

Bluetooth Transmitter

User Manual

Specifications

Bluetooth Version: V 5.0

Bluetooth Chip: CSR 8670

Product Model: BH281A

Output Power Category: Class II

Bluetooth Range: 15 meters

Bluetooth Protocol: A2DP

Frequency Range: 2.402 GHz~2.480 GHz

Battery Capacity: li-ion 250 mAh

Bluetooth Codecs: aptX™ low latency, aptX™ and SBC

Diagram



1.Multifunction Button: short press to activate pairing mode; long press for 5 s to clear pairing list.

2.Power Switch

3.Micro USB Charging Port

4.Audio Port

Low Latency Function

BH281A supports aptX™ low latency (APTX LL) and aptX™ (APTX)

You can experience the low latency function only if your Bluetooth headphones and Bluetooth speakers etc. support aptX™ low latency (APTX LL) and aptX™ (APTX).

1.Power On / Off

Power On: turn the Power switch to “ON” position. And the blue indicator light will flash quickly

(pairing mode) or flash once every 1 second (reconnection state).

Power Off: Turn the Power switch to "OFF" position with the red indicator light flashing twice.

Automatic Standby Function: In power-on state, if no operation or connection is performed, BH281A will enter standby state: the blue indicator light will go off and pairing mode will be

disabled. If it needs pairing again, short press the "" button to activate the transmitter and enter pairing mode.

2. Enter Pairing Mode

In power-on state, short press the "" button to enter pairing mode with the blue indicator light flashing quickly.

3. Connection to the First Bluetooth Headphone

3.1. Connect BH281A to a television or non-Bluetooth computer via an audio cable.

3.2. In power-on state, short press the "" button to enter pairing mode with the blue indicator light flashing quickly.

3.3. Turn on your Bluetooth headphone or Bluetooth speaker etc. and enter pairing mode. Tips: Usually, your headphone's indicator light will flash red and blue alternately or flash blue quickly.

3.4. The distance between BH281A and Bluetooth headphone or Speaker should be within 1 m. It may take 5-30 seconds to complete the connection. The corresponding lighting modes for different codecs can be shown as follows:

A: The blue indicator light will always stay on (SBC transmission)

B: The blue indicator light flashes once every 10 seconds (APTX transmission)

C: The blue indicator light flashes twice every 10 seconds (APTX LL transmission)

3.5 When the above connection is complete, you can enjoy music via your headphone or speaker.

4. Connection to the Second Bluetooth Headphone

4.1 Connect BH281A to the first Bluetooth headphone, then turn on the second one and activate its Bluetooth pairing mode (Usually, its indicator light will flash red and blue; or will flash quickly).

4.2 Short press the "" button of BH281A. And it will enter Bluetooth pairing mode with the blue indicator light flashing quickly.

4.3 Narrow the distance between BH281A and the second Bluetooth headphone (within 1m) . It may take 5-30 seconds to complete the connection. Then, the red indicator light will flash once. And the corresponding lighting modes for different codecs can be shown as follows:

A: The blue indicator light will always stay on (SBC transmission: if either headphone only supports SBC).

B: The blue indicator light flashes once every 10 seconds (APTX transmission: both headphones support APTX).

C: The blue indicator light flashes twice every 10 seconds (APTX LL transmission: both headphones support APTX LL).

5. Bluetooth Reconnection

5.1 When BH281A powers on again, it will enter reconnection state: connect to last two paired devices by priority.

5.2 If it fails to reconnect in 22 seconds, BH281A will enter pairing mode; you can also short press the  button to enter pairing mode at once.

Note: To shorten reconnection time, you can turn on a Bluetooth headphone and then turn on BH281A.

6. Clear Pairing List

When BH281A is in power-on state, long press the  button for 5 seconds to clear pairing list with red and blue indicator lights flash twice simultaneously (the overlapped indicator lights will be mixed). Then, BH281A enters pairing mode.

7. Low Battery Warning and Charging Indicator

7.1 When the battery is too low, its red indicator light flashes. Charge the transmitter with 5 V power.

7.2 When charging the transmitter, the red indicator light stays on. And it will go off when the transmitter is fully charged.

Note

1. Charging during the operation may cause noise or current sound because the power or current may be unstable.
2. If BH281A can't be paired to two devices simultaneously, please reboot BH281A and try pairing again.
3. It's recommended to use two headphones with the same chips, which can avoid possible intermittent music, no sound or disconnection etc.
4. BH281A cannot be paired with smartphones or other similar devices. It can only be paired to Bluetooth headphone or Bluetooth speaker.
5. For a better music quality, it's recommended to select headphones of a same model when pairing BH281A to two headphones simultaneously.

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

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

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.