

BionX Trading Ltd.

BION-X

Device for generating modulated
electromagnetic signals

Bion-X «Spirit»

USER'S GUIDE



Contents

Purpose
Description of the device
Preparation for use
Working with the device
Safety instructions
Specifications
Warranty

Contents of delivery

Device Bion-X "Spirit" - 1 pc.
USB cable - 1 pc.
User's guide (passport) - 1 pc.

Purpose of Usage

Bion-X «Spirit» is a device used to generate modulated electromagnetic signals. It is designed to adjust the natural radiation created by Nature and to which we are always exposed in a positive way, strengthening and synchronizing body functions and systems.

Bion-X «Spirit» is safe to use. Radiation from the device is natural for biological systems.

Description of the Device

The device is a transceiver of an ultra-wideband (UWB) electromagnetic field of low intensity, with adequate characteristics for the occurrence of stochastic resonance in the target. Unlike the previous version of BionX, the «**Spirit**» model is supplemented with new operating modes. There are 3 of them in total. (**1st mode**: "List of programs"). The parameters of the emitted field are set using a microprocessor depending on the selected program (15 programs calculated on the basis of brain rhythms). Due to the use of a UWB signal with noise-like (stochastic) modulation, a high efficiency of synchronization and correction of the body's natural radiations is achieved. **2nd and 3rd modes: (Audio Feedback mode and Electromagnetic Feedback mode).** Bion-X "Spirit" is a transceiver device that allows you to influence the functional state of the body using

BIOLOGICAL FEEDBACK (BFB). User interaction with the device using biofeedback can be carried out in two ways. In the first method, the user's own voice is used as a measured physiological parameter (**2nd mode: "Audio F.B."**), and in the second method, the electromagnetic field emitted by the device re-reflected from the body (**3rd mode: "EMF F.B."**). In both modes, the electromagnetic field emitted by the UWB device is used as a signal for correcting the functional state of the user. The target function is the user's **INTENT**.

The device is equipped with a bright 0.9" OLED display. Manipulations with the device are carried out by means of a touch keyboard with light feedback.

The device is powered by a built-in LiPo battery with a capacity of 900 mAh, which, if necessary, can be charged via the microUSB connector of the device. The accumulator provides continuous work of the device till 10 o'clock. As a charger, any 5 V AC adapter with a current of at least 500 mA with a USB connector is used. (Charger not included)

Preparation for use

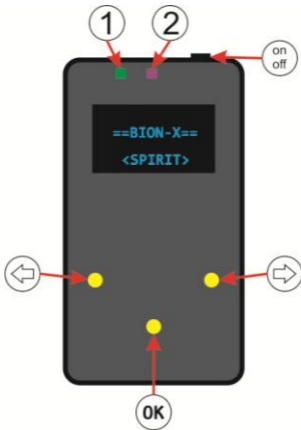


Figure 1. Front panel of the device.

- 1-Operating mode indicator
- 2- Charge indicator



Figure 2. Back panel of the device.

Check the operation of the device by turning on the power. To do this, press and hold the on / off button (Fig. 1) for more than 2 seconds. In this case, the main menu of the device will be displayed on the display (Fig. 3) and an audible signal will sound. To turn off the device, press and hold the on/off button for more than 2 seconds. A beep will sound and the appliance will turn off. Charge the device if necessary. If, after turning on the device, no actions are taken with it, then after one minute the device will turn off automatically.

Working with the device.

After turning on the device, the following information will be displayed on the screen: (Fig. 3).




To select the desired menu item, use  and  press .



Figure 3. Section "List of programs".

1. Section "List of programs".




The device contains 15 programs. After selecting the "List of programs" section, you can view the list of programs using the buttons  and  (Fig.5).



Figure 4. Icon for returning to the previous menu item.

The program names will scroll in a circle (Fig. 5), each time passing through the icon shown in Fig. 4. If you want to return to the main menu, press  while such an icon is displayed.

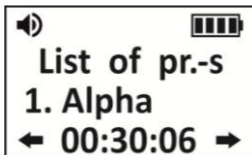



Figure 5. Displaying the list of programs.

Under the name of each program, its duration is indicated in the format **hours:minutes:seconds**

To start the therapy process after selecting

required complex press  .

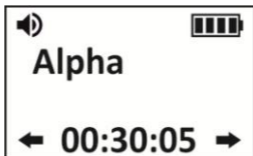



Figure 6. Program execution.

During the execution of the correction program (Fig. 6), the display shows the name of the program with a countdown of the remaining time. The operating mode indicator will also flash (Fig. 1). After the start of the program, if you do not take any action with the device, then after one minute, in order to avoid accidental pressing of the touch buttons, the keyboard will automatically lock and the display will reduce the brightness to a minimum. In this case, the blocking can be called forcibly by briefly pressing the on / off button of the device. Repeated short pressing of the on-off button will activate the display and unlock

the keypad for 20 seconds. To stop a program and return to the

program selection menu, use .

After the completion of the complex, the device will emit a sound signal and the operating mode indicator will stop flashing (Fig. 4).

If no action is taken at the end of the program, the appliance will switch off automatically after one minute.

2. Section «Electromagnetic Feedback».

Select the line "EMF F.B." in the main menu

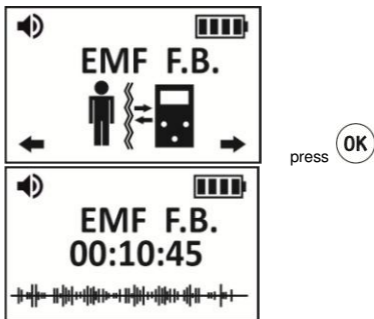
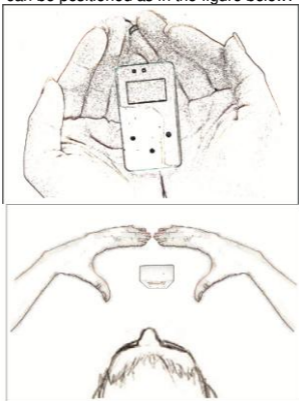


Figure 7. «Electromagnetic feedback» mode.

In this mode, the parameters of the signal emitted by the device are modulated by the complex physiological rhythms of the user's body due to the reflection of the signal from the body, which provides Biofeedback (BFB). In this case, it is desirable to place the device from yourself no further than 0.5 m with the back surface towards you. Also, the device

can be positioned as in the figure below.



It is necessary to take care that there are no other persons or animals in the room, as well as any moving or rotating mechanisms (fan, air conditioner, computer, curtains with an open window). Do not use the device in this mode if fluorescent lamps are used as artificial lighting in the room. During operation, the display will show the operating time of the device and an oscillogram of the process of interaction between the device and the user. In the process of interaction, the device will periodically adjust the parameters of its radiation in order to adjust to the changed parameters of the body. This will be accompanied by sound signals. If sound signals are emitted constantly, then it is necessary to change the location of the device relative to the body or change the location. A more detailed description of the operation of the device in the EMF F.B. mode. can be found in the guidelines. To stop

the instrument and return to the main menu, press



3. «Audio Feedback» section

Select the line "Audio F.B" in the main menu of the device

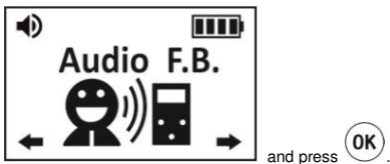
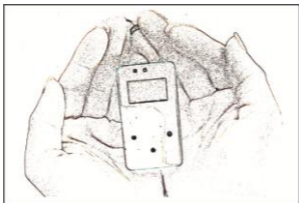
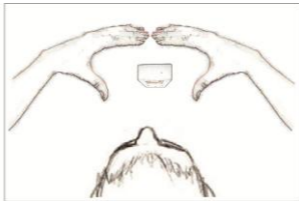


Figure 8. «Audio Feedback» Mode

In this mode, the parameters of the emitted signal of the device are modulated by the user's voice, which provides **Biofeedback (BFB)**.

Hold the device in open palms with the front panel towards you.





Or you can place the device on a hard surface in front of you with open palms behind the device. Next, you need to pronounce sounds or affirmations according to the methodological recommendations. The display will show the operating time of the device and an oscillogram of sounds. To stop the instrument and return to the main menu, press






4. Section "Turn on / off the sound"

Select the line "Sound On/Off" in the main menu of the device.



Figure 9. Turning the mode on and off.

Each press  will turn the device sound on or off. To move to other menu items, use  or .

5. Section "PC Connections"

For some service functions, the device provides a data exchange mode with personal computer. Select the line "PC Connect" in the main menu of the device.

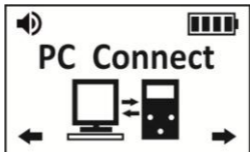



Figure 10. "Communication with PC" mode

Connect the device to the PC using the supplied USB cable and press



Figure 11. Establishing a connection with a PC.

When connecting the device to a PC for the first time, you must wait for the automatic installation of the device driver. This may take some time. After installing the driver, the display will show **Figure 11**. To return to

the main menu, use .

Charging the device.

The icon in the upper right corner of the display shows the battery level. If the battery voltage drops below the minimum allowable value, then the icon is displayed BLANK. In this case, in order to avoid turning off the device until the end of the therapy process, it is necessary to charge the battery. To do this, use a charger (not included) or a computer USB port. The course of the charging process is displayed on the battery icon in the form of a slider. And the charging indicator will also light up (Fig. 1). At the end of the charging process, the battery icon will be full. The device can be charged while it is in operation.

Safety instructions.

Do not allow water to directly enter the opening of the on / off button and the USB connector of the device. If you find any problems with the device, turn it off. Do not use the device with visible damage to its appearance. Do not place the device near open fire sources. Do not leave the device in direct sunlight for a long time. Keep the device out of the reach of children. Do not use the device in bathrooms or wet areas. The device may only be used by children under adult supervision. Do not place the device inside microwave ovens. Do not divide the device into parts. Do not immerse the device in water. Do not use the device in the presence of a pacemaker.

Specifications.

Dimensions 68 x 38 x17 mm

The type of emitted signal is ultra-wideband (UWB, UWB).

Signal power spectral density no more than minus 50 dB / MHz in the range from 500 MHz to 130 GHz

Type of modulation - noise-like

Supply voltage 3.7 V. Internal LiPo battery with a capacity of 900 mAh.

Warranty.

The manufacturer guarantees the conformity of the device to the specifications provided that the conditions of storage, transportation and operation are observed.

The warranty period of operation is one year.

The warranty period is calculated from the date of purchase of the device or the date of receipt of the device by mail.

In case of detection of mechanical malfunctions of the components of the device that occurred through no fault of the user, it is possible to replace the device.

The warranty does not apply to a device with traces of significant mechanical and chemical damage that violates the structural integrity of the device.

Certificate of acceptance

The Bion-X "Spirit" device is manufactured and accepted in compliance with mandatory requirements

state standards, current documentation and recognized as fit for use.

Technical control mark

SP

(personal signature) (signature transcript)

« _____ » _____ 2022

(release date)