

1) How does this device operate?

Z-1300i is a digital tuning FM transmitter with a FM transmitter, a car adapter and a 30 PIN connector, a Line In Connector, a Audio Input line, a MCU controller, a LCD display, an EEPROM programmer, as well as an audio detector, in addition to two press keys which are used to turn the proper FM frequency and one memory keys for turning to the stored channel.

The FM transmitter is a FM stereo transmitting configuration, which radiates FM wave on the air by modulating the any required signal to the carrier signal. The transmission frequency is set from 88.1 to 107.9MHz.

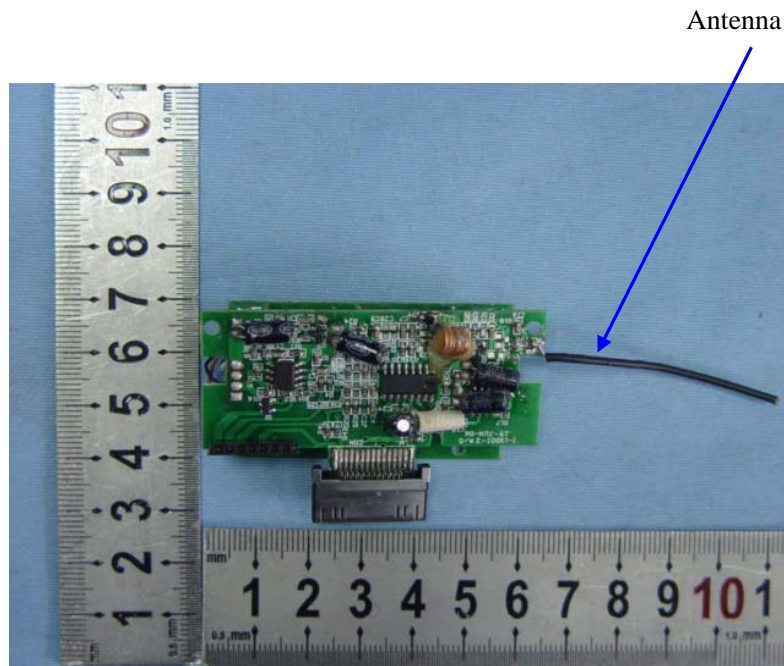
Auto Power on & Auto Power off: (1). Plug the unit in cigarette-lighter port of car cabinet to power on, the LCD will show the last working frequency. The LCD will show “off”, if it is not detected any audio signal within 20 seconds. (2). Plug the unit in cigarette-lighter port of car cabinet to power on, the LCD will show the last working frequency. The unit will operate and transmit the displayed frequency, if it is detected any audio signal within 20 seconds. 3. During the transmission, the transmitter will automatically be turned off, when it is not detected any audio signal frequency within 60 seconds.

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This product can be powered by an DC to DC regulator within the cigarette-lighter adapter. The DC regulator transforms input DC to DC5V as the whole system's power.

2) Provide information on the device and its antenna.

This product is designed to power & charge iPod and transmits audio from iPod to car stereo. The transmitter utilizes dipole antenna. The antenna was soldered to PCB.



3) How is it installed?

The transmitter is powered from 12V in car. It can be connected to the car power socket outlet only.

4) What test procedure was used?

ANSI C63.4, the test was performed in a semi-anechoic chamber.

5) If tested in a car, how was it configured/tested?

Not tested in a car, it was tested in a chamber.

6) Was the tuning range properly verified? The test lab should indicate in the report that the tuning controls were manually adjusted to verify maximum tuning range.

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We selected the low(88.1MHz) mid(98.1MHz) and High(107.9MHz) working frequency to measure the frequency. Press the “◀” and “▶” to select the transmission frequency .

We have indicated the testing in the test report, see clause 6.

7) Was the bandwidth properly tested with maximum audio input?

The test was performed with the maximum audio input. And play typical audio signal(music song).

We have indicated the operating condition in the test report, see clause 5.3.