FM transmitter

Ver. V1.0

FM-09 is a fm transmitter delicately designed for mobile phones and other devices with 3.5mm aux-out earphone jack. It is the combination of fineness and taste, easy to operate, and your best choice of enjoying music.

FM-09 transforms the music read from the mobile phone or other devices into frequency modulation signals and transmits them though the frequency of 87.5-108.0MHz to any radio device for high-quality music reproduction.

Signal Transmission Flowchart

FM-09 receives analog audio frequency input through 3.5mm earphone jack --- FM-09 decoding --- FM signal encoding ---Transmission by transmission module --- Radio device receiving the signals

Specification

●Display: LCD display panel

●Built-in battery

●Compatible with mobile phones and other devices with 3.5mm aux-out earphone jack

●Can play music on the mobile phones and works as hands-free car kit

●Stereo Hi-Fi audio output

●FM transmission range: ≥5M

● Temperature Humidity: -10c°~65c° / 98%。

● Operating Voltage: DC 3.3V

● Reception Sensitivity：< - 80dbm（Perl%）

● SNR: ≥45db (1KHz 100%)

● Audio Distortion:≤0.1%（F=75KHz f=1KHz)

● Frequency Saving Method: Auto save after power off

● Frequency range:

Item	Europe & America
Frequency Range（MHz）	88.1-107.9
Frequency interval (MHz)	0.1
Frequency Deviation (KHz)	±75
Audio Bandwidth (Hz)	50-15000

Maintenance

- Don’t clean the product with corruptive or hard stuff.
- Don’t press on the display panel while cleaning the display.
- Store the product according to the specifications mentioned above to extend its lifespan.

Warnings

- Don’t dismantle the product by yourself, leave it to the professionals.
- Please use the legal local frequency when choosing FM transmission frequency
- For your own safety, don’t operate the product while driving.

Thanks for purchasing this product

Please read this manual carefully before using the product.

This product is compatible with mobile phones and other devices with 3.5mm aux-out earphone jack.

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How to use

1. Turn on the transmitter by switching it to “ON”.
2. Connect the transmitter with mobile phone or device with 3.5mm aux-out earphone jack.
3. Press “+” or “-” on the transmitter to select frequency.
4. Tune your radio frequency to the same frequency of the transmitter.
5. Connect the transmitter with the car charger and insert the car charger on the cigar lighter socket to charge the transmitter. Music will be transmitted to the car radio stereo system and play while charging**.**

FCC Information and Copyright

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.

15.19 Labelling requirements.

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.

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