Wearable Bio-Sensor Synchrony OB5000MAX

User Manual

Please read the manual carefully before using the product and keep it properly.

www.oymotion.com

Wearable Bio-Sensor

Model:

Synchrony OB5000MAX OL	Synchrony OB5000MAX OM	Synchrony OB5000MAX OS
Synchrony OB5000MAX BL	Synchrony OB5000MAX BM	Synchrony OB5000MAX BS
Synchrony OB5000MAX SL	Synchrony OB5000MAX SM	Synchrony OB5000MAX SS

User Manual

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Catalogue

Chapter I Preface

Thank you very much for purchasing the Synchrony OB5000MAX Wearable Bio-Sensor produced by OYMOTION TECHNOLOGIES CO., LTD.

Before starting to use, please carefully read the user manual to understand the use of the device. After reading, please place the user manual near the device for easy reference at any time.

When the user manual is lost or damaged, please contact OYMOTION TECHNOLOGIES CO., LTD.

This user manual contains general information about this product, which is the primary requirement for operators to use the Synchrony OB5000MAX Wearable Bio-Sensor for the first time. These general information include the manufacturer's responsibility, guarantee, product introduction, applicable product model and size, product structure composition, technical specifications, equipment operation, equipment list, common faults and troubleshooting methods, maintenance and repair and after-sales service, etc. Before installing, operating, or maintaining this device, please carefully read the contents of this user manual to ensure the good operation of the device and the safety of the test object and operator.

The Wearable Bio-Sensor must be used strictly in accordance with the instructions provided in this user manual. Our company will not be responsible for any consequences caused by not following the instructions, such as failure to achieve the expected results or even causing personal safety and property damage.

Our company does not provide any form of guarantee, including (but not limited to) implied warranties of merchantability and suitability for a specific purpose. Our company shall not be liable for any errors contained in this information, or for incidental or indirect damages caused by the provision, actual performance, and use of this user manual.

The content contained in this user manual can be changed without notification to the user.

1.1 Manufacturer's Responsibilities

1) The products produced by our company should meet the technical requirements of the products. If they do not meet the requirements, our company is responsible for replacing or returning them;
2) Our company is only responsible for the safety, reliability, and performance of our products in the following situations: assembly operations, improvements, and maintenance are carried out by personnel recognized by our company, relevant electrical equipment complies with national standards, and is used in accordance with this user manual;
3) If personal or property damage is caused by product manufacturing defects, our company shall bear corresponding responsibilities. However, in any of the following situations, our company shall not be liable:
    a) Buyers and operators who do not follow this user manual, do not follow safety precautions or warning instructions when using;
    b) Violating regulations on product transportation, installation, use, maintenance, storage and transportation, causing damage to products, personal injury, or property;
    c) Those who have exceeded the product's service life and still use it;
    d) If the buyer or operator does not use our company's accessories and causes personal injury to the equipment, operator or testing object;
4) Equipment components that can be repaired by qualified technical personnel designated by OYMOTION TECHNOLOGIES CO., LTD. can be provided with circuit diagrams, component lists, captions, and calibration details as required.

1.2 Guarantee

Manufacturing process and raw materials: Our company guarantees that products (excluding accessories) are free from production process and raw material failures within one year from the date of shipment under the use and maintenance conditions specified in this manual.

Chapter Ⅱ Overview

2.1 Product Introduction

The Synchrony OB5000MAX Wearable Bio-Sensor supports an 8-channel non-invasive EEG electrode scheme, mainly used for non-invasive real-time EEG data acquisition, wireless forwarding, and data storage. And through the Synchrony APP, real-time display of EEG signals, waveform display settings, EEG data recording and playback, impedance detection and other functions can be achieved.

2.2 Applicable Product Model and Size

Host color	Large (electrode cap)	Middle (electrode cap)	Small (electrode cap)
Orange	Synchrony OB5000MAX OL	Synchrony OB5000MAX OM	Synchrony OB5000MAX OS
Black	Synchrony OB5000MAX BL	Synchrony OB5000MAX BM	Synchrony OB5000MAX BS
Black (S logo)	Synchrony OB5000MAX SL	Synchrony OB5000MAX SM	Synchrony OB5000MAX SS

2.3 Product Structure and Composition

It consists of an EEG signal amplifier, non-invasive EEG electrodes, and software.

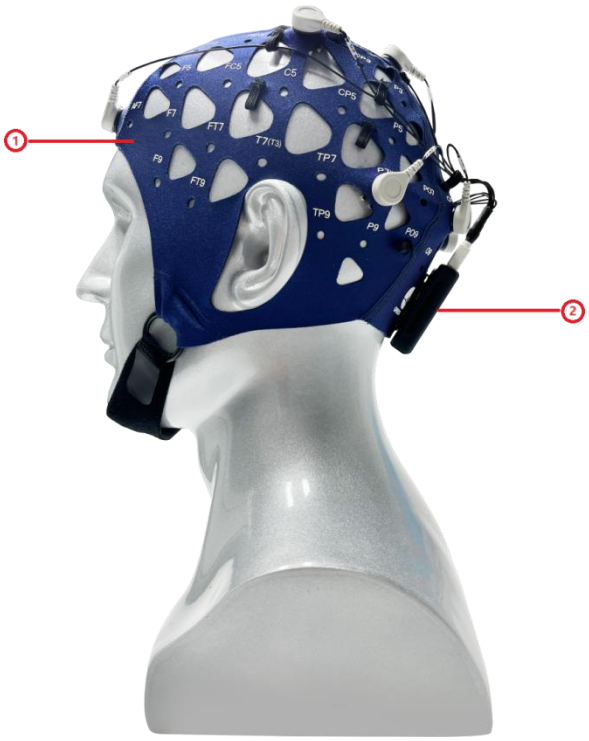

Figure 2.3-1

① Non invasive EEG electrodes ② EEG signal amplifier

2.3.1 EEG Signal Amplifier

Figure 2.3-2

1) Button

- Power Button

Operation	Function
Long press for more than 2 seconds before releasing	Power on/off

2) LED lights

- Status indicator light

State	Instruction information
Slow blink	Power on
Light constantly	Connect
Fast blink	Data transmission

- Charging indicator light

State	Instruction information
Light with Orange constantly	Charging

Extinguish	No charging or charging ended

3) Charging Interface

The charging interface is a Micro USB interface. Located at the rear end of the amplifier.

4) Lead Line Interface

The lead wire interface is a mini HDMI interface. Connected to the lead wire, located on the back end of the amplifier.

Figure 2.3-3

2.3.2 Charger

Equipped with a 5V/2A matching charger and a micro USB cable.

2.3.3 Non invasive EEG electrodes

An 8-channel EEG electrode cap that complies with the international 10-20 standard specifications for lead localization systems. There are 10 electrodes fixed on the EEG electrode cap, including 8 effective electrodes, 1 reference electrode, and 1 Bias electrode. At the same time, a lead wire is fixed to connect the electrodes to the host, and there is a Velcro on the back pillow to secure the host. The dry electrode cap and wet electrode cap are shown in Figures 2.3-4 and 2.3-5, respectively.

Figure 2.3-4 Dry electrode cap

Figure 2.3-5 Wet electrode cap

2.4 Technical specifications

Indicator categories	Indicator Name	index		
EEG Electrode Cap	Number of EEG channels	8		
	Size (head circumference)	Large: 62cm	Middle: 58cm	Small: 54cm
	Material quality	Nylon		
	Electrode	Dry electrode cap: metal spring needle electrode Wet electrode cap: silver chloride electrode		
ADC Specifications	Sampling Rate	250Hz		
	Resolving Power	24 bit		
	Input Range	(-333mV,+333mV)		
	Sensitivity	± 4 μ V		

	Input Impedance	>500M Ω
	Common mode rejection ratio	− 123dB
	Impedance Detection	support
	Signal-to-noise ratio	110dB
Battery (energy)	Battery type	Rechargeable lithium battery 3.7V, 320mAh
	Working hours	12 hours
	Rated current	30mA
IMU	Raw data collection	Accelerometers and gyroscopes
	Sensor fusion results	Six axis fused quaternion
	sampling rate	50Hz
LED	LED indicator light	Status light, charging indicator light
Button	Function buttons	Power button: device power on/off
Voltage	input voltage	DC 3.7V
EEG Signal Amplifier	material quality	ABS+PC
	size	Length * width * height: 54 * 34 * 14.5 (mm) Tolerance: ± 0.5mm
	weight	100g (including battery) Tolerance: ± 5g
Communication Mode		Bluetooth BLE4.2

Chapter III Device Operation

3.1 User Wearing

3.1.1 Wearing dry electrode caps

1. Remove the host, insert the mini HDMI plug on the electrode cap into the mini HDMI interface of the amplifier, as shown in Figure 3.1-1, and then bond the amplifier's Velcro with the Velcro on the electrode cap.

Figure 3.1-1

2. Wear an electrode cap and place the host in the rear pillow position. Thread the strap through the strap hole at the lower jaw and tighten the strap. As shown in Figures 3.1-2 and 3.1-3.

Figure 6.1-2

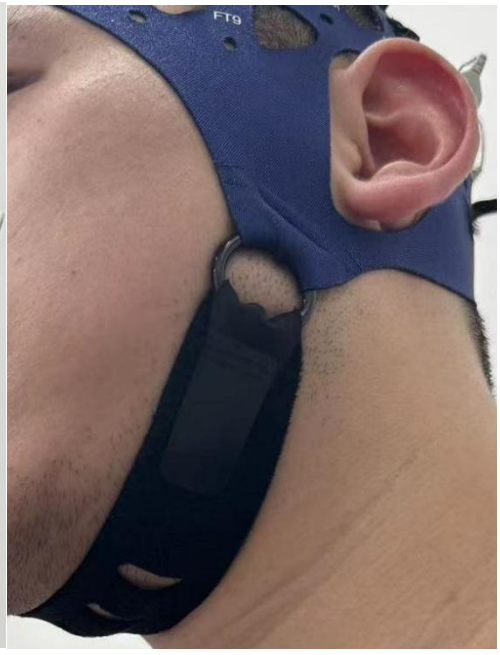

Figure 6.1-3

3. Smooth out the EEG electrode cap and ensure that each electrode metal needle is in vertical contact with the scalp, as shown in Figure 3.1-4.

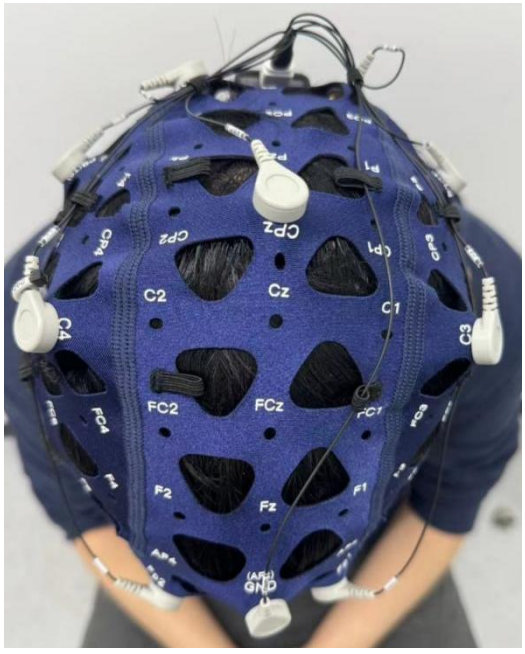

Figure 3.1-4

3.1.2 Wearing wet electrode caps

1. Clean the head skin (such as washing hair, rubbing with alcohol or using scrub).
2. Remove the amplifier and electrode cap, and insert the mini HDMI plug on the electrode cap into the mini HDMI interface of the host. Then bond the magic tape of the amplifier with the

magic tape on the EEG electrode cap.

3. Wear an electrode cap with the host in the back pillow position. Thread the strap through the strap hole on the lower jaw and tighten the strap. Smooth out the EEG electrode cap and ensure that each electrode has good contact with the scalp;
4. Inject an appropriate amount of conductive paste into the scalp using a syringe and a flat needle, and use the flat needle to poke open the hair below the electrode, making the conductive paste completely contact the scalp;
5. Turn on the device, connect the phone, conduct impedance testing, adjust the electrodes with high impedance, or add conductive paste;

⚠Cautions

- If there is obvious damage, it is strictly prohibited to use. Before use, confirm the product logo and service life;
- It is recommended to use conductive paste with the specified model GT5.

3.2 Software Operation

3.2.1 Overview

The Synchrony APP is a desktop software platform that works in conjunction with OYMotion's EEG collection products. It can mainly achieve the following functions:

- Real time collection and display of EEG signals
- Real time display of attitude and acceleration data
- Waveform display settings
- Impedance detection
- EEG data storage and playback

3.2.2 Connecting Devices

1) Device startup: Press and hold the device button for more than 2 seconds before releasing it. The device will start up and the power indicator light will flash slowly green;

2) Run the Synchrony App, enter the startup page, click "**OK**" to enter the device search page, as shown in Figure 3.2.2-1.

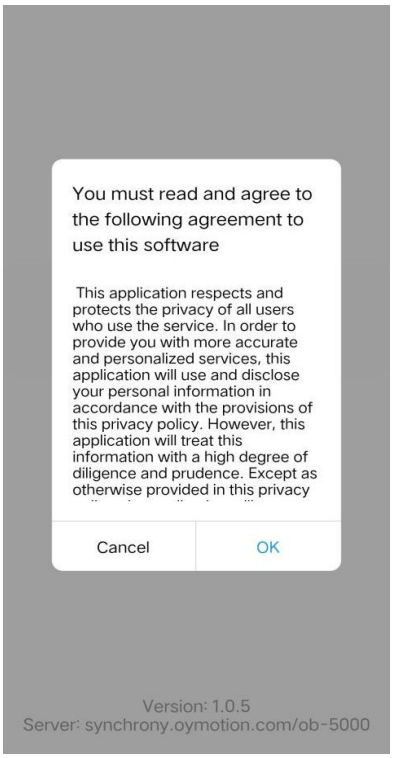

Figure 3.2.2-1

3) On the "**Find Device**" page of the Synchrony App, click on the icon to find the device, as shown in Figure 3.2.2-2; Find the OB5000MAX device in the device list and click "**Connect**", as shown in Figure 3.2.2-3.

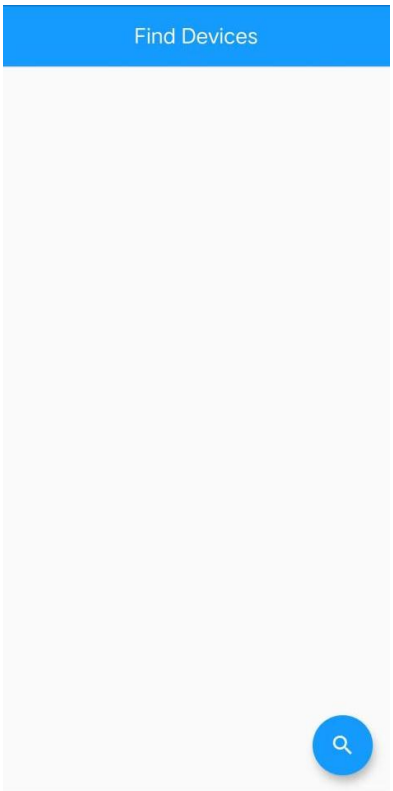

Figure 3.2.2-2

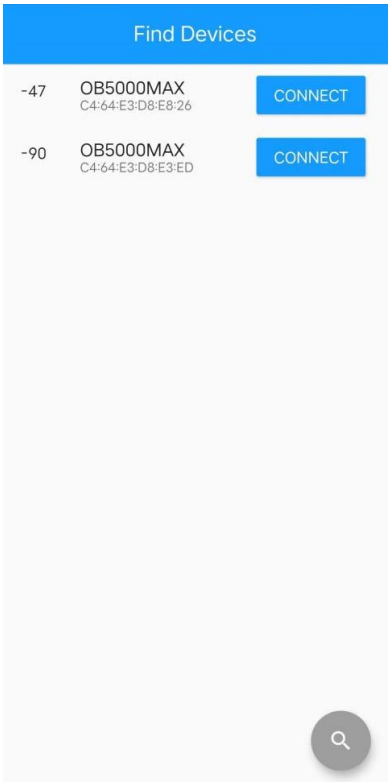

Figure 3.2.2-3

3.2.3 Device activation

When the phone or tablet is connected to the device for the first time, a pop-up window will appear as shown in Figure 3.2.3-1. Enter the activation code and click "**OK**". A success prompt pop-up window will appear. Click "OK", and the device will automatically connect, entering the main interface as shown in Figure 3.2.3-2.

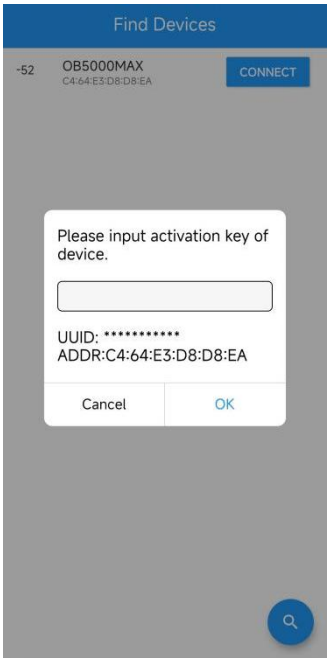

Figure 3.2.3-1

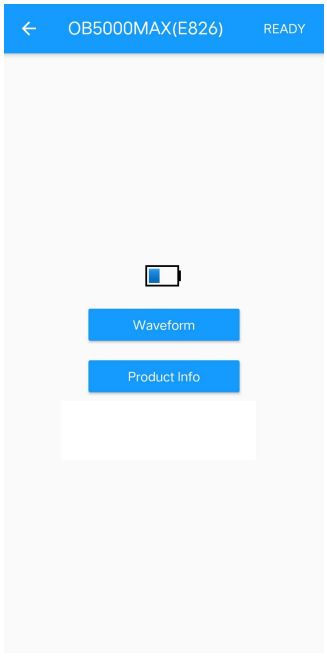

Figure 3.2.3-2

⚠Cautions

The activation code is issued along with the device, and after device activation, it will be bound to the phone/tablet. If you want to replace the phone/tablet later, please contact the after-sales personnel of OYMotion.

3.2.4 Viewing Waveforms

After correctly wearing the device, the user can view real-time waveforms. Click the "**View Waveform**" button on the main interface, and a prompt box will pop up to prompt the user whether to enable impedance detection, as shown in Figure 3.2.4-1. Then click "**Start**" to enter the waveform viewing interface. The waveform viewing interface has six functional areas, from top to bottom are filter switch, real-time waveform, histogram, FFT waveform, acceleration, gyroscope,

and EEG record.

3.2.4.1 Filter Switch

Figure 6.2.4-1 Figure 6.2.4-2

At the top of the waveform interface is the filtering switch, which includes four switches: 50Hz notch filtering, 60Hz notch filtering, low-pass filtering, and high pass filtering. As shown in Figure 3.2.4-2. After activation, the device will perform corresponding filtering and send the data to the APP. The high pass cutoff frequency is 0.5Hz, and the low pass cutoff frequency is 80Hz.

3.2.4.2 Real time waveform

Real time waveform display of waveform maps for each channel. As shown in Figure 3.2.4-3. The horizontal axis represents time, measured in seconds, and can scroll to display waveforms within 5 seconds. The vertical axis represents voltage, measured in mv or UV, and can be switched between units through the drop-down menu in the upper right corner. Display the impedance value and signal saturation of each channel below it. Signal saturation refers to the ratio of signal value to full range. The combination of impedance value and signal saturation can reflect the excellent condition of electrode contact. And represented by the color of the icon on the right, green represents good, yellow represents poor, and red represents very poor. If the connection is poor, you can adjust the electrodes to make full contact with the scalp, or add EEG cream (wet electrode cap). Click the " ⌐¬ " button in the upper right corner of each channel to enter the single channel waveform viewing interface displayed in landscape full screen, as shown in Figure 3.2.4-4.

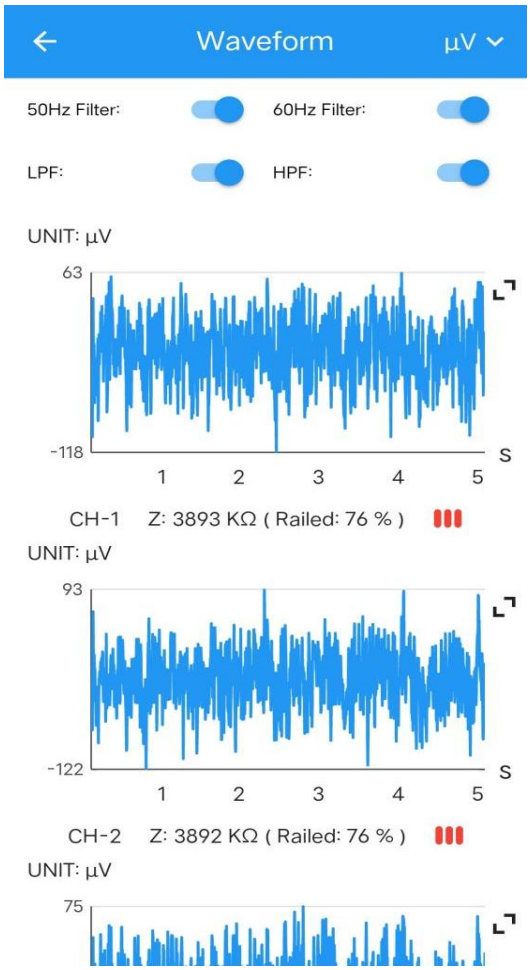

Figure 3.2.4-3

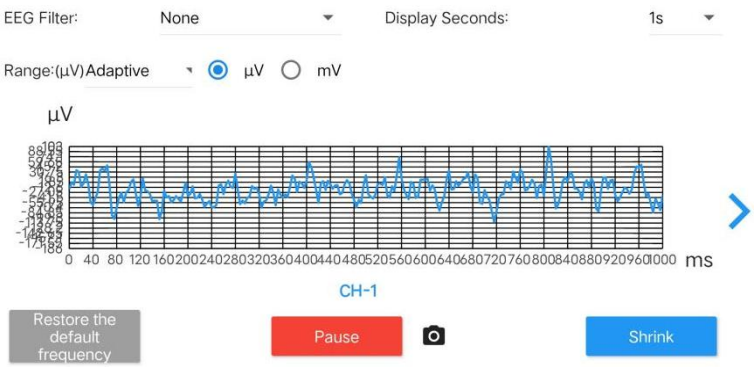

Figure 3.2.4-4

In the single channel interface, you can view the waveforms of six types of EEG filters, with options including none δ 、 θ、α、β、 There are 6 standard options, and the frequency range of filtering is also marked in the options. Click "**Restore default frequency**" to restore to unfiltered

state. As shown in Figure 3.2.4-5;

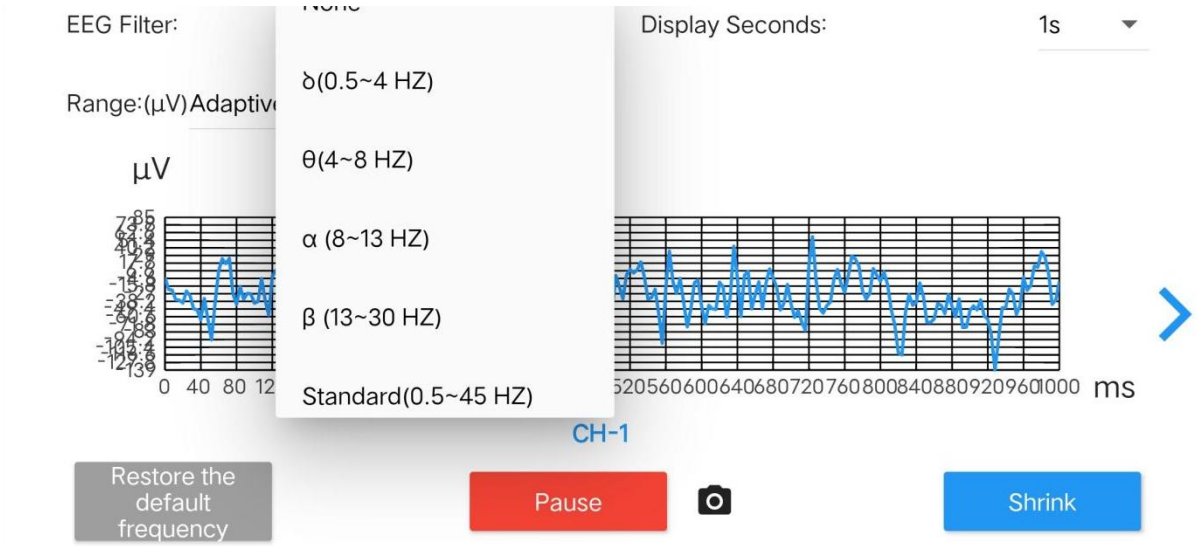

Figure 3.2.4-5

The display duration of the horizontal axis can be set, with 8 options including 40ms, 100ms, 1s, 2.5s, 5s, 10s, 20s, and 30s, as shown in Figure 3.2.4-6;

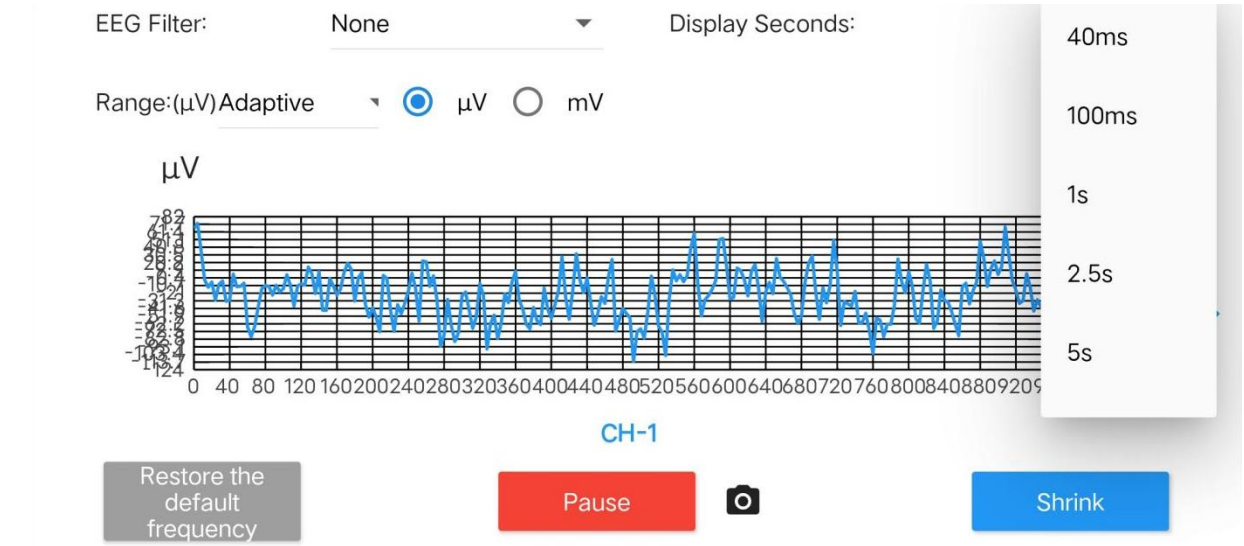

Figure 3.2.4-6

The vertical axis range can be set, and the range options are also different for both UV and MV units. When a range is specified, waveforms that exceed the range will not be displayed. When "adaptive" is selected, the range will dynamically adapt to the maximum actual waveform value within the current time window, as shown in Figure 3.2.4-7;

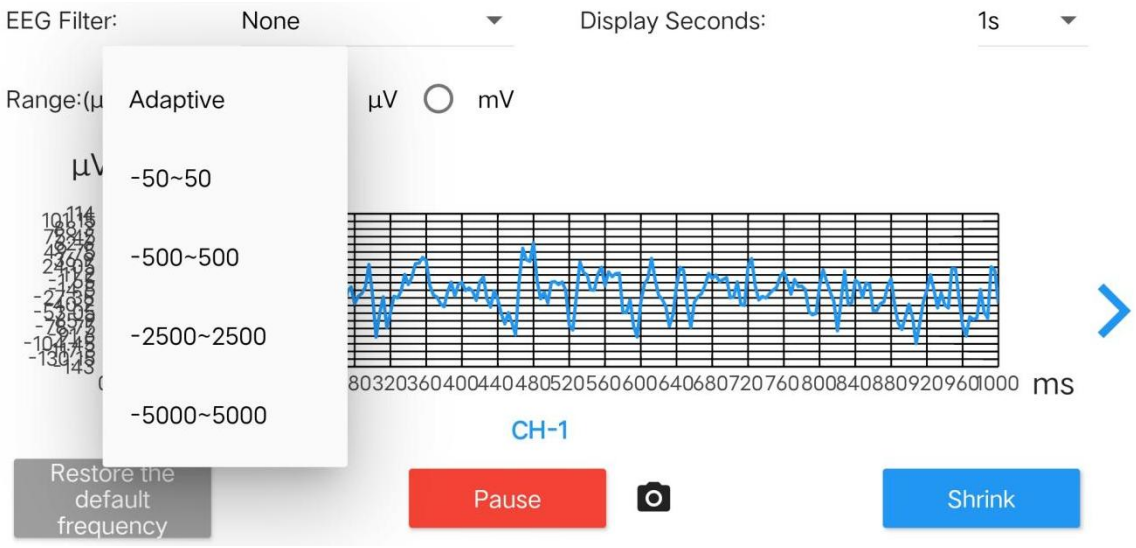

Figure 3.2.4-7

Click on the arrow icons on the left and right sides to switch to the previous or next channel. Click the "**Pause**" button to pause the collection, making it easier to carefully view the waveform of the current time period. Click the "**Shrink**" button to return to the waveform main interface.

3.2.4.3 Histogram

A histogram is displayed below the real-time waveform, which shows all or part of the channels δ、θ、α、β The amplitude of four types of EEG waves. Any combination of channels can be selected for display, as shown in Figure 3.2.4-8;

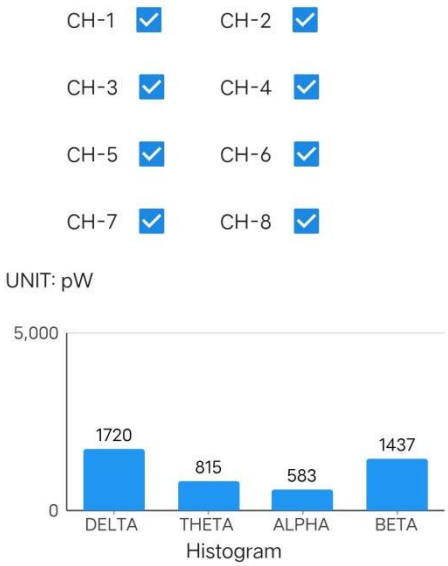

Figure 3.2.4-8

3.2.4.4 FFT

The FFT view of all channels is displayed below the histogram, with different channels distinguished by different colors. Any channel can be selected to display or not display. As shown in Figures 3.2.4-9.

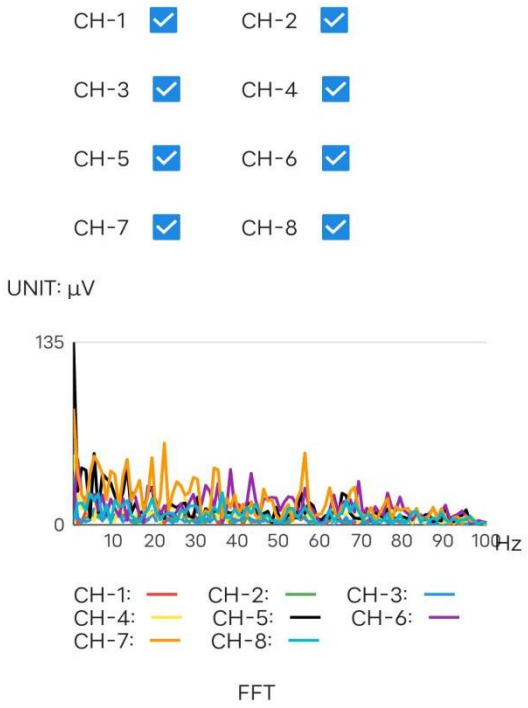

Figure 3.2.4-9

3.2.4.5 Acceleration and Gyroscope

Below the FFT view are the acceleration and gyroscope, with the horizontal axis representing time and the vertical axis representing acceleration and angular acceleration values, respectively. Distinguish the values of the x, y, and z axes using different colors. As shown in Figures 3.2.4-10.

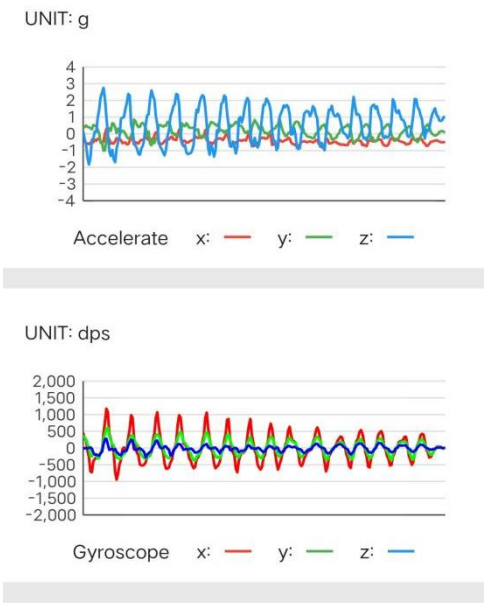

Figure 3.2.4-10

3.2.4.6 EEG acquisition

At the bottom is the EEG acquisition function area. Click the "**EEG acquisition**" button to start recording waveform data. And four buttons appear below, labeled as 0, 1, 2, and 3, representing four different labels. During the recording process, four different labels can be added to make the saved file contain label information. Conveniently locate events that occur during the recording process. Display the timing duration at the bottom. During the collection process, click the "**Stop Record EEG**" button, and a prompt will pop up to confirm whether to save the file to the specified directory. Click OK to save the file and stop the recording process. The four label buttons will disappear. As shown in Figures 3.2.4-11 and 3.2.4-12.

Figure 6.2.4-11

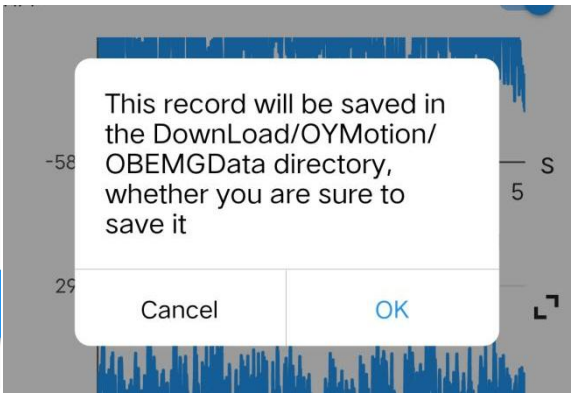

Figure 6.2.4-12

3.2.5 Viewing Product Information

(1) Click the "**Product info**" button on the main interface to enter the "**Product info**" page, which displays OB5000MAX device related information, such as Bluetooth address, battery level, firmware version, etc. As shown in Figures 3.2.5-1 and 3.2.5-2.

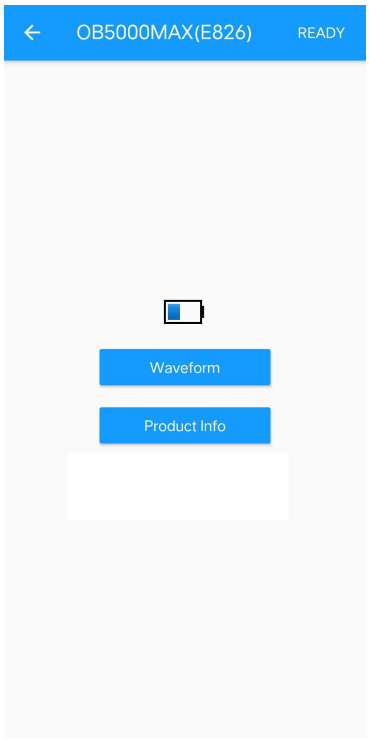

Figure 3.2.5-1

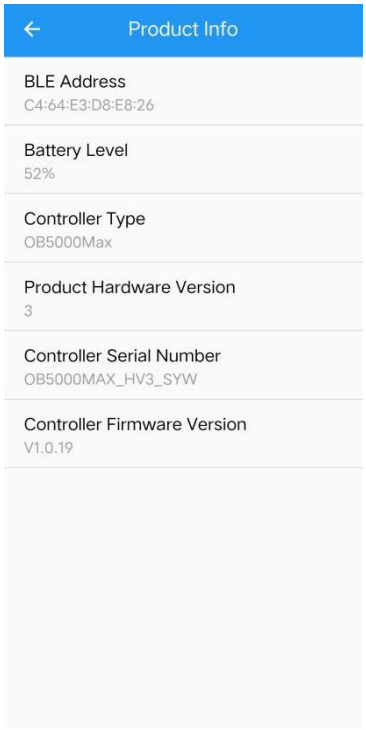

Figure 3.2.5-2

3.2.6 Firmware Upgrade

After clicking on the connect button in the device interface (Figure 3.2.2-3), the APP reads the firmware version of the device and queries the latest version on the server. If an updated version is available, it will prompt the user to upgrade and display the update instructions for the new version. As shown in Figure 3.2.6-1. Select OK, the device will restart to upgrade mode, and the APP will enter the firmware upgrade interface, displaying real-time upgrade progress, as shown in Figure 3.2.6-2. After the upgrade is completed, the device will automatically restart and the APP will prompt you to return to the device connection interface. After clicking OK, the APP will redirect to the device connection interface (Figure 3.2.2-3).

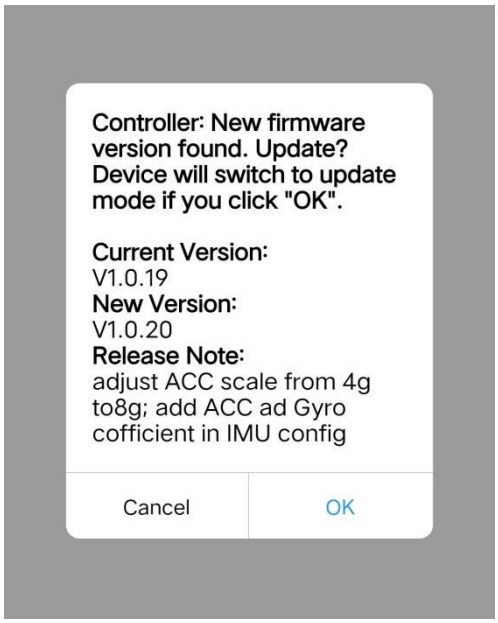

Figure 3.2.6-1

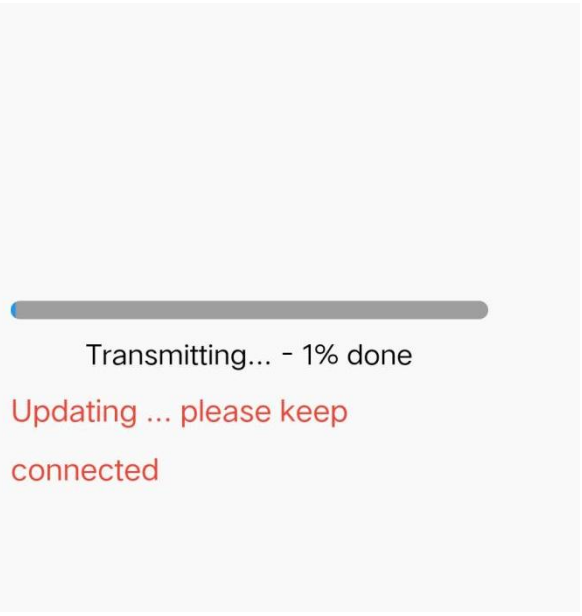

Figure 3.2.6-2

3.2.7 Software Upgrade

After clicking confirm on the APP startup interface (Figure 3.2.2-1), the APP will query the server for updated versions available. If so, a prompt will pop up indicating whether a new version is available and whether to download it, and the update instructions for the new version will be displayed, as shown in Figure 3.2.7-1. Click OK to enter the download interface, download the APP and display the real-time download progress, as shown in Figure 3.2.7-1. After the download is completed, you will be prompted whether to update.

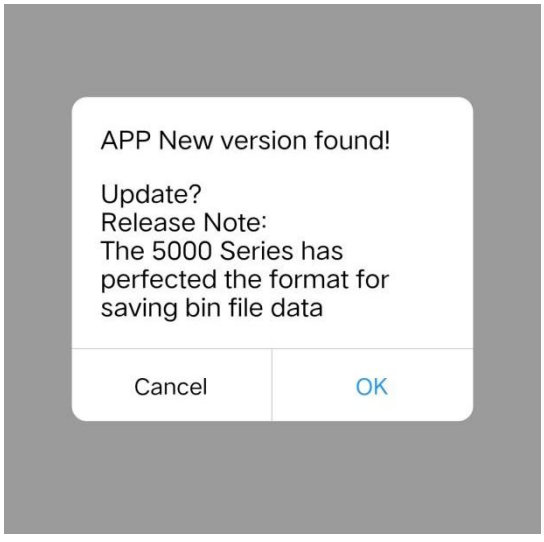

Figure 3.2.7-1

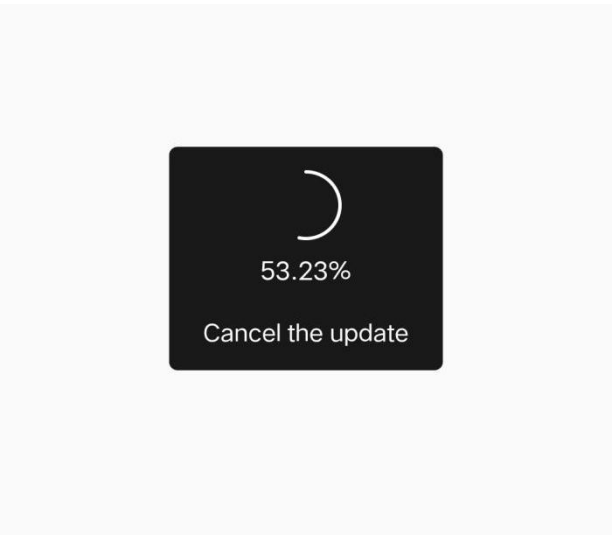

Figure 3.2.7-1

3.3 Shutdown

(1) Exit the APP software;

(2) Press and hold the power switch for more than 2 seconds before releasing, and the device indicator light will turn off, indicating that the Synchrony OB5000MAX Wearable Bio-Sensor has been shut down.

(3) Unplug the lead wire connecting the host and EEG electrode cap, and remove the host. Place the EEG electrode cap and the host into the storage box. If it is a wet electrode cap, please refer to section 6.1.3 to clean the EEG electrode cap and place it in the storage box.

Chapter Ⅳ Equipment List

Number	name	Model/Specification	quantity	unit
1	EEG Signal Amplifier		1	pcs
2	Charger	DC 5V/2A	1	pcs
3	Charging Cable	Micro USB	1	pcs
4	Wet electrode cap (optional accessory)	8 channels Large: 62cm Middle: 58cm Small: 54cm	1	pcs
5	Dry electrode cap	8 channels Large: 62cm Middle: 58cm Small: 54cm	1	pcs
6	USB disk (Includes OYMotion wireless EEG acquisition software, manual, SDK)	V1.0.0	1	pcs
7	Certificate of conformity		1	pcs

Chapter Ⅴ Common Faults and Troubleshooting Methods

The following is a list of common faults, cause analysis, and troubleshooting methods for electroencephalography machines. If the user still cannot eliminate the fault according to this method, or needs more technical support from OYMOTION TECHNOLOGIES CO., LTD., please call the after-sales service department of OYMOTION TECHNOLOGIES CO., LTD.

⚠Cautions

1) When there is an abnormal situation with the Wearable Bio-Sensor, it should be stopped immediately. If there is smoke, burnt smell, etc., continuing to use may pose a risk of fire and electric shock.
2) Except for our company's maintenance personnel and authorized maintenance personnel, no other personnel are allowed to disassemble, unload, modify, or repair this Wearable Bio-Sensor. Any violation will result in our company being unable to perform normal warranty and maintenance on this Wearable Bio-Sensor. Our company will not be responsible for any potential personal injury, fire, electric shock, and other risks that may arise from this.

number	Common faults	Cause analysis	processing method
1	Cannot startup normally	Insufficient pressing time	Release the button after the power indicator light is on
		Low battery level	Timely fully charge the battery; Replace the battery and operate again
		Machine error	Return to factory for repair
2	A certain channel or several channels have significant waveform interference or approximate straight lines	Poor electrode contact in this channel; Lead wire breakage or electrode aging	Check the contact between the electrode and the skin, and add conductive paste appropriately; If it cannot be improved, replace the lead wire and electrode with a new one
3	All channel waveforms are straight lines	Poor contact of the reference or ground electrode; aging	Check the contact between the electrode and the skin, and add conductive paste appropriately; If it cannot be improved, replace the lead wire and electrode with a new

			one
4	All channels have high communication interference	The contact impedance of the reference or ground electrode is high; Aging;	Check the contact between the electrode and the skin, and add conductive paste appropriately; If it cannot be improved, replace the lead wire and electrode with a new one
		Is there any interference source nearby	Please investigate the source of interference
5	The software cannot be opened or run	Location service not enabled	Enable location service
6	The software interface is stuck and unable to continue recording	Logic error in the program itself	Restart the software, make relevant settings, and continue checking; If the above steps are ineffective, restart the computer, reconnect, set up, and check again; If the above operations are ineffective, please contact professional technical support personnel for resolution
		Operation product crashes	
		User interface error	

⚠ Cautions

If the above operation instructions still cannot solve the problem, please stop the operation and contact the after-sales service department of OYMOTION TECHNOLOGIES CO., LTD.

Chapter Ⅵ Maintenance and Repair

6.1 Maintenance

Equipment management personnel must regularly maintain the components of the Wearable Bio-Sensor.

6.1.1 Regular maintenance

1. Regularly (recommended weekly or if necessary) use a clean, soft, slightly damp cloth to wipe off the plastic dust on the amplifier and cables.
2. When the battery level is too low, please charge it promptly.

6.1.2 Regular inspections

1. The equipment is free from contamination, damage, or rust, and the labels are not damaged;

⚠ Cautions

- The maintenance of this equipment must be carried out by experienced professionals.
- Before cleaning and maintenance, please confirm that the equipment has been disconnected from power.
- All components and accessories of this equipment must undergo regular maintenance and repair (at least once every six months).
- The components of this device do not need to be replaced regularly within its useful life.
- It is recommended to regularly check the lead wires and interfaces on the electrode cap, as well as the electrode head, to confirm whether there are signs of wear and rust. If available, please contact OYMotion Technology or a dealer to purchase a new electrode cap.
- It is prohibited to wipe the interface with a damp cloth to prevent electric shock hazards and damage to the equipment.

6.1.3 Clean and Disinfect

The Synchrony OB5000MAX Wearable Bio-Sensor is a non sterile product that only cleans the surface of its components. If there is pollution, it should be cleaned first and then disinfected in a timely manner. To avoid long-term damage to the product, we recommend cleaning and disinfection only when necessary.

The specific cleaning method is as follows:

(1) Wet electrode cap:

a. Complete the EEG test, remove the electrode cap from the subject's head, and remove the amplifier. Soak in warm water for 30 minutes, ensuring that the HDMI connector is exposed to the water. After the conductive paste dissolves, use the included electrode cleaning brush to brush off any remaining conductive paste on the electrode head.

b. Hang the cleaned EEG electrode cap in a ventilated area and dry it in the shade.

(2) Dry electrode cap:

After completing the EEG test, remove the EEG electrode cap from the subject's head, remove all electrodes, and soak in warm water for 30 minutes. Please ensure that the HDMI interface is exposed to the water surface. Then hang the cleaned EEG electrode cap in a ventilated area and dry it in the shade.

(3) EEG Signal Amplifier

Use a clean, soft, slightly damp cloth to wipe the dust off the host. Be careful not to wipe the interface area.

The specific disinfection method is as follows:

(1) EEG electrode cap

1. Disinfectant selection:

A. Recommend using quaternary ammonium salt disinfectants (such as benzalkonium bromide disinfectant, with benzalkonium bromide content of 4.5%~5.5%), according to the original

After diluting the electrode cap in a 1:14 ratio of liquid to water, soak the cleaned electrode cap in this diluted solution for 10 minutes for effective disinfection.

B. It is recommended to use 84 disinfectant (with an effective content of 4.5%~5.5%), diluted in a ratio of 1:500 between the original solution and water,

Soak the cleaned electrode cap in this diluted solution for 30 minutes for effective disinfection.

2. Rinse the disinfected and soaked EEG electrode cap with clean water 2-3 times.

3. Hang the rinsed EEG electrode cap in a ventilated area and dry it in the shade for later use.

(2) Other equipment components

It is recommended that users soak a clean dry gauze in 70% (volume ratio) isopropanol disinfectant, and then use this gauze to wipe the surface of the part that needs to be disinfected twice for 3 minutes. Use a clean and dry cloth to wipe off the remaining disinfectant.

⚠Cautions

- Be sure to turn off all system power before cleaning, otherwise it may cause electric shock hazards or abnormal system functions.
- Do not use volatile liquids, such as diluents or gasoline, as these substances can cause the equipment to melt or crack.
- Avoid touching the connector end with water and disinfectant during cleaning.
- The non-invasive EEG electrode (electrode cap) soaked in disinfectant must be thoroughly rinsed with clean water.
- Improper or frequent disinfection can shorten the service life of the product.
- After cleaning, the electrode cap should be placed in a cool and dry place, avoiding direct sunlight. It should be packed into a packaging box after the equipment components have completely dried.

6.2 Maintenance

After purchasing the Wearable Bio-Sensor, please fill out the warranty card and send it to OYMOTION TECHNOLOGIES CO., LTD.

⚠Cautions

Warranty is provided with the purchase invoice and warranty card for the Wearable Bio-Sensor.

⚠Cautions

Warranty period: 1 year.

⚠Cautions

Warranty coverage:

1） Quality issues with company products;

2） Limited to the instrument host only, excluding consumables such as accessories that require regular replacement;

3） During the warranty period, if the Wearable Bio-Sensor is damaged due to human factors, it cannot be carried out in accordance with the warranty regulations and repair fees will be charged; After the warranty period, please contact OYMOTION TECHNOLOGIES CO., LTD. directly to provide service guarantee;

4） To repair the Wearable Bio-Sensor, please contact OYMOTION TECHNOLOGIES CO., LTD. Do not repair it without authorization. If you open it yourself, our company cannot repair it according to the warranty regulations.

5） The replacement of components may result in the Wearable Bio-Sensor not meeting basic safety and performance requirements. Do not replace components without authorization. Component replacement must be carried out by professionals from OYMOTION TECHNOLOGIES CO., LTD.

Chapter Ⅶ Product after-sales service

7.1 Free Services

Our company provides a one-year warranty for the hardware products of the Synchrony OB5000MAX Wearable Bio-Sensor. If any quality problems occur within one year from the date of sale, our company will be responsible for repairing materials and resolving equipment performance issues. The obligations under this commitment do not include other expenses such as freight. No free service will be provided for direct, indirect, or ultimate damage and delay caused by:

This commitment does not apply to the following situations:

- Damage caused by improper use due to human factors, such as incorrect connections, modifications, unauthorized repairs, etc;
- Damage caused by accidents, such as object compression, liquid immersion, etc;
- Damage caused by uncontrollable factors such as earthquakes, floods, fires, lightning strikes, chemical corrosion, etc;
- Damage caused by unauthorized upgrades, additions, and deletions;
- Other damages caused by unexpected use.

7.2 Instructions for Replacement of Accessories

When there are problems with the accessories of the Wearable Bio-Sensor and consumables that need to be replaced regularly, please contact OYMOTION TECHNOLOGIES CO., LTD. for paid replacement;

7.3 Waste disposal

This product must not be disposed of together with conventional waste. Users are responsible for handing over discarded equipment to designated waste electrical and electronic equipment recycling points.

Collecting and recycling discarded equipment separately during disposal will help protect natural resources and ensure recycling in a way that protects human health and the environment.

Equipment or scrapped parts that have exceeded their service life should be disposed of in accordance with local laws, regulations, and other relevant regulations.

Chapter Ⅷ 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.

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.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

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

Product Name: Wearable Bio-Sensor

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