

12-2054

Operational description:

This product is a FM transmitter. It obtains an audio signal from the portable audio sources (e.g. MP3 players) and then transmits it via one of the FM channels: 88.1, 88.3, 88.5, 88.7, 107.1, 107.3, 107.5, 107.7 MHz. The audio signal is firstly enhanced by pre-emphasis and low-pass filtering processes to ensure low distortion at the receiver's end. Then it is mixed with oscillated frequency, modulated into FM format and further amplified. Lastly, it is transmitted out via the audio input cord which acts as an antenna in the unit. All the FM processes are done by a single chip IC in the unit. A mono or stereo FM radio can be used to listen to the selected FM channel. The channel selection in the unit is done by firstly selecting HI(107Mhz)/LOW(88MHz) bands and then selecting the desired channel (1 to 4). 2 AAA batteries and CLA can be used to power up this product and an amber LED is used to indicate the ON/OFF status of the product.