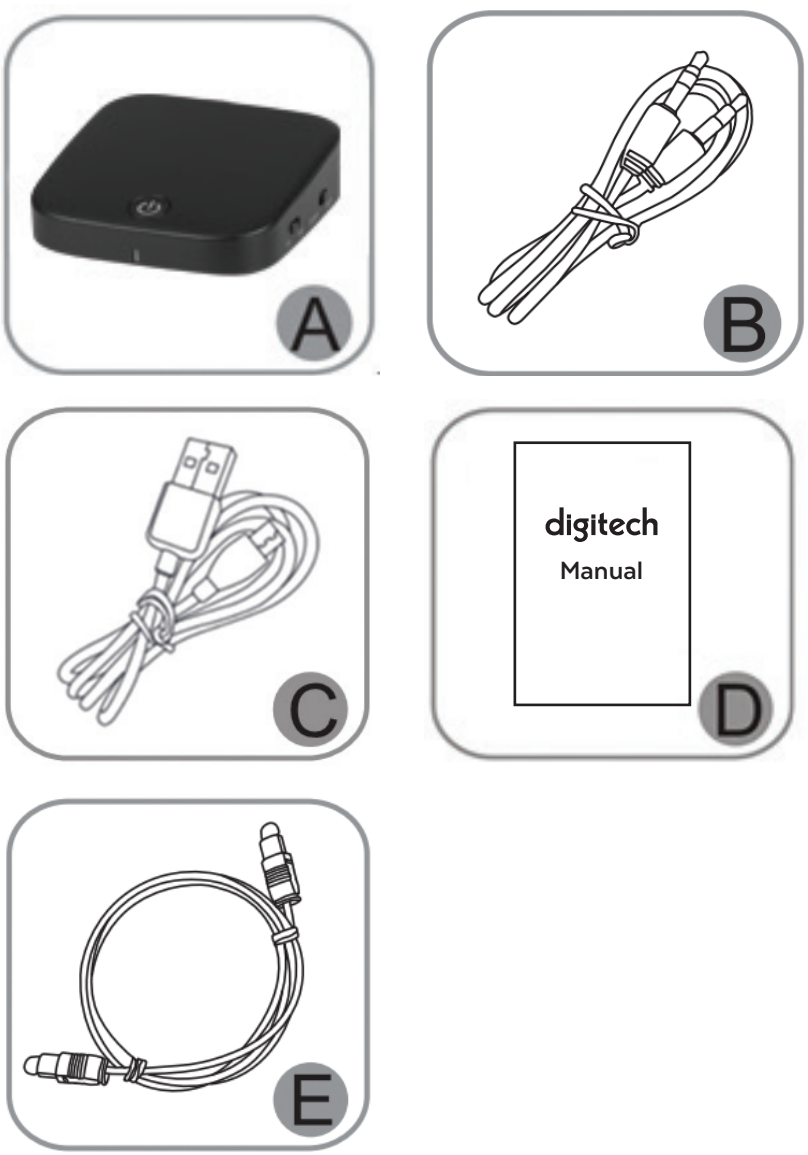
Audio Transmitter and Receiver Dongle with Bluetooth® 5.0 Technology
AA2112
User Manual

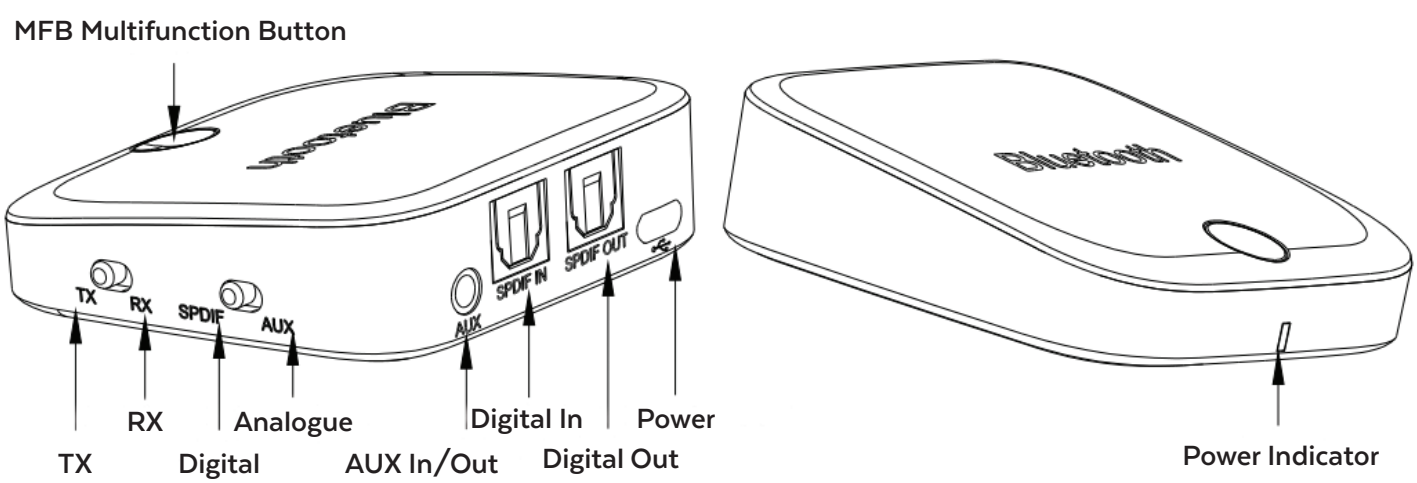
This multi-directional dongle can be set up to transmit or receive. In transmit mode, it can stream an audio source to a Bluetooth® capable receiver or standalone Bluetooth speaker. In receive mode, it can receive streaming from a Bluetooth capable computer, Smartphone, and more, to play on your stereo system, computer, headphones, etc. It retains full digital quality with digital SPDIF/TOSLINK inputs and outputs, but also includes an analogue AUX input and output for older systems. The device supports the latest Bluetooth 5.0 technology, and allows two Bluetooth devices to be paired at the same time. Its compact size and internal rechargeable battery makes it extremely portable. A 2 hour charge provides up to 12-15hrs send/receive time.

Package Contents:
A. Bluetooth Transmitter & Receiver
B. 3.5mm Audio Cable
C. Micro USB Charging Cable
D. User Manual
E. TOSLINK Optic Cable



2. Basic Operation

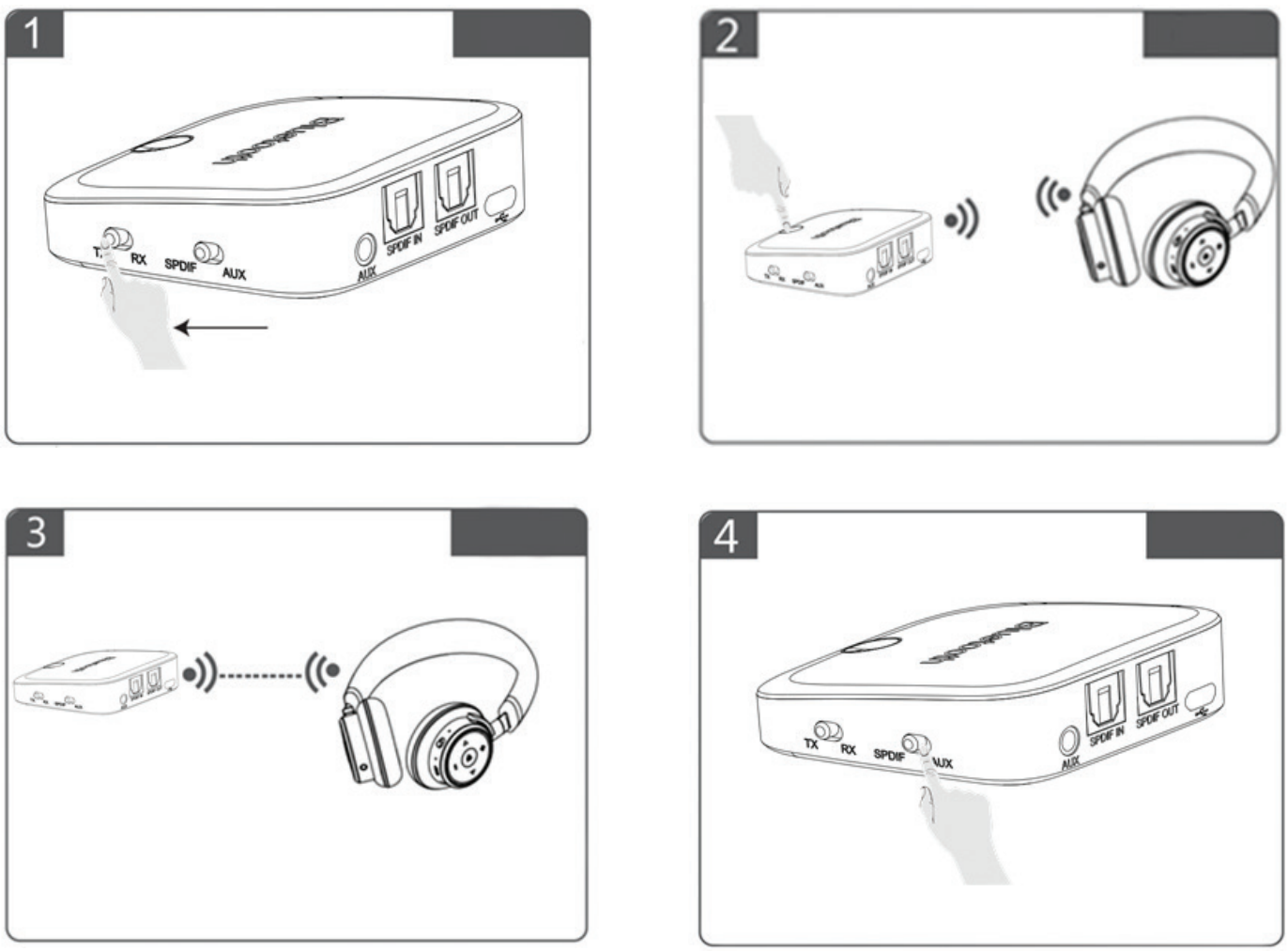
Button	Function	Operation
MFB (Multi Function Button)	Power on/off	Press MFB button for 3 seconds to turn power on or off.
	Play / pause	RX Mode: Press MFB to play or pause music during playing. Does not work in TX mode.
	Enter Pairing Mode	Double press MFB to enter into pairing mode. (Does not work in Multi Point Connections) (RX: Red & Blue LED flash alternately; TX: Blue LED flash quickly)
TX/RX Mode Selection	Slide to TX side or RX side to select the TX or RX mode. • The last mode will be delete when switched to another mode. • Switch to another mode after item turn off at least 3 seconds.	
SPDIF/AUX mode selection	Power off or on status, slide to SPDIF side or AUX side to select the SPDIF or AUX mode.	



3. How to use as a Bluetooth Transmitter (TX)

3.1 Bluetooth Pairing and Connection

A. Off mode, turn to TX switch and long press MFB 3 seconds to power on.
B. Double press MFB to enter into pairing mode with Blue LED flash.
C. Turn on the Bluetooth function of your device (Bluetooth Headphone, Speaker or receiver etc.) to pairing mode, with Red & Blue LED flash alternately or Blue LED flash.
D. Place the AA2112 and your device close and wait in 5-30 seconds for connection, LED turns to low Blue LED flash after connected.
E. Connect AA2112 and your phone with 3.5 mm audio cable, and could play music from your phone to the headphone or speaker.



1. Off mode, slide to TX side.
2. Long press MFB 3 seconds to power on , and double press MFB to enter into pairing mode with Blue LED flash. Turn on the Bluetooth function of headphone or speaker to enter into pairing mode.
3. Place the AA2112 and your device close and wait in 5-30 seconds for connection, Blue LED turns to slow flash after connected.
4. Slide to SPDIF side or AUX side to select the SPDIF or AUX mode (SPDIF port in TX mode is SPDIF IN).

3.2 Multi Point Connection

A. Follow 3.1 to connect with the first device, double press MFB to enter into pairing mode again with Blue LED flash.

B. Turn on the Bluetooth function of the second device (Bluetooth headphone, speaker or receiver etc) to enter into pairing mode. Place the AA2112 and your device close and wait in 5-30 seconds for connection. AA2112 solid Green LED after connected with two devices.

Notes:

*Pls turn off AA2112 and turn on again, and try to reconnect or repair with two devices, when it could not connected with two devices at the first time.

*Multi point connection could compatible with most of the chipset solution at the market, except less of them.

*Single connection priority support aptX™ low latency (connected device also support aptX™ low latency). Two connections priority support aptX™ low latency (connected devices also support aptX™ low latency). Two connections priority support aptX™ (connected devices also support aptX™). Two connections turn to SBC automatically if the CODEC are different.

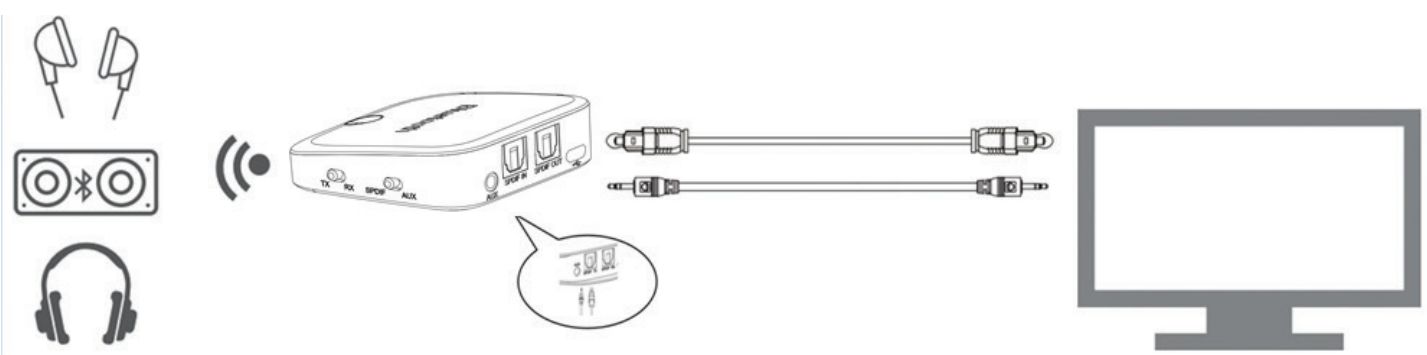
3.3 TV Connection

Connect AA2112 and the TV with 3.5mm audio cable or fibre optic cable, and Bluetooth connect AA2112 with devices (Bluetooth headphone or speaker), and could transmit the audio from TV to the devices.

Notes:

*Pls test the TV with wired headphone or check the TV's audio settings (Select 3.5mm output) to make sure the devices connect in the right way and play audio from the TV.

*Pls connect the TV and SPDIF IN port with fibre optic cable when select the TOSLINK connection mode.



4. How to use as a Bluetooth Receiver (RX)

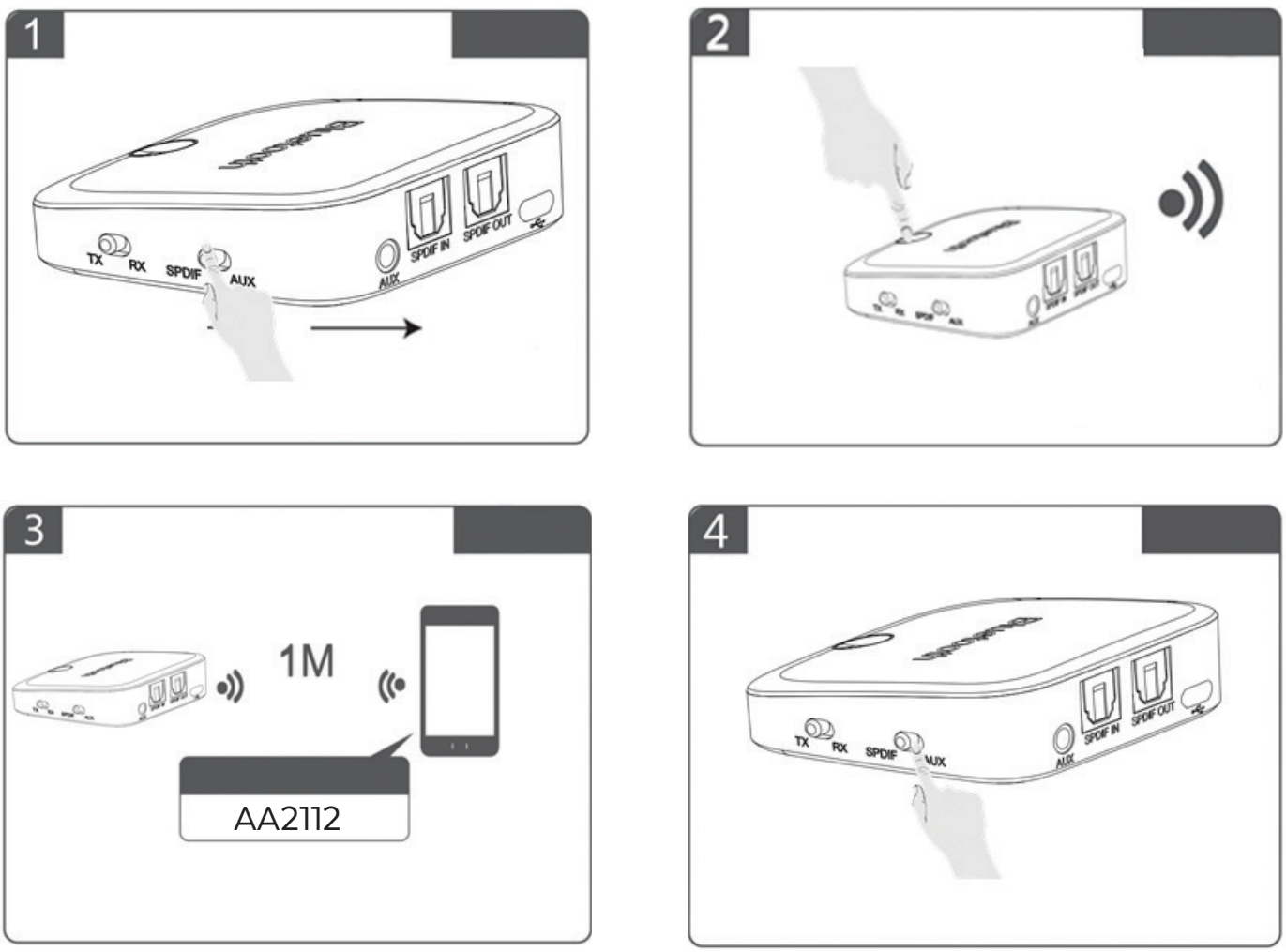
4.1 Bluetooth Pairing and Connection

A. Off mode, turn to RX switch, long press MFB 3 seconds to power on.

B. Double press MFB to enter into pairing mode with Red & Blue LED flash alternately.

C. Turn on Bluetooth function of Phone, search and click to connect AA2112 on Bluetooth device lists.

D. LED turns to solid Blue after connected, connect AA2112 and headphone or speaker with 3.5mm audio cable, play music from phone to the headphone or speaker.



1. Off mode , slide to RX side.

2. Long press MFB 3 seconds to power on , and short press pairing button to enter into pairing mode with Red & Blue LED flash alternately.

3. Turn on Bluetooth function of phone (PC, laptop), search and click to connect AA2112.

4. Slide to SPDIF side or AUX side to select the SPDIF or AUX mode (SPDIF port in RX mode is SPDIF OUT).

4.2 Multi Point Connections

A. Follow 4.1 to connect with the first device (phone, PC, laptop), double press MFB to enter into pairing mode again, red and blue lights flash alternately. (The first connected device is not affected and can be used normally).

B. Double press AA2112 pairing button to enter into pairing mode again with Red & Blue LED flash alternately.

C. Turn on Bluetooth function of the second phone, search and click to connect AA2112 on phone Bluetooth lists. Multi point connection with solid green LED.

Notes:

1. Only could play music from one phone when with two connections.

2. Priority support aptX™ low latency for one connection(Connection device support aptX™ low latency), support CODEC according to the phone which playing music for two connections.

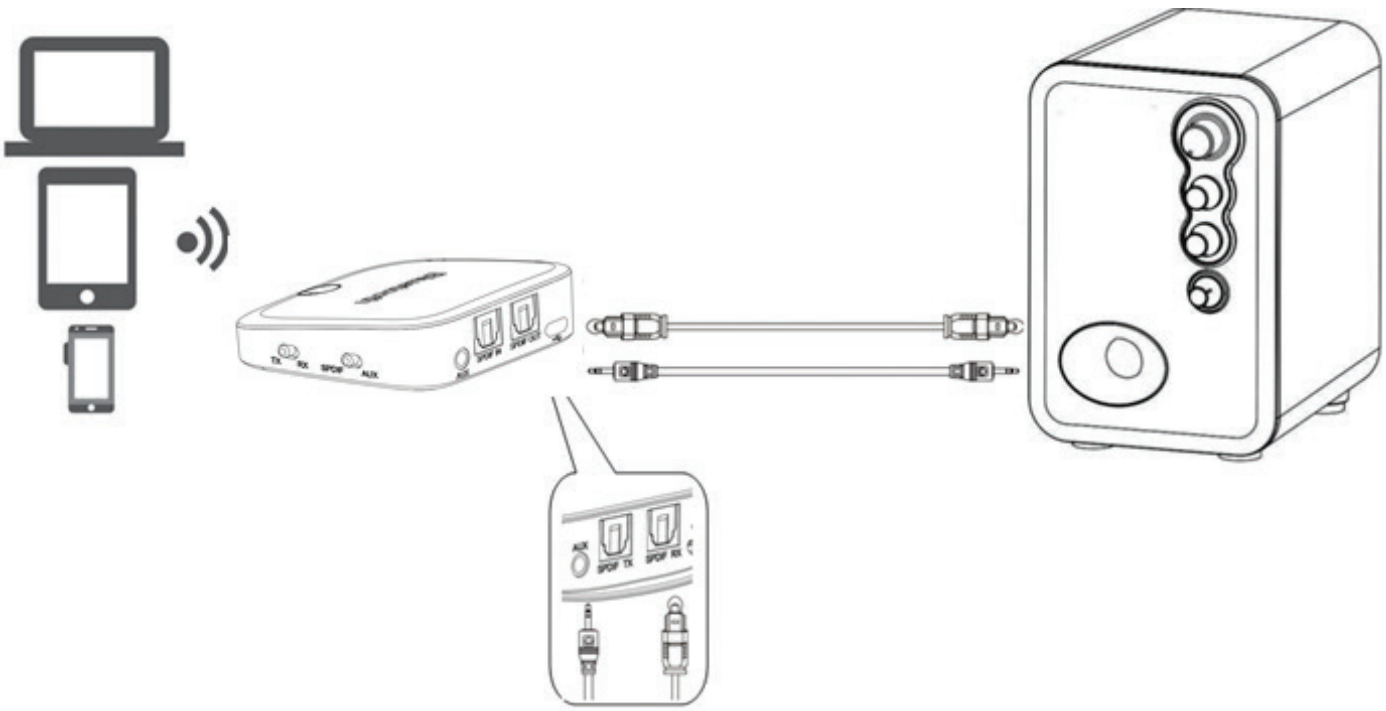
4.3 Speaker Connection

Connect AA2112 and Speaker with 3.5 mm audio cable, and Bluetooth connect with phone (PC, laptop), play music from your phone to speaker.

Notes:

*Pls test the speaker with 3.5 mm audio cable (connect phone) to see if workable, if could not play when connect with AA2112.

*Pls insert to SPDIF OUT port for TOSLINK connection.



5. Charging

Is charging AA2112 when low battery with Red LED flash. LED turn off when full charged (about 2 hours).

Connection for charge

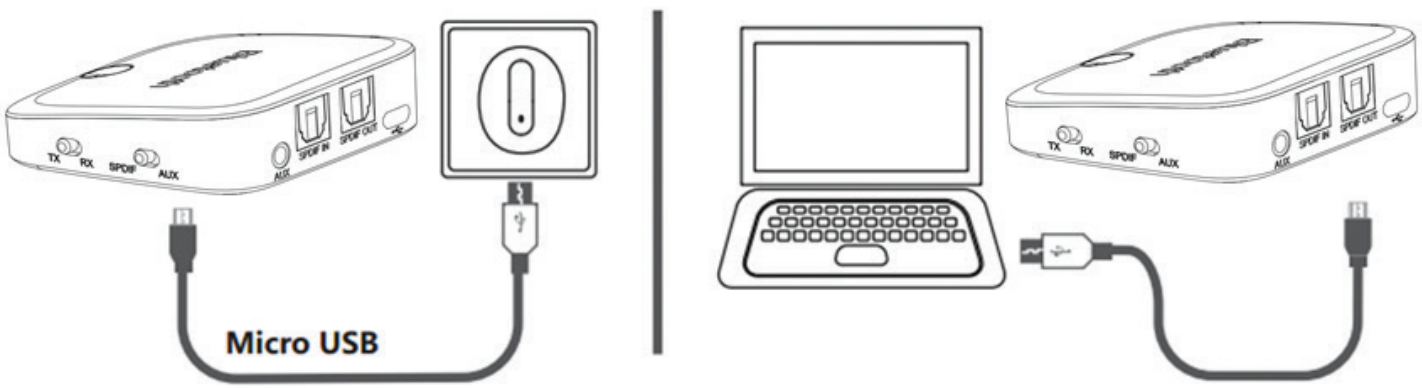
Connect AA2112 and power supply (charger , car charger , computer USB etc)with Micro USB cable.

Notes:

*Pls charge the AA2112 at least once every 2 months if without use.

*Pls press “MFB” and connect with power supply to reset the item , when it dead during use.

*It is normal for charging LED indicator to cover the bluetooth status LED indicator when power on.



6. LED Indicator

Status	LED Indicator
Power On	Blue LED Flash Twice
Power Off	Red LED Flash Twice
Pairing Mode	Blue LED Flash (TX Mode)
	Red & Blue LED flash alternatively (RX Mode)
Disconnect Standby Mode	Blue LED flash once every second (TX mode)
Unconnect standby mode	Blue LED flash once every second (TX mode)
	Blue LED flash twice every 3 seconds (RX mode)
Connected standby mode	Solid Blue LED
Low battery	Red LED flash
Charging	Solid Red LED
Full charged	Red LED turn off

7. Product Specification

Bluetooth Version:	V5.0
Chipset Solution:	CSR 8670
Operation Range:	Class II, 10 metres
Bluetooth Profile:	A2DP, AVRCP
CODEC:	
Receiver:	aptX™ low latency, aptX™, AAC, SBC
Transmitter:	aptX™ low latency, aptX™, SBC
Battery Capacity:	3.7V, 350mAh
Charging Time:	2 hours Approximately
Standby Time:	50 hours Approximately (In Receiver Mode)
Working Time:	
AUX:	15 hours Approximately
SPDIF:	12 hours Approximately
Weight:	39g
Dimensions:	60(W) x 60(D) x 18(H)mm

Notes:

1. Working time will be different depend on different working environment and CODEC.
2. Standby time will be same as working time on TX mode, as it will be working once connected.
3. CODEC code depend on the connected devices and follow the turns as mention.

8. Attention and Q & A

Q. Power off automatically?

A: Without connect with any devices for more than 5 minutes the item will power off automatically in RX mode (6 minutes if have pairing record), except in TX mode.

Q. How to reconnect?

A: AA2112 will reconnect with paired devices when power on. If not , pls follow the 3.1 or 4.1 to pair & connect again.

Q. How to delete the paired records?

A: Switch to another mode (TX or RX) and power on, will delete the paired records of the last mode. (Pls switch to another mode after 3 seconds from power off in last mode.)

Q. Password for connect?

A: Please enter “0000” (four zero), “8888” (four eight), ”1111” (four one), or “1234” (one, two, three, four) for some devices which need password to connect .

Q. Could not power on or dead when connect?

A: Press MFB and connect with power supply to reset the item, and repower for use.

Q. Charging power supply?

A: Charging power supply: 5V, ≥500 mA. (Charger, car charger , computer USB etc).

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