

# Wireless FM Radio Transmitter V1.0

## Product introduction:

1. 88-108MHz full band step 0.1MHz adjustable
2. Volume digital and analog dual adjustment
3. Digital linear adjustment of power 0.1W-0.5W(1W)
4. Timing on and off RF signal (select function)
5. High-definition sound quality: S / N signal-to-noise ratio:> 75db  
modulation distortion: <0.3%

## Structure description:



# Instructions:

1. Up and down keys can step 0.1MHZ to increase or decrease the transmission frequency
2. Press the M menu key to switch to different functions, adjusted by the up and down keys.



3. For transmission power adjustment, 1% is about 0.1W minimum, 100% is the maximum power of the machine
4. The microphone and audio interfaces are standard 3.5MM stereo interfaces
5. Only the timed version can adjust the time and the year, month, day and week
6. The antenna interface is BNC. When the transmission power is greater than 5W, please use a 50Ω antenna with good performance, otherwise it will produce noise and even damage the transmitter.
- 7: Timed version(optional): Please contact the seller to request the computer timed software. When the USB data cable is connected to the computer, it does not need to be connected to the power supply. When the timing is set, there is no need to connect to the computer. The timing program is automatically stored in the machine.

## Specifications:

Frequency range: 88.1-107.9MHZ (76.0-90.0MHZ) Adjustable frequency

Frequency accuracy:  $\pm 5$ ppm

S / N signal to noise ratio: > 75db

Modulation distortion: < 0.3%

Pre-emphasis: 50us

Audio input level: 300mv  $\pm$  20%

Microphone input level: 4mv  $\pm$  20%

MP3 reading format: wmv, MP3

Stereo separation: < 55db

Frequency response: 30-15000HZ

RF output socket: BNC

Power supply voltage: 85-264VAC 47-63HZ

Ambient temperature: -40 °C -70 °C

Overall size: 120X50X185mm (including protruding parts)

**Note:** Please follow local laws and regulations when using radio equipment.

Launch distance reference value: 7W about 1KM, 15W about 3-5KM (Need to use Outdoor antenna), 1.5W about 300M (This distance will be affected by the environment, receiving sensitivity, and the height of the transmitter)

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** 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.

**FCC Statement:** 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.

**RF exposure compliance statement:**

This device has been evaluated to meet the general RF exposure requirement