Bluetooth Transmitter & Receiver
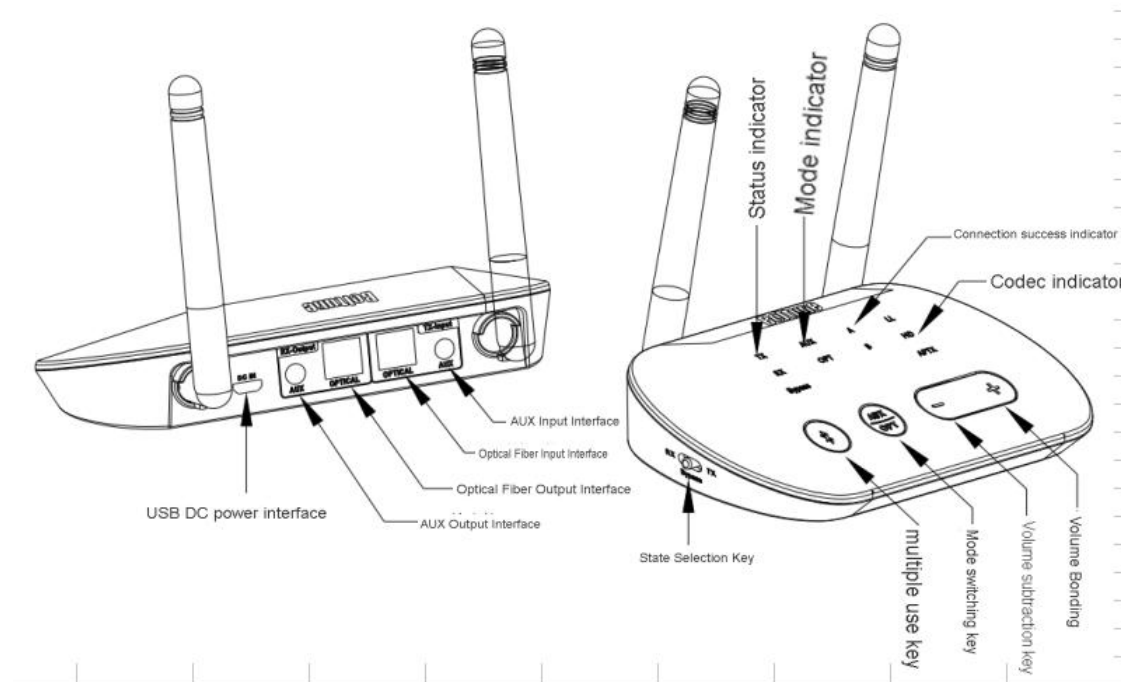
User Manual
Model:I3

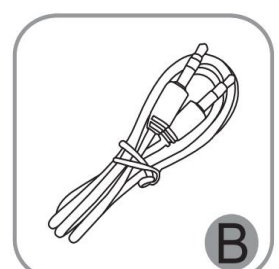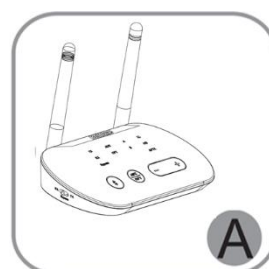**Contents:**

1. Product Overview

Status indicator
Mode indicator
Connection success indicator
Codec indicator

AUX Input Interface
Optical Fiber Input Interface
Optical Fiber Output Interface
USB DC power interface
AUX Output Interface

State Selection Key

multiple use key
Mode switching key
Volume subtraction key
Volume Bonding

USB DC Power Supply Port / AUX Output Port / SPDIF Output Port / SPDIF Iinput Port / AUX Input Port

Working Status Switch/ Working Status Indicator / Audio Mode Indicator / Connected Device Indicator / CODEC Indicator / Multi Function Button(MFB) / Audio Mode Switch / Volume - / Volume +
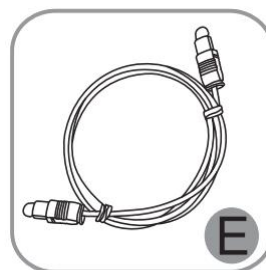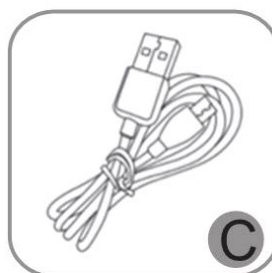

A

B

Package Contents：

A. Bluetooth Transmitter & Receiver *1

B. 3.5mm Audio Cable *1

C. Micro USB Charging Cable *1

D. User Manual *1

E. Fiber Optic Cable *1

2. Basic Operation

Button	Function	Operation
MFB (Multi Function Button)	Pairing mode	Double press when in standby or connected status. (Not work in Multi Point Connection)
	Play / Pause (RX)	Short press when playing music *Not work in TX mode
	aptX™ HD on / off (TX / RX)	Under power on status, long press for 7 seconds
Volume +	Volume + (RX)	Short press
	Next song (RX)	Long press for 1 second
Volume -	Volume - (RX)	Short press
	Previous song (RX)	Long press for 1 second
Working Status Switch	Switch to RX side for receive status, switch to TX side for transmit status, switch to BYPASS for direct connection status.	
Audio Mode Switch	Short press to switch between AUX and Optical.	

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

3.1 Bluetooth pairing and connection

A. Plug USB DC power supply to power on, switch to TX status. Or switch to TX status then power on.

B. It will enter pairing status automatically with TX LED fast flash (You could double press MFB to enter pairing mode if it didn't enter).

C. Turn on the Bluetooth function of your device (bluetooth headphone, speaker or

receiver) to pairing mode with Red & Blue LED flash alternately or Blue LED flash.

D. Place KH21 and the device close and wait for 5-30 seconds, after successful

connection, KH21 turn to solid TX LED , solid A LED, and solid CODEC LED , please

refer to Point 6.

E. Connect KH21 with phone or TV through 3.5mm audio cable or fiber optic cable,

the music can be heard from headphone or speaker.

3.2 Multi Point Connection

A．Follow 3.1 to connect with the first device, double press MFB button to enter

ith TX LED fast flash (The first connected device will work

连接 USB DC 电源开机
短按 OPT/AUX 键选择 OPT 状态进入**配对模式**

B. Turn on the second device (bluetooth headphone, speaker or receiver) enter

into pairing mode, place it close with KH21 and wait for 5-30 seconds, KH21 will

connect two device with "A" "B" solid Blue LED (The first device will have music issue when connect to second device, then it will be fine after few seconds).
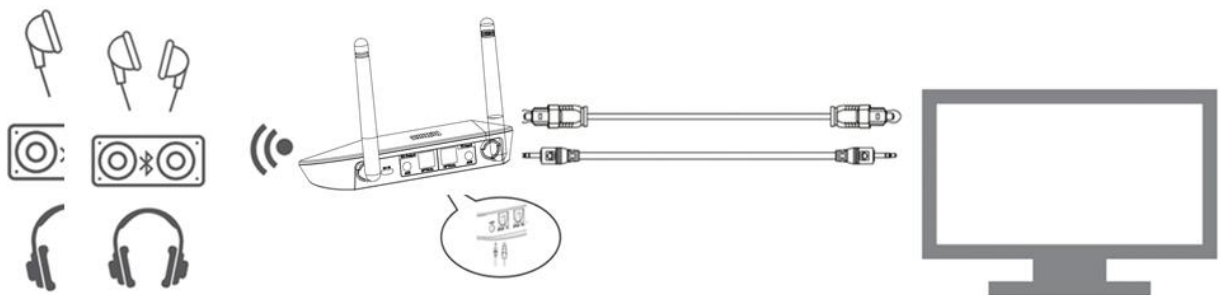

Note：

*If KH21 can not connect two devices, please power on again and try to reconnect, or try to pair two devices again.

*Multi Point Connection can be compatible with most of bluetooth device, but there are some devices maybe have some problem when connect with it.

3.3 TV Connection

Connect KH21 and the TV with 3.5mm audio cable or fiber optic cable, and Bluetooth connect with headphone or spkeaer, play music from TV to headphone or speaker.

 Notes：
*Please test the TV with wired headphone by selecting 3.5mm output to check the TV's audio settings to make sure the devices connect in the right way and play audio from the TV.

*If bluetooth headphone can not hear sound from TV, please check the TV audio setting, normally can output sound one of them or all: fiber optic, 3.5mm, tv speaker.

*Please insert fiber optic cable to TX-Input-OPTICAL port , insert 3.5 mm audio cable to TX-Input-AUX port.

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

4.1 Bluetooth pairing and connection

A．Connect USB DC power supply to power on, switch to RX status. Or switch to RX status then power on.

B．It will enter pairing status automatically with RX LED fast flash (You could double press MFB to enter pairing mode if it didn't enter).

C．Place KH21 and your phone (PC or tablet) close, turn on bluetooth function then search and connect BT-BA002. The RX LED will turn on, meanwhile "A" and CODEC LED also turn on, please refer to Point 6.

D．After successful connection, the speaker can be played music from phone (PC or tablet) with 3.5mm audio cable or fiber optic cable connect to KH21.

1 Setting   Under power off status, switch to RX then plug power supply cable to power on. Or under power on status switch to RX side.

4.2 Multi Point Connection

A. Follow 4.1 to connect with the first phone (PC or tablet).

B. Double press KH21's MFB to enter pair status with RX LED fast flash (The first connected device will work well).

C. Turn on the bluetooth function of the second phone (PC or tablet), search and connect KH21's pair name. Multi point connection is working with "A" "B" LED turn on.

Note

*Only could play music from one phone when with two connections. Need to stop the first one's music then to play the other one's music.

4.3 Speaker Connection

Connect KH21 and Speaker with 3.5 mm audio cable or fiber optic cable, and bluetooth connect with phone (PC, laptop), play music from your phone to speaker.
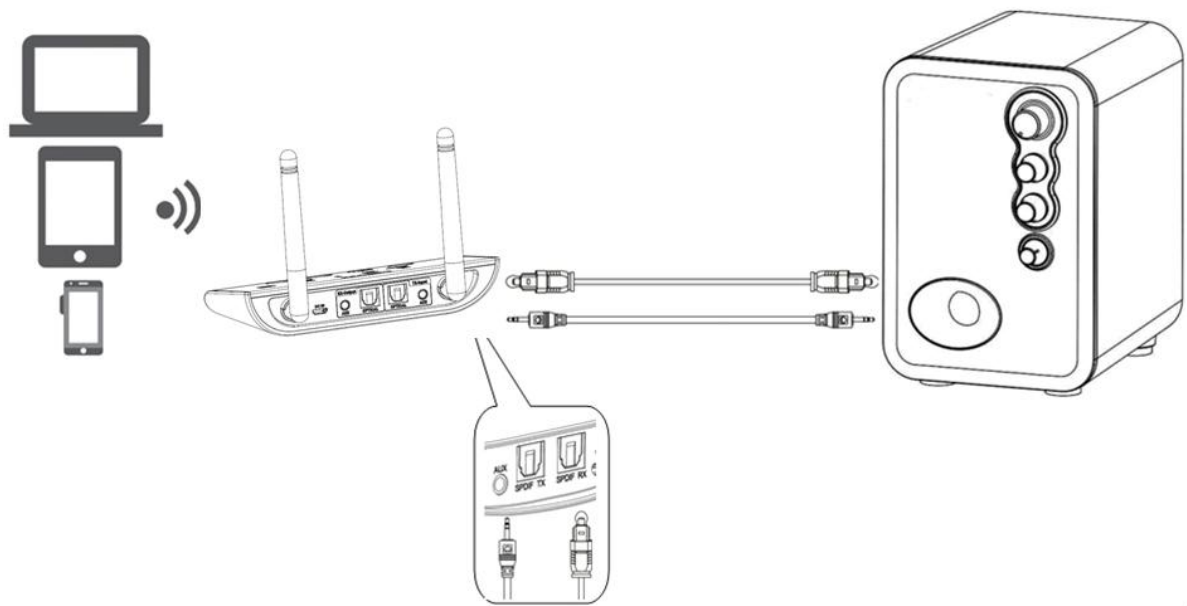
Notes：

*Please test the speaker with 3.5 mm audio cable (connect with phone) to see if workable, if could not play when connect with KH21.

*Please insert fiber optic cable to RX-Output-OPTICAL for Toslink connection, RX-Output-AUX for 3.5mm connection.

5 . How to use BYPASS function

Enter BYPASS: Plug DC power supply, switch to BYPASS status with solid BYPASS LED. BYPASS mode is direct connection, short press Audio Mode Switch to select between AUX and OPT.

1. Solid AUX LED : AUX-Input to AUX-Output

2. Solid OPT LED: OPT-Input to OPT-Output

3. AUX LED flash once, then turn to solid AUX and OPT LED: AUX-Input to OPT-Output

4. OPT LED flash once, then turn to solid OPT and AUX LED: OPT-Input to AUX-Output

6. LED Indicator

Status	LED Indicator		
Power on	TX flash twice (TX status)		
	RX flash twice (TX status)		
Power off	All turn off		
Paring	TX fast flash (TX status)		
	TX fast flash (RX status)		
Unconnected standby / Reconnecting	TX flash once every 3 seconds (TX status)		
	RX flash once every 3 seconds (RX status)		
Connected with once device	"A" turn on		
aptX-HD™ on	TX is on for 1.5 seconds (TX / RX status)		
aptX-HD™ off	TX flash twice (TX / RX status)		
Connected with two devices	"A" and "B" turn on		
Connected working status	aptX™ HD	HD turn on	
	aptX™ low latency	LL turn on	
	aptX™	APTX turn on	
	SBC	N/A	

7. Product Specification

Bluetooth version	V5.0
Bluetooth chipset	CSR 8675
Operation range	RX: 15 meters, TX: 50 meters
Bluetooth profile	A2DP, AVRCP
CODEC	aptX™ HD, aptX™ low latency, aptX™ , SBC
Working temperature	-10-55℃
Net weight	About 81.5g
dimension	132*75*29MM

7. Attention and Q & A

A. How to reconnect?

A: KH21 will reconnect with paired devices when power on. If not , please follow the 3.1 or 4.1 to pair & connect again.

B . How to delete the paired records?

A: Under TX and power on status, long press "Volume +" 7 seconds to delete the

paired records, TX and RX will flash twice simultaneously (Not work in RX status).

C . 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

D. Could not power on or dead when connect?

A: Please plug power supply again.

E. How to do if can't connect?

A: Please try delete the paired records of KH21 and the other devices

F. How to turn on / off aptX-HD?

A: Under power on status, long press MFB for 7 seconds turn on / off HD mode (KH21 will reset and power on then reconnect the devices)

FCC STATEMENT :

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

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an
uncontrolled environment. This equipment should be installed and operated
   with minimum distance 20cm between the radiator & your body.