

Research and production company
"BIOMEDIS"

The device physiotherapeutic for carrying out
bioresonance therapy and anti-parasitic correction of
the environment

"BIOMEDIS"

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Registration certificate
NºFSR 2008/03495

**INSTRUCTION ON APPLICATION
(PASSPORT)**

***Before application
study the instruction***

CONTENT

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Delivery set

- 1 . Device physiotherapeutic BIOMEDIS
- 2 . Network Charger (NC)
- 3 . USB cable
3. Instruction on application (passport)

Purpose of the device

The medical device "BIOMEDIS" is intended for carrying out bioresonance therapy (BRT) - therapy by means of impact of electromagnetic fluctuations which by the principle of a bioresonance, promote restoration of the mechanisms of recovery broken by an illness and self-control.

Exogenous bioresonance therapy allows to carry out electrotherapy

by rectangular currents of changeable frequency and width (from 0,1 to 100000 Hz and from 5% to 50%). When carrying out this type of therapy the frequency range of brain waves of the person (frequency Follya, Schmidt, Rayf) is used. Carrying out exogenous bioresonant therapy is possible as with application of manual electrodes thongs, and beskontaktno, by means of HFR of the electromagnetic field modulated by therapeutic frequencies.

This type of therapy is combined with any other types of treatment, such as pharmacotherapy, physical therapy, homeopathy, acupuncture, etc.

Principle of operation of the device and recommendation about carrying out therapy

Bioresonance therapy (BRT) consists in correction of functions of an organism by harmonious transformation of resonant electromagnetic fluctuations, characteristic for radiations of a live organism, for the purpose of their synchronization.

Treatment is based on suppression pathological, restoration and strengthening of physiological frequency ranges of fluctuations and maintenance of relative synchronization of the various wave processes making a physiological homeostasis of an organism.

The idea of BRT by means of the weak electromagnetic fluctuations inherent in the patient, was stated and scientifically proved for the first time F.Morell (1977).

In a normal physiological state of an organism relative synchronization of various oscillatory (wave) processes while at violation of oscillatory harmony in an organism pathological conditions (diseases) start developing is supported.

BRT is a therapy by electromagnetic fluctuations with which structures of an organism are included into a resonance. Influence is possible both at cellular level, and at the level of body,

system of bodies and a complete organism as various levels are characterized and, actually, cope various frequency and wave parameters.

The main idea of application of a resonance is in medicine that at the correct selection of frequency and a form of medical (electromagnetic) influence it is possible to strengthen normal (physiological) and to weaken pathological fluctuations in a human body. Thus, bioresonance influence can be directed both on neutralization pathological, and on restoration of the physiological fluctuations broken at pathological conditions, i.e. on suppression of hindrances (noise) in an information field of an organism.

In a healthy organism, irrespective of age, the relative synchronization of different oscillatory (wave) processes by means of which our organism and supports a status of balance, equilibrium and health remains always and supported. In case of development of any pathological, pathogenic processes there is an imbalance and

violation of harmony of a frequency and wave homeostasis. Develop new, faulty, supporting an illness and not allowing to recover, pathogenic oscillations and resonances. The program of selfrecovery this by the nature and self-healings glorks an organism.

The instrument "BIOMEDIS" task step by step to recover the correct healthy energy potential of organs and systems and to make a peculiar realignment, reinstallation of unhealthy rhythms and frequencies, on healthy, in resonant sense, a row.

The solution of the task of creation of a method of electromagnetic therapy which allows to provide harmonization of operation of organs and systems of the person at the expense of the resonant phenomena caused in an organism by the given frequencies is the basis for a medical method of the instrument "BIOMEDIS".

The method of electromagnetic therapy is that recovery of health and elimination of mechanisms of an illness is reached by impact on an organism an impulse low frequency electromagnetic field with the certain carrier frequency modulated by different frequencies.

The device is intended for home use.

Therapy sessions, components of the course of treatment, each session is a one-time impact of a certain program. The day can be done several sessions. The most pronounced effect occurs due course therapy.

Course therapy is 14-28 days of exposure with a one-two day break at the end of the course. If necessary, treatment can reach 5-7 courses.

To get the most expressed effect of a device can be located close to the affected body of the back.

The greatest effect is achieved by treatment in combination with other therapy.

Recommendations for therapy

On the day of the procedures try not to do heavy physical work.

Regardless of the time of the procedures during the day drink at least 1 liter of clean boiled drinking water.

In case of acute diseases (poisoning, acute respiratory infections, colds, influenza) is recommended procedure every 2 hours prior to the overall improvement of the health state and eliminating the symptoms of your illness.

The use of the apparatus « BIOMEDIS » does not exclude the use of drug therapy and traditional medicines, and on the contrary, increases their effect.

Since the voltage at the electrodes (pin method of action) is sufficiently small, then when conducting medical and preventive procedures little sensations, or felt the faint tingle. To increase the effectiveness of treatment beneath the electrodes cosmetic cotton pad soaked in water. In case of damage to areas of the skin in the area of contact of the electrodes it is recommended to use cotton

pads, water-soaked.

During the session, despite the fact that the man's hands remain virtually free, recommended to stay at rest and concentrate on the rehabilitation of the organism.

Depending on the individual's susceptibility selecting the necessary number of procedures.

In the period after vaccination (vaccination), the device should only be used after consultation with a physician.

Application of the apparatus with the diseases that constitute a serious danger to the health, shall be carried out under the supervision of a physician.

ATTENTION!

Observe the instructions contraindications for use of the device. Check with your doctor.

The device unit

The device represents the generator – a radiator of RF of an electromagnetic field of feeble intensity, with amplitude shift keying of carrier frequency. Modulation frequency is set programmatically (according to the selected algorithm of operation) by means of a synthesizer with frequency direct digital synthesis. Thanks to application last, high accuracy of installation of the modulating frequency is reached. The instrument allows to give out a modulating signal directly on the external interface (manual electrodes) via the appropriate connector. The device is supplied capacity sensor with the TFT display with permission of 480x272 pixels, 4,3". A supply of the instrument can be carried out from the internal Li-Pol accumulator, from the network adapter.

To contain in memory of the device medical programs of which medical complexes can be made. Each program consists of frequency assembly executed sequentially. From medical programs medical complexes are formed.

In the instrument there is an opportunity to make own medical

programs by a set of sequence of frequencies. Any created own program can be included in composition of any medical complex.

For communication with the personal computer the instrument is supplied with mini USB port. The same port can be used as an input for a device supply from the external power supply and instrument accumulator charging.

Indications for use

(in accordance with the Methodological recommendations of the RF
Ministry of health №2000/47)

functional disorders of various Genesis;

- diseases of the Central nervous system and sense organs;
- disorders of the autonomic nervous system;
- pain syndromes of different localization and Genesis;
- diseases of the circulatory system;
- diseases of respiratory organs;
- diseases of the gastrointestinal tract;
- diseases of the skin and subcutaneous tissue;
- diseases of the musculoskeletal system;
- diseases of the urinary and genital organs;
- poorly healing wounds and ulcers
- and other;

Contraindications to application

(taking into account Methodical recommendations No. 2000/74 MZ of the
Russian Federation)

- coagulation disorders;

- pregnancy (first trimester);
 - benign and malignant neoplasms (allowed only under a doctor's supervision of the relevant qualification);
 - child up to 1 year (under the supervision of a physician adoption permitted);
 - availability of transplanted organs (Pets under the supervision of a physician);
 - the presence of implanted pacemaker;
 - individual intolerance to electric current (in the case of module «Contact»);
 - epilepsy (attack), convulsions (attack);
 - congenital malformations of the Central nervous system;
- state of acute mental institution or intoxication.

Software reference BIOMEDIS

DEFINITIONS

The **PROFILE** is a user name. Some users can use this software. In a profile there are all individual preferences of the selected user. The **PROGRAM** is a sequential frequency assembly. The software contains the program list which can't be changed. The user also can create the programs.

The **COMPLEX** is a sequential set of programs.

PROGRAMMING is a creation of a new **COMPLEX** from **PROGRAMS**, editing of already existing **COMPLEX**, creation or editing of own **PROGRAMS**.

THERAPY - a choice of already created complex, adjustment of parameters of therapeutic influence, start of process of therapy.

Operation beginning, choice and **PROFILE** creation

To start operation with the **BIOMEDIS** program it is necessary to click a program icon.

Further select the **PROFILE**. If there is no **PROFILE**, create the **PROFILE** having clicked the sign "+" and enter the **PROFILE** name, save it.

Select the necessary **PROFILE** by clicking the appropriate icon. For editing or deleting the **PROFILE** click the appropriate icon it is long.

After a choice of the **PROFILE** select either **THERAPY** or **PROGRAMMING**.

For return click **BACK**.

If in the selected **PROFILE** still there are no created **COMPLEXES**, at first it is necessary to select the **PROGRAMMING** menu to create **COMPLEXES**.

Creating and editing **COMPLEXES**

To create and edit complexes select menu **PROGRAMMING** and from there select **COMPLEXES**.

To create a new **COMPLEX** press "Create complex, set its name, save. Name of the complex will be added to your list of complexes. To delete a complex or edit the title of a **COMPLEX** of press and long hold the icon of the corresponding **COMPLEX**.

Further in the list of **COMPLEXES** select the required complex by clicking on the corresponding icon. The screen displays a list of programs included in the complex if the **COMPLEX** was created earlier. Either list will be empty if a package is created again.

To add a new program in the complex click the «+ Add program» in the upper right corner and select from the list of programs the desired program.

Programs are divided into categories. To search for the desired name, use the search icon.

Click on the icon found the program, the screen will display the list of frequencies of the selected program, the generation frequency with the possibility of discrete choice of time on the frequency of the program. When you change the time of generation frequency will be

changing all frequencies of the program and the total time of operation of the complex as a whole.

To return to the previous menu, press **CANCEL**.

To add an open **PROGRAM** complex, click **ADD**.

To change the length of the pause between programs in a complex, changing the sequence of programs in the complex and remove programs from the complex select **PROGRAMMING COMPLEXES** - the **Name** of the complex. To change the length of time select the desired time. The sequence of programs, change it by dragging the names of programs up/down. To remove unnecessary program of complex long press on the appropriate program and drag it appeared sign basket.

CREATING AND EDITING YOUR OWN PROGRAMS

To create and edit your own programs menu **PROGRAMMING** - Own program, click on the+ **to Create a program**, enter a name and save. The name of the program will be reflected in your list of programs in the menu **PROGRAMMING** - Own program, and the program will be added to the database of all programs in the category **MY PROGRAM** and will be available in the future, all profiles.

To add the frequencies of the own program of the **Programming menu** - Own programs, select it and click the **«+ Add frequency»**. Set the value of the frequency in Hertz (from 0.01 to 400000.00 Hz).

To delete an unnecessary frequency long press on the appropriate frequency and drag appeared in the basket.

To change the order of frequency, click and drag the frequency to the desired location.

To return to the previous menu, press **BACK**.

THERAPY

For the implementation of therapy after selecting the profile, click on the icon of the **THERAPY**. This display shows the

COMPLEXES for this profile with the indication of their duration and the impact method. Select the required **COMPLEX**. This display shows the program included in this complex, the total time of the complex, the type of radiation and modulation. To configure the settings of the therapeutic effects use the icon settings in the upper right corner.

There are the following options therapy:

- Contactless EM field 100% capacity.
- Contactless EM field 70% capacity.
- Contact way of influence by the hand of electrodes, connected to the corresponding socket of the device.

Select the desired type of therapy by moving icons. You can also adjust the duty cycle modulating pulses, discretely, 8 values(10%, 20%, 25%, 35%, 40%, 45%, 50%). Select necessary. Press **SAVE**. Parameters of the therapeutic effects will be saved for this set until You change. This way you can configure the settings for each set separately and save.

To initiate therapy click on the **START** icon. Will begin the process of therapy. In the course of therapy, the screen displays the name of the profile name of the complex, total remaining time of the complex with the countdown, the name of the currently executing program, the time remaining until the end of the executable program, the frequency of the modulating a carrier signal at the moment and icons of the intervention.

In the course of therapy on the side panel of the unit blinks led. To save battery power device can turn off the screen of the device briefly pressing the power button device. Or, the device itself will disable the screen after a certain time in relation to the General settings of the unit. To activate the screen press the power button and unlock the screen. To temporarily stop the process of therapy, press **PAUSE**. To resume the process of therapy, click **CONTINUE**. To turn off therapy, press **STOP**.

After the end of therapy hear the melody of the end of therapy and the display will turn on the device with an appropriate inscription. For other applications installed on the device as during treatment and without treatment fold program **BIOMEDIS** (see General instruction to the device).

Instruction for security measures and device maintenance

1. The device is made in accordance with the requirements for products with internal power source according to GOST P502 67.0-92. «On a way of protection against electric shock».
- 2 . The direct hit of water to slots and the BRT device connector isn't allowed.
3. In case of malfunction in the operation of the device, switch off immediately. Don't use the device with a clearly visible violations of his appearance (broken wire, broken casing).
4. Don't place the device next to the open fire sources.
5. Don't leave the device for a long time under direct sunlight.
6. Store the device out of reach of children.
7. Don't use this equipment in the bathrooms and wet rooms.
8. Application of the device of children is permitted only under adult supervision.
9. Don't place the device inside the microwave ovens.
10. Don't immerse the machine in water.
11. The device should be kept away from areas exposed to extreme changes in temperature (above 35 C and below 5 C), electric shocks and moisture.
12. Don't drop the unit on a hard surface, do not insert any foreign objects do not place heavy objects on it, and don't expose the apparatus of chemicals. Don't spray on the display and the phone body detergents and cleaning agents containing alcohol and ammonia.
13. Don't disassemble or attempt to repair the product yourself.
14. Make copies of the files stored in the phone's memory, because our company is not liable for any loss of such data.

15. When using manual electrodes-straps, the device must be disconnected from the external power grid.

Security measures in case of the handling of the sensor LCD display of the device

Screen touch the liquid crystal (LCD) display - a delicate device that needs careful handling.

- To clear the screen of the device, use only a soft cloth or wipes.
- Never spray on the display and the phone body liquids and detergents. Care apparatus don't use cleaning agents containing alcohol and ammonia.
- Only use specialized tools to clear the screen.
- Don't press on the touch panel strongly, it may damage the sensor layer.
- Don't use metal and other hard (acute) subjects for control apparatus, otherwise, it may damage the touch screen and crashes management functions.
- Don't leave the screen is under direct sunlight.

Security measures by operation with connectors

- Don't use force in case of connection to connectors of external devices. It can lead to damage of contacts.
- Don't allow hit in connectors of outside subjects, and also liquid and a dust. It can lead as to connector damage, and the device as a whole.
- Before installation be convinced that the plug is connected by the correct side. If necessary turn the plug.

Security measures in case of the handling of memory sticks

- Insert the memory card only in the correct direction. Do not force a slot machine. This may damage the slot and memory card.
- Don't expose the memory card slot foreign bodies, liquids and dust. This may lead to damage to the connector, and the phone in General.
- Before installation, check that the card is installed in the correct direction. If necessary, turn the card over.

- If you cannot install the card into the slot, make sure it conforms to the specification.
- If the operating system does not recognize the memory card, try to remove it and install again. Be careful to avoid touching the contacts. Static electricity can destroy data recorded on the card.
- Don't remove the memory card during operation (while reading, copying, playback files directly from the map). This can lead to loss of data or to the card inoperable.
- Don't use a memory card with at elevated temperatures.
- Keep the map from liquid or abrasive materials.

Operating instructions battery

For an output of the accumulator plant (further joint stock bank) on the maximum working power and capacity, in case of its first use it is necessary to discharge completely 4 times it and 4 times completely to load, that is sequentially to execute 4 full strokes of discharge and a joint stock bank charge.

Time of charging and recharge of joint stock bank depends on residual level of a charge, type and characteristics of used joint stock banks, a look and characteristics of the applied accumulator rectifier, ambient temperature and other factors. On reaching a total charge of joint stock bank the charge automatically stops. The manufacturer recommends to use in case of the first and the subsequent charges of joint stock bank the network accumulator rectifier (NAR), and from USB port of the computer to make charging or joint stock bank recharge only in some cases, as temporal or spare option. It is caused by that time of charging of joint stock bank from the computer can differ significantly on comparing over time its mains charger and the level of its charging can not reach the completeness, and sometimes not allow to make at all its charging that can affect negatively the general operational qualities of joint stock bank and periods of its service. The device operating time without recharge of joint stock bank depends on level of its charge, on type and characteristics of joint stock bank, functions and the modes used by a customer by operation of the

device, ambient temperature, correctness of introduction of joint stock bank in maintenance and other factors. In case of the correct maintenance of joint stock bank and average intensity of its use, service life of joint stock bank can reach till two and more years and 400 cycles of a discharge, however, it is necessary to consider that over time operability of joint stock bank gradually naturally decreases therefore it is loaded all more long and more long, and time of its operation without recharge is reduced. Is it normal.

Battery:

- Charge the battery at room or close to it temperature.
- When charging/recharging the battery charge the battery fully: incomplete charging reduces battery life.
- Don't recharge a fully charged battery, as this may reduce their capacity or damage. Also, don't charge the battery for more than 12 consecutive hours.
- During the current operation it is recommended to charge the battery only after appearing on the LCD display icon, the battery charge with one division, if you regularly charge a partially discharged battery capacity may be reduced.
- Don't leave the battery connected to a charger for longer than 12 hours, since overcharging may shorten the lifetime of the battery.
- Don't attempt to use the battery and power
- Technical specifications battery such that immediately after purchase or after long-term storage charge the battery immediately at full capacity is impossible.
- When a fully charged battery is not in use, it will discharge itself over time. If the battery has not been used for a long period, its capacity is reduced.
- Don't expose the battery to temperatures below -10 C or above +45 degrees C.

Precautions:

- Never use any charger or battery.
- Battery chargers and battery should only be used for their intended purpose.

- Don't disassemble, modify, or expose the battery and mains charger, and also cause a short circuit on their contacts.
- Don't cut, damage, splice, modify cable of mains charger or USB cable, and hold them or put heavy objects on them. Any such actions could cause a short circuit and cause fire or electric shock.
- Use only the established and approved by the manufacturer of battery chargers, cables. Any other use of parts, accessories and supplies, in addition to the included in the scope of the unit or approved for use with this equipment by the manufacturer may result in damage, injury and danger.
- Don't use batteries with expired life time (shelf life).
- Don't heat the battery or throw it into the fire - it may explode.
- Do not use the battery and charger in conditions of high humidity, such as in the bathroom.
- Do not drop the battery, and significant mechanical loads on the battery, which can cause damage to her hull. This can cause leakage of the electrolyte and lead to injury, damage or explosion of the battery and the unit.

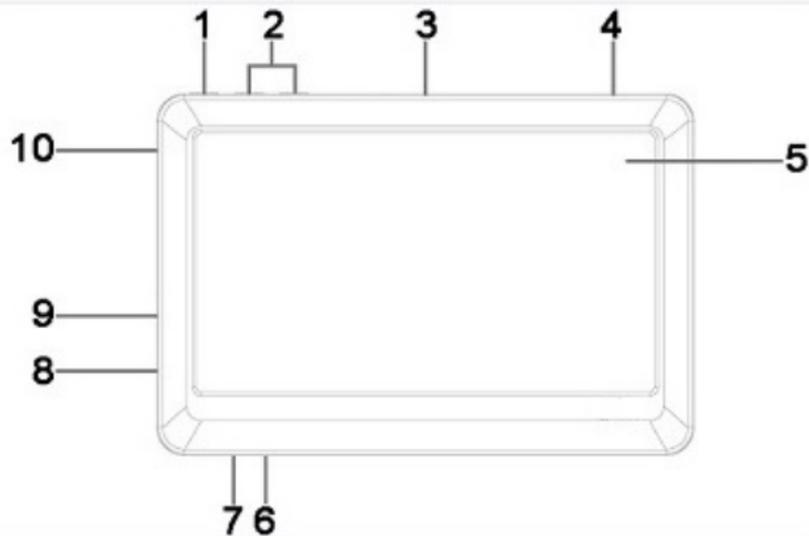
Technical characteristics

Overall dimensions (no more)	112 x 70 x 12 mm
The parameters of the signal therapy when you use manual electrodes:	
The amplitude of the signal (not more)	3,3 V
Waveform	Rectangular with discrete variable duty cycle 10 %to 50%
Frequency range	0.01 - 999999.99 Hz increments of 0.01 Hz

Parameters of the signal when using the EMF therapy	
Carrier frequency	20 – 30 MHz
Modulation type	amplitude modulation
Supply voltage	Internal lithium polymer battery 3.7 Century External supply of the 5th Century (USB)
Frequency range of modulating signals	0.01-99999.99 Hz increments of 0.01 Hz
Shape of the modulating signal	Rectangular with a variable duty cycle 10%to 50%
Tension of the electrical component of EMF not more	10 V/m
Tension of the magnetic component of EMF not more	0.3 A/m
Display	4,3 inches of TFT, 4:3, 480x272 px. Touch screen capacity 5point Multi-touch
Power supply	Li - Pol the accumulator
Slot for cards	microSD/SDHC to 32 GB
Data transfer type	USB 2.0, USB host
Operating system	Android 4.0.4
Processor	Boxchip A13, Cortex A8 of 1.2 GHz
Random access memory	512MB DDR3
Internal memory	4 GB

A supply of the device is carried out from an element of the supply meeting requirements of electrical safety of medical equipment.

Preparation for application



1	Button of switching on/switching off of a supply, display lock
2	Buttons of leveling adjustment of volume
3	Camera
4	Loudspeaker
5	Sensor display
6	Microphone
7	Button of reset
8	Connector for connection of an USB cable
9	Slot for microSD/SDHC-cards
10	Connector for external interface

Connector for connection of the external interface

Before the first use completely charge the accumulator plant.

ATTENTION!

Before charging of the accumulator plant attentively read the sections "Instructions for Device Maintenance" and "Instructions for Maintenance of the Accumulator Plant".

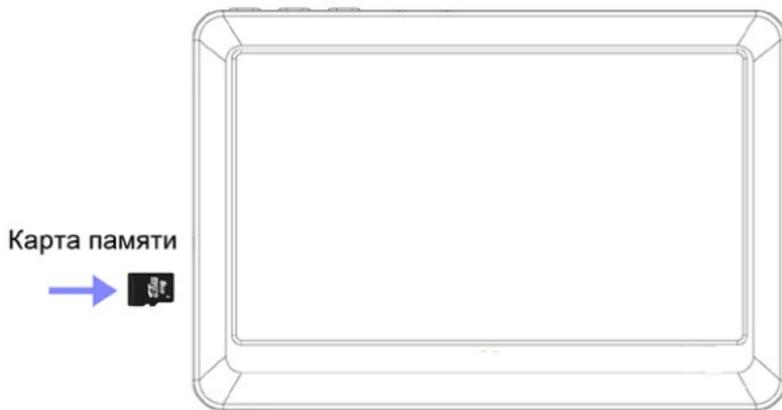
Connect an USB cable at first to the network accumulator rectifier (NAR), and then to the device. During charging the supply icon on the screen of the device will change on. It is possible to look at level of a charge of the accumulator plant having clicked the character in status bar.

It isn't recommended to disconnect the device from an USB cable until the battery won't be charged completely. On reaching a total charge of the accumulator plant process automatically stops.

Connection of the memory stick

ATTENTION! Before memory stick installation attentively read the section "Security Measures in case of the Handling of Memory Sticks"

The device is equipped with the slot for additional memory sticks of the microSD/SDHC format (Secure Digital Card). For viewing of files from the memory stick place it against the stop in the appropriate connector in the device casing, as shown in a figure.



Maximum amount of memory card - 32 GB.

If the card was installed correctly, the device will automatically detect its presence.

To safely remove a memory card, perform the following steps:

- 1) press  to go to the main menu;
- 2) click in  the top right corner of the screen;
- 3) in the «Applications» tab select the «Settings»;
- 4) select section «Device» - «Memory»;
- 5) click on «Remove the SD card, press «OK» to confirm and wait for the completion of the operation;
- 6) to remove the memory card, gently push it, the card is easy ejects.

Connecting this device to the personal computer

To connect to a PC, use a standard USB cable (supplied). Connect it to the PC and then to the machine. Click on the symbol in the status bar and select “USB connection”.

Click Enable USB mass storage.
Click “OK”.

ATTENTION!

This informational message is displayed only if the internal memory is currently being used by an application.

System requirements:

Operating system Microsoft Windows 2000/XP/Vista/7Linux Red hat 8.0 and later

Working with documents

In My computer, double-click the icon of the device. Use a removable disk device, it is possible the same way as a normal USB storage device. You can create and delete folders, copy files from your computer into the machine and back, and rename files.

ATTENTION!

To upload files to the machine must be one after the other in sequence. Don't use multi-threaded copy (multiple concurrent processes).

Switch-off from the computer

ATTENTION!

At all don't disconnect the device from the computer in the course of reading, record or deleting files. Disconnect the device from the computer only after data transfer completion.

Use an icon **"Safe extraction of the device"** on the PC task bar for device switch-off.

For device switch-off from the computer use the following methods:

Option 1. Switch-off with the help of **"Safe extraction of the device" Windows.**

- 1) Right-click on the icon located on a task bar.
- 2) Click a line of the appeared Safe Extraction of the Device menu.
- 3) In the **Safe Extraction of the Device** window press the Stop button.
- 4) Select a removable disk of the device and press the Ok button.

Now the device can be safely disconnected from the computer.

Option 2. Switch-off of a removable disk of **Android.**

Click "to Switch-off the USB drive".

For USB cable extraction accurately pull it on itself, the cable will easily be disconnected from the device.

Device maintenance

Power management

Press and retain the button within 3 seconds, on the display there will be a switching on picture. Loading can take some time.

In case of device switching on BIOMEDIS software automatically opens.

NOTE!

If the device is in sleep mode, briefly press the .

To turn off the power press and hold again .
Click **"Ok"** for supply switching off.

NOTE!

In case of a low battery power on the display there will be an information message **"Connect the Accumulator Rectifier"**, thus the icon of

the battery will change on . When the battery will be discharged

completely, the device will be switched off independently. Everything not saved data will be lost.

If the device doesn't turn on, doesn't respond to clicking of the sensor display or doesn't react to connection of the network accumulator rectifier, reboot it, having pressed a thin not sharp subject the button in **RESET** hole.

Blocking

For hibernate and lock the display briefly press the  . To

exit hibernate mode, again briefly press the button .  .

After power up, you must unlock the display. To unlock the touch display to a

symbol  and swipe right to symbol .

Choose the option to unlock the device in the section «**Settings**» - «**Security**» - «**Lock screen**».

- **No** - lock and protection are absent.
- **Scrolling** - protection is absent, thus it is possible to transfer to the principal screen or to pass to the last opened application.
- **The graphic key** - for an unblocking needs to be drawn the graphic key created by you.
- **PIN** - for an unblocking need to enter the code consisting of digits.
- **Password** - for an unblocking it is necessary to enter the code consisting of letters and digits.

ATTENTION!

If you forgot the unblocking password, it is necessary to reinstall the software (further a software) the device, thus, all data will be deleted.

Main icons of status bar

In the lower part of the screen there is a status bar where controls, area of system notification messages, the indicator of a battery power and hours are located.

Additional features of the device

- The slot for microSD/SDHC-cards
- Choice of a background of a desktop
- Formats of reproduction of the text: DOC, ZIP, TXT, PDF, FB2, EPUB, HTML, RTF, MOBI, PDB, TCR, CHM

- Saving/deleting tabs in the text
- Formatting of text files
- Full HD/1080p video playback: MKV, AVI, H.264, M2TS, FLV, MP4, MOV, MPG, WMV, TS/TP, VOB, M4V, 3GP, MPEG, WEBM (a sound only from the speaker)
- Support of subtitles: SRT, SSA, ASS, SMI
- Audio playback formats: MP3, WMA, OGG, AAC, FLAC, APE, 3GP, WAV (a sound only from the speaker)
- Reproduction of images in formats: JPG, BMP, PNG, GIF
- Adobe Flash Player support
- G-sensor (automatic turn of the image)
- Speaker, microphone
- Camera of 0,3 Megapixels
- Hours, calendar
- Mini USB 2.0 interface
- A supply from accumulator Li-Pol

Viewing of photos

You can view the images loaded in memory of the device or saved on the memory stick. Viewing is possible in a mode of manual browsing or slide-show.

Reading electronic books

To the road, for study or for operation now absolutely not necessarily to take heavy printing books. It is enough to load all necessary literature and to organize a private library on the device memory stick.

General view of a desktop

The desktop of Android OS consists of several screens. The principal screen is located on center, additional screens at the left and to the right of it. Any of screens can be organized at the discretion of the user. For switching between screens carry out on the display from left to right or from right to left.

Notification area

For transition to the menu of fast settings or viewing of system notification messages click status bar in the lower right corner. Further press



the button

Use sensor buttons for change of settings.

Installation of wall-paper

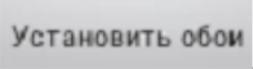
For installation of wall-paper of a desktop touch center of the

display and retain a finger within several seconds. On the screen there will be an auxiliary menu.

For a choice of own image for wall-paper of a desktop click **"Gallery"**. Select the image, set area of display and press the Frame button for change of the background image.

For installation of animated wall-paper click **"Live wall-paper"**.

Select animation and press the button . For installation of standard wall-paper click **"Wall-paper"**. Select the image

and press the button .

Alarm clock setup

For change of settings of an alarm clock touch an analog watch on the screen.

For creation of a new alarm clock click "To add an alarm clock".

All programs menu

To access the menu, All programs, click the button  in the top right corner of the screen

To view the applications/widgets use the **«Applications»** tab/ **«Widgets»** in the upper menu line.

Save/delete objects on the desktop

On-screen desktop can be placed before the icons of the installed programs, widgets folder to organize shortcuts, links to the websites of favorite music playlists and other objects.

To save an object to the desktop use the following guidelines:

1. Click in the button  right corner of the screen to enter the menu «All programs».
2. Click on the icon of the program that you want to move the Desk, and hold in for 2 seconds.

3. Drag icons, move it to a free place on the desktop.
4. Release the icon, it will be fixed on the desktop.

NOTE!

Move the new object to the desktop screen will be impossible if all the space is filled. Remove unused objects or add new object on the free desktop screen.

To delete an object from the desktop use the following guidelines:

1. Select the icon to delete, press it and hold for 2 seconds.
2. Without releasing an icon, move it to the upper part of the screen on an icon **"to Delete"** .
3. Drag icons, move it to the top of the screen on the Delete icon

NOTE!

To delete an object from the desktop will not remove it from the system. Any object can be restored to your desktop, using the steps listed above. The process of removing applications from the phone memory, see «Removing applications» (11.2).

Installing and removing applications

In addition to a standard packet of basic applications Operational Android System and the preset software, you can set the additional software. Programs can be installed from the memory stick.

Installation of applications

For independent installation of applications execute the following actions:

- 1 . Record the installation file (.apk format) on the memory stick or in an internal memory of the device.
- 2 .Open the file through a conductor and confirm installation.

NOTE!

For security purposes, the installation application is locked. Self-installation applications, activate the «**Unknown sources**» in «**Settings**» - «**Security**».

NOTE!

Additional applications can only be installed in the internal memory of the

device.

Removing applications

To remove an installed application, follow these instructions:

1. Press to enter  the main menu, press the button  in the top right corner of the screen. Next in the «**Applications**» tab, select «**Settings**».
2. Open the «**Device**», «**Appendices**».
3. Select the sorting applications (Third-party, on the SD card Working, All).
4. Select the application in the list and click on it.

5. Click the button  and confirm the action.

NOTE!

The applications which are a part of system is impossible to delete.

Device settings

For change of settings of a sound select "**Sound**".

For change of settings of the screen select "**Screen**".

For viewing of information on the volume of free/busy memory of the device, the connected memory stick select "**Memory**".

For viewing of information on a status of the accumulator plant select "**Battery**".

For viewing of information on installed applications select "**Applications**".

In more detail operation process with applications is described in the section "Installation and Deleting Applications".

Settings of personal data

For change of settings of safety select "**Safety**".

For change input settings and change the menu language select the Language and enter.

NOTE!

For setup of languages of the menu and the keypad press the

button  near the Keypad Android point. Select "Input language", disconnect "System language" and select necessary language of the menu and the keypad.

Further for fast changing of language of the keypad use button.

System settings

For change of settings of a date and time select "**Date and time**".

For setup of special opportunities of system select "**Special opportunities**".

For viewing of the detailed information about the device, select "**About the device**".

Dictionary of terms

Android OS – an operating system for the electronic devices, Linux based on a kernel.

APK (Android Package) - the file format, being a packet for application installation in Android OS.

Widgets (Widgets) – simple mini-programs which decorate a desktop and facilitate access to various information.

G-sensor – the sensor which defines situation and device relocation in space. It helps to expose horizontal or vertical orientation of the screen how you hold the device.

Transportation and storage conditions

The device in packed form can be transported in covered vehicles of any kind at a temperature from a minus 25 °C to plus 35 °C, with protection it from direct influence of an atmospheric precipitation, sunlight and mechanical damages.

Possible failure and methods of their elimination

The information below will help you identify and resolve the most common problems of hardware and software, you may encounter.

If you encounter the following problems should first try to solve them by yourself with the recommendations set out. If the above tips will not help, contact the support service of the Company BIOMEDIS.

Before you take any further action, check out:

- connect the power adapter to the power grid and to the apparatus;
- whether a faulty device after you disable all external devices;
- correct has been set up system.

If you make a mistake when setting up the device or are not sure in correctness of your changes, try to restore the original configuration of the system in the section «**personal data Settings**».

Problems	Probable causes origins	Decisions
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Device doesn't turn on	Rechargeable battery apparatus discharged. Apparatus need some time for recharging.	To charge the battery.
It is impossible to reproduce file.	Device doesn't play files of this format. File damaged.	Install the application supports the file format. Delete the corrupted file.
Display obscure information	Language is incorrectly selected interface. Software failure.	Select the necessary language Reinstall a software.
It is incorrectly displayed text information	Coding of the text file the incorrect.	Change the text coding. Use in the name of files, for ID3 tags other language (for example, English).
It is impossible data interchange with the computer.	Mode is not enabled exchange data.	Tap the message "USB connection is established in line status, and then click Enable USB storage device" (see item 8.3).
Impossible recording from the recorder.	Insufficient memory. Value the volume is not enough to the record.	Free memory by deleting unnecessary files. Make sure that microphone points towards the source of the sound. Increase the level of the volume.
In the Video mode not subtitles are displayed.	Function of subtitles is switched off. This video file doesn't contain subtitles.	Include display of subtitles in video file settings. Use files which support function of subtitles.

computer doesn't see device	USB port of computer issues inadequate nutrition. Operating system of computer is configured incorrectly.	Connect the player to another USB port or computer. Replace USB cable. Reinstall the operating system.
Device not recognizes a card memories.	The memory stick don't inserted against the stop or wrong side. Memory stick is damaged.	Make sure the card inserted the memory until it stops the correct side. Check operability on the cards the other device. Clean contacts of the card firm an eraser.
Doesn't work Automatic screen rotation.	Automatic turning screen off.	In the Setup menu item - "Screen" activate function "screen Autoturn".
Device not is not loaded from USB cable.	USB connector on the computer faulty or not connected; the value supplied for USB connector on the computer's current insufficient staff the battery charging.	Try to insert an USB cable in other USB connector of the computer; don't use for joint stock bank charging portable USB connector of the computer, which can't provide necessary for standard charging Joint stock bank charge current; make joint stock bank charging from the AC charger
Device don't loaded from USB cable.	The USB cable is damaged or connectors are faulty; the improper is used USB cable.	Replace an USB cable; Device loading from the AC charger

Device don't loading from the network accumulator rectifier.	Plug the AC charger not included in the socket 220 V; faulty socket 220 V; network socket 220 V is missing voltage; network settings socket 220 V is not correspond to GOST or specified values the work of the AC charger.	Insert the charger into a working outlet standard AC current of 220 V
	Damaged or defective mains charger, used wrong mains charger.	Replace the defective or the wrong charger other AC charger with nominal parameters 220/5 In, 0.15/1 A.
Device isn't charge from the AC charge and not from USB cable.	Poor electrical contact in the connectors on the device, mains charger, USB cable computer	Tightly connect the appropriate unit connectors, wall charger, USB cable, the computer; to try a few times to connect and disconnect the connectors between themselves.
	Defective or damaged of USB connector of the device.	Address in Service center for determination of a cause of defect and possibility of its elimination
	Address in service center for determination of a cause of defect and possibility of its elimination.	In accordance with the rules, set forth in this guide, make replacement Storage battery with a new one for the type/model of the device provides the possibility of its replacement

<p>Time of work device for accumulator batteries seem inadequate.</p>	<p>The device is used consumer workers settings or modes, increased or maximum energy consumption (high volume, high brightness display playback audio files display, long-term or permanent display illumination etc).</p>	<p>To conserve the battery energy and install use when using your device average and minimum values the volume, brightness, duration the backlighting and other energy efficient modes, setup and installation.</p>
	<p>Charging the battery was done completely.</p>	<p>Charge the battery to full charge. The duration of a full charge, the battery from the charger can't be less than 4 hours.</p>
	<p>Device and battery are operated at too high or too low ambient environment.</p>	<p>Store and use device and battery mainly at room temperature environment; consider that the operation of the device and the battery is too high or too low temperature environmental indicators battery performance may deteriorate significantly.</p>

<p>Charging the battery was made from the USB port a computer that is not provides necessary to charge the battery charging current.</p>	<p>Don't use the battery charging external USB connector of the computer if it doesn't provide required for battery charging current. In the case of from him charging the battery note that the time required to conduct the battery charging, can grow considerably in comparison with the time of its charge from the AC charger, and that the holding him charging can't afford to charge the battery at full power (capacity). Long-term use, USB connector PC to charge the battery performance and storage battery life time can be reduced. It is recommended to charge the battery from AC charger.</p>
<p>Battery has lost its efficiency due to the expiration of the term of its service, improper misuse commissioning.</p>	<p>Perform in accordance the rules set forth in this manual replacement of the storage battery with a new one if for the type/model of the Device provides the possibility of its replacement.</p>

Warranty

1. The producer guarantees the conformity of the device specifications subject to conditions of storage, transportation and operation.
2. Warranty period - one year from the date of purchase.
3. If you find any mechanical malfunctions of the device components «BIOMEDIS», have occurred not on fault of the user, the substitution is possible, as all of the device and its components.
4. Warranty does't cover the unit with traces of significant mechanical and chemical damage, violating the structural integrity of the device.
5. Warranty period is calculated from the date of purchase of your device or the date of receipt of the device by post.

Certificate of acceptance

Device is produced and accepted in accordance with compulsory conditions of the government standards, present documentation and recognized ready for operation.
Mark technical control.

МП _____
(personal signature) (signature decryption)
« _____ » 2014
(date of issue)

Warranty card 1

(It is filled with the seller)

Device **"BIOMEDIS"**

Seller _____

Signature

Sale date «__» _____ 2014

Stamp of trade enterprise:

It is filled in case of repair:

Performed operations on repair:

Performer _____

S.P. _____ Data

«__» _____ 2013 г.

The name and the address of the enterprise executing warranty repair:

SPK "BIOMEDIS"

105122, Moscow, Shchelkovskoye highway, 2A

ph. +7 (495)6468826 www.biomedis.ru

Warranty card 2

(It is filled with the seller)

Device **"BIOMEDIS"**

Seller _____

Signature

Sale date «__»_____2014

Stamp of trade enterprise:

It is filled in case of repair:

Performed operations on repair:

Performer _____

S.P _____ Data

«__»_____2013 г.

The name and the address of the enterprise executing warranty repair:

SPK "BIOMEDIS"

105122, Moscow, Shchelkovskoye highway, 2A

ph. +7 (495)6468826 www.biomedis.ru