

1) How does this device operate?

F8Z049 is a digital tuning FM transmitter with CLA and 30 PIN CONNECTOR , this system consists of a FM transmitter, a car adapter and a 30 PIN connector, a MCU controller, an EEPROM programmer, in addition to two press keys which are used to turn the proper FM frequency and four memory keys for turning to the stored channel and the working frequency can display on the screen of ipod.

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 When the power on, the unit will turn on within 0.5 seconds. But If there is no audio being detected for 30 seconds, it will turn off automatically to conserve the power while the unit detects the input audio signal again or pressing the M1 or MII button, it will turn on again automatically.

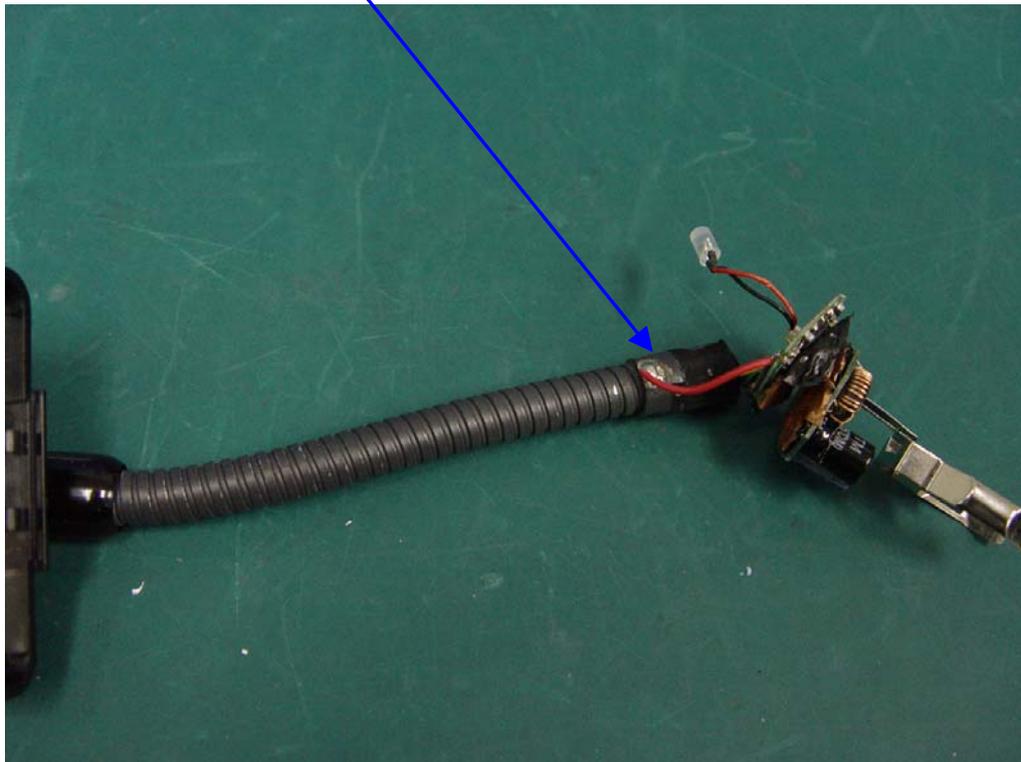
This product can be powered by an DC to DC regulator within the cigarette lighter adapter. The DC regulator transforms input DC into 5V DC as the whole system's power.

2) Provide information on the device and its antenna.

This product is designed to power, charge, and transmit audio from your iPod to your car stereo.

The transmitter utilize dipole antenna. The antenna was solder to PCB.

Antenna



3) How is it installed?

The transmitter is fed by 12v car power supply. It can connected to the car power outlet only.

4) What test procedure was used?

ANSI C63.4. the test was performed in the chamber.

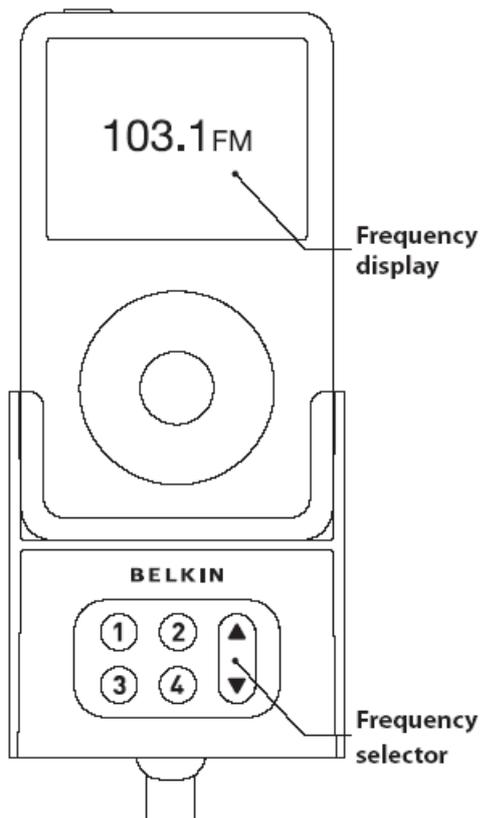
5) If tested in a car, how was it configured/tested?

the test was performed in the 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(98MHz) and High(107.9MHz) working frequency to measure the frequency. Press the \uparrow or \downarrow button on the TuneCast Auto to select the transmission frequency .



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

The test was performed with the maximum audio input. And play MP3.