

For users outside mainland China,
you can also watch the video tutorial by this link:
<https://api.macrotellect.com/api/tutorial?language=en>

Email: cs@macrotellect.com

Download the App

For users outside mainland China, Download the "BrainLink" Tutorial App from this official website link:
<https://api.macrotellect.com/api/appListView?language=en>

Connect to the App

BrainLink Pro uses Bluetooth 4.0 and doesn't require pairing with your phone/pad's Bluetooth.

- ① Turn on your phone/pad's Bluetooth.
- ② Turn on the BrainLink Pro's Core Module horizontally. Press and hold the power button until it vibrates, then release. The red and blue lights will flash.
- ③ Close all background apps on your phone/pad.
- ④ Open the BrainLink app. When the signal icon in the top right changes, you can put on the headband.

Tips

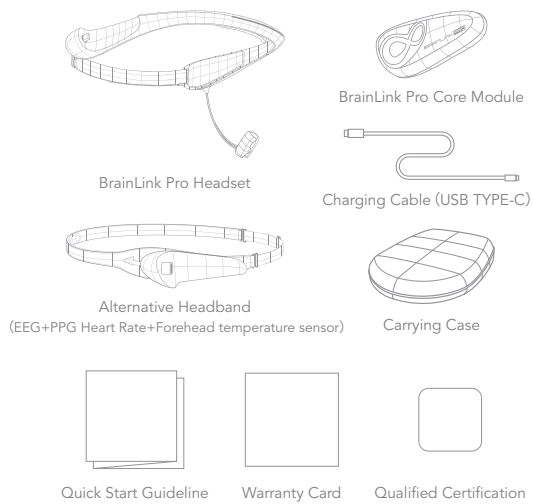
When switching to a different BrainLink app, close all other background BrainLink apps first, then open the new app to connect. This prevents the Bluetooth connection from being disrupted.
(eg. Before opened Basic Detection, close the Mind Fruit Bomb)

Understanding the Connection Icons

Open any official App, then turn on the Core Module; wait a moment and an icon will appear in the upper right corner of the App main interface to display the wearing and connection status of BrainLink device.

-  This icon means BrainLink Pro is not connected to pad/phone's Bluetooth.
-  BrainLink Pro is connected via Bluetooth, but not detecting brainwave signals. Please wear BrainLink Pro properly.
-  BrainLink Pro is connected, but the brainwave signal is unstable. Check if you're wearing it correctly. Make sure the sensors have good contact with your skin (not blocked by hair, sweat, etc.).
-  This icon means you're wearing BrainLink Pro correctly and it's working properly.

Package Items List:



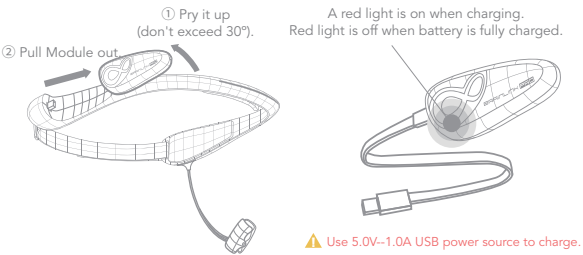
1 Charging

Please fully charge the BrainLink Pro before your first use.

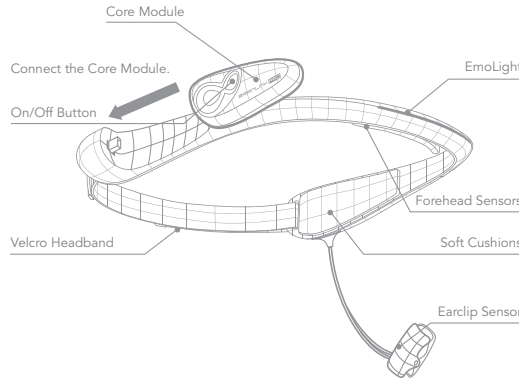
To charge, remove the key module from the headband base as shown below. Use the charging cable provided in the packaging.

While charging, the red LED light on the Core Module will stay on. It will turn off when fully charged.

How to Remove the Core Module:



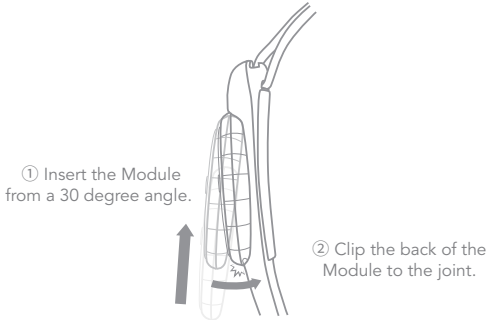
2 Assembling BrainLink Pro



Hard headband assembly (Step ①)

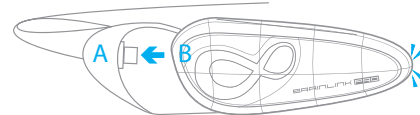
2 Assembling BrainLink Pro

Top View



Hard headband assembly (Step ②)

2 Assembling BrainLink Pro



Plug the data port B into data port A, and make sure the clips are locked.

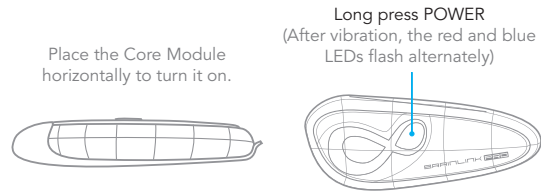
Soft headband assembly

3 Power Switch

To turn on the Core Module, place it horizontally as shown below. Press and hold the button with the logo until you feel 2 vibrations.

To turn it off, press the switch button briefly. You will feel 1 short vibration.

When using the soft headband, assemble it first before turning the key module on. Otherwise, the forehead temperature and heart rate sensors won't work properly.



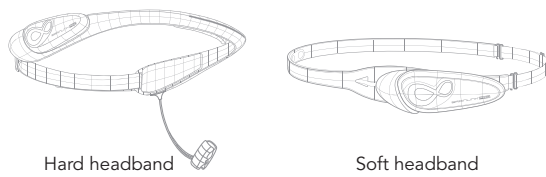
4 Putting on

BrainLink Pro comes with two types of headbands:

The soft headband has extra heart rate and forehead temperature sensors. It's more comfortable to wear for longer periods.

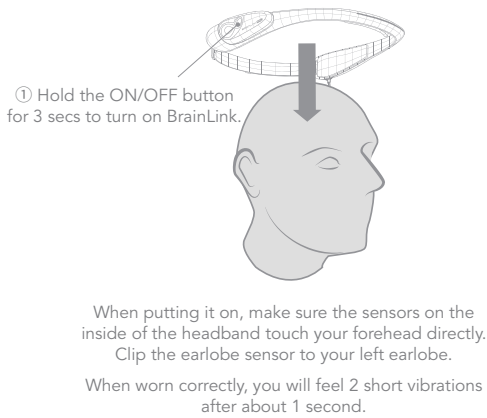
The hard headband has built-in EmoLight LEDs and earlobe electrodes. The lights change color based on your brainwave state. It provides higher sensitivity for more precise brainwave data, ideal for short neurofeedback sessions.

Insert the fully-charged Core Module into the base of headband. Adjust the headband size using the flexi band at back to fit your head.



4 Putting on (Hard headband)

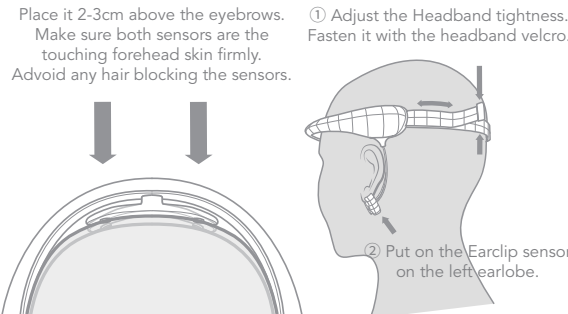
Put on BrainLink Pro from top.



4 Putting on (Hard headband)

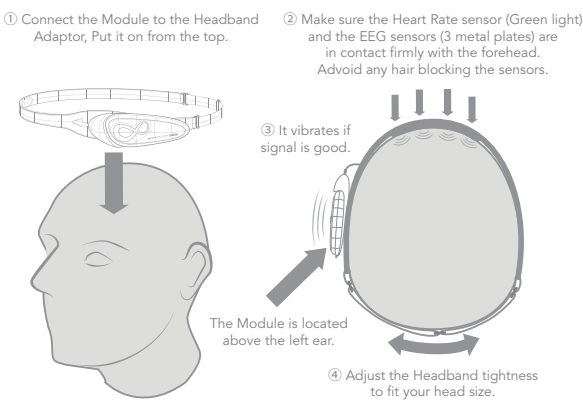
Top View

Reverse Angle



4 Putting on (Soft headband)

Top View



5 Technical Specification

Appearance & Material

Weight(g): 47-60
Net Weight(g): 61.8
Color: Black, Blue
Material: PC/ABS/TPU/Stainless Copper
Package size(cm): L25.5*W18.0*H6.0

Data Collection

TGAM chipset
RAW+eSense data
Baud rate: 57600
Socket: UART RS232
Dry electrodes x 3
2 forehead electrodes: EEG GND
1 earclip electrode: REF

Certification

Bluetooth SIG
FCC/CE/SRRC/RoHS
UN35.3 Battery
Apple Made for iPhone(MFi)
PCT patent/ Copyright trademark

5 Technical Specification

Compatibility

Bluetooth 4.0 EBR
Transmission Range(m): <10m
Platform: iOS/Android/Windows/Mac OS

Battery & Charging

Lithium: 3.7V 300mAh
Standby: 7-8hrs
Connected: 4hrs
Input: 5VDC/500mADC-1000mADC
USB powered (non-standard)
Charging time: 1hr
Low power checking: Battery display on Apps

6 Precautions

Electrical Safety: Please use a charger that supports 5V 2A output or a computer USB interface to charge the module.

Caution: Avoid bending the FPC electrode bar to prevent damage.

Cleaning and Maintenance: After use, wipe the electrodes with non-woven fabric or alcohol swabs.

Standard use: Do not wear the device on other parts of the body or other animals.

Risk of allergy: A very small number of users' skin may be allergic to sensing electrodes. If itching, redness or blistering occurs at the contact point during use, please stop using it immediately. The electrode itself is a neutral material and meets relevant safety standards.

7 Common questions

Q: Can the product collect my privacy information such as thoughts and memories through EEG data?

A: This product analyzes basic brain physiological state information through EEG and cannot resolve users' thoughts and memories. There is no relevant privacy risk.

Q: Will the product send data to the brain and have adverse effects?

A: This product is an EEG receiving device, which will not send any information or instructions to the brain and will not have adverse effects on the brain. If you feel swollen during use, please adjust the tightness of the headband appropriately until you feel comfortable.

Q: Why does the device's Bluetooth connection fail?

A: Ensure there are no other strong Bluetooth signals interfering in the vicinity, and previously paired devices are switched off. If multiple compatible applications are open while using this

7 Common questions

device, please clear unused applications from the system's multitasking menu. For specific operational guidance, contact your mobile device's manufacturer.

Q: How to improve concentration and relaxation level?

A: For concentration, please find a focus target in a calm mood and concentrate on this target, keep focused. You can try to calm yourself down by adjusting your breathing first, then staring at a target or humming your favorite song in your mind; for relaxation, please also empty your body and mind in a calm mood, don't think about things that will make you irritable or stressed.

Q: Does the product support third-party application development?

A: Yes. We can provide SDK tools for common platforms for third parties to use for free. Users who need it can contact our staff through email cs@macrotellect.com, or visit our company's official website o.macrotellect.com homepage to obtain corresponding SDK in "Developers" column.

8 Customer Service Support

Phone contact: 400 860 2689
Email: cs@macrotellect.com
Manufacturer: Shenzhen Macrotellect Ltd.
Made in Shenzhen, China

BRAINLINK PRO

Quick Start Guideline
V 4.0