



## **BTC8 – User Manual**

**Bluetooth Hands Free Car Kit & FM  
transmitter**

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Please read the Bluetooth BTC8 user manual carefully before using it.

## 1. Warranty

BTC8 is covered under a 1 year limited hardware warranty. Please contact [service@kinivo.com](mailto:service@kinivo.com) if you need assistance or if you have any questions

## 2. Brief Introduction

### *a) Bluetooth Wireless Communication Technology*

Bluetooth is a standard of close range radio-communication technology that was drawn up by Ericsson, IBM, Intel, Nokia and Toshiba. With Bluetooth technology, we can achieve the highest transmission rate among cell phones, computers, printers, PDAs and other devices. The max transmission range of class 2 is 10 meters while the max transmission range of class 1 can reach up to 100 meters.

### *b) About BTC8*

BTC8 is a Bluetooth hands-free car kit with a Bluetooth stereo receiver and built-in FM transmitter. It has a DC 5V USB Charging socket to charge devices. With BTC8 you can make calls and listen to your music using the FM stereo in your car. BTC8 has following features:

- i) Bluetooth hands-free car kit—Pair with a Bluetooth cell phone or PDA supporting HFP:
  - (1) Answer call, end call and reject call
  - (2) Redial last number
  - (3) Adjust volume
  
- ii) Bluetooth music receiver - Pair with a Bluetooth music device or Bluetooth transmitter supporting A2DP:
  - (1) Enjoy music wirelessly

- (2) Adjust volume
- (3) Remotely control pause/play
- (4) Remotely control previous/next song

c) *FM transmitter:*

- i. Transmit calls or music to the car's FM radio
- ii. Adjust transmission frequency
- iii. Adjust volume

d) *Line in and Line out:*

- i. Line in—Transmit music to BTC8 from a music playback device with a 3.5mm audio cable
- ii. Line out—Transmit calls or stereo music from BTC8 to the car's stereo system with a 3.5mm audio cable instead of using the FM transmission.

e) *USB Charging Socket:*

BTC8 has a USB charging socket which provides DC 5V voltage for charging other devices.

**Note:** If you want to charge other devices using the USB socket, the cigarette lighter socket needs to provide 400mA at least.

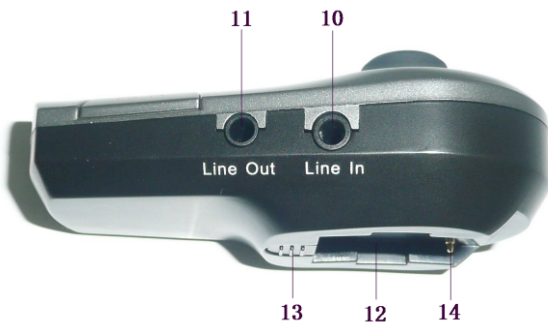


### 3. Before Use







#### a) Overview



#### Main body



#### Cigarette lighter plug

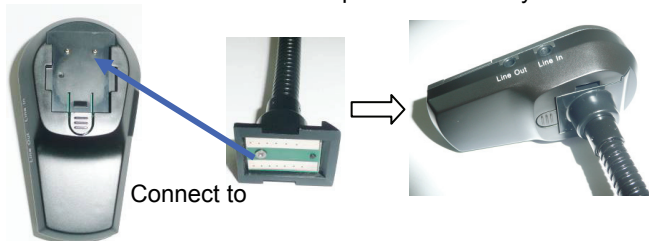
1	<b>MFB</b> button—Adjust frequency, adjust volume and auto search
2	 button—End call and reject call
3	Microphone
4	 button—Enter pairing mode, redial last number and answer call
5	USB socket—Charge other devices
6	 button—Pause/play
7	 button—Previous song
8	 button—Next song
9	Display screen—Display frequency and volume
10	Line In—3.5mm audio input
11	Line Out—3.5mm audio output
12	Connecting slot
13	Spring button
14	Connecting thimble
15	Cigarette lighter plug
16	Power LED indicator
17	 button—Power switch
18	Flexible neck
19	Connecting buckle

## 4. Basic Operation

### a) Installation

#### i. Connect Cigarette Lighter Plug with Main Body:

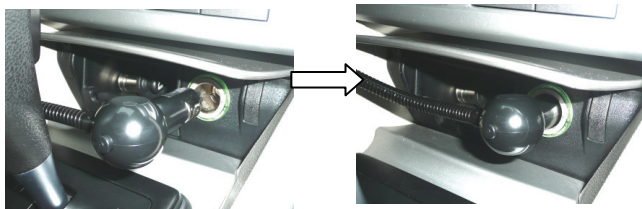
Press down the spring button as shown below and connect the 'connecting buckle' to the main body's connection slot. Then, release the button. Once the button is released ensure that both parts are securely connected.



Before connection

After connection

#### ii. Insert the Cigarette Lighter Plug into the Car Cigarette Socket, as shown in the following pictures:



Before plugging in

Plugged in

#### Note:

- ◆ The output voltage of the car cigarette socket that provides power to the BTC8 must be DC 12V, it must not exceed DC 13.5 V.

- ◆ BTC8 is not compliant with car cigarette sockets whose output voltage is DC 24V.

### iii. 3.5mm Audio Cable Connection



Line in






Line out

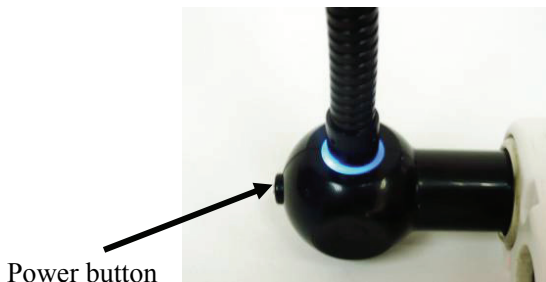


Line in & Line out

### b) Turning on/ off BTC8


Function	Operation	LED indicator
Turn on BTC8	press  button	Power LED indicator comes on
Turn off BTC8	press  button	Power LED indicator goes off






**Note:** Every time BTC8 is turned on, it will automatically connect to the last connected Bluetooth device. If you want it to enter pairing mode, you have to press and hold the  button for about 2 seconds (red and blue LEDs flash alternately).





c) Operation of BTC8

Function	Status of BTC8	Operation
<b>Basic Function</b>		
<b>Enter pairing mode</b>	<b>Just turned on</b>	Press and hold  button for about 2 seconds (red and blue LEDs flash alternately)
<b>Adjust frequency</b>	<b>Turned on</b>	Rotating <b>MFB</b> button twice towards the right side will increase the frequency by 0.1MHZ; Rotating <b>MFB</b> button twice towards the left side will decrease the frequency by 0.1MHZ
<b>Auto search</b>	<b>Turned on</b>	An unused frequency will be found & displayed when you press & hold the <b>MFB</b> button for 3 seconds
<b>Adjust volume</b>	<b>Conversation/Music playback</b>	Press the <b>MFB</b> button to enter volume adjustment mode. Rotate <b>MFB</b> button towards the right side to increase volume, left to reduce volume

Making a Call		
<b>Redial last number</b>	Standby mode	Press and hold  button for about 3 seconds
<b>Cancel calling</b>	Calling	Press  button
<b>Answer call</b>	Ringing	Press  button
<b>Reject call</b>	Ringing	Press and hold  button for about 2 seconds
<b>End call</b>	Conversation mode	Press  button
Music Playback		
<b>Pause/play</b>	Playing music	Press  button
<b>Previous song</b>	Playing music	Press  button
<b>Next song</b>	Playing music	Press  button

#### d) *Adjusting Frequency*




Before using BTC8, you have to adjust its frequency to be the same as that of the car's FM radio.

- i. Adjust the frequency of your car's FM radio to a frequency that is not occupied by a broadcasting radio station;
- ii. Rotate **MFB** button of BTC8 to adjust its frequency to be the same as that of the car's FM radio.
- iii. **Auto frequency selection:** An unused frequency will

be found & displayed when you press & hold the **MFB** button for 3 seconds.

e) *Pairing BTC8 with Bluetooth devices*



i. **How to enter pairing mode**

Function	Status of BTC8	Operation	LED indicator
Enter pairing mode	Blue LED of the  button flashes slowly after turning on for 5 seconds	Press and hold  button for about 2 seconds	Red and blue LEDs flashes alternately
	Standby mode and not connected to a Bluetooth device	Press and hold  button for about 2 seconds	
	Not connected to a Bluetooth device	Enter pairing mode automatically	

ii. **Pairing with a Bluetooth cell phone**


To enable pairing with a Bluetooth cell phone – you have to have a cell phone that is Bluetooth-enabled. Specific pairing steps may vary with different cell phones. Please refer to your cell phone's user manual for further information. General pairing steps are as follows:

- (1) Keep BTC8 and your Bluetooth cell phone within 1 meter when pairing;
- (2) Enter BTC8's pairing mode (red and blue LEDs flash alternately);
- (3) Switch on the cell phone's Bluetooth function and search for Bluetooth devices. After the search is completed, select "BTC8" from the Bluetooth device list;
- (4) According to the indication, enter password or PIN No:"0000", and press "Yes" or "confirm";


- (5) After successful pairing select “BTC8” from the Bluetooth device list and press “connect”. After successful connecting, red LED  button will light up. If your Bluetooth cell phone supports A2DP, blue LED  button will light up as well.

### iii. Pairing with a Bluetooth Stereo Transmitter

How to pair a Bluetooth transmitter with the BTC8 depends on the Bluetooth transmitter itself. Please refer to its user manual for further information. General pairing steps are as follows:

- (1) Keep BTC8 and Bluetooth transmitter within 1 meter when pairing;
- (2) Enter BTC8's pairing mode (red and blue LEDs flash alternately);
- (3) Turn on your Bluetooth transmitter and enter its pairing mode;
- (4) The Bluetooth transmitter will search for and connect to BTC8 automatically. After connecting successfully, the blue LED of  button will light up.





#### Note:

- ◆ Every time you turn on BTC8, it will connect to the last connected Bluetooth device automatically. If you want to enter its pairing mode, you have to press and hold the  button for about 2 seconds (red and blue LEDs will flash alternately).
- ◆ Pairing mode will last for 3 minutes. BTC8 will exit pairing mode automatically if it cannot connect to any device within 3 minutes. If you want to continue pairing BTC8 with Bluetooth devices, please switch off BTC8 and try pairing again using steps mentioned above.
- ◆ If the red or blue LED is on, BTC8 is already connected to a device and cannot connect to other devices. If you want to connect BTC8 to another

device, please switch off the Bluetooth function of the device currently paired with BTC8 and restart BTC8 to pair with a new Bluetooth device.

## f) *Music Playback*

### i. **Connecting with a Bluetooth A2DP cell phone or a Bluetooth transmitter**

- (1) Set BTC8 and your car FM radio to the same frequency;
- (2) Make sure your cell phone or Bluetooth transmitter has already established an A2DP connection with BTC8 (Blue LED of  button lights up when connection is established);
- (3) Play music on your Bluetooth device. It will be transferred to the car's FM radio.
- (4) Adjust volume: Press **MFB** button on BTC8 to enter volume adjustment mode and rotate **MFB** button to adjust volume.
- (5) Pause/play: Press  button of BTC8 to pause music, press once more to play again.
- (6) Previous/next song: Press  button on BTC8 to play previous song, press  button on BTC8 to play next song.

### ii. **3.5mm Audio Input**

- (1) Connect your mp3 player using a 3.5mm to 3.5mm audio cable. One end inserts into the Line in socket of BTC8 and the other end inserts into your music player's headphone output.
- (2) Play music on your music player. It will be transferred to your car's FM radio.

#### **Note:**

- ◆ When music is transmitted to a car FM radio using the Line-in socket, you can't adjust volume, pause/play, play







previous /next song on BTC8

- ◆ When a Bluetooth device and a wired device are connected at the same time, BTC8 will switch to the last connected device for playback.

If you plug in a music player to the Line in socket of BTC8 while playing music from a Bluetooth device, the music from the wired device will be played back.

### *g) Making Calls with BTC8*

If your cell phone is Bluetooth-enabled and has a HFP connection set up with BTC8, you can make calls and remotely control calls using BTC8.

- Set BTC8 and your car FM radio to the same frequency;
- Pair your cell phone with BTC8. After successfully establishing a HFP connection, (red LED of  button comes on) you can make calls with BTC8.
- Redial last number: Press and hold  button for 3 seconds
- Cancel calling: Press  button to cancel the call.
- Answer call: When ringing, press  button to answer call.
- Reject call: When ringing, press and hold  button for about 2 seconds to reject call.
- End call: When in a conversation, press  button to end call.










### *h) Line-out*







If your car stereo system has a stereo line in socket, you can also transmit music to it using an audio cable. The input socket in your car stereo is called “AUX” or “Auxiliary”.

You have to use a 3.5mm to 3.5mm audio cable. One end inserts into the Line out socket of BTC8 and the other end

inserts into the stereo line in socket of the car stereo system.

*i) LED Indicator*

<b>LED Indicator</b>	<b>Status of BTC8</b>
Blue LED of  button flashes slowly	Searching last connected device
Red and blue LEDs flash alternately	Pairing mode
Red LED of  button lights up	HFP successfully connected
Blue LED of  button lights up	A2DP successfully connected
Blue LEDs of  ,  ,  buttons light up	Turned on
Blue LEDs of  ,  ,  buttons light up	Adjusting volume mode

**Note:** The Blue LEDs of the , ,  buttons will always come on when BTC8 is turned on. When volume is being adjusted, the blue LEDs of the , ,  buttons will flash.

## 5. Care and Maintenance

Please read following instructions before using BTC8.

- Keep the product dry. Avoid damp surroundings since it negatively impacts the product's internal circuit.
- Keep the product away from direct sunlight or

excessive heat of any kind. High temperatures can shorten life of electronic devices, destroy the battery and/or distort certain plastic parts.

- c) Keep the product away from excessive heat or cold.
- d) Do not try to disassemble the product as it may get damaged.
- e) Ensure that your connections are secure, if the product drops down to the floor or other hard surfaces, its internal circuit might get damaged.
- f) Do not use harsh chemical products or detergent to clean the product.
- g) Do not scratch surface of the product with sharp objects.

In case product doesn't function correctly, please send an email to [service@kinivo.com](mailto:service@kinivo.com) with as many details as possible about the issue. We will be happy to provide further assistance.

## 6. FAQs

### a) Why does the red LED button light up?

When the red LED button lights up, it means that BTC8 is connected to a Bluetooth HFP device & is ready to make calls.

### b) Why does the blue LED button light up?

When the blue LED button lights up, it means that BTC8 is connected to a Bluetooth A2DP device, so you can listen to your music.

### c) Why is there disturbance coming from my car's FM radio?

- i. Ensure that your car's FM radio has been set to an unused frequency;
- ii. Ensure both BTC8 & your car's FM radio are using the same frequency;
- iii. Please make sure BTC8 is within the effective working



range.

- d) Why am I not able to pair BTC8 with a Bluetooth device?**
- Please make sure BTC8 is in pairing mode;
  - Ensure BTC8 is in the effective working range.
- e) Why am I not able to play music after having established a connection to a Bluetooth cell phone?**
- Please make sure your Bluetooth cell phone supports A2DP;
  - Ensure BTC8 is in the effective working range.
- f) Why can't pause, play, previous song and next song be controlled from BTC8 during music playback?**
- BTC8 cannot control these functions when playing music from a music player connected to 3.5mm Line in socket;
  - You need to connect a Bluetooth device supporting AVRCP (Audio/Video Remote Control Profile) to BTC8 to remotely control these functions. Please make sure your cell phone or Bluetooth transmitter supports AVRCP. (Note for Iphone and Ipod Touch – Only iOS 4.1+ version numbers support AVRCP, Bluetooth music play works in older versions as well)
- g) How far is the Bluetooth effective range and FM transmission range?**
- According to the Bluetooth standard, the maximum controllable range of a Class 2 hands-free kit is 10 meters. However, it varies with different environments and paired cell phones.
  - FM transmission range is up to 4 meters.

## 7. Specifications

<b>Bluetooth version</b>	Bluetooth V2.1
<b>Bluetooth profiles</b>	HSP, HFP, A2DP and AVRCP
<b>Bluetooth frequency range</b>	2.4GHz-2.4835GHz
<b>FM frequency range</b>	88.1-107.9MHz
<b>Bluetooth range</b>	10M
<b>FM range</b>	5M
<b>Power supply</b>	DC 12V $\overline{\text{---}}$ 400mA
<b>USB output</b>	DC 5.0V $\overline{\text{---}}$ 600mA
<b>Dimensions</b>	84×46×32mm
<b>Weight</b>	Main body: 42.9g Cigarette lighter socket: 75.5g

### Notes:

1. 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.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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