

# **AD-A16**

## **FM transmitter**

Ver. V1.0

A16 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.

A16 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**

A16 receives analog audio frequency input through 3.5mm earphone jack --- A16 decoding --- FM signal encoding ---Transmission by transmission module --- Radio device receiving the signals

### **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.

### **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:  $\geq 5M$
- Temperature Humidity:  $-10^{\circ}\sim 65^{\circ}$  / 98%。
- Operating Voltage: DC 3.3V
- Reception Sensitivity:  $< -80\text{dbm}$  (Per1%)
- SNR:  $\geq 45\text{db}$  (1KHz 100%)
- Audio Distortion:  $\leq 0.1\%$  (F=75KHz f=1KHz)
- Frequency Saving Method: Auto save after power off
- Frequency range:

Item	China	Europe & America	Japan
Frequency Range (MHz)	87.5-108.0	88.1-107.9	76.0-90.0
Frequency interval (MHz)	0.1	0.1	0.1
Frequency Deviation (KHz)	$\pm 75$	$\pm 75$	$\pm 75$
Audio Bandwidth (Hz)	50-15000	50-15000	50-15000

### **Maintenance**

- ◆ Don't clean the product with corrosive 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.*

## ***FCC Statement***

*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.*