

Neurovista

Product Manual

Version: V1.0.0



Neurovista

1. Read before use.

Dear customer,

Thank you for purchasing our product. Please read the contents of this instruction manual carefully before using it to ensure proper usage and a thorough understanding of related warnings and risks. This manual is provided as a reference guide for operating, maintaining, and repairing this product and should not be used for any other purpose. Shenzhen FlectoThink Technology Co., Ltd.(hereafter referred to as "the Company") assumes no legal responsibility for any malfunctions or accidents caused by failure to follow the instructions in this manual.

Precautions

1. This product is not a medical device, and the health data, results, suggestions, etc., provided are for reference only and should not be used as a basis for diagnosis or treatment.

2. Please ensure that you have read and understood the product manual thoroughly before using this product and follow the instructions correctly.

3. When using this product, maintain a comfortable and relaxed state, avoiding excessive physical activity, tension, or anxiety.

4. Ensure proper connection between the device and sensors to ensure accurate data collection.

5. Do not attempt to replace or modify internal components of the device unauthorized, as it may result in damage or malfunction.

6. Do not use the device together with other equipment to prevent interference with data collection.

7. Avoid exposing the device to high temperatures, humidity, or direct sunlight during use.

Safety warning

1. The electrodes of this product should be properly placed on the user's forehead, following the correct operating procedures and hygiene standards to prevent cross-contamination and other hygiene issues.

2. Avoid using this product in environments near magnetic or high-frequency interference sources to prevent interference or damage to the equipment.

3. If you experience any discomfort during or after use, discontinue use and consult a doctor.

4. This product contains a lithium battery. Do not disassemble, modify, immerse in water, or expose it to fire, as it may cause damage or explosion.

5. Store this product properly to protect it from magnetic fields, high temperatures, humidity, etc. Do not allow it to come into contact with liquids or other substances to avoid affecting its functionality.

6. Due to the inclusion of a lithium battery and circuit board, for environmental protection, dispose of the product separately from household waste at the end of its service life. Hand it over to qualified professional institutions or recycling centers for dismantling or recycling.

7. As this product reports sleep conditions and body movements of the wearer, the collected data may involve personal privacy. Please securely store the device and the account and password for the network services. The company shall not be held

liable for any loss or inappropriate use of data resulting from loss or improper storage.

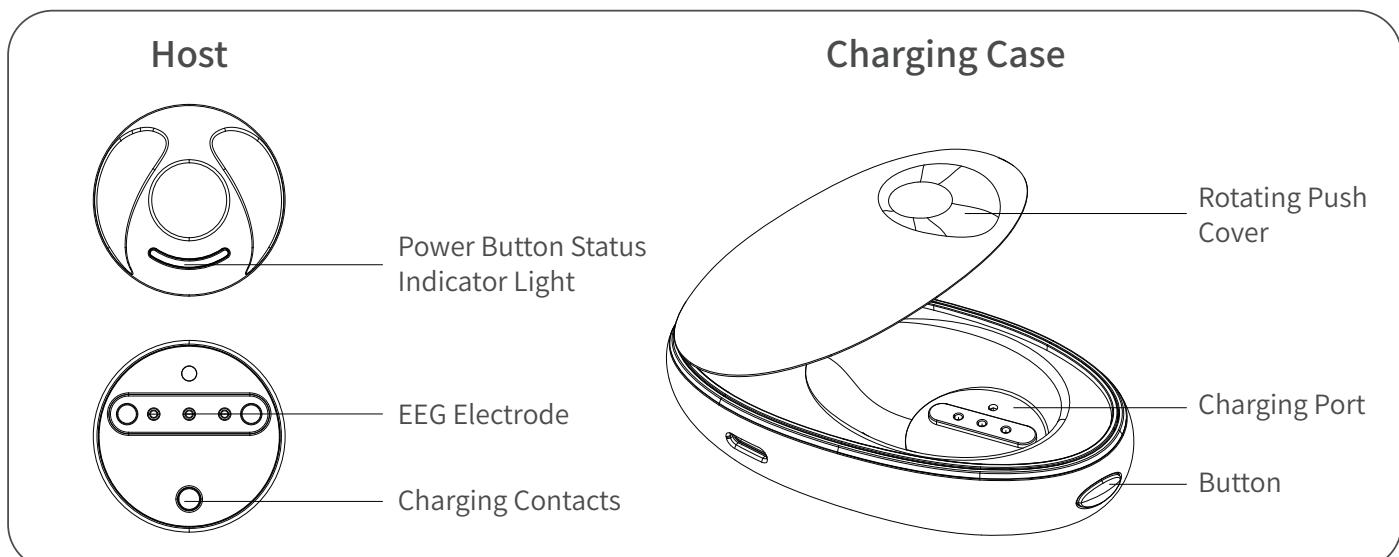
8. Due to the small size of this product, do not allow infants or young children to play with or use it. Keep it out of reach of infants and young children to prevent accidental swallowing.

Operating, Transportation, and Storage Environmental Requirements

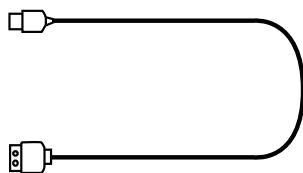
Environmental Conditions	Operating Environment	Transportation	Storage
Temp Relative Humidity	Environmental temp: 5°C to 40°C Relative humidity: 15% to 75%, non-condensing	Environmental temp: -5°C to 35°C Relative humidity: 15% to 75%, non-condensing	Environmental temp: -5°C to 35°C Relative humidity: 15% to 75%, non-condensing
Atmospheric Pressure	70 kPa to 106 kPa	70 kPa to 106 kPa	70 kPa to 106 kPa

2. Product Basic Information:

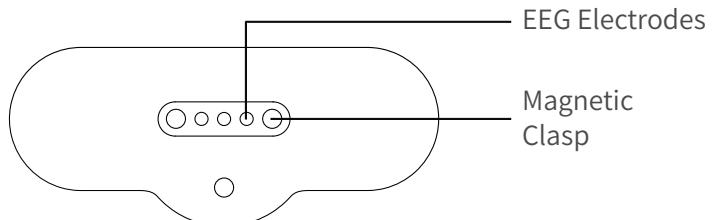
Product Composition Diagram



Charging Cable



Brainwave Sensor



Product Principle

This product acquires single-channel EEG (electroencephalogram) signals through electrodes and obtains positional and head movement information through built-in motion sensors. The data is then transmitted via low-power Bluetooth to a device (such as a mobile phone) with data collection software installed for recording. The collection software utilizes the device's built-in microphone to capture ambient sounds, identify and record user's snoring. Based on the received EEG data, motion sensor data, and snoring data, the collection software generates a sleep report.

Specifications

Product Name: Neurovista	Model: BM05
Host Dimensions: D26x11.8mm	Weight: Approx. 5g
Host Charging Method: Contact Charging	Charging Rated Input: 5V/500mA
Host Battery Life: >10 hours	Host Charging Time: Approx. 30 mins

Product Name: Charging Case	Charging Case Charging Method: Type-C
Charging Case Dimensions: 92.4x45.8x30.9mm	Rated Capacity: 400mAh
Charging Case Rated Input: 5V / 2A	Charging Case Charging Time: Approx. 60 mins
CMIIT ID: 2023DP11330	Product Production Date: Refer to packaging label

Function Specifications

This product can achieve the following functions:

Function Name	Supported Model	Function Description
Forehead EEG Collection	BM05	Monitor and record EEG data during sleep
Body Position and Movement Analysis	BM05	Monitor and record body posture: upright, left side lying, right side lying, supine, prone, and head movement amplitude and frequency
Sleep Analysis	BM05	Perform sleep stage monitoring and automatically classify wakefulness, rapid eye movement (REM) sleep, light sleep, and deep sleep
Snoring Detection	BM05	Analyze the frequency, loudness, and duration distribution of snoring episodes

3. Package Contents

Name	Quantity	Expiration	Note
Host	1 unit	3 years	
Charging Case	1 unit	3 years	
Type-C Cable	1 cable		

User Manual	1 booklet	Includes warranty card and certificate of compliance
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Reusable Consumables

Reusable EEG Sensors	To be used in conjunction with single-use hydrogel patches, separate purchase required after use	
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Disposable hydrogel patches	Single-use	Separate purchase required after use
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Disposable Consumables

Disposable EEG sensors	Single-use	Separate purchase required after use
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*Actual shipment may include either reusable or disposable consumables

4. User Manual

Device Indicator Light Explanation

- a) White Light: Working/Connection Status
- b) Blue Light: Battery/Charging Status
- c) Working Status: White light stays on, automatically turns off after 2 minutes.
- d) Waiting for Connection Status: White light flashes.
- e) Charging Status: Blue light stays on, white light turns off.
- f) Battery Fully Charged Status: Blue light turns off, white light turns off.

Indicator Lights	White Light	Blue Light	Status Description
Device Running	Steady On	--	Stays on for 2 minutes after successful connection, then turns off
Device Not Connected	Slow Blink	--	Continuously blinks for 15 minutes when not connected, then enters sleep mode
Charging in Progress	--	Steady On	Device is placed in the charging case and is charging

Indicator Lights	White Light	Blue Light	Status Description
Charging Completed	--	--	Device charging is completed, blue indicator light turns off

Power On/Off

- a) Remove the device from the charging case. A blinking white light indicates successful device power-on.
- b) Place the device back into the charging case. A solid blue light indicates that the device is powered off and charging. The light will automatically turn off once the battery is fully charged.

App Access and Operation

- a) Search for the "Neurovista" app on your mobile device and download/install it.
- b) Open the mobile app. If you are a new user, select "User Registration" and follow the instructions to set up your account and password. Complete the registration process.
- c) After registration, on the login screen, enter your designated account and password to log in as a user.
- d) If you forget your password during the login process, tap on the "Reset Password" option on the interface and follow the app's instructions to set a new password.



APP Download



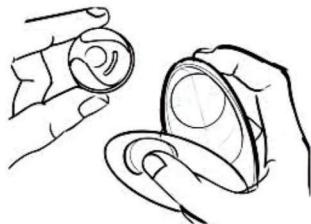
Video Tutorial

Connecting Mobile Terminal to the Device

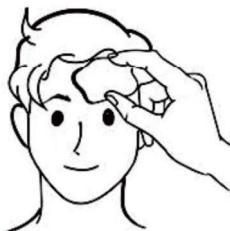
This product connects to the mobile terminal via Bluetooth. Follow the steps below to establish the connection:

- a) Turn on the Bluetooth on your mobile device (some mobile terminal systems require enabling location services to access the Bluetooth functionality).
- b) Follow the instructions in the app to connect the device after logging in.
- c) Once the connection is successful, the device indicator light will remain solid white.
- d) If the connection fails, refer to the "Troubleshooting" section in this manual for common issues and solutions.

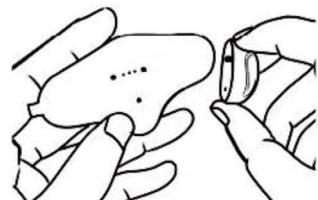
Device - Monitoring Operation Steps



Step 1: Pre-use Confirmation
Ensure that the main device has sufficient battery power.



Step 2: Clean the forehead skin before wearing. Prior to wearing, clean the skin on the forehead.



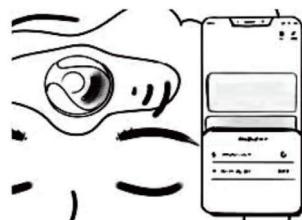
Step 3: Connect the magnetic adhesive part of the forehead patch to the magnetic part of the main device.



Step 4: Remove the release liner to expose the gel part. Peel off the release liner to reveal the gel portion.

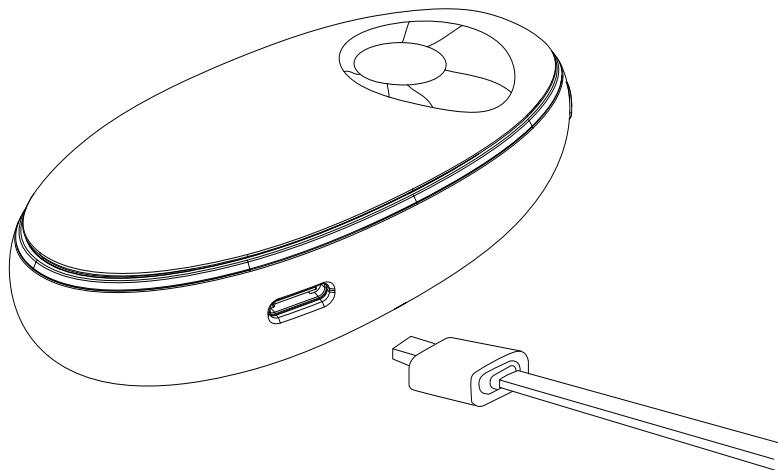


Step 5: Position the device and adhere it to the center of the forehead. Align the device and stick it to the center of the forehead.



Step 6: Open the app to connect to the main device and start monitoring. Launch the app, establish a connection with the main device, and begin monitoring.

Device - Device Charging Steps



- a) Charging the Charging Case: Connect the charging case to the Type-C charging cable.
- b) Charging the Main Device: Align the charging contacts of the main device with the charging contacts on the base of the charging case and place it there.

The main device will automatically secure itself in place. At this point, the main device indicator light will be solid blue, indicating that the main device is charging. When the blue light goes off, it means that the charging is complete.

5.Troubleshooting Guide

- 1.Main device does not power on: Try charging the device.
- 2.Main device cannot be powered off or is unresponsive: Place the main device back into the charging case to reset it.
- 3.Main device does not charge: Check the charging case and charging cable. Try re-inserting the main device, ensuring the correct orientation and proper contact with the charging electrodes.

4.Unable to find Bluetooth device or Bluetooth device connection fails: Verify that the Bluetooth function on the mobile device is functioning properly. If it is, try resetting the main device by placing it back into the charging case or toggling the Bluetooth on the mobile device.

5.Abnormal signal after connection: Try reconnecting after restarting the main device.

6.Maintenance and Care

1.After use, place the main device in the charging slot of the charging case and store it in a well-ventilated, dry environment, avoiding direct sunlight. The storage and transportation conditions should meet the requirements.

2.Clean the product after use, and if used by different individuals, it is recommended to disinfect it. The parts that require cleaning and disinfection are the main device and the charging case.

3.When not in use for a long period, fully charge the device before storage and charge the main device every three months. Failure to comply with this may significantly reduce the device's battery life.

4.Before using the flexible patch-style EEG sensors, check if they are within the expiration date. Do not use electrodes that have exceeded the expiration date. After opening, store the electrodes in the packaging bag and use them within two weeks.

5.The electrodes do not require maintenance and care. If the electrodes are opened and unused for more than two weeks, it may result in inaccurate measurement results.

7. Maintenance and Service

This product is covered by a free warranty within the specified period (excluding damage caused by human factors). If the product malfunctions or fails to work, please contact the supplier promptly. Unauthorized repairs or any form of tampering with the product are strictly prohibited.

The duration of product use is 3 years.

8. FCC Warning Statement

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.

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.

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

9. Warranty Terms

Regarding the warranty period (free repairs), it begins from the date of purchase. Within the warranty period, you have the right to request repairs, replacements, or refunds in accordance with the regulations. These requests should be accompanied by the invoice or relevant valid purchase proof.

Within 7 days of purchase, consumers can choose to receive a one-time refund of the invoice price or exchange the product for the same model if quality issues arise. Within 15 days of purchase, consumers can choose to exchange the product for the same model if quality issues occur. Within 12 months of purchase, consumers can choose to have the product repaired free of charge if quality issues arise.

Warranty service for the product within the warranty period is only provided by the manufacturer. When seeking warranty service, please present the warranty card and purchase invoice.

Please pay special attention to the following points:

a) Lost warranty cards will not be reissued, so please keep them safe.

b) The warranty card is only valid within mainland China.

2. Within one year from the date of purchase, repairs will be provided under the condition of normal usage and occurrence of malfunctions.

3. The following conditions are not covered by free warranty repairs, even within the warranty period, but can be repaired at a cost:

a) Damage caused by failure to follow the product's instructions for use, maintenance, and storage.

b) Damage caused by incorrect operation or physical damage (such as dropping).

c) Damage caused by self-disassembly.

d) Damage caused by force majeure events (such as earthquakes, fires, floods, etc.).

Warranty Card

Product Model	Product Serial Number	
Delivery Date	User Name	
Contact Person	Contact Phone	
Contact Address		
Dealer Name	Dealer Phone	
Dealer Stamp		

Maintenance Record

Maintenance Date	Fault Description	Maintenance Personnel

Product Certificate

Product Name: Neurovista

Product Model: BM05

Testing Personnel: _____

Test Results: _____

10. After-sales Service Unit

Company Name: Shenzhen FlectoThink Technology Co., Ltd.

Company Address: 2A18, 2nd Floor, Tianxiang Building, Tianan Digital City, 12 Tairan 5th Road, Tianan Community, Shatou Street, Futian District, Shenzhen, Guangdong Province

Postal Code: 518118

Website: <https://flectothink.com/>

Customer Service Hotline: 400-808-5020

