidentally replace it.

3.4.2 Restoring the integrity of the file system

The file system of the device contains hidden files that are generated and updated by the device after

copying files to it or any file changes in it. These files are updated when the equipment displays the Creating ... message. These files are updated when the equipment displays the Creating ... message. If the device power is switched off at the moment, the files may contain erroneous information, and as a result, the programs and complexes on the device may not be displayed correctly. To resolve this problem, this function has been created, simply use it with the device connected to a computer. Next, unplug the device, wait for the completion of Creating ...

3.4.3 Deleting generated profile files

The files of the selected profile are deleted to free up disk space. The profiles are in the database and do not depend on the file. The files themselves are stored in a software folder in a specific format and should not be used directly.

3.4.4 Reading the profile from a folder

This feature is similar to reading the profile from the device, but does not copy files, but creates a corresponding structure. You can read profiles of their folders (e.g. from the folders in the profile folder of the old software) or from a device folder (it is necessary to select the root device drive folder).

If a device has been brought with a profile being already existing on it and you have been asked to correct, you can read the profile from the device, make changes and upload back to the device (if it is the profile of a new format, it will simply upgrade on the device, if it is of an old format, the software will prompt you to overwrite it in the new format).

4. How to work with user base

The user base is called a frequency base section where the user can create own data structure. Working with the user base begins with the selection in the drop down list of User Base item 7. Next, buttons will be available to work with the user base 10 (create, edit, delete).

If the user base does not contain any sections that appear in the drop-down list 8, then you need to create at least one section while clicking the Create button. Enter a name and section description (optional) into the window that appears. The section will appear in list 8. Далее для работы с созданным разделом его нужно выбрать в списке 8, после чего кнопка создания будет создавать подразделы, комплексы и программы в этом или выбранном в поле 11 разделе.

5. Step description of the device programming process