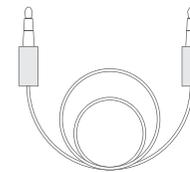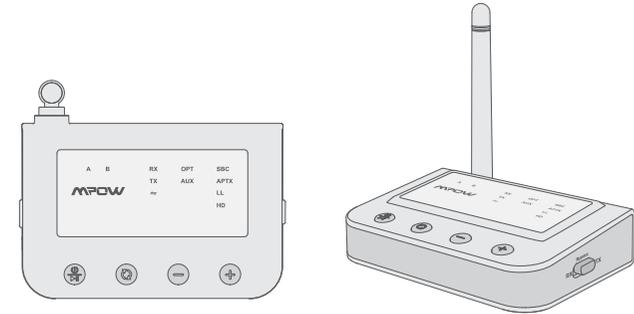# MPOW

BLUETOOTH 2-IN-1 RECEIVER AND TRANSMITTER

User Manual

- English
- Deutsch
- Français
- Italiano

PACKAGE CONTENTS
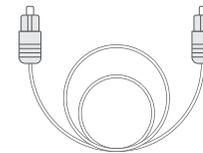

3.5mm AUX

USB charging cable
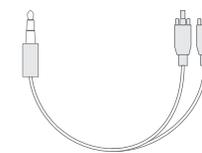
OR

US Adapter   UK Adapter

Digital Optical cable

RCA cable

USER MANUAL

User Manual

EN:
Any issues during usage, please contact support@xmpow.com to get professional services.

DE:
Bei Problemen wenden Sie sich bitte an support@xmpow.com Holen Sie sich professionelle Dienstleistungen.

FR:
Si vous rencontrez des problèmes lors de l'utilisation, contactez support@xmpow.com pour obtenir des services professionnels.

IT:
Eventuali problemi durante l'utilizzo, si prega di contattare support@xmpow.com per ottenere servizi professionali.

1. Important Notice

For "no lip sync delay" when watching TV, movie or playing games, make sure you use a Bluetooth device supporting aptX Low Latency (aptX LL), since most audio receiver devices (Bluetooth headphone, Bluetooth speaker) don't support this technology.

If your Bluetooth headphone/ Bluetooth speaker supports aptX Low Latency (aptX LL), you can enjoy better experience which is synchronized between the sound and video screen. If your Bluetooth headphone / Bluetooth speaker doesn't support aptX Low Latency (aptX LL), you may feel the lip sync delay between the sound and video screen.

aptX Low Latency (aptX LL) certified products:
https://www.aptx.com/zh-hans/products?

Codec of one connected device		
Your Headphone supports	The final transmission Codec will be / the LED will display	The audio delay will be
aptX HD	aptX HD	/
aptX Low Latency	aptX Low Latency	<~40ms
aptX	aptX	<~130ms
SBC	SBC	<~220ms

Codec of two connected devices			
Your First Headphone supports	Your Second Headphone supports	The final transmission Codec will be/the LED will display	The audio delay will be
aptX HD	aptX HD	aptX	<~130ms
aptX Low Latency	aptX Low Latency	aptX	<~130ms
aptX	aptX	aptX	<~130ms

aptX HD / aptX Low Latency / aptX /SBC	SBC	SBC	<~220ms
aptX Low Latency/ aptX	aptX HD	SBC	<~220ms
aptX Low Latency	aptX	SBC	<~220ms

2. About aptX/ aptX Low Latency / aptX HD

aptX: aptX can give you consistent, high-quality audio over Bluetooth device.

aptX Low Latency (aptX LL) : aptX Low Latency ensures your Bluetooth wireless enabled device can deliver sound in sync with visual media. With aptX Low Latency you can enjoy the freedom of wireless for applications, such as gaming and watching videos.

aptX HD: aptX HD ensures your Bluetooth wireless enabled device can deliver High Definition (HD) audio. With aptX HD, you can enjoy listening to your music at the highest audible quality when using a wireless device.

3. What device is BH262's Bluetooth Transmitter Mode compatible with?
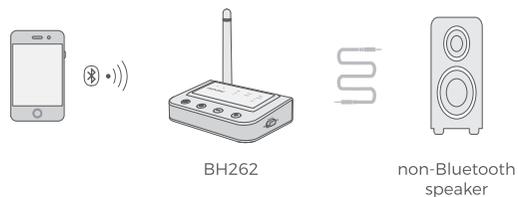
Important notice:

It can connect non-Bluetooth TV / PC via a Digital Optical TOSLINK or 3.5mm Aux or RCA cable. It can pair with Bluetooth headphone or Bluetooth speaker.

PC   or   TV   Bluetooth speaker   or   Bluetooth headphone
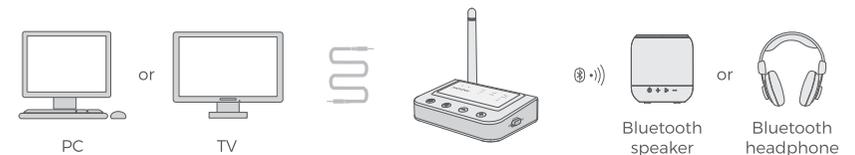
What device is BH262's Bluetooth Receiver Mode compatible with?

BH262   non-Bluetooth
   speaker

Note:

It can connect non-Bluetooth speaker, non-Bluetooth car stereo or non-Bluetooth headphone via a 3.5mm audio cable Digital Optical TOSLINK / 3.5mm Aux / RCA cable
It can pair with phone.

4. Specifications

Connection Technology	Bluetooth
Product Name	BH262
Bluetooth Protocol	A2DP / AVRCP
Working Voltage / Current	DC 5V / 50 ~ 90mA
Frequency Range	2.402GHz ~ 2.480GHz
Codecs Format	AAC / SBC / aptx / aptx low latency / aptx HD
Connection Method	Digital Optical TOSLINK/ 3.5mm Aux/RCA cable

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5. Diagram

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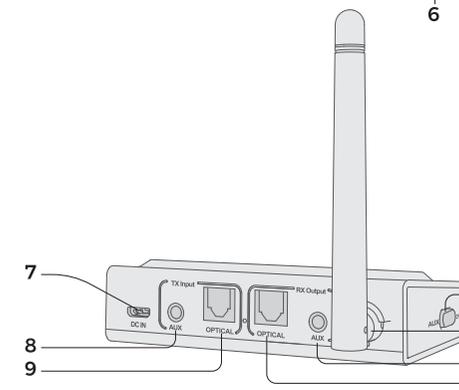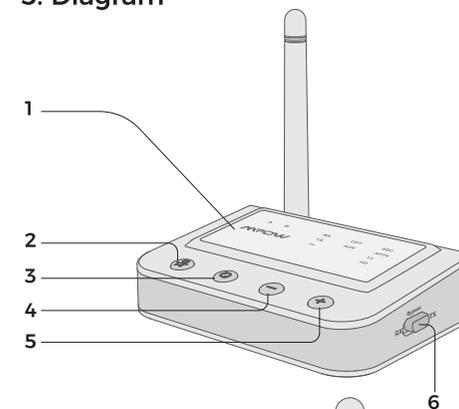
❶ LED display

❷ ON / OFF button; play / pause button

❸ Bluetooth function button

❹ Previous track / volume down

❺ Next track / volume up

❻ Receiver (RX) / Transmitter (TX) / Bypass switch: TX - Bluetooth transmitter mode; RX-Bluetooth receiver mode; Bypass- Bypass mode

❼ USB DC 5V power input

❽ AUX Stereo Input(TX : Input to Speaker)

❾ Optical (TX Input): optical input (TX: Input from TV)

❿ Optical (RX Output): optical output (RX: Output to Speaker)

⓫ AUX stereo output(RX: Output to Speaker)

⓬ Antena

⓭ Aux / OPTICAL switch: 3.5mm audio port for AUX port; Optical connection for OPTICAL port

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LED display

LED display	The Meaning of Representation	LED display	The Meaning of Representation
A	Connection to the first Bluetooth device	RX	Bluetooth Receiver Mode
B	Connection to the second Bluetooth device	TX	Bluetooth Transmitter Mode
OPT	Optical connection	⇆	Bypass - Bypass mode
AUX	AUX connection	SBC/aptX/ aptX LL/ aptX HD	Transmission codecs

6. Power Supply

BH262 has no built-in battery. Please use the supplied BH262 charger to feed power. Connect the "DC IN" port to the BH262 supplied charger with the Micro USB charging cable to supply power.

Note: If you use a non-standard charger whose voltage is over 6.5V, BH262 will trigger power auto-protection. It will resume feeding power automatically if you use a 5V standard charger.
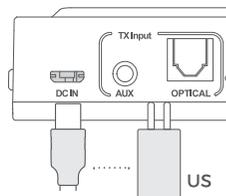
7. Power ON / OFF

ON:
Plug to turn on BH262. Then it will power on automatically with the white indicator light of "RX or TX" flashing quickly in LED display.
In power-off state with BH262 plugged, long press the "　" button for 2 seconds to

power on BH262 with the white "RX or TX" light flashing quickly in LED display.

OFF:
Unplug or long press the "　" button for 3 seconds with LED indicator light off.

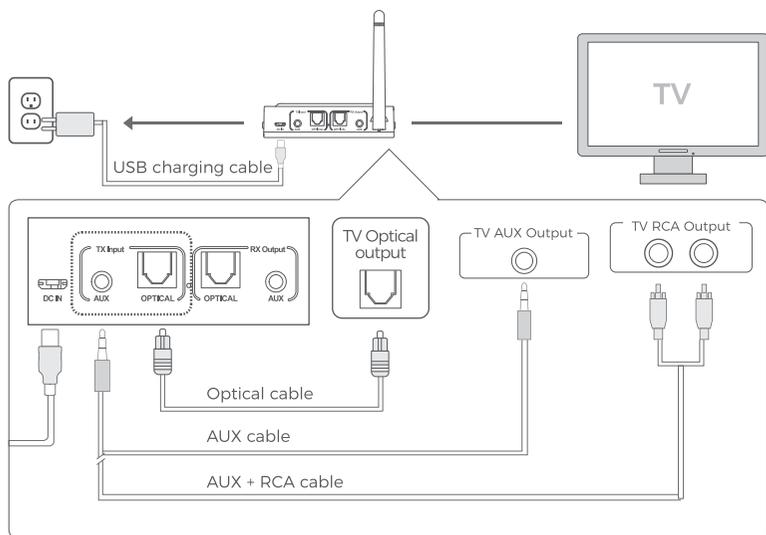## 8. Bluetooth Transmitter Mode

Connect BH262 to a non-Bluetooth multimedia device (such as TV, PC) via a 3.5 mm audio cable or optical cable. Then, pair BH262 to a Bluetooth headphone or Bluetooth speaker etc. via Bluetooth, the audio source from a multimedia device (such as TV, PC) can be transmitted to a Bluetooth headphone or Bluetooth speaker via BH262's Bluetooth transmission.

TV　　　　　　AUX / OPTICAL　　　　BH262　　　Bluetooth speaker　　Or　　Bluetooth headphone
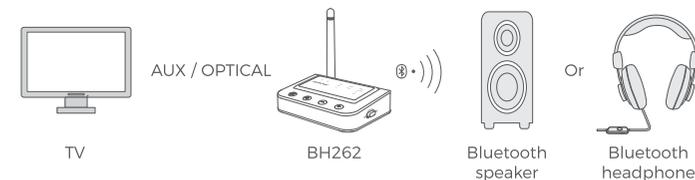
8.1. Connect with One Bluetooth Headphone

Step 1: Plug the power cord to turn on BH262.

Step 2: Turn the "AUX-OPTICAL" switch to "AUX" side. Connect one end of 3.5mm audio cable / RCA cable to BH262 TX Input's AUX port, and the other end to the AUX Output (Audio Output) port / RCA Output port of a Non-Bluetooth audio device (such as TV, PC). Or turn "AUX-OPTICAL" switch to "OPTICAL", and connect one end of the optical cable to BH262 TX Input's OPTICAL port, and the other end to the OPTICAL Output of a Non-Bluetooth multimedia audio device (such as TV and PC).

USB charging cable

TX Input
DC IN | AUX | OPTICAL

RX Output
OPTICAL | AUX

TV Optical output

TV AUX Output

TV RCA Output

TV

Optical cable

AUX cable

AUX + RCA cable

Step 3: Turn the "RX-Bypass-TX" switch to "TX" to enter Bluetooth pairing mode (or short press the " " pairing button to enter pairing mode) with TX white indicator light flashing quickly.
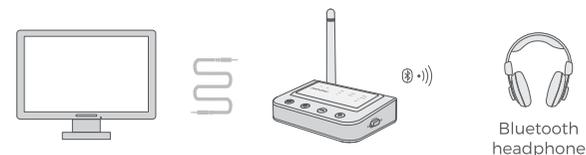
Bypass

RX   TX
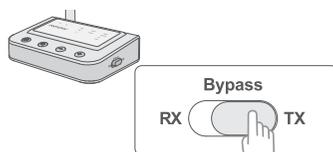
Step 4: Enable Bluetooth on the Bluetooth headphone / Bluetooth speaker. Get it close to BH262 within 1 meter. After about 5-30 seconds, BH262 will pair to the Bluetooth headphone / Bluetooth speaker automatically.

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Bluetooth headphone

Step 5: After the successful connection, the white indicator lights of TX and A will stay on. The indicator light of the Codec will correspond to the codec of the Bluetooth headphone.

Codec of one connected device		
Your Bluetooth Headphone support	The final transmission Codec will be	The LED will display
aptX HD	aptX HD	HD
aptX Low Latency	aptX Low Latency	LL
aptX	aptX	aptX
SBC	SBC	SBC

8.2. Connect with Two Bluetooth Headphones

Step 1: Complete the connection to the first Bluetooth headphone / Bluetooth speaker.

Step 2: Then, short press the " " button, and BH262 will enter pairing mode with the TX white indicator light flashing quickly (the flashing time will last 3 minutes. Then, the pairing status will end, so you can short press the " " Bluetooth button to enter pairing status again).

Step 3: Enable Bluetooth on the second Bluetooth headphone, Bluetooth speaker etc. Get it close to BH262 within 1 meter. It takes about 5-30 seconds for BH262 to complete the pairing.

Step 4: After the successful connection, the white indicator lights of TX and B will stay on.

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The white indicator light of the codec will be shown according to the codecs of two headphones.

Codec of Two Connected Devices			
Your first Headphone supports	Your second headphone supports	The final transmission Codec will be	The LED will display
aptX HD	aptX HD	aptX	aptX
aptX Low Latency	aptX Low Latency	aptX	aptX
aptX	aptX	aptX	aptX
aptX HD / aptX Low Latency / aptX /SBC/other	SBC	SBC	SBC
aptX Low Latency / aptX /SBC/other	aptX HD	SBC	SBC
aptX HD / aptX / SBC / other	aptX Low Latency	SBC	SBC
aptX HD / aptX Low Latency /SBC/other	aptX	SBC	SBC
aptX HD / aptX Low Latency / aptX /SBC	other	SBC	SBC

8.3. Play Music

Play / Mute: short press the " [icon] " button.
Volume up: long press or short press the "+" button (MAX volume without a sound prompt).
Volume down: long press or short press the "-" button (MIN volume without a sound prompt).
Note: In optical transmitter mode, the volume can't be adjusted via the button.

9. Receiver Mode

Connect BH262 to a non-Bluetooth speaker etc. via a 3.5mm audio cable/RCA cable/optical cable. Then, pair BH262 to a Bluetooth-enabled smartphone etc. via Bluetooth.

The music from your phone will be transmitted to a non-Bluetooth speaker etc.

BH262   non-Bluetooth speaker
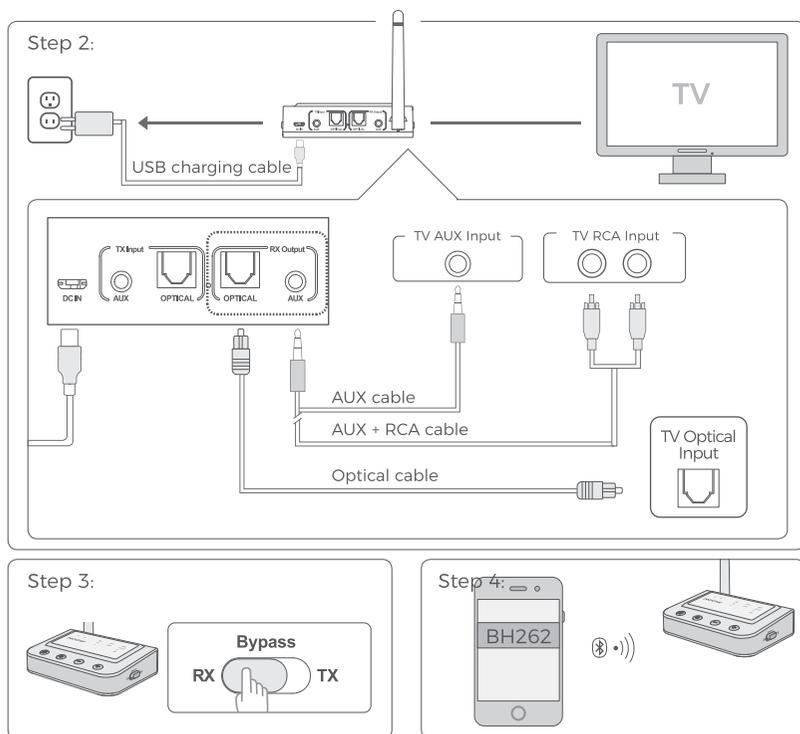
9.1. Connect with One Smartphone

Step 1: Plug the power cord to turn on BH262 .

Step 2: Turn the "AUX-OPTICAL" switch to "AUX". Connect one end of 3.5mm audio cable / RCA cable to AUX port of BH262 RX Output, and the other end to AUX Input port / RCA Input port of a Non-Bluetooth speaker. OR turn the "AUX-OP-TICAL" switch to "OPTICAL", connect one end of the optical cable to OPTICAL port of BH262 RX Output, and the other end to OPTICAL Input port of a Non-Bluetooth speaker.

Step 3: Turn the "RX-Bypass-TX" switch to "RX" to enter Bluetooth receiver mode (short press " [icon] " pairing button to enter pairing mode) with RX white indicator light flashing quickly.

Step 4: Enable Bluetooth on the smartphone, search "BH262" and click to connect.If needed, input a password "0000".

Step 5: After the successful connection, white indicator lights of "RX" and "A" stay on. The indicator light of codec will display according to the codec of the smartphone. If the smartphone is of SBC mode, the white indicator light of SBC will be displayed on BH262.

Step 2:

USB charging cable

TX Input   RX Output

DC IN   AUX   OPTICAL   OPTICAL   AUX

TV AUX Input   TV RCA Input

TV

AUX cable

AUX + RCA cable

Optical cable

TV Optical Input

Step 3:

Bypass

RX   TX

Step 4:

BH262

9.2. Connect with Two Smartphones

Step 1: After the first smartphone is connected successfully, short press the "⟳" Bluetooth

button and the RX white indicator light will flash quickly (the flashing time will last 3 minutes. Then, the pairing status will end, so you can short press the "⟳" Bluetooth button to enter pairing status again).

Step 2: Enable Bluetooth on the second smartphone, search the device "BH262" and click to connect.

Step 3: After the successful connection, RX white indicator light will stay on (same as A and B white indicator lights). Then, two smartphones will connect to BH262 simultaneously. The codec (SBC / APTX / APTX LL / APTX HD) displayed will be same as that of the smartphone playing music.

9.3. Play Music

Play / Pause: short press the "⟳" button.
Next track: short press the "+" button.
Previous track: short press the "-" button.
Volume up: long press the "+" button (MAX volume with a sound prompt).
Volume down: long press the "-" button (MIN volume with a sound prompt).

10. Enter Pairing Mode

1) With one Bluetooth device connected, short press the "⟳" paring button to enter pairing status. Then, the RX or TX indicator light will flash quickly.

2) Long press the "⟳" paring button for 3 seconds to disconnect from the connected Bluetooth devices and enter pairing status. Then, the RX or TX indicator light will flash quickly.

Note:
When you disconnect from the connected devices, they won't be reconnected again or the pairing information can't be erased.

11. By-pass Mode

11.1. Connection Method

Step 1: With BH262 turned on, turn "RX-Bypass-TX" switch to "Bypass" and turn the switch to "OPTICAL" or "AUX" according to your audio source device.

Step 2: Connect 3.5mm audio cable or optical cable to the TX Input port of BH262.

Step 3: Connect the RX Output port of BH262 to a home speaker.

Step 4: BH262 will transfer the audio that is input via TX input to home speaker, car speaker or stereo headphone via the RX Output (the method to output audio is same as that to input audio).

Note: In Bypass mode, the method can only be AUX to AUX or Optical to Optical.

Wired   Wired

BH262

11.2. Play Music

Play / Mute: Short press the "   " button.
Volume up: Long press or short press the "+" button (MAX volume with a sound prompt).
Volume down: Long press or short press the "-" button (MIN volume with a sound prompt).

12. Bluetooth Reconnection

12.1. Reconnection in RX Mode

With Bluetooth enabled on your smartphone by advance, turn on BH262 (RX indicator

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light will flash slowly). Within 30 seconds, it will reconnect to the last connected device. If it exceeds 30 seconds (RX indicator light will flash quickly), select the appropriate Bluetooth name and click to connect manually.

When it exceeds Bluetooth range, its Bluetooth is disconnected with RX indicator light flashing quickly. When the reconnection is complete in 10 minutes, RX indicator light stays on. If it hasn't reconnected successfully in 10 minutes, it will enter sleep mode. Press any button to wake it up.

12.2. Reconnection in TX Mode

Enable Bluetooth on your Bluetooth headphone, and turn on BH262. Then, it will reconnect to the last connected device automatically with TX indicator light flashing slowly for 30 seconds. When it exceeds 30s, TX indicator light will flash quickly, then you need to enable BH262 to enter automatic pairing by the step 8.1.

When it exceeds Bluetooth range, Bluetooth is disconnected with TX indicator light flashing slowly. The reconnection lasts 30 seconds. When the connection hasn't been completed in 30 seconds, BH262 will enter pairing mode with TX indicator light flashing quickly. If it doesn't succeed in 10 minutes, BH262 will enter sleep mode, which you can tap any button to wake it up.

13. Erase Bluetooth Pairing List

In power-on mode, long press the "   " button for about 8 seconds until the TX or RX indicator light stay solid twice, BH262 will erase the paired information and enter pairing mode.

14. Automatic Sleep Mode

In power-on state:
if BH262 hasn't been paired within 10 minutes, it will enter sleep mode automatically.

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If it's out of effective pairing distance for 10 minutes, it will enter sleep mode automatically.

In sleep mode, the indicator lights are shown as below:
"RX" and "OPT" (or AUX) will stay on in RX Mode.
"TX" and "OPT" (or AUX) will stay on in TX Mode.
Then, you can press any button to activate the product.

Note: In Bypass mode, there is no sleep mode.

15. Warning

During the operation, please pay attention to the following information:

1) Acceptable operating temperature range: 0-45℃ / 32- 113 ℉ .

2) Please avoid using it in high temperature, low temperature or static environment (such as cars exposed to direct sunshine in hot weather, fire, surface with high temperature or extreme cold environment). Otherwise, it may influence the performance.

3) Charge it via a STANDARD 5V charger.

4) Put it in a shadow when not in use.

Any issues during usage, please contact **support@xmpow.com** to get professional services.

16. Troubleshooting

16.1. Why can't BH262 power on?

Check whether BH262 has been plugged in or be turned on.

16.2. Why can't BH262 be paired?

Step 1: Please ensure BH262 has been turned on.

Step 2: Check whether the indicator light in TX or RX mode can flash quickly (quick flash is in pairing state and short press pairing button to enter pairing mode).

Step 3: Check whether you've selected a correct mode. TX is Bluetooth transmitter mode/ Bluetooth receiver mode.

Step 4: In RX mode, check whether you can search "BH262" on your smartphone.

Step 5: In TX mode, check whether the Bluetooth headphone is in pairing mode.

Step 6: Erase Bluetooth pairing information on the Bluetooth receiver or product. And try pairing again.

Take Bose QC 35 II for example, turn the Power / Bluetooth button to Bluetooth icon, press and hold it for about 10 seconds until you hear "Bluetooth device list cleared" (Bluetooth pairing list has been erased) and the Bluetooth indicator light flashes in Blue.

16.3. Why can't BH262 be charged?

Step 1. Ensure two ends of the USB cable are firmly connected.

Step 2. Change another charging power supply.

16.4. Why is the music quality poor?

Step 1. Ensure two ends of the audio cable are firmly connected.

Step 2. Check whether the AUX cable is fully plugged in.

Step 3. Change an audio cable.

Step 4. Try another audio source.

16.5. Why is the Bluetooth connection intermittent?

Step 1. Wall / Wireless signal will interfere with Bluetooth signal connection. Please use it in open environment or without strong interference.

Step 2. Maybe the product exceeds the effective Bluetooth connection range. Return to the effective distance again to recover the connection.

16.6. Why is the volume so low when listening to music?

Step 1: Confirm the connection method is correct.

TX mode: RX mode:

Step 2: Confirm whether the cable is firmly connected.

Step 3: Confirm whether the cable is damaged.

Step 4: Replace the cable.

Step 5: In TX mode, plug wired headphone directly to a television / computer, and check whether the sound is normal.

FCC STATEMENT

Operation is subject to the following three conditions:
1) This device may not cause harmful interference.
2) This device must accept any interference received, including interference that may cause undesired operation.
3) This device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.
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.

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