# 车载蓝牙(氛围灯）FM发射器
## 使用说明书

本产品为汽车专用蓝牙车载MP3播放器，采用高性能专业级的蓝牙模块，MP3解码芯片。能够播放TF卡里面的音乐文件，通过FM无线发射到汽车音响。

您还可以通过蓝牙连接，把手机里的音乐通过无线传输，传送到汽车音响中。

您还可以把本设备作为一个电话免提系统。在您的驾驶过程中可以自由的通讯。

本设备是通过无线发射的方式发射到您的汽车音响，不需要改装您的爱车，即可让您的驾驶途中享受音乐又可以使用免提手机通话，娱乐安全两不误。

(为了您能更好地使用本产品，请仔细阅读并保留本手册)

## 木机特色：

本产品是采用FM全频点无线传输技术，可直接读取手机蓝牙/TF卡/U盘中的音频文件。支持蓝牙音频播放及蓝牙免提通话及大电流充电功能于一身的多功能车载MP3。

- 支持蓝牙音乐/TF卡/U盘播放，支持蓝牙免提通话
- LED屏幕，可显示频点、歌曲序号及工作状态信息
- 支持断电记忆功能
- 结构设计精密
- 自带车载充电功能，输出5V-2.4A，可以为手机设备充电

## 注意事项：

- 不要让机器与硬特摩擦撞击，否则可能会导致播放器表面磨花或其他硬件损坏。
- 请使用本机规定的电压（DC 12V/24V），否则可能会使机器工作异常或损坏。
- 长时间不使用，请将本机脱离点烟器电源。
- 在使用过程中播放器发射频点尽量与当地FM信号强的电台频率避开，以免干扰影响音质。

## 基本操作：

- 将播放器插入汽车点烟器，播放器屏幕将被点亮，并显示启动状态，同时进入自动播放。
- 设定播放器的发射频率，尽量避开当地FM信号强的电台频率。
- 打开汽车的收音机，查看汽车收音机频率，使车载MP3蓝牙播放器的发射频率调整到汽车收音机频率一致，此时即可从汽车音响中听到当前正在播放的音乐。（温馨提示：在调整汽车收音机频率时，应采取手动调频，把汽车收音机频率调整到空白频率（即没有任何电台的频率），再把车载蓝牙MP3发射频率调整到和汽车收音机频率一致，这样音质最佳，汽车收音机频率越干净，音质越好）

## 播放TF 卡/U盘里的音乐

(1)将TF卡插入本设备的TF卡扩展槽，本设备将会自动识别并播放TF卡中的MP3的音乐文件。

(2)将U盘插入本设备的USB接口，本设备将会自动识别并播放U盘中的MP3的音乐文件。

## 蓝牙连接：

首次使用，须于手机蓝牙手动配动连接，下面是配对步骤：请将机器插入汽车点烟器接口，机器开机启动后，打开你的手机蓝牙并搜索车载蓝牙设备名称“BT-car”连接。配对连接成功后，以后使用时车载蓝牙会自动和配对过的手机自动连接。车载MP3和蓝牙设备连接好后自动播放蓝牙设备里的音频文件。

## 蓝牙免提通话：

- 接听电话：来电时短按【☎】键一次
- 挂断电话：拨号或者通话中短按【☎】键一次
- 重播电话：连续短按【☎】键两次，播出最后呼出的电话号码

## 音乐播放：

- 自动播放优先级依次为蓝牙-U盘-TF
- 播放时短按【⏮】键可选择上一首歌曲，短按【⏭】键可选择下一首歌曲。
- 播放歌曲时，按紧【⏮】键，连续递减音量；按紧【⏭】键，连续递增音量。
- 播放时短按【☎】键播放/暂停音乐
- 短按【CH】键，这时车载MP3屏幕会闪烁，然后按【⏮】和【⏭】可调节车载发射频率；

## 车充功能：

- 大电流车充接口，可为多媒体设备（手机、平板等）提供最高5V/2.4-3.1A的充电电流
- USB数据接口在使用专用的充电线(不带数据传输功能）时，也可作为充电接口使用

## 断电记忆操作：

随机断电时，播放器记忆到当前播放歌曲曲首位置。在音乐暂停状态下断电，播放器记忆到秒。

## 七彩氛围灯模式：

- 开机默认七彩氛围灯循环闪烁
- 如果需要固定一个颜色，可以通过短按💡按键来切换灯的颜色
- 如果需要关闭七彩氛围灯，💡按到第八次就可以关闭七彩氛围灯

## 标准配件：

说明书

## 产品参数：

| | |
|---|---|
| 重量 | 约40克 |
| 计算器接口 | 高速USB2.0 |
| 屏幕 | LED屏 |
| 支持TF卡/U盘容量 | ≤32GB |
| 电源供电 | DC12V-24V |
| 支持文件类型 | MP3/APE/FLAC/WAV/WMA |
| 工作电流 | 50-100mA DC12V |
| 比特率 | 64-320kbps |
| FM频率范围 | 87.5-108MHz |
| 信噪比 | 85dB(FM:65dB) |
| 谐波失真 | <0.05%(FM:<0.1%) |
| 工作温度 | 0°C-60°C |
| 蓝牙版本 | V5.0+EDR |
| 发射距离 | < 5米 |

## 保 修 卡

一 、客户资料：

用户姓名：__________ 性别：□男 □女

联系电话：__________ 机身编号：________

联系地址：____________________

二 、经销商资料：

机器型号：________ 颜色：___ 购买日期：_______

发票号码：______________

经销商名称：____________

经销商电话：____________

经销商单位（盖章）
（无盖章本卡无效）
____年____月____日

## 合 格 证

检验员：Q.C Pass______ 生产日期：________

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# Bluetooth transmitter
## User guide

### Product Introduction

This device is a Bluetooth MP3 player developed for car-used, which equipped with professional high-performance Bluetooth module and MP3 decoder chip.

It can play and transmit the music from TF card to car stereo via FM radio signal.

It can transmit your mobile phone's music to car stereo via Bluetooth.

It can also be used as a hands-free car kit during driving.

This device transmits signal by wireless method, no need to modify anything in car. It can be used both as the music player in entertainment purpose or hands-free car kit in safety purpose during driving.

(for your better use of the product, please read and keep this manual carefully)

## The features of this machine:

This product adopts the FM full frequency wireless transmission technology, which can read the mobile phone directly.The audio files in the Bluetooth / TF /U disk. Support Bluetooth audio playback and Bluetooth exemption A multi-function vehicle mounted MP3 with function of charging and charging.

- Support Bluetooth music / TF Card /U disk play, support Bluetooth hands-free call.
- The LED screen can display frequency points, song serial numbers and working status information.
- Support for power cut memory function
- Precise structure design
- Equipped with on-board charging function, output 5V-2.4A, which can charge mobile devices

## Matters needing attention:

- Do not rub the machine against the hard one, otherwise it may cause the surface of the player to wear or other hardware damage.
- Please use the specified voltage (DC 12V/24V), otherwise it may cause the machine to work abnormal or damaged.
- f you don't use it for a long time, please disconnect the machine from the power supply of the cigar lighter.
- During the use of the player, the frequency of the transmitter will be avoided as far as the radio frequency of the local FM signal is concerned, so as not to interfere with the sound quality.

## Basic operations:

- Insert the player into the car cigarette lighter, the player screen will be lit and display the boot state, and will enter the automatic play.
- Set the transmitter's frequency and try to avoid the strong FM radio frequency.
- Turn on the car radio, check the frequency of the car radio, adjust the frequency of the launch of the MP3 Bluetooth player to the same frequency of the car radio, and then hear the music being played from the car sound. (warm tip: when adjusting the frequency of the car radio, manual frequency modulation should be adopted to turn the car off.The frequency of the machine is adjusted to the blank frequency (that is, there is no radio frequency), and then the Bluetooth MP3 transmission frequency is adjusted to the same frequency as the car radio, which is the best sound quality, the cleaner the car radio, the better the sound quality.

## Play music from tfcard / USB stick:

1) Insert the tfcard into the tfcard expansion slot of the device, and the device will automatically recognize and play MP3 music files in the tfcard.

(2) Insert the USB disk into the USB interface of the device, and the device will automatically recognize and play the MP3 music files in the USB disk.

## Bluetooth connection:

First use, the handset Bluetooth manual matching connection, the following is the pairing step: please insert the machine into the automobile smoke device interface, when the machine starts, open your Bluetooth Bluetooth and search the car Bluetooth device name "BT-car" connection. When the pairing is successful, the Bluetooth will automatically connect with the matching phone automatically. When the vehicle MP3 and Bluetooth devices are connected, the audio files in the Bluetooth device will be played automatically.

## Bluetooth hands-free call:

- Answer the phone: click [☎] button once
- Hang up the phone: dial or press the short [☎] key in the call once.
- Replay phone: continuous short press [☎] key two times, broadcast the last exhaled phone number.

## Music play:

- The auto play priority is the Bluetooth -U disk -TF in turn
- When playing, press [⏮]key to select the last song and press the [⏭]key to choose the next song.
- When playing a song, press the [⏮] key to decrease the volume continuously; press the [⏭] key to increase the volume continuously.
- Play / pause music by the [☎] key
- Press the [ch] key for a short time, then the onboard MP3 screen will flash, and then press [⏮] and [⏭] to adjust the on-board transmission frequency;

## Car charging function:

- The high current vehicle charging interface can provide the highest 5V/2.4A-3.1A charging current for multimedia devices (mobile phones, flat panels, etc.).
- The 1A USB data interface can also be used as a charging interface when using a dedicated charging line (without data transfer function).

## Power off memory operation:

When the power is cut off, the player will remember to play the song head position. When the music is suspended, the player will be powerless and the player will be remembered for seconds.

## Colorful atmosphere lamp mode:

- By default, the colorful atmosphere light flashes in a cycle
- If you need to fix a color, you can switch the color of the light by short pressing the 💡 button
- If you need to turn off the colorful atmosphere light, 💡 can be turned off by pressing "a" for the eighth time

## Standard accessories:

Instructions

## Product parameters:

| | |
|---|---|
| weight | About 40 grams |
| Calculator interface | High speed USB2.0 |
| screen | LED |
| Support for TF Card /U disk capacity | ≤32GB |
| Power supply | DC12V-24V |
| Support file type | MP3/APE/FLAC/WAV/WMA |
| Working current | 50-100mA DC12V |
| bit rate | 64-320kbps |
| FM frequency range | 87.5-108MHz |
| Signal-to-noise ratio | 85dB(FM:65dB) |
| Harmonic distortion | <0.05%(FM:<0.1%) |
| working temperature | 0°C-60°C |
| Bluetooth Version | V5.0+EDR |
| Emission distance | < 5 meters |

## Warranty card

1. Customer information:

User name:__________ Sex: □ male □ female

Contact number:__________ Fuselage number: ________

Contact address:____________________

2. Dealer information:

Machine model________ colour___ Date of purchase: _______

Invoice number______________

Dealer Name______________

Dealer phone______________

Distributor unit (Gai Zhang)
(no seal is invalid)
date__________

## Certificate

Examination clerk Q.C Pass______ Date of manufacture________

## FCC Warning

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.

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

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 RF exposure statement:**

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

FCC ID: 2AS5O-100079037