BTC031
Bluetooth FM Transmitter
User's manual

Content

Welcome to use this Bluetooth FM hands-free car kit, BTC031. Please read this user's manual carefully before use.

■ Before use
1. About BTC031
BTC031 is a Bluetooth hands-free car kit. It combined Bluetooth stereo receiver,Bluetooth hands-free,FM-Transmitter together.After connected cellphone via Bluetooth it can transmitter audio to the car radio system , make playing music and calling cellphone is possible .

2.Overview

1	Microphone	**5**	+:Increase FM frequency
2	── :Reduce FM frequency	**6**	🎧 :Answer/Play /Pause
3	MFB button:Power on/Power off/Pairing	**7**	Micro USB charging jack
4	LED display	**8**	Magic tape

3. Install product

Before use you should fix BTC031 on the car,there are two location for example:
1.Choose suitable position on the center stack of car and wipe it up. Then paste the magic tape in the place and put product on it.

2.Choose the suitable position on the steeling wheel.Then paste the magic tape in the place and put product on it.

4. Charging
If hear prompt tone "Battery low"every 5 minutes,it warns charging for BTC031.
1) Plug the USB charging cable into the jack of car cigarette light;
2) Plug the other side into the BTC031 Micro USB jack.

⌒ button on red means in charging

⌒ button off red means charging full

■ **Getting started**
1. Turning on/off BTC031
  Turn on :Short press MFB button,all LED on red and tips "Power on"
  Turn off :Short press MFB button,⌒ button on red 1s and tips"Power off".

Remark:
◆ BTC031 will auto-power on once in charge and auto-power off once out of charge.It's object to turn off on the state of charging.
◆ BTC031 will auto- connecting the latest connected device once power on
◆ BTC031 will maintain standby mode if not connect with any device after power on.

2. Power saving mode

1). Enter power saving mode: A, if connected with device and no-ops, after 8s it will auto enter sleeping mode with all LED off. B, if in standby mode only the 📞 button on blue and others LED off.

2). Activating: To make any operations, you must active the device firstly. Touch any touch button can active the product and the LED on red then you can start operate .

3. Pairing BTC031 with Bluetooth cell phone
1) How to enter pair mode

Function	Operation	LED indicator
Enter pairing mode	In standby mode, not connect with device, press MFB button about 2s	📞 red LED and blue LED flash alternately
	In standby mode, already connect with device, press MFB button about 2s	

Remark:

1. Pairing mode will keep two minutes, and if not connected with device within limited time it will enter standby mode automatically.

2. If BTC031 already connected with device and playing music, it must pause music firstly and then operate pairing process.

2) Pairing with Bluetooth cell phone

1) Keep BTC031 and Bluetooth cell phone within 1 meter when pairing;
2) Make BTC031 enter pairing mode (please refer to "How to enter pair mode);
3) Activate your cell phone's Bluetooth function and set your cell phone to search for Bluetooth device within range, and select "BTC031" from the list of devices shown;

Remarks:

◆ After successful pairing, BTC031 and the Bluetooth cell phone will remember each other, BTC031 will not need to re-pair with the Bluetooth cell phone next time unless the pairing information is deleted because of a new pairing.

◆ In standby mode,not connect with device,short press 🎧 once BTC031 will try to connect with the last device.

4.Frequency Modulation

Before use this product please transfer the BTC031 emission frequency and the radio frequency receiver to the same frequency.

1). Choose a public radio channel which not occupied yet, it is just can heard pure noise , the more pure noise the more suitable for use as a channel for FM transmitter.

2).Adjust the frequency by FM frequency modulation:this product supports frequency 88.1MHz~107.9MHz..Short press + button increase 0.1MHZ,long press +button increase 1MHZ,accordingly short press or long press — will reduce frequency.

Remarks:
◆ Every time BTC031 is turned on it will memory the last used frequency.

5.Operation
Ensure FM emission frequency already on the same frequency with the radio frequency and connected with Bluetooth cellphone. When you play music or make call on the phone it will be heard on the car radio via BTC031.

1) Music operation

Function	Status of BTC031	Operation	Prompt tone
Pause	Playing	Short press 🎧	/
Resume play	Pause	Short press 🎧	/

2)Talk operation

Function	Status of BTC031	Operation	Prompt tone
Voice dial	Standby mode (connected device)	press 🎧 about 3s	/
Cancel a call	Calling	Short press 🎧	Call terminated
Answer a calll	Incoming ringing	Short press 🎧	Answer
Reject a call	Income ringing	press 🎧 about 2s	Reject
End a call	During a call	Short press 🎧	Call terminated

Remarks:
- Before operate voice dial it should be active voice assistant.For example:If connect with IOS cellphone,touch 🔲 button about 3s to active SIRI and tips "DING".
- function (pause/play) request the Bluetooth cellphone support AVRCP. Please refence to your cellphone's user manual.
- Not all cellphone support above function,it depends to you cellphone ,please refence to user manual of cellphone.

6.Factory reset
When in charging ,double click MFB button then 🔲 button in blue quick flash,twice and tips"DUDU",it means finish factory reset.

Remarks:
- After factory reset, all the paired list will be deleted. When you turn on BTC031, it will enter pairing mode automatically, and you need to pair with Bluetooth device again.

■ Care and maintenance
Read the following recommendations before using BTC031. Following these you will be able to enjoy our product for many years.
- Keep the product dry and don't put it in the damp place to avoid the product's internal circuit being affected.
- Keep the product away from direct sunlight or hot places. High temperature will shorten the life of electronic devices, destroy the battery or distort certain plastic parts.
- Don't expose the product to cold areas as it may damage the internal circuit board.

- Don't try to disassemble the product as it may get damaged if you are not professional.
- Don't let the product fall down onto the floor or other hard surfaces. The internal circuit might get damaged.
- Don't use intensive chemical products or detergent to clean the product.
- Don't scratch the surface with sharp things.

In case the product doesn't function properly, send it to the store you bought it. The staff will help you to solve the problem.

■ FAQs
1.Why touch button are not work?
When the product in power save mode all functions are not effective,please active it before operation.

2.How to do if you can not hear clearly?
a) Ensure car radio already adjust to a pure channel ;

b) Ensure BTC031 and car radio are at the same frequency.
c) Ensure BTC031 is in the effective working range.

3.Why BTC031 can not connect with Bluetooth device ?
a) Ensure BTC031 is on pairing mode
b) Ensure BTC031 is in the effective working range.

4. Why it can not play music when connected with cellphone?

a) Ensure your cellphone support Bluetooth A2DP .
b) Ensure BTC031 is in the effective working range

5. How far is the effective range for Bluetooth ?And how far is the FM transmitter range ?

a) According to Bluetooth standard Class II ,the farthest range is 10m,and it will be different because of specific environment and paired cellphone

b) FM transmitter range is about 4m.

■ Specifications

Bluetooth specification	Bluetooth V4.1
Bluetooth profiles	HFP, A2DP and AVRCP
Operating distance	10 meters Class II
Charging input	DC 5V
Working Environmental temperature	-10~45℃
Dimensions	45.7*15.3mm
Weight	20.5g
FM frequency range	FM:88.1MHz~107.9MHz、8
Storage environment temperature	-20~80℃

FCC NOTICE:
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.

To assure continued operation, follow the attached installation instructions and use only shield cables when connecting to other devices. 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.