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**PYLE Health**

IMPORTANT: Pack carefully in original package if possible. We are not responsible for damage incurred in returning items for repair. A letter stating your exact street address, daytime phone number, and the problem you are experiencing should be included. You must also enclose a copy of the original receipt as proof of date of purchase

Brooklyn, NY 11204  
Monday Through Thursday, 9AM to 5PM  
Friday 9AM to 1PM Eastern.

**PHPHA79**  
Dual 2.4G Wireless Digital Hearing Assistance Headset Systems, Rechargeable Battery & Power Dock (2 Headsets)

**User's Manual**

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**4. Storage condition**  
Temperature: -30 ~ 90°C, please don't let it be shocked, pressed, and wet.

**G. Problems and solutions**

Phenomena	Causes	Solutions
Receiver does not work, no sound received	The transmitter is not connected well. The connection between the transmitter and the sound source is wrong. The sound source is not turned on or its volume is too low.	Make sure the mains adapter and the audio cable of the transmitter be plugged well. Make sure the connection correct between the transmitter and the sound source. Turn on the sound source, and adjust its volume to a sufficient level.
Sound is poor or some noise is occurred	The battery is not inserted properly in the receiver or the battery is run out. The transmitting frequency is interfered. The receiver is out of the transmitting range. The audio source's volume is set too low. The battery's power is too low. The transmitter is placed too close to metalworks or other electromagnetic wave objects.	Insert the battery properly, or charge the battery fully. Change to another transmitting channel until no interference. Move the receiver closer to the transmitter. Adjust its volume properly. Charge the battery fully. Put the transmitter in a different place or move away the objects affect the signal.
The sound is heard only with one ear	The balance is not adjusted properly. The audio output signal of the audio source is mono, but the transmitter is switched in STEREO status.	Adjust the balance control by the screwdriver properly. Switch the transmitter to MONO status.
Receiver or battery not being charged	The receiver or the battery is not inserted correctly.	Make sure the receiver inserted to the charging bay correctly or the battery inserted to the charging compartment at the side of the transmitter correctly.

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**B. Product instruction**

**1. What is a TV hearing aid**  
The TV hearing aid is specially designed for hearing disable people to listen to TV (or other audio devices). It can help to listen to TV sound clearly while other hearing aids can't do it. In the market, hearing disable people can only find some normal wireless headphones for watching TV, the worst thing is that it will make the hearing ability worse and worse by only adjust the volume louder for a long time. Our TV hearing aid can solve above problems. Besides the strong wireless TV listening function, it is a perfect hearing aid and a wired hearing improving headphone. You can use it with a normal telephone, a mobile phone, and even listen to music, listen to radio, etc.

**2. Brief introduction**  
PHPHA79 apply 2.4GHz wireless digital audio technology. Ensure the high quality stereo signal being transmitted and received. The frequency auto-matching function makes the receiver follow the transmitter by itself. The multi transmitting frequencies ensure several sets being used at the same time, but not disturb each other. Due to apply the 2.4GHz digital broadcasting mode, one transmitter can match with many receivers. It's convenient for many people watching the same TV program at the same time. Stereo/mono switch function brings people with different hearing satisfaction.

**3. Main functions**  
(1) Wireless TV hearing aid: (refer to article 1 of P9)  
With the product, the hearing impaired person can enjoy TV programs comfortably and clearly, by his/her special tone, right & left volume.  
(2) One button switching between TV hearing aid and regular hearing aid: (please refer to Article 1(4) of P10 & Article 2(3) of P12.)  
Press the CH/MIC button on the receiver, the signal received wirelessly will be cut off, and the built-in MIC will be working simultaneously. That enables the user have a talk with people nearby. When the talk is over, press the button again to listen wirelessly.

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**F. Technology parameters**

**1. Transmitter**

Transmitting frequency	2.4GHz ISM
Modulation method	GFSK
Transmitting power	0±2dBm
Time of getting into the standby status	60±5s (after no signal put in)
Transmitting rate	2Mbps
Working voltage	5.2±0.3V, 1000mA
Working current	65±5mA
Standby current	4±1mA
Signal input limiting volt	350mV (It will be limited to 350mV to prevent too high voice when the signal input volt is over 350mV.)
Signal input range	50mV~1.5V
Input protecting vol.	>6.0±0.2V
Li-ion battery charging current	140±10mA
Transmission distance	>15M (without obstacles)

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**5. Features**

**Transmitter part:**

- Three audio input: a standard 3.5mm audio jack, a digital optical fiber input jack and a digital coaxial input jack.
- Stereo/mono selectable function.
- 8 selectable transmitting frequencies to avoid interference effectively.
- Frequency memory function: automatically fix to the last frequency when power on again.
- Two charging solutions: put the receiver directly into the charging bay or put the battery into the spare battery charging compartment.
- Power input: DC 5V, 1000mA  
High voltage input automatic protection function: when the power input exceeds the transmitter capacity, the circuit inside will be cut off to protect the transmitter from being destroyed.

**Receiver part:**

- Volume, tone and balance adjustable functions: adjust them to the best sound.
- Audio input function: a standard Ø3.5mm stereo jack.
- Equipped MIC input hearing aid function: a standard Ø3.5mm mono jack.
- Built-in MIC hearing aid function:  
Using it to talk to people nearby while listening wirelessly.
- Frequency memory function:  
Automatically fix to the last frequency when power on again.
- Automatically frequency matching function:  
It will automatically follow and match the frequency of the transmitter.
- Automatically mute and power off function:  
When no signal received, it will be muted in 1 minute and then powered off in 3 minutes.
- Powered by a removable 3.7V Li-ion battery.

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**6. Computer chatting instruction**

(1) Plug the external microphone cable into the MIC socket of a computer and clip the microphone on to your lapel close to your mouth.  
(2) Connect one end of the wired headphone cable into the LINE-IN socket of the receiver, and the other end into the headphone socket of the computer. Ensure the volume on the receiver is set to the lowest, then switch it on, adjust the VOLUME, TONE, BALANCE to your required levels.

Note: the speaker volume of the computer may need to be adjusted properly.

**7. Charging instruction**

Switch off the receiver, and remain the transmitter on during charging. There are two charging ways.  
(1) Charging the receiver:  
Place the receiver into the charging bay of the transmitter. The receiver can only fit into the bay if its indicator faces the indicator of the transmitter.

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**9. Balance adjusting driver**

**8. Mains adapter**

**10. Ear pads**

**11. Manual**

**12. Hanger loop**

**Mounting the hanger loop:**

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(7) In order not to disturb others, you can reduce the TV volume or change it to mute.

**2. Regular hearing aid function**

(1) Plug the external microphone cable into the MIC IN socket on the receiver. Place the microphone near the sound source you want to amplify. Ensure the volume on the receiver is set to the lowest, then switch it on and adjust the VOLUME, TONE, and BALANCE to your required levels.  
(2) The external microphone can be also clipped on a pocket as shown for general conversation use.  
(3) Without the external MIC, press the CH/MIC button on the receiver to turn it to the microphone status. The built-in microphone in the receiver will work. Sitting near the sound source that you want to amplify to get the best effect.

Note: when the external microphone cable is plugged in, the built-in microphone will be cut off automatically.

**3. Wired headphone with hearing aid function**

Plug one end of the wired headphone cable into the LINE IN socket of the receiver, and connect the other end to the audio source such as a PC, iPad, MP3, mobile phone, etc. Ensure the volume on the receiver is set to the lowest, then switch it on and adjust the VOLUME, TONE, BALANCE to your required levels.

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**E. Set up and user instructions**

**1. Wireless TV hearing aid function**

(1) Connect the power adapter with the transmitter's power jack.

(2) Connect the 3.5mm plug of Audio cable1 to the transmitter's audio-in jack, connect the lotiform plugs to AUDIO OUT jack of TV, DVD, STB, etc. (If it is a computer, you need to connect lotiform plugs with Audio cable2, then connect the 3.5mm plug of Audio cable2 to the speaker jack of the computer.) If the TV is used with a STB, DVD, etc., please prior to connect the transmitter with the STB, DVD, don't connect to the TV set directly. (Maybe there isn't audio out signal for some TVs when connect to them directly because manufacturers of TVs are different.)

Connect to AUDIO OUT of TV      Connect to AUDIO OUT of STB

Connect to AUDIO OUT of DVD      Connect to AUDIO OUT of PC

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If the sound source has a digital audio output, connect the coaxial or optical socket of the sound source with a coaxial cable (not supplied) or the optical fiber cable.

(3) Switch on the transmitter, the working indicator will be on. Choose a suitable place for the transmitter near your sound source (e.g., a TV). Adjust the audio source's volume properly in working status (when the transmitter connected to a STB, DVD, PC, etc.).

(4) Put the receiver on correctly, with the indicator facing away from your body. IMPORTANT: make sure the volume on the receiver is set to the lowest to protect your hearing, then switch it on. Its blue indicator will be on. Adjust the VOLUME to a comfy listening level. If the sound is interfered, press the channel button at the back of the transmitter to change to another transmitting channel

MONO/STEREO      CHANNEL

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until no interference, and the receiver will follow it automatically. If you hear the sound only at one ear, maybe the sound source's audio out signal is mono. Thus switch the transmitter to MONO. The RF signal can go through walls of the room, you can move around freely at home or outside. While listening wirelessly, press the CH/MIC button on the receiver, it will be in the microphone status. Press again, it will come back to wireless listening.

Note: when no signal is received by the receiver (e.g., it is out of the transmitting range or the transmitter is in the mute status), the blue LED will be blinking. And the receiver will be mute until it receives the signal transmitted, otherwise it will be powered off automatically in 3 minutes. Using it again, you need to switch it off, then on.

(5) Frequency response:  
Rotate the "TONE" wheel to adjust the sound for personal preference.

(6) Balance adjustment:  
If the hearing ability differs in each ear, the balance of left and right can be adjusted by the screwdriver provided.

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**D. Part function**

**1. Transmitter**

**2. Receiver**

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**4. Use the regular hearing aid function to listen to telephone**

The external microphone works with the receiver that amplifies the people's voice from the telephone speaker. Connect the microphone to the receiver and hold it against the speaker as shown, adjust the VOLUME, etc. to your required levels. And adjust the distance between the microphone and the telephone's speaker to get the best sound performance.

**4. landline phone**

**5. Mobile phone**

**5. Use the regular hearing aid function to listen to mobile phone**

Put the external microphone near the speaker of a mobile phone. Don't be too

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**C. Product parts**

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(2) Charging the battery in the charging compartment:  
Open the battery case of the receiver, pull out the Li-ion battery. Insert it into the charging compartment at the side of the transmitter as shown below.

Note: when insert the receiver or the battery correctly, the indicator on the transmitter lights up. Once charging is complete, the light will go out.

The indicator will light up on the transmitter in different status as below:

a) The right indicator is lit green when the transmitter is switched on.  
b) Left lit green for only charging the receiver in the charging bay.  
Left lit green and right lit orange (green & red together) for charging the receiver in the charging bay and the Li-ion battery in the compartment at the same time.  
Right lit orange (green & red together) for only charging the Li-ion battery in the compartment.

Remark: Left lit    Right lit    Both lit

Note: charging is monitored automatically and charging will stop when the battery is full. Please allow the battery to run down prior to the first 3 charges.

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(3) Regular and extensional hearing aid: (refer to article 2 of P12)  
The receiver can be used as a regular hearing aid. It's very convenient to use in noisy environment, such as group party, dinner together and in the car, etc.  
(4) Hearing aid function for phone call: (refer to article 4 & 5 of P13)  
The external microphone works with the receiver. That amplifies the voice from phone call.  
(5) Computer chatting headphone with hearing aid function: (refer to article 6 of P14)  
With this function, the hearing impaired people can hear and talk on the internet very clearly.  
(6) Wired headphone with hearing aid function: (refer to article 3 of P12)  
Connect a MP3/iPhone/PC, etc. to the headphone's line-in jack with the wired headphone cable, the hearing impaired people can listen to the music enjoyably.

**4. Main technologies**

(1) Voice clarifying technology(VCT):  
Reduce background sound of TV, increase the sound of dialogues, so that hard to hear words can easily stand out, making television dialogues easier to understand.  
(2) Noise cancelling technology(NCT):  
Reduce the environmental noise to help the users to focus on listening to the dialogues of TV.  
(3) Automatic signal control(ASC):  
Hearing disable people's adaptive faculty for volume change is weak (can't hear loud sound, and can't hear low volume sound), our circuit will adjust the sudden change volume and make the output volume stable. It will avoid strong signal hurting the users' listening.  
(4) Balance control:  
Specially designed for hearing loss people whose right and left hearing levels are different. Users can adjust the right & left volume to best fit themselves by the VOLUME and BALANCE.  
(5) Tone control:  
Specially designed for hearing impaired people who have different sound frequency sensitiveness. They can adjust the "TONE" button to find the best feature, and hear the target audio source clearly.

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**2. Receiver**

Receiving frequency	2.4GHz ISM GFSK
Receiving rate	2Mbps
Working voltage	3.7V (3.3~4.2V)
Static working current	48±1mA
Dynamic working current	50~65mA
Auto power-off current	<1µA
Auto power-off time	3mins (after the receiver is in the standby status.)
Wired earphone input working current	14~20mA
Wired earphone signal input	100~800 mV
Working current of MIC input	6~15mA
Max. Gain of MIC signal input	42±2dB (at 1KHz)
Sensitivity of built-in MIC	-42±2dB
Sensitivity of external MIC	-50±2dB
Frequency response	20Hz~15KHz
Distortion	<1%
S/N ratio	>70dB
Maximum output power	35~40mW
Max. output sound pressure level	128±3dB SPL
Receiving range	>15m (without obstacles)
Li-ion battery charging time	3.5~4 hours
Working time when Li-ion battery is full	6 hours for TV hearing aid function, 18 hours for regular hearing aid function.

**3. Working environment**  
Working temperature: -10 ~ 60°C      Working humidity: 10% ~ 90%

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**A. Safety instructions**

Please read and follow the safety instructions before using the product.

- \* When using this unit, basic safety precautions as below should always be followed to avoid the risk of electrical shock or personal injury.
- \* Listening to at a high volume for prolonged periods could adversely affect your hearing.
- \* Do not use the product in situations that require special attention (e.g. when performing skilled jobs).
- \* If using a microphone or line input, the plug MUST be fully inserted into the correct socket and the volume must always be turned to the lowest level before turning the unit on. Failure to do so can result in high sound levels that could adversely affect your hearing.
- \* Using this product inappropriately could adversely affect your hearing. Please follow the step-by-step instructions carefully!
- \* Do not use in an environment that is damp, wet, very hot or very cold.
- \* To clean the product, use only a soft cloth and an inorganic cleaner. Always remove the power adapter before cleaning the product.
- \* Only use the supplied power adapter. Do not use any other type of adapter.
- \* Install the unit securely on a stable surface in a well ventilated area with at least 5 cm of free space around the transmitter. Install the unit where the power cord will not be subject to damage or create a tripping hazard.
- \* The unit may get warm when being used. Ensure the unit has adequate ventilation.
- \* Please refer all servicing to authorized qualified personnel ONLY! Do not attempt to open the unit!

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