

## I. Product Introduction

Car Bluetooth FM transmitter, installed with a high-performance Bluetooth module and a sophisticated OTG/MP3 decoding chip, is able to play music stored in SD card and USB, and have it played out through the car stereo via FM transmission. It also works as Hands Free when you have a call in, if your mobile phone supports Bluetooth. When the call is over, the tunes play on. It can also play the music in your Bluetooth mobile phone. Car refit? No need! Enjoy music and hands-free talk with our Car Bluetooth FM transmitter

## II. Diagram



- 1: Microphone
- 2: Bluetooth code matching/receive/hang up/play/pause
- 3: Hands Free switch
- 4: LCD displayer
- 5: Previous track/volume down (press & hold)
- 6: USB socket
- 7: Flexible Metallic Hose
- 8: Power light
- 9: Power socket/safety coating
- 10: Next track/volume up (press & hold)
- 11: Frequency down
- 12: Bluetooth match light
- 13: Frequency up
- 14: AUX input
- 15: Remote control receiver
- 16: SD socket

## III. Features:

- 1. Flexible Metallic Hose can be bended and adapted for any type of autos.
- 2: 1.5-inch LCD
- 3: Bluetooth Hands Free

- 4: Caller display
- 5: (CVC) technology cancel echo and reduce ambient noise.
- 6: Receive a call/call out by remote control
- 7: Hands Free/ Non-Hands Free Switch
- 8: Play out music stored in mobile phone through car stereo
- 9: Stereo Bluetooth and FM transmission
- 10: USB/SD support
- 11: CD, MP3 external input support
- 12: Support MP3/WMA formats
- 13: Power off memory
- 14: Power supply from auto cigarette lighter socket
- 15: Support for 20-key remote control and steering wheel remote control

## Operation Guide

### 4.1: Play music

- 4.1.1 Plug in the system to the cigarette lighter socket. Insert SD card or USB stored with MP3 or WMA files. Having detected the music files, it will automatically switch to the Player mode. Press ►|| to play or pause.
- 4.1.2 Turn on the car stereo to FM mode. Tune in the FM transmission frequency to the same frequency of the car radio, so that the stereo is able to play out music.
- 4.1.4 How to tune in FM frequency: Press CH- or CH+ to tune down or up the frequency in a band of 87.5 to 108MHZ. Press and hold the keys to fast tune.
- 4.1.4 Press ◀◀ or ▶▶ to play the previous or the next track., Press and hold ◀◀ or ▶▶ to turn down or turn up the volume.

### 4.2 Match mobile phone and Hands Free system

**Note:** Matching between your mobile phone and Car Bluetooth FM transmitter is needed prior to the use of Hands Free function.

Matching is to establish connection between devices that support Bluetooth technology. In this case, it is to enable the mobile phone to remember the only ID of Car Bluetooth FM transmitter, Once matching is done successfully, the system will be automatically connected to the mobile phone whenever you power on the phone onboard.

### Matching

**1. Keep your mobile phone in short distance from Car Bluetooth FM transmitter, Press and hold ►|| to enter the code matching mode. The red and blue flash lights on suggest code matching in progress.**

2 After a process of detection, your mobile phone will indicate new devices found.

3 Choose “CAR KIT” in the list of the devices detected. Complete the following according to the tips.

4 Input the code “0000”, and save the ID of the device in your mobile phone.

Make sure that your mobile phone and Car Bluetooth FM transmitter are matched. Hands Free function is enabled, if matching is successful.

Note: Some mobile phones may require the user to “activate” Hands Free prior to use.

#### Matching & Connection of Accessories

Car Bluetooth FM transmitter when powered on will automatically start connection to the previously connected device.

Note: Some mobile phones are able to connect automatically to Car Bluetooth FM transmitter which has been restarted after powered off. Some others may require the user’s authorization for each time of connection. Such requirement can be canceled. Please refer to the mobile phone user manual for more details.

4.2.3 Car Bluetooth FM transmitter, when there is an incoming call, will automatically switch from the Player mode to the Hands Free mode. Press ►|| to answer the call and start Hands Free. When the call is over, it will automatically switch back to the Player mode. Or press ►|| to hang up the phone.

You can also press the Hands Free switch, to choose between Hands Free calling and non-Hands Free calling.

#### 4.2.4 Instructions:

A2dp. Mobile phones which support a2dp (stereo Bluetooth) can be connected to Car Bluetooth FM transmitter via AV connection, so that the music stored in the mobiles can be played out through the car stereo.

Different types of Bluetooth service of different mobiles can be connected at the same time. But only one mobile can be connected for one type of Bluetooth service: eg Mobile A in connection for Hands Free must be disconnected, if mobile B is to be connected for Hands Free too; but if B is to be connected via a2dp to play music, it is unnecessary to disconnect A. In case of double connection, a call in or call out will have the priority. When the call is over, the system will automatically switch back to the a2dp player.

The priority of different functions in use at the same time shall be as follows:

Calling > a2dp player > USB music player > SD music player

When functions of higher priority are activated, those of lower priority will be automatically paused; When functions of higher priority are over, those of lower priority will resume automatically.

4: Caller display. When you have a call in, the number of the caller will be shown on LCD.

5: Call out with remote control. You can dial a telephone number by using the number keypad of the remote control. Numbers input will be shown on LCD. Press ◀◀ to delete the previous input, and press ►|| to call the number.

6: Volume of Bluetooth. When the user needs to turn up or down the volume of the car stereo, you can press and hold ►|| or ◀◀, or otherwise adjust the volume of your mobile phone. When the person on the other end of the phone can not hear your voice, please speak closer to the microphone or ask him/her to turn up the volume of his/her mobile phone.

#### 五: Power-off Memory

In General, every time that it is powered off, Car Bluetooth FM transmitter will automatically memorize the frequency in use and the point where the music has stopped, and will resume playing from that point when powered on next time. But when the storage devices have been changed or removed, or when errors have been detected, the system will automatically restore the default settings.

#### 六 Remote Control

##### 1: Common Remote Control



**Instructions:**

- 1:CH-: Frequency down
- 2:CH+: Frequency up
- 3:◀◀ Previous track or delete previous input
- 4:▶▶: Next track
- 5:▶||: Play/pause
- 6:-: Volume down
- 7:+: Volume up
- 8: EQ: Control sound effects
- 9: Number 0 to 9: Select track No. or frequency
- 10:PICK SONG: Press this after inputting a track No. to select the track.
- 11:CH SET: Press this after inputting numbers to set frequency

2:For the sake of your safety, Car Bluetooth FM transmitter can be used together with a Steering Wheel Remote Control for Car, which enables you to enjoy the music at the same time of safe driving. Key instructions can be referred to those of Common Remote Control. Please read the installation guide of the Steering Wheel Remote Control for installation details.



**IV. Technical parameters**

|                              |   |
|------------------------------|---|
| Rated Voltage                | 12V   |
| Limited Voltage              | 9~26V   |
| Power consumption            | 1W  |
| Working Temperature          | 0 to 50°C   |
| Support file format          | MP3 WMA   |
| SNR                          | >60dB   |
| Degree of Distortion         | <0. 1%  |
| Frequency Response           | 20Hz-15Khz  |
| Left & Right Channel dB      | > 60dB  |
| Bluetooth Version            | BlueCore3   |
| Bluetooth Voice Process      | Support A2DP (Advance Audio Distribution Profile) |
| Bluetooth Transmission Range | 10M   |

|                               |                    |
|-------------------------------|--------------------|
| Microphone Effective Distance | 0.5~2M             |
| FM Frequency                  | 87. 5~108Mhz       |
| Transmission FM               | Stereo digital PLL |
| Specifications                |                    |
| Weight                        |                    |

**V. Warnings**

- 1 . During FM transmission, do not turn up volume too much to avoid voice distortion (Below 14 is recommended). Please use the car stereo to turn up or turn down the volume.
2. To improve sound effects, please select frequencies other than the strong radio frequencies to avoid interference.
3. The Bluetooth operation methods can vary with different mobile phones.
- 4: If the system is restarted after powered off, some mobile phones may not resume Bluetooth connection automatically. Manual connection is needed.
- 5: The system is compatible with 95% of the mobile phones in the market, but not with a few others. Please pay attention to the compatibility when purchasing the system.
- 6: In phone calling mode, the volume shall be moderate to avoid affecting the other end of the call.
7. Do not use the system in dusty, high-humidity, or extreme-temperature conditions.
8. Prevent the system from falling off, to avoid any and all damage.
9. Do not break open the product. Please contact the distributor if you have any doubt.
10. Changes resulting from the improvement of the system and its performance may not be made known to the user.

**<九> Q & A**

|   |   |
|---|---|
| Not working or no display when power is on. | <ul style="list-style-type: none"> <li>• Ensure that the system is well plugged in to the cigarette lighter socket.</li> <li>• Check if the fuse inside the system has broken. Replace the broken fuse.</li> <li>· Unplug and replug it in.</li> </ul>                                    |
| Music playing failure                       | <ul style="list-style-type: none"> <li>· Check if the USB or SD card is well inserted, or use another USB or SD card and retry.</li> <li>· Ensure that the USB or SD card contains files of the formats that the system supports.</li> <li>· Check if the volume is down to 0.</li> </ul> |
| Noise but no sound coming out               | <ul style="list-style-type: none"> <li>· Check if the player has been paused.</li> <li>· Check if the volume is down to 0.</li> </ul>   |
| Hands Free failure                          | <ul style="list-style-type: none"> <li>· Ensure that the mobile phone is connected to the system.</li> </ul>  |

|  |  |
|--|--|
| No sound effects tips or effects worsening | Out of effective transmission distance.  |
| Car stereo mute                            | <ul style="list-style-type: none"> <li>· Ensure that the FM transmission has started.</li> <li>· Ensure that the transmission frequency is the same as the receiving transmission of the car stereo</li> </ul> |
| Transmission effect not good, noisy        | ·Ensure that the frequency in use is not interfered with by radio. Avoid radio frequency to achieve better results.  |
| Remote Control failure                     | <p>Ensure that the wrapper of the Remote Control battery is removed.</p> <p>Battery out of power needs to be replaced.</p>   |

<+>: Disclaimer

This user manual is for reference only. If any function of the product disagrees with the manual, the product shall prevail.

Changes resulting from the improvement of the system and its performance may not be made known to the user. The company reserves the right to final interpretation of this manual, and shall not be held liable for any incidents caused by any error in this manual.

If the product is broken apart by the user, the company may not provide maintenance and repair service to the user.

VI. Accessories

Common Remote Control, Steering Wheel Remote Control (optional), User Manual, Warranty Card and Certificate of Conformity.