APBEN

User Manual

Optoma NuForce *Bluetooth* BE2

In Ear Headphones

Regulatory model name: APBEN

Contents

WHAT'S IN THE BOX

BE2 earphones (with inline controller and microphone)	
Silicon tips (in L/M/S) 2 types of silicon tips Total of 6 pairs ear tips	
SpinFit TwinBlade tips (1 pair)	
Cable loop for adjusting the length of cable	
Pouch (Optional)	
Charging cable (Micro-USB)	
Basic user's manual	
Safety Instruction	

BE2 EARPHONES
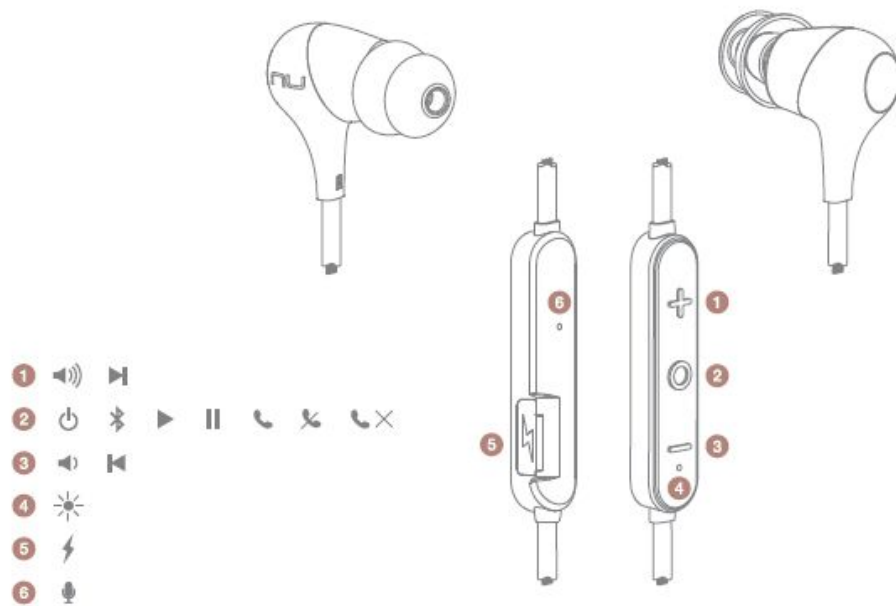
1. Volume Up Button
2. Power/Function Button
3. Volume Down Button
4. LED Indicator
5. Charging port
6. Microphone

The BASICS

Charging Your BE2

Although your BE2 in-ear headphones come with a partially charged battery, it is recommended that you fully charge your BE2 before first use.

1. Open the charge port cover on the in line controller.
2. The charge cable should be connected to the charge port and either to a PC or a dedicated USB charger.
3. When charging, the LED indicator is red.
4. LED Indicator turns blue once charging is complete.

NOTE: It takes up to 2.5 hours to fully charge the BE2.
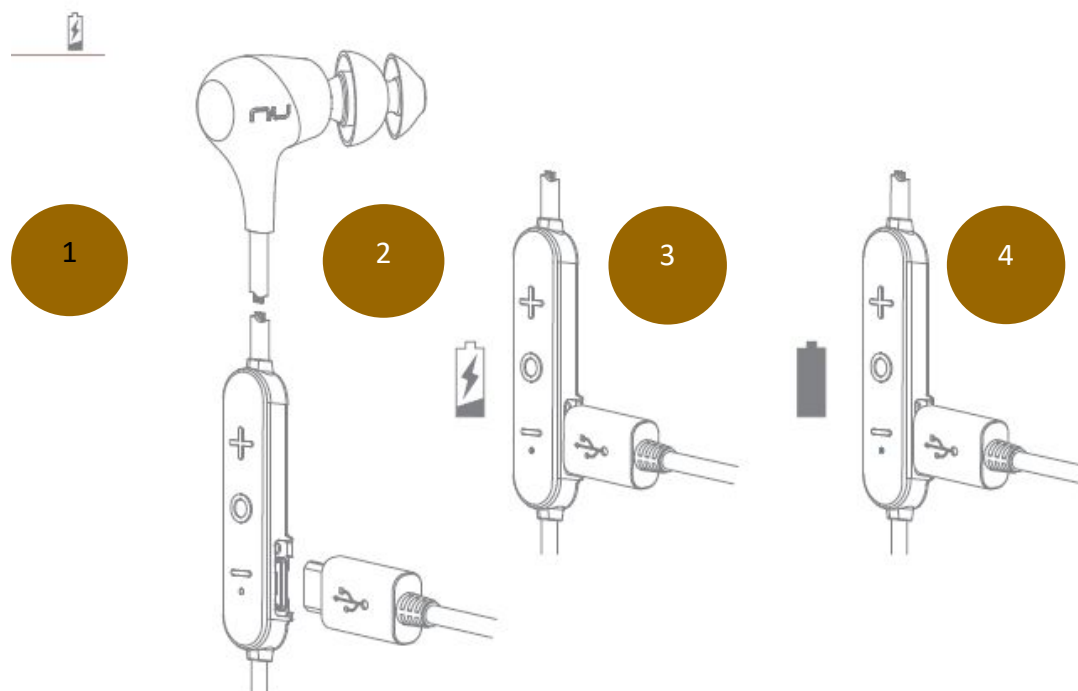
Checking Battery Level

You can check the battery level of your BE2 with the LED indicator

To check battery level:
1. Press the Power/Function, volume up, and volume down buttons simultaneously.
2. The LED indicator will flash red and blue simultaneously. The battery level will be indicated by the number of flashes, as described in the table below:

Number of Flashes Battery Level

Number of flashes	Voice prompts(enable)
2	Battery low
3	Battery at 50%
5	Full battery

NOTE: When the battery level is very low, you will hear a beep or a "Battery Low" voice prompt from your BE2 every 2 minutes when the estimated battery reserve remaining time is under 15minutes.
IN ADDITION:
1. *When the Voice prompts are switched off you will hear a beeping sound (A short double tone) every two minutes.*
2. *Users with iOS devices and some Android models will be able to view the battery status on their device's display*

*On some Android and all Windows operated devices you cannot check the battery level for your BE2 when you listen to music, in the middle of a phone call or in pairing mode.

Bluetooth Pairing
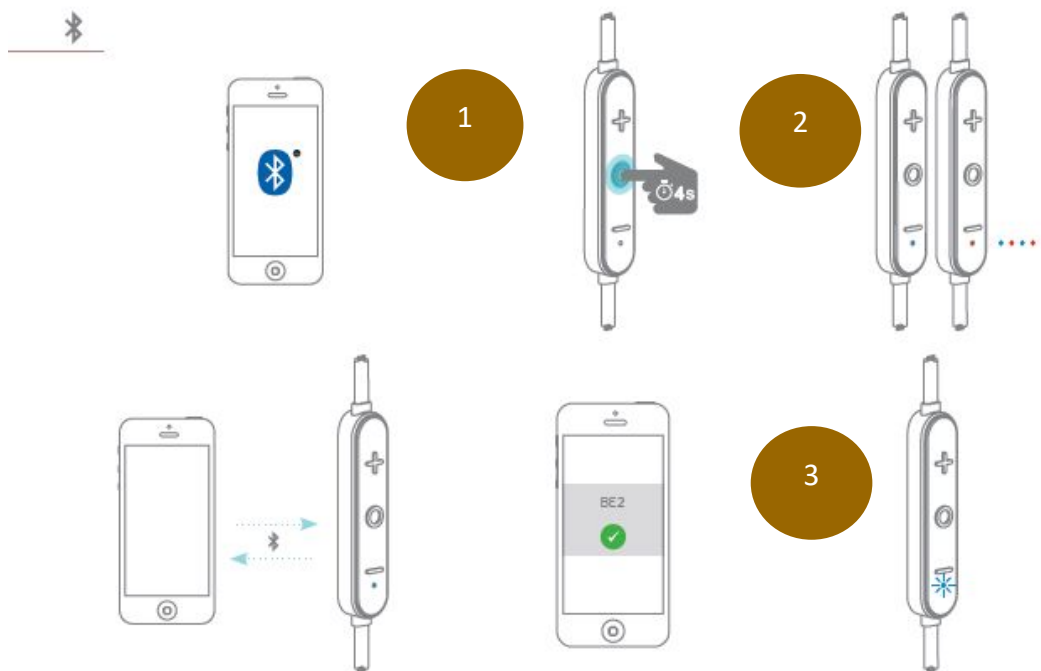
Using your BE2 for first time

Pairing BE2 with source device

    1. Press and hold the BE2's Power/Function button for 4 seconds until the LED indicator light flashes blue/red. Your BE2 is now in pairing mode.

    2. Turn on *Bluetooth*® on your source device, then select "BE2" once it appears on the device list.

    NOTE: Consult your source device's user manual for instructions on activating Bluetooth.

    3. Once successfully paired, the LED indicator will flash blue and you hear "Device connected" (when voice prompt enabled) from your BE2, or a beep if voice prompt is not enabled.

Please note:

   A. *You must always enter "Pair" mode from a powered-off state. Otherwise, pushing the Power/Function button for more than 4 seconds from a powered-on state turns the BE2 off.*

    B. *If left inactive in pairing mode, your BE2 will automatically power off after 3 minutes.*

    C. *Your BE2 can store pairing information for up to eight devices.*

To pair additional devices to your BE2 ensure that your BE2 is not concurrently connected to any device, then repeat the steps 1,2,3 outlined above.

In case where your BE2 have already stored pairing information for eight devices and a ninth device is paired, the stored information for the very first device will be deleted.

Power On/Power Off
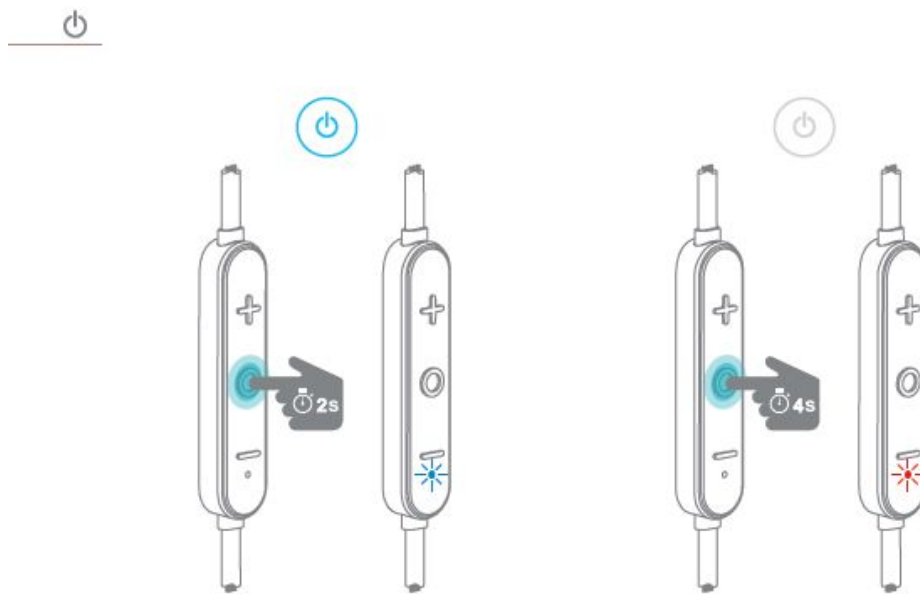
To power on your BE2, press Power/Function button for about 2 seconds until the LED indicator flashes blue and you hear the "Power on" when voice prompt is activated or a beep if the voice prompt is not used.

NOTE:

Once you have successfully paired the BE2 to a Bluetooth-enabled device, the BE2 will automatically connect with that device once it is powered on again. For more information check "Bluetooth Pairing" section.

If you have stored pairing information for multiple devices and more than one of those devices is Bluetooth enabled, the BE2 will automatically connect with the most recently paired device.

To turn the BE2 to OFF, push Power/Function button for about 4 seconds until the LED indicator turns red and you hear the "Power off" " when voice prompt be activated or a beep if the voice prompt is not used.
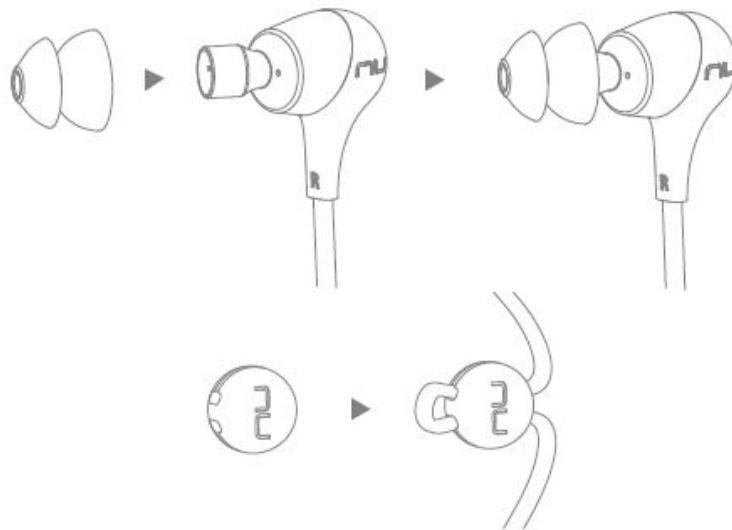
Wearing Your BE2

To ensure a secure and comfortable fit when wearing your BE2:
1. Select right size of ear tips and install tips on BE2.
2. Cable management is placed to ensure a better fit of cable length.

Magnetic caps at the end of the earphones let users lock the earphones together and secure them around user's neck for ease of use.

Handling Phone Calls

When your BE2 are connected to a *Bluetooth*-enabled smartphone you can handle your phone calls directly using your BE2 in ear headphones.

The followings describe phone call options:

Call option	Status	Action
Answer a call	Incoming call	Tap the Power/Function button
Decline a call	Incoming call	Press the Power/Function button for 2 seconds
End a call	In a call/outgoing call	Tap the Power/Function button
Redial the last number	Standby/connected	Double tap the Power/Function button
Mute on or mute off microphone	In a call/outgoing call	Tap the Volume Up and Volume Down simultaneously
Switching handset/earphone voice	In a call	Press the Volume Up and Volume Down buttons simultaneously for 2 seconds
Adjust the volume		Tap the Volume Up or Volume Down button
Activate Siri (iOS) or Google Voice Search (Android)	Standby/Connected	Tap the Power/Function and Volume Up buttons simultaneously

Listening to Music

You can enjoy and control Audio through the in line controller on your BE2.

Audio option	Action
Play or pause audio	Tap the Power/Function button
Skip to next track	Press the Volume Up button for 2 seconds
Play previous track	Press the Volume Down button for 2 seconds
Adjust the volume	Tap the volume up or volume down button

*Please note: when muting the BE2 or reactivating it from MUTE there will be a very slight delay

Pairing with a Laptop

The connection instructions below apply to owners of Windows 7, 8, 8.1 and 10.

1. Power your PC/Laptop
2. Find "Bluetooth Settings"
3. Switch your laptop Bluetooth to "On"
4. Turn the BE2 to "Pairing Mode"
5. When the BE2 is discovered by your laptop left click on "*Pair*"
6. Right click on the speaker symbol at the bottom right side of the screen
7. From the dropdown menu right click on the "*Playback Device*"

8. Please choose and right click the *"BE2 stereo ready"* (see image below text)
9. Click on HEADPHONES to set the "**Headphones** BE2" as default device
10. Press OK

Pairing with a Mac

The connection instructions below apply to owners of all current and recent iOS versions

1. Power your Mac
2. Open "System Preferences"

3. Click on the Bluetooth symbol
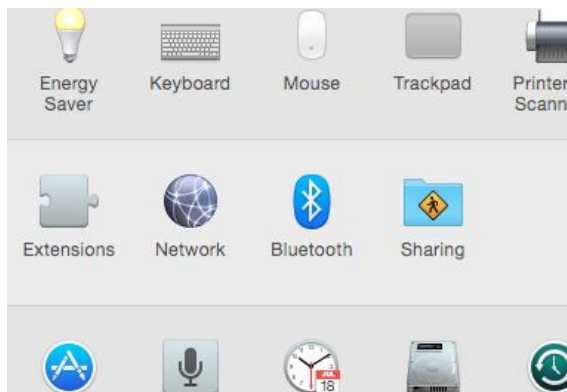
4. Turn the BE2 to "Pairing Mode"

5. When the BE2 is discovered by your Mac click on "*Pair*"

6. Your Mac is now ready to play audio via the BE2

MISCELLANEOUS

Restore Factory Settings

When you restore the BE2 to its factory settings, the paired devices stored will be deleted.

To restore factory settings:

1 Ensure that your BE2 are not connected to any device.

2 Put the BE2 in pairing mode.

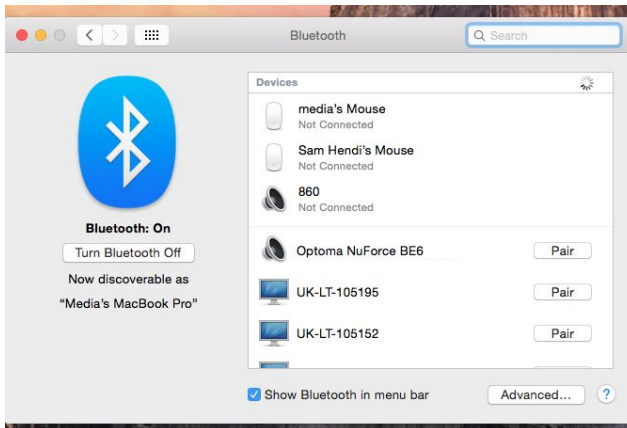**3** Press simultaneously the Power/Function, Volume Up, and Volume Down buttons for 2 seconds until the LED indicator flashes red five times and you hear five short tones from the BE2.

Because all pairing information is deleted after restoring factory settings, the BE2 will directly enter pairing mode once powered on.

Voice Prompts list

The BE2 are pre-loaded with English voice prompts

"Power On"

"Power Off"

"Full Battery"

"Battery at 50%"

"Battery Low"

"Device connected"

"Pairing Mode Activated"

"Voice Dial"

Disclaimer

Please be advised, the BE2 is equipped with the latest technology however functionality may vary by device.

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the

following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and

used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Specification

Connection type	Bluetooth 2.4Ghz
Bluetooth type	V4.1
Bluetooth profile	HSP 1.2, HFP 1.6, A2DP 1.2, AVRCP 1.4 , AAC,SBC
Codec	SBC, AAC
Cable length	580 +/- 20 mm
Driver Type	Dynamic
Driver size	6 mm
Impedance	16 Ohm
Battery life (estimated)	Up to 10 hours
Battery type	Lithium-ion battery, Cylindrical Type, Typical 3.7V/75mAh x2 pcs
Microphone sensitivity	-42 +/-3 dB
Frequency response	20Hz - 20kHz
Sensitivity	103dB +/-3dB at 1KHz
power consumption	15mA at A2DP mode, speaker output 75dB SPL
Range	Up to 10m
Weight	15 Grams