

# **FCC ID: RJE160732-00**

## **Circuit Description**

Please refer to schematic for reference.

- 1) U2 is a complete FM stereo transmitter IC. This circuit has a stereo audio input and a 75-ohm RF output.
- 2) Frequency of operation is determined by program data supplied to U2 by U1.
- 3) U1 is a Micro-Controller IC with a built-in 1mhz internal clock oscillator. This IC is controlled by push button switch SW1.
- 4) SW1 selects Channel frequency of operation. There are eight (8) available channels. Pressing SW1 will increment the frequency to the next channel. When at channel-8, pressing SW1 will select back to Channel-1.
- 5) There is no ON/OFF switch for this product. Circuit goes ON when product is plugged to automobile cigarette lighter outlet.
- 6) Power consumption of FM transmitter IC is 20ma typical at 5v.
- 7) This product also supplies 12v operating power to MP3 player.

## **Antenna:**

- 1) Wires connecting to MP3 player are used as the antenna. Alteration of antenna by user is not possible.
- 2) RF schematic of antenna is shown below:

