

**BTI-018**

## **Bluetooth transmitter and receiver 2 in 1**



Welcome to use mode BTI-018: Bluetooth transmitter and receiver 2 in 1

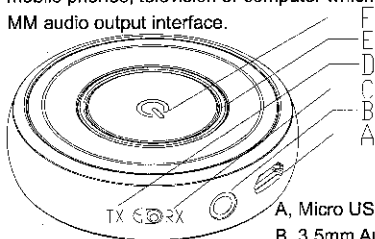
### **Product Overview**

It is a Bluetooth transmitter and receiver in one model. When you used it as a Bluetooth transmitter, it could help to send the audio signal to your Bluetooth receiver device such as Bluetooth headphone or Bluetooth speaker etc. via Bluetooth technology. When it worked as receiver, it could worked as a stereo Bluetooth headphone( plug the 3.5mm earphone cable to 3.5mm Aux socket)Or connect with audio device such as speaker, to get the audio signal via wireless transmission.

Please read the user's guide carefully before using the product.

## product picture and function description

When ready to use the BTI - 018, you need a full charged BTI - 018, and other audio devices such as walkman, mobile phones, television or computer which support 3.5 MM audio output interface.



- A, Micro USB charging port
- B, 3.5mm Aux-in /out
- C, Slide option \_Receiver
- D, Slide option \_Transmitter
- E, LED Indicator
- F, Multi-function button

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## Specification

|  |  |
|--|--|
| Model No.  | BTI-018  |
| Bluetooth version  | V4.1, Class II   |
| Bluetooth chipset  | CSR BC8670   |
| Frequency  | 2.402GHz-2.480GHz  |
| Receiver working time  | About 14hrs  |
| Transmitter working time   | About 14hrs.   |
| Charging time  | Around 2 hours   |
| Bluetooth profile  | A2DP   |
| Support dual stream in transmittermode   | Transmitter could connect two Bluetooth speakers or two Bluetooth headset simultaneously(These Bluetooth devices should support the same CODEC). |
| Support dual connection in receivermode  | Support connecting with two mobile phone simultaneously  |
| Passcode for supported Bluetooth headset, Bluetooth receiver, Bluetooth speaker etc. | 0000, 1111, 1234, 8888   |
| CODEC  | Priority: APT-X;Second:SBC   |

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|                     |   |
|---------------------|---|
| APT-X tips          | Single connection, priority support APTX 48kHz CODEC (headset or speaker also should support APT-X); Two connections, it will switch a to SBC CODEC automatically |
| Battery             | 280mAh rechargeable lithium battery   |
| Charging supply     | 5VDC, 100-240V AC adapter, $\geq 300\text{mA}$  |
| Working temperature | -10—55 °C   |
| Net weight          | Approx. 21g   |
| Dimension           | $\Phi 49 \times 13\text{mm}$  |

## preparation before using

### 1.Charging

For the first using, please fully charged the model BTI-018. When the device is in working mode, if the RED LED flashes three times continuously (not include Red LED flashes once for successfully connection), means the unit is working in low voltage, please charge the unit. It will take around 2hours to charge the unit fully. It is solid Red LED while charging and Red turns off after full charged.

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## Worked as a Bluetooth transmitter

### Function option for BTI-018

Change different working mode through the Siide option button.

When the unit in off state, please slide the button to "TX" side, then long press MFB to power on the unit, all the paired device information in RX mode will be deleted after power on.

Changing different mode (TX or RX) should be done more than 3 seconds later after the unit power off, this is because 3 seconds is not enough for chipset to power-off. If sliding the mode button within 3seconds after power off, it maybe keep the last working mode.

Note: when worked as the Bluetooth transmitter, it only could store 4 device information and the stored devices information will be updated by the latest paired device. (If the stored device is too much, the repairing time will be long.)

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- A. It will take around 7 seconds to automatically reconnect with the unit which connected before if BTI-018 only stored one device information.
- B. It will take around 12 seconds to automatically reconnect with the unit which connected before if BTI-018 only stored two device information.
- C. It will take around 17seconds to automatically connect back with the unit which connected before if BTI-018 only stored three device information.
- D. It will take around 22 seconds to automatically connect back with the unit which connected before if BTI-018 only stored four device information.

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## **Basic operation**

### **1.power on**

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In off state, press MFB around 3 seconds, Blue LED flashes twice; BTI-018 is powered on. (If BTI-018 did not connect with any device before, it could enter into pairing mode quickly after power on)

### **2.Power off**

In on state, press MFB around 3 seconds, Red LED flashes twice ( if release immediately once red LED light, Red LED may only flashes once), BTI-018 power off. Please repower on the unit after 3 seconds later after powered off the unit since the voltage of the chipset may not disappear totally.

### **3.Pairing mode**

Power on the unit, double click the MFB, Blue LED flashes quickly to enter pairing mode, it will be in disconnected standby mode if no connections in 2 minutes.

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#### **4. Clear up the pairing list**

Power off with the current working mode, 3 seconds later, change to the other working mode, then power on, the pairing information for the former mode will be cleared up.

#### **5. Connect with all the connected device:**

Power on the unit ( when two connections simultaneously ), short press MFB to connect back with all the connected device automatically, but it only support two devices connection simultaneously, prioritize the latest two connected devices), successfully connected, BTI-018 is solid blue. If BTI-018 could not connect with any device more than 22 seconds (This is up to how many paired device BTI-018 stored), it will enter into pairing mode.

#### **6. Power off automatically**

BTI-018 will power off automatically when the battery voltages lower than 3.1V.

#### **7. LED indicator in transmitter mode**

|                          |                                    |
|--------------------------|------------------------------------|
| Power on                 | Blue LED flashes twice             |
| Pairing                  | Blue LED flashes quickly           |
| Unconnected standby mode | Blue LED flashes once every second |
| Connected standby mode   | Solid Blue LED                     |
| Low voltage              | Red LED flashes quickly            |
| Charging                 | Solid Red                          |
| Fully charged            | Red LED turns off                  |

#### **8. Working while charging:**

When you want to use BTI-018 continuously, because of the limited battery capacity, you could use the unit while

charging. (DC 5V  $\geq$ 300Ma, if the battery voltage is too low, or the poor power supplier, it may have current noise.)

Please connect the unit to the power supply firstly, then power on BTI-018. (The chipset will reset momentarily when connecting with power supply, this also could work when the unit is dead). Do not use the unit while charging because it may shorten the battery's life time.

### **Working as a Bluetooth receiver**

Change different working mode through the Slide option button.

When the unit in off state, please slide the button to "RX" side, then press MFB to power on the unit, all the paired device information in TX mode will be deleted after power on.

Change the different mode (TX or RX) should be done more than 3 seconds later after the unit power off, this is

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because 3 seconds is not enough for chipset to power-off. If change the working mode within 3seconds after powered off, it maybe keep the same working mode. BTI-018 could store only 8 paired device information when worked as Bluetooth receiver, if there are more than 8 devices the stored devices information will be updated by the latest paired device.

#### **1.Power on**

In off state, press MFB around 3 seconds, Blue LED flashes twice, BTI-018 is powered on. (If BTI-018 did not connect with any device, it could enter into pairing mode quickly after power on)

#### **2.Power off**

In on state, press MFB around 3 seconds, Red LED flashes twice ( if release immediately once red LED light, Red LED may only flashes once), BTI-018 power off. Please re power on the unit after power off the unit 3

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seconds, the voltage of the chipset may not disappear totally.

### **3. Pairing mode**

Power on the unit, double click the MFB, Blue and Red LED flashes alternately, the unit enter into pairing mode, it will power off automatically if no connections in 6 minutes.

### **4. Play /pause**

In music playing, press MFB to pause, press again to play continually

### **5. Clear up the pairing list**

Power off with the current working mode, 3 seconds later, change to the other working mode, then power on, the pairing information for the former mode will be cleared up

### **6. Connect with all the connected device:**

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Power on the unit, BTI-018 will connect back with all the connected device automatically, but it only support two connections simultaneously, prioritize the latest two connected devices), successfully connected, BTI-018 is solid Blue

When worked as receiver, Simultaneously connect with two other device, BTI-018 will receive signal for playing from the faster connected device. If you want to receive signal from the other device, it is need to pause or close the playing on current device.

### **7. Power off automatically**

The BTI-018 will power off automatically when the battery voltages lower than 3.1V or no connections around 6 minutes

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### 8.LED indicator in receiver mode

|                          |  |
|--------------------------|--|
| Power on                 | Blue LED flashes twice                     |
| Pairing                  | Blue and Red LED flashes alternately       |
| Unconnected standby mode | Blue LED flashes twice every three seconds |
| Connected standby mode   | Solid Blue LED                             |
| Low voltage              | Red LED flashes quickly                    |
| Charging                 | Solid Red                                  |
| Fully charged            | Red LED turns off                          |

### 9. Using while charging

When you want to use BTI-018 continuously, because of the limited battery capacity, you could use the unit while charging.( DC 5V  $\geq$ 300Ma, if the battery voltage is too low, or the poor power supplier, it may have current noise.)

Please connect the unit to the power supply firstly, then power on the BTI-018,( The chipset will reset momentarily when connecting with power supply, this also could work when the unit is dead). Do not use the unit while charging because it may shorten the battery's life time.

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## How to use it as a Bluetooth transmitter

### 1. BTI-018 and stereo Bluetooth headphone or Bluetooth speaker (A2DP enabled) work on the TV

- A. Make the Bluetooth speaker or Bluetooth headset in pairing mode.
- B. Press MFB around 3 seconds until Blue LED flashes quickly to enter into searing mode, if BTI-018 does not enter into pairing mode, press MFB 2second then release ( keep the operation consistently ) to enter into pairing mode.
- C. Put the BTI-018 and Bluetooth speaker or Bluetooth headset together, around 30s seconds later, BTI-018 will connect with Bluetooth speaker or Bluetooth headset automatically.
- D. Connect the BTI-018 and TV with 3.5mm audio cable. (Plug one side of the audio cable to the audio output jack of the TV, the side to BTI-018)

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E. It could hear the sound coming from TV in the Bluetooth headset or Bluetooth speaker. If Bluetooth speaker or Bluetooth headset have no sound, please ensure the aux output is by the headset output, the volume of the TV is loud enough, the cable connects right. Use your finger to touch the DC part of the audio cable that connected with BTI-018 to check if the audio source has problems. When the connection is successful and the volume of headset or speaker is big enough, you will hear a "zi, zi" sound, it means BTI-018 and Bluetooth speaker or Bluetooth headphone and cables are ok, the problem may be on the audio source (TV)

**2. BTI-018 and Bluetooth headset or Bluetooth speaker which must support A2DP work together on the computer.**

A. Make the Bluetooth speaker or Bluetooth headset in pairing mode.

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- B. Press MFB around 3 seconds until Blue LED flashes quickly to enter into pairing mode, if BTI-018 does not enter into pairing mode, press MFB 2s to release, then double click MFB(( keep the action consistently )) to enter into pairing mode.
- C. Put BTI-018 and Bluetooth speaker or Bluetooth headphone together, around 30 seconds later, BTI-018 will connect with Bluetooth speaker or Bluetooth headphone automatically.
- D. Connect the BTI-018 and computer with 3.5mm audio cable.
- E. It could hear the sound coming from computer in the Bluetooth headset or Bluetooth speaker. If no sound in the Bluetooth speaker or Bluetooth headset, please ensure the aux output is the headset output, the volume of the computer is loud enough, the cable connects right or not. Use your hands to touch the plug of the

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audio cable of BTI-018 to check if the audio source has problems. When the connection is successful and the volume of headset or speaker is big enough, you will hear a "zi,zi" sound, it means BTI-018 and Bluetooth speaker or Bluetooth headphone and cables are ok, the problem may be on the computer.

(Note: Passcode for supported Bluetooth headset, Bluetooth receiver, Bluetooth speaker etc. is "0000", "1234", "1111", "8888".

**3. BTI-018 and Bluetooth headset or Bluetooth speaker that supported A2DP can work on other audio device which supports headset profile). BTI-018 and Bluetooth headset or Bluetooth speaker could replace a wired earphone and become the wired connection to wireless connection, remove the wire limited, bring more fun for you.**

## **BTI-018 connect with two device simultaneously while working as a Bluetooth transmitter**

**This unit could connect with two stereo Bluetooth speaker or Bluetooth headset to play music simultaneously**

1. Named the two Bluetooth headsets or two Bluetooth speakers as A and B.
2. Select TX mode for the device BTI-018
3. Follow the above pairing steps when working as a Bluetooth transmitter to connect device A with BTI-018
4. When connection is successful, power off device A, and pairing Device B with BTI-018 (following the same pairing steps)
5. After successfully connecting with device B, then power off BTI-018.

6. Power on device A (do not enter into pairing mode, but if it enters into pairing mode, it's also ok), around 10-20 seconds later (at this moment, most of the Bluetooth speakers are in automatically connecting mode, please wait a moment). Then power on the BTI-018 (no need to enter into pairing mode), it will search and connect with device A and B automatically, the pairing time will take around 30 seconds. Then connect to audio resource to check if the two devices could play simultaneously. If not, please power off BTI-018, and reopen BTI-018 to connect with device A and B.

If still does not work, please rework the steps for two connections simultaneously.

**The compatibility testing report for BTI-016 worked as Bluetooth transmitter to connect with two device simultaneously**

1. Due to different Bluetooth chipset has different function firmware setting and different operations, therefore some Bluetooth speaker or Bluetooth headset may have compatible problems with BTI-018. When one of the devices has no sound or discontinuous playing, please re-pair the two devices two or three times to check if there has same situation, then we could have a result if it is wrong in compatibility

2. Following is the test result of main chipsets in market:

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| Bluetooth transmitter | Chipset for device A | Chipset for Device B | Result |
|-----------------------|----------------------|----------------------|--------|
| BTI-018               | CSR 8635             | CSR 8635             | pass   |
| BTI-018               | CSR 8635             | CSR 8645             | pass   |
| BTI-018               | CSR 8635             | CSR 8610             | pass   |
| BTI-018               | CSR BC57E687C        | CSR 8635             | pass   |
| BTI-018               | CSR BC57F687A05      | CSR 8635             | pass   |
| BTI-018               | CSR 8635             | CSR 8640             | pass   |
| BTI-018               | CSR 8635             | ISSC1681S            | pass   |
| BTI-018               | CSR 8635             | WS9623               | pass   |
| BTI-018               | CSR 8635             | BK 8006              | pass   |
| BTI-018               | CSR 8645             | CSR 8645             | pass   |
| BTI-018               | CSR 8610             | CSR 8645             | pass   |
| BTI-018               | CSR BC57F687A05      | CSR 8645             | pass   |
| BTI-018               | CSR 8645             | CSR 8640             | pass   |
| BTI-018               | ISSC1681S            | CSR BC8645           | pass   |
| BTI-018               | CSR BC57E687C        | CSR 8645             | pass   |
| BTI-018               | CSR BC8635           | CSR 8645             | pass   |
| BTI-018               | WS9623               | CSR 8645             | pass   |
| BTI-018               | CSR 8645             | BK 8006              | pass   |

|         |                 |                 |      |
|---------|-----------------|-----------------|------|
| BTI-018 | CSR 8610        | CSR 8610        | pass |
| BTI-018 | CSR BC57E687C   | CSR 8610        | pass |
| BTI-018 | CSR 8640        | CSR 8610        | pass |
| BTI-018 | ISSC1681S       | CSR 8610        | pass |
| BTI-018 | BC57F687A05     | CSR 8610        | pass |
| BTI-018 | WS9623          | CSR 8610        | pass |
| BTI-018 | BK 8006         | CSR 8610        | pass |
| BTI-018 | CSR BC57E687C   | CSR 8640        | pass |
| BTI-018 | CSR 8640        | CSR 8640        | pass |
| BTI-018 | CSR BC57F687A05 | CSR 8640        | pass |
| BTI-018 | WS9623          | CSR 8640        | pass |
| BTI-018 | ISSC1681S       | CSR 8640        | pass |
| BTI-018 | BK 8006         | CSR 8640        | pass |
| BTI-018 | CSR BC57F687A05 | CSR BC57F687A05 | pass |
| BTI-018 | CSR BC57F687A05 | CSR BC57E687C   | pass |
| BTI-018 | CSR BC57F687A05 | ISSC1681S       | pass |
| BTI-018 | CSR BC57F687A05 | WS9623          | pass |
| BTI-018 | CSR BC57F687A05 | BK 8006         | pass |
| BTI-018 | ISSC1681S       | WS9623          | pass |

|         |               |               |      |
|---------|---------------|---------------|------|
| BTI-018 | ISSC1681S     | ISSC1681S     | pass |
| BTI-018 | ISSC1681S     | BK 8006       | pass |
| BTI-018 | BK 8006       | BK 8006       | pass |
| BTI-018 | CSR BC57E687C | CSR BC57E687C | pass |
| BTI-018 | CSR BC57E687C | WS9623        | pass |
| BTI-018 | CSR BC57E687C | ISSC1681S     | pass |
| BTI-018 | CSR BC57E687C | BK 8006       | pass |
| BTI-018 | WS9623        | WS9623        | pass |
| BTI-018 | WS9623        | BK 8006       | pass |

**BTI-018 connect with two device simultaneously while working as a Bluetooth receiver**

**Note: BTI-018 could connect with two mobile phone simultaneously (but could not play music from two mobile phone at the same time. you could choose any mobile phone to play music, but it need to pause or end the music from other mobile phone )**

1. Named the two mobile phone as A and B.
2. Following the pairing steps to connect A with BTI-018, after successful connection, please switch off the Bluetooth of the mobile A. Double click MFB of BTI-018 to enter into pairing mode.
3. Connect mobile B with BTI-018. After successfully connection, power off BTI-018. Switch on the Bluetooth of mobile A, and the power on BTI-018, around 30 seconds BTI-018 and two mobile phones will connect automatically.

### Package in side

|                    |     |
|--------------------|-----|
| BTI-018            | 1PC |
| USB charging cable | 1PC |
| Audio cable        | 1PC |
| Manual             | 1PC |

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### Tips for pairing:

1. Put the Bluetooth headset or Bluetooth speaker into pairing mode. Then power on BTI-018. If the Bluetooth headset or Bluetooth speaker ever connected with BTI-018, it will connect to BTI-018 quickly again, no need to make BTI-018 enter into pairing mode.
2. If BTI-018 can not connect with the Bluetooth headset or speaker after more than 1 minutes. Please try to clear up the pairing list of BTI-018. If the Bluetooth headset or Bluetooth speaker connected with BTI-018 before, please reopen the BTI-018 after clear up the pairing list.

### Battery information

Your device is powered by a rechargeable battery. The full performance of a new battery is achieved only after two of three complete charge and discharge cycles. The battery can be charged and discharged hundreds of

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times, but it will eventually wear out. Do not leave a fully charged battery connected to a charger since overcharging may shorten battery lifetime. If left unused, a fully charged battery will lose power with time past. Leaving the device in hot or cold places, such as in closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Should always try to keep the battery between 15 °C and 25 °C. Battery performance is particularly limited in temperatures well below freezing. Do not dispose of batteries in a fire as they may explode. Battery may also explode if damaged.

### **Environmentally friendly disposal**

Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to

these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.

#### Caution

Risk of explosion if battery is replaced by an incorrect type.

Dispose of used batteries according to the instructions.

