www.myhearingaudio.com

PYLE Health

IMPORTANT: Pack carefully in original package if possible. We are not responsible for damage incurred on receiving 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.

PYLE Health

PHPHA56
PHPHA66

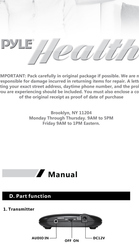
Dual Infrared Wireless Listening System W/ Power Charging Docking Station & Two Headsets

User's Manual

Manual

0. Part function

1. Transmitter



2. Receiver

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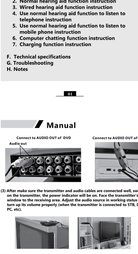
E. Product use

1. TV hearing aid function instruction

(1) Connect the power adapter to a power source and the transmitter's power jack.

(2) Connect the audio cable (3.5mm plug) to the transmitter's audio in socket. Connect the other end to the audio out jack of the TV. If you use a computer, you need to connect the plugs with Audio cable 2 (RCA cable), then connect the 3.5mm plug of Audio cable 2 (RCA cable) to the earphone socket of the computer. Connect the other end of Audio cable 2 (RCA cable) prior to connect with DTV, DVD, and don't connect to TV not directly. (Because the manufacturers of TV are different, maybe there isn't audio out signal for some TVs when connect to them directly.)



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H. Notes

1. When you don't use the product, please turn off the transmitter and receiver. If don't use it for a long time, please take out the adapter and cables, save them properly.

2. Pull the adapter out of power socket before cleaning the product. Don't use liquid cleaner or spray cleaner on the product, please use dry cloth to clean the product.

3. Don't use the product near water.

4. The product can only be used properly under indicated power. Powering with an unspecified power source may cause damage to the unit.

5. Please unplug during electrical storms or when unit not being for extended periods of time to avoid damage to the unit.

6. Don't overload the power output, extend electric cable or disassemble the product by yourself to avoid fire or electric shock.

7. Please place the product far away from any heat sources, like stove, fire, heat emitter, etc.

8. Please place the product far away from microwave oven, transformer, and mobile phones to avoid unnecessary electronic wave interference.

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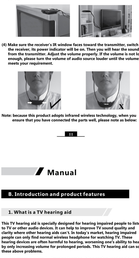

(3) After make sure the transmitter and audio cables are connected well, switch on the transmitter, the power indicator will be on. Turn the transmitter's IR window to the receiving area. Adjust the audio source in working status and adjust the volume properly (when the transmitter is connected to TV, DVD, PC, etc).

(4) Make sure the receiver's IR window have toward the transmitter, switch on the receiver, put the headset on your ear, you will hear the sound from the transmitter. Adjust the volume properly. If the volume is not loud enough, please turn the volume of audio source louder until the volume meets your requirement.

Note: because this product adopts infrared wireless technology, when you ensure that you have connected the parts well, please note as below:

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B. Introduction and product features

1. What is a TV hearing aid

The TV hearing aid is specially designed for hearing impaired people to listen to TV or other audio devices. It can help to improve TV sound quality and reduce the surrounding noise. It can also help the hearing impaired people can only find normal wireless headphone for watching TV. These hearing devices are often harmful to hearing, worsening one's ability to hear speech and causing ear pain after prolonged periods. This TV hearing aid can solve these above problems.

Besides strong wireless TV listening function, it is a perfect hearing aid. You can connect it with any telephone or mobile phone, to listen to music, radio, etc.

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2. Theory

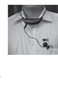
This TV hearing aid uses IR (infrared) to transfer audio signal in about 60 seconds. When you switch on TV or tape player, the transmitter will start to work again. The receiver will mute when it is not in receiving area, until it is back to the receiving area.

Note: when the transmitter is standby, its power indicator will still be on, IR lamps will be off automatically. Please turn off the transmitter if you don't use it.

2. Normal hearing aid function instruction

(1) Connect the receiver with the microphone and earbuds, put the earbuds into your ear, stick the microphone on the other end near the person you are talking to. Switch on the receiver, adjust the volume to person's sound. Adjust the VOLume, TONE, and BALance according to your requirement, so as to get best effect.

(2) When you go out, take the receiver. Put the microphone cable in your pocket. Hang on the pocket. It can be a normal hearing aid.



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4. Functions

4.1 TV hearing aid function (transmitter + receiver)

Features:

(1) Helps the hearing impaired to listen to TV sound clearly from far distance, without turning up the volume and disturbing other people. Avoid hearing damage from prolonged high volume sound.

(2) Automatic signal control:
Our circuit will adjust sudden peaks in volume and reduce the output to a comfortable listening level. This helps prevent sudden strong signals from damaging hearing further.

(3) Voice clarifying circuitry:
Reduce the background sound of TV, so that hard to hear words and whispers "jump out" making television dialog easier to be understood.

(4) Balance control:
A person's hearing from left to right may be different so one can adjust the left and right volume to be suitable for his or her own level.

(5) Tone control:
Tone is the compensation for different people's hearing abilities, the "TONE" control lets you adjust the timbre of sound by reducing the high frequencies.

(6) One transmitter can match several receivers, for several people to use at the same time.

(7) The receiver is designed small, light, and comfortable to use. Weight of the receiver 70g.

(8) In-ear design for the receiver: Reduces background more efficiently.

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4.2 Normal hearing aid (receiver + microphone cable)

Features:

(1) Connected with a microphone, the receiver is a hearing aid. The cable of the microphone can be folded and stored. Place the microphone near other people, you can hear other people's voice clearly.

(2) Balance control:
Hearing between people's hearing ability is not balanced. This can be adjusted both left and right volume to be suitable for their own level.

(3) Tone control:
In order to compensate for different people's hearing abilities, the "TONE" control lets you adjust the timbre of sound by reducing the high frequencies.

4.3 Wired headphone with hearing aid (receiver + wired cable)

Features:

(1) Headphone with hearing aid design. Hearing impaired people can listen to music, chat on the internet, and hear clearly.

(2) Balance function, please read 4.2.(2)

(3) Tone function, please read 4.2.(3)

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3. Wired hearing aid function instruction

Plug one end of wired headphone cable in LINE IN jack of the receiver, and connect the other end with audio source device. Place the microphone near other people, you can hear other people's voice. Please adjust the VOLume, TONE, Balance according to your requirement.

4. Use normal hearing aid function to listen to telephone instruction

According to "2. Normal hearing aid function instruction", put the microphone near the speaker of a telephone. Please be close to the telephone while talking, you can hear the sound from the telephone clearly. Please adjust the VOLume, TONE, Balance between the microphone and telephone's speaker. When the distance is shorter, the volume will be louder. You can adjust the position of microphone to meet your requirements.

5. Use normal hearing aid function to listen to mobile phone instruction

According to "2. Normal hearing aid function instruction", put the microphone near the speaker of a mobile phone. Please be close to the mobile phone while talking, there is some interference. While talking, please face to the speaker of the mobile phone.

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6. Computer charting function instruction

(1) Plug the microphone cable in the micro in socket of a computer.
Connect the earbuds and headphone cable with the receiver, and the other end to the earphone socket of the computer, switch on the receiver, put the headset on your ear, adjust according to your requirement. If the person at the other side can't hear you clearly, please turn up the microphone and adjust the computer microphone volume to a proper position.

7. Charging function instruction

Connect the AC adapter with the transmitter and a power socket, switch on the transmitter. Plug the receiver into the charging socket, the charging indicator on the transmitter will be on. It start to charging battery. After 4 hours, 1.5 an hour, the charging indicator on the receiver will automatically, and the charging lamp will be dump. This will protect the Li-ion battery and prolong the battery life. Please use the power source or pull off the audio input cable to make the transmitter stop signal transmission and only in charging function.

Notice of charging:

1. Please charge battery only after its power is run out in the first three times of charging. You mesh't charge frequently. It is better to charge when power is lower than 20%.
2. Please make sure the direction of charging slot at the transmitter and the receiver.
3. Pinkot turn off the receiver when it is charging the battery.

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C. Product parts

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3. Features

3.1 Transmitter part

(1) Special noise reduction circuit to reduce background noise.

(2) Special filter to reduce high frequencies.

(3) A special circuit to limit peaks in the signal.

(4) Powerful IR transmitter.

(5) Lithium ion battery and auto switch off function.

(6) Uses special circuit for hearing impaired people to increase quality and clarity.

3.2 Receiver part

(1) High S/N, noise reduction function.

(2) Balance adjustment function.

(3) Tone adjustment function.

(4) Normal hearing aid function.

(5) Wired headphone with hearing aid function.

(6) Built in lithium ion battery design.

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(1) The transmitter should be put on a high place, like the top of TV.
(2) The infrared window of the transmitter should face the receiver.

Noise will occur when not has the below situations:
a. There is some obstacle between the transmitter and the receiver.
b. The receiver is far away from the transmitter.
c. The receiver is too far away from the transmitter, or deviation angle is too large.

(3) Frequency response: Rotate the "TONE" in the best position, make sure you can hear the TV sound clearly.

(4) Balance adjustment: If the hearing ability of two ears is not the same, you can use the screwdriver to adjust the BAL, make sure the volume meets your requirement.

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F. Technical specifications

1. Transmitter

Working voltage	12±0.5V, 600mA
Working current	105±5mA
Standby current	35±5mA
Trans. Frequency	2.3±0.020MHz
Signal input limiting volt.	≥800mV
Signal standby starting volt.	≤50mV
Signal input sensitivity	≤8mV
Signal input frequency	20Hz ~ 20KHz
Signal input impedance	120mV ~ 2V
Li-ion battery recharging current	125±5mA
Transmission distance	≥8M
No signal standby time	After 5seconds no signal put in, the transmitter will turn into standby mode automatically.

2. Receiver

Working voltage	3.7±0.5V
Static working current	10±1mA
Dynamic working current	≤35mA
Maximum working current of input	≤35mA
Input signal range	100 mV~800 mV
Receiving frequency range of MIC	100Hz~8KHz
Max. Gain of MIC	≥50dB
Receiving frequency	2.3±0.020MHz
Distortion	≤1%
S/N ratio	≥70dB
Maximum output power	800mV / 35mW
Li-ion battery charging time	2~4 hours
Working time	Approximately 70 hours(Leg and headsets, 24 hours for normal hearing aid function)

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G. Troubleshooting

Symptom	Cause	Solution
No Sound	The audio cable isn't connected with the transmitter.	connect them correctly
	The audio cord socket of audio source isn't connected well.	connect with the correct audio out socket.
	Transmitter power switch is not turned on or is in a low volume.	Turn on the volume of audio source and adjust it to proper volume.
	Glasses face the volume button.	Adjust the position and direction of the receiver to face the transmitter.
	The infrared window of transmitter and receiver face different directions or is blocked by something.	Face the receiver's IR window, don't let anything block the signal.
	The receiver is not turned on or its volume is adjusted to the minimum.	Turn on the power, adjust the volume.
Noise	The distance between the receiver and transmitter is too far.	Take the receiver to the transmitter.
	The power of battery in the receiver is too low.	Put the receiver in the charging slot or replace the battery in the receiver.
	There is some obstacle between the transmitter and receiver.	Move away the obstacle.
	Other wireless devices are using the same frequency.	Put the transmitter at a higher place.
	Sunlight or other strong light is too large.	Move the receiver to the front place of the transmitter.
Volume is too low	The volume is too low.	Adjust the volume of audio source.
	The volume function is not adjusted well.	Adjust the volume function properly, make the volume at both sides suitable for your requirement.
Volume is too loud	The volume function is not adjusted well.	Adjust the volume function properly.

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H. 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 microphone or line input socket. Failure to do so may be harmful to that sound 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, very hot or very cold.

* To clean the product, use only a soft cloth and an inorganic cleaner. Always remove the power adaptor before cleaning the product.

* Only use the supplied power adaptor. Do not use any other type of adaptor.

* Install the unit securely on a stable surface in a well ventilated area with at least 10cm of free space around the unit. Do not place the unit on a heat source and will not be subject to direct sunlight or strong heating heater.

* The unit may get warm when being used. Ensure the unit has adequate ventilation.

* Please refer all servicing to authorised qualified personnel ONLY! Do not attempt to open the unit!