

# B-Bridge International, Inc.

## Description

This B-Cube BA-BCI-101 offers the latest innovation in Bluetooth technology. It collect brain wave and convert it to digital data, and send to receiver by Bluetooth link.

## Brain Athlete (BA-BCI-101) features

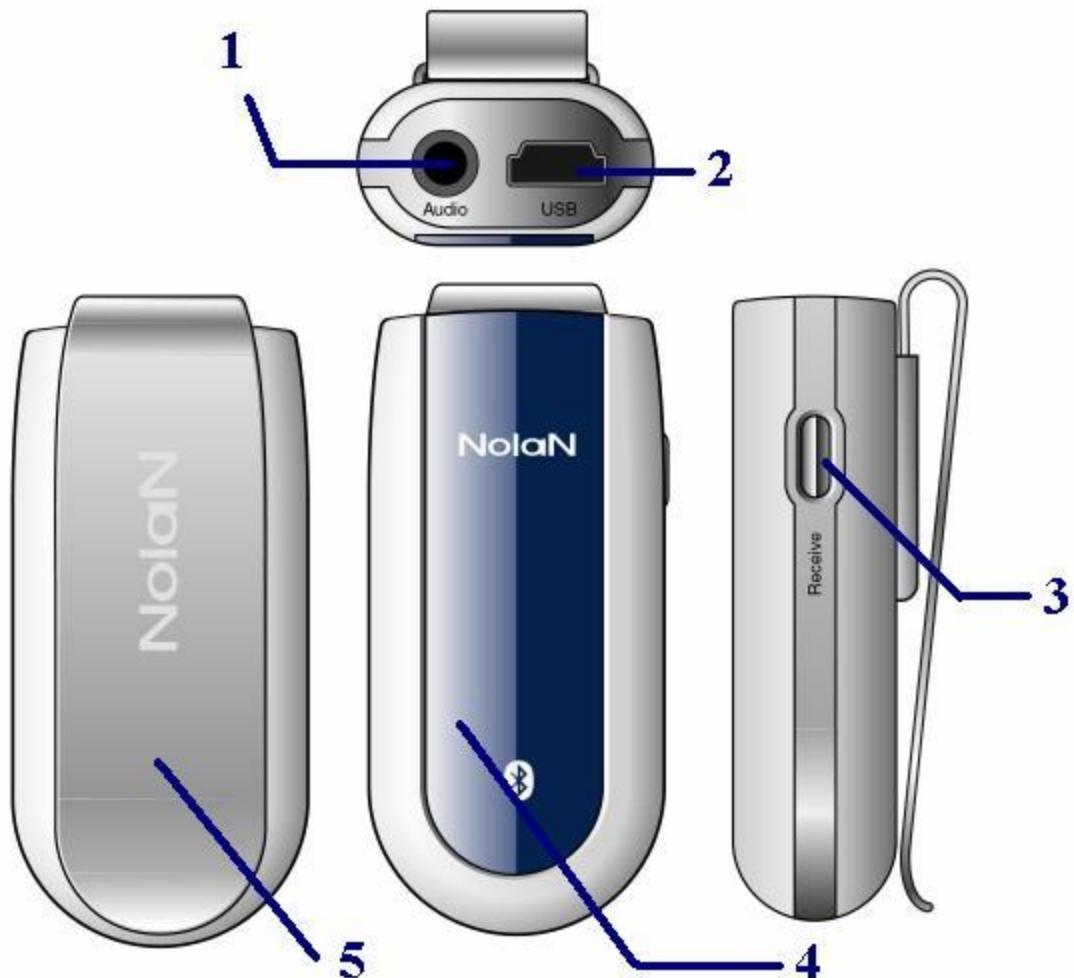


Fig 1

- 1 – Wires entrance for brain wave collecting probe.
- 2 – Mini SUB holder: Charging port.
- 3 – Push Button: Power on/off.
- 4 – Blue LED: Indicate BA-BCI-101 working state.
- 5 – Clamp

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## **Charging the BA-BCI-101**

The BA-BCI-101 comes with a build in high capacity Battery, and please let the Battery be fully charged before first time use.

### **Charge Battery**

1. 1. Connect the USB charging cable into BA-BCI-101 mini USB holder, refer to **Fig 1**. You can charge the Battery when the unit is off or during use.
2. 2. The blue LED stays on continuously without blinking. Once the Battery has been full charged, the blue LED will start blinking if the charging is happened during use, or the blue LED will stay off if the charging is happened in off state.

## **Turn on / off the BA-BCI-101**

### **To turn on the BA-BCI-101**

Press and hold the button for about 3 seconds, the blue LED will flash once. The BA-BCI-101 is now turned on and in pairing mode, the blue LED will blink in fast speed in pairing mode.

### **To turn off the BA-BCI-101**

Press and hold the button for about 3 seconds, the BA-BCI-101 is turned off after the blue LED stay on. Then release the Talk button.

## **Pair the BA-BCI-101 with Bluetooth enabled devices**

You need to pair the headset with the target device (PC or mobile phone) in order to get connection. Pairing is a Bluetooth function that enables Bluetooth devices to remain constant link to designate device.

### **Pairing BA-BCI-101 using SPP profile**

Pairing is the process of linking the BA-BCI-101 with your Bluetooth mobile phone or PC. Before you commence pairing the headset, ensure that the Battery is fully charged.

### **Pair steps**

1. 1. Turn off the BA-BCI-101 (refer to the turn on / off BA-BCI-101 section), and then turn on again. The BA-001 will goes into pairing mode automatically.
2. 2. The blue LED will blink in fast speed in paring stage.
3. 3. Turn on the mobile phone and place it within 10 feet to the BA-BCI-101.

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4. 4. Initiate the mobile discovery feature on the mobile phone. Refer to the mobile user guide for initiate this feature.
5. 5. The BA-BCI-101's Bluetooth name is “**brainwave\_headset**”
6. 6. Enter the default pin code “**0000**”, when the mobile phone system is request for password.
7. 7. When pair up with the mobile device, the blue LED will blink with a regular interval (middle speed)

## **Connect BA-BCI-101 to your paired device**

Choose connect to the SPP profile of “**brainwave\_headset**” on your mobile phone or PC, refer to the user manual for this feature.

## **Visual indication**

### **Fast speed blink**

10 times per second, the BA-BCI-101 is trying to pair/connect to another device.

### **Middle speed blink**

Once per second, the BA-BCI-101 is connected with another device.

### **Low speed blink**

Once per 5 seconds, the Rx is in idle mode, it's waiting for other device to connect to it.

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FCC warning: 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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.