

Operational Description

The circuit of the Car Adaptor with LCD Display FM Transmitter have the FM(88.1-107.9Hz) radio-frequency band transmit function. Adopt the Stereo frequency modulation technology. The 12V power jack auto Cigarette Lighter with a power LED, have the fuse protection. If it have no audio frequency signal input to, it will cut the power automatically.

The BH1415F is a FM stereo transmitter IC that transmits simple configuration . The IC consists of a stereo modulator for generating stereo composite signals and a FM transmitter for broadcasting a FM signal on the air. The stereo modulator generates a composite signal which consists of the MAIN, SUB, and pilot signal from a 38kHz oscillator.

The FM transmitter radiates FM wave on the air by modulating the carrier signal with a composite signal. The changeable range of FM frequency are 88.1MHz~107.9MHz.

Antenna, Ground and power source.

There is no external antenna, there is no external ground connection, The ground is only that of the printed circuit board, electric current is supplied by a 12 Volt DC of car cigarette lighter.