

Soulink User Manual

Overview

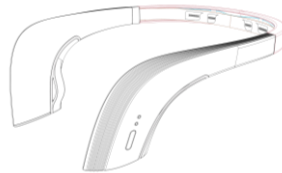
Thank you for purchasing the Soulink headband developed and manufactured by Neural FLEX. This 4 channels EEG (electroencephalography) headband measures pre-frontal brain signals and transmits collected data to mobile devices via Bluetooth, giving you continuous and real-time feedback in the dedicated App.

This manual describes the specifications, communication configuration, typical application of the product. Before using this product, please read this manual carefully to fully understand the features and precautions of the product and ensure safe use.

The information in this manual is subject to change without notice. You can acquire the latest manual at www.neu-flex.com

1. Product Information

What's in the box?



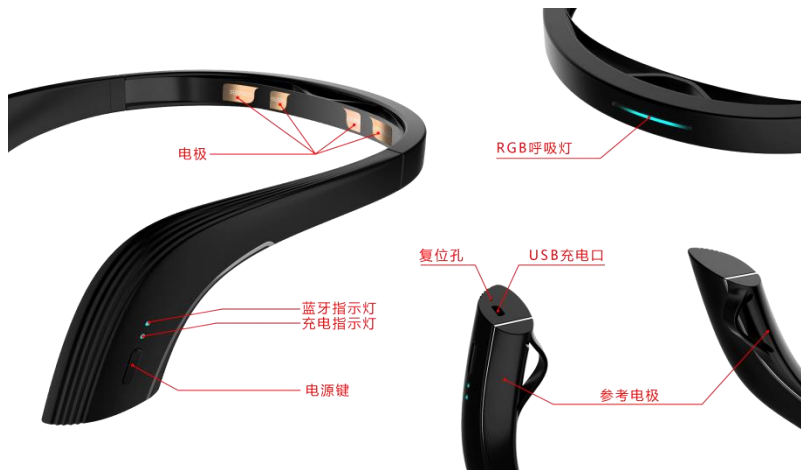
- Soulink headband



- Universal micro-USB cable
- User manual
- Alcohol wipes

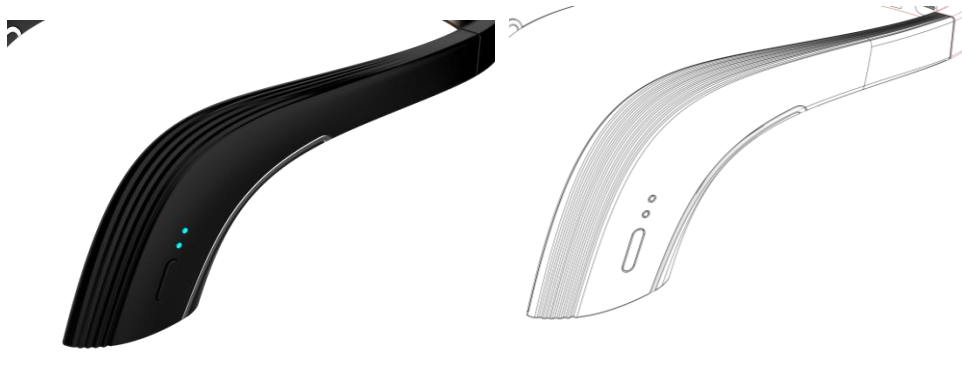


- Eject pin



- ① Power button
- ② Bluetooth indicator
- ③ Power indicator
- ④ Electrodes
- ⑤ RGB Breathing Module
- ⑥ USB Charging port
- ⑦ Reset button
- ⑧ Reference electrodes

2. Communication Configuration



Step 1: Turn on the device

Short press the power button until you see a flickering blue LED light indicating power on.

Step 2: Enable Bluetooth

Turn on your mobile device. Go to Settings and turn on Bluetooth.

Step 3: Pair Soulink with a device

Wait for the name of your headband to appear on your Bluetooth menu, and then tap it. The headband is connected to the mobile device when the blinking blue LED light turns to stable blue light.

3. Prepare to use

Step1: Pair your headband with a device

- Step2: Clean your forehead and skin behind ears with an alcohol wipe;
- Step3: Put on the headband like a sport headband, make sure the reference sensor touches your skin instead of hair.
- Setp4: Launch the dedicated App and start tracking your brain signal.
- Step5: Short press the power button and turn off the headband after use.

4. Other Functions



LED indicator



Ready to pair: The blue light blinks with 0.75s intervals

Connected to a device: Stable blue light

Battery is low: The blue light flashes 3 times with 0.2s intervals

Charging: Stable red light, the light will go off after fully charged



RGB Breathing Module

Breathing green light: Calm

Breathing blue light: Meditation

Breathing red light: Focus

Blinking red light: Measuring impedance

Stable green light: Successfully setup

5. Technical Specification

Technical parameters	Details
Size	58*22*13.5mm
Weight	70g
Battery	Lithium power supply, 3.7V/120mah, 1-1.5 hours charging time, 4 hours battery life, 6 months standby
Support systems	Windows (7/8/10), Mac (macOS 10.8 or higher), iOS (iOS 8 or higher) and Android (Android 5.0 or higher)
Range of	10 meters

Bluetooth	
Sensors	4 forehead dry electrodes, 2 Reference electrodes
Bandwidth	24 bit
Sampling rate	200 Hz
Operating Temperature	0-40 °C (32-104°F)

6. Download the App

Please visit our website and find all the download files including the dedicated Apps.

Website: <http://www.neu-flex.com/app/download>

You can scan the following QR code and you'll be directed to our website.



7. Special Notes

Safety operation

- 1) This product is non-waterproof, please prohibit the use or storage in the humid environment or underwater.
- 2) Prevent prolonged exposure to sunlight. Do not use or wear this product under high temperature environment for a long time.
- 3) Keep away from oil, water, and corrosive substances
- 4) Unauthorized disassembly would affect after-sales maintenance.
- 5) Handle gently and avoid dropping and sudden impact.
- 6) Please charge with a standard 5V charger.

Operation cautions

- **Placement:** The headband is designed to be flexible to fit into different head shapes, but still, it should be protected against excessive stretching or bending to prevent unnecessary distortion or damage. If not used for a long time, please place the headband in the original package for better protection.
- **Allergic to metals:** The forehead electrodes are made of compound metal material, which might probably induce skin allergies symptoms for sensitive skin. If you have an allergic history to any sort of metal, please use with caution.

- **Bluetooth:** During use please make sure your headband is within the range of Bluetooth connection (10 m), and there are no obstacles between your headband and the connected device, including the human body, walls, corners, etc.
- **Cleaning and maintenance:** Turn off the headband, and disconnect connections and cables from other devices before cleaning and maintenance. You can clean this headband with a disposable alcohol wipe or a soft dry cloth. Do not use other chemicals or detergents to clean this product. Do not use sharp objects such as blades or pins to rub delicate parts such as the forehead electrodes and reference electrodes to avoid scratch or damage.

8. Warranty Agreement

The warranty period of this product is 12 months (subject to the information indicated by the purchasing date on the order, please provide serial number of the product on the package when the warranty is provided).

During the warranty period, Neural FLEX will be responsible for free maintenance (not including component replacement) or replacement (within seven days of your product delivery date) if the product fails or is damaged under normal use in accordance with the user manual.

Within the warranty period, maintenance will be charged for the damages due to lack of protection or improper use and unauthorized disassembly, repair, or modification.

For detailed terms of service and legal disclaimer of this product, please refer to the website: www.neu-flex.com/legal

The version of the limited warranty card coming along with the package is the warranty version of the product you purchased.

You are assumed to agree on the terms and conditions of this warranty agreement by purchase of the product. This agreement shall be interpreted by Neural FLEX Technology (Shenzhen) CO., LTD.

If there is any problem during the service, please contact us by the following information.

Contact us

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- Soulink is a registered trademark of Neural FLEX Technology (Shenzhen) Co., Ltd.
- Bluetooth® is a registered trademark of Bluetooth SIG, Inc. worldwide.

Caution

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.

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

This equipment should be installed and operated with a minimum distance of 0mm between the radiator and your body.

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.

1. The product shall only be connected to a USB Micro interface of version 2.0 or higher.
2. Adapter shall be installed near the equipment and shall be easily accessible.
3. The operating temperature of the EUT can't exceed 40°C and shouldn't be lower than -20°C.

4. The plug considered as disconnect device of adapter.

5. The device complies with RF specifications when the device used at 0mm from your body.

Hereby, Shanghai Xiaoyi Technology Co., Ltd. declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU. This product is allowed to be used in all EU member states.

