

Operational Description (FM Transmitter function)

The product, iTube 101, is a mobile FM transmitter to transmit audio signals from the MP3 player, iPod shuffle designed by APPLE, to the FM broadcast receiver in vehicles. It operates in the FM broadcast frequency bands from 88.1 MHz to 107.9 MHz. There are three buttons on it; memory button sets the operating frequency to pre-stored channel and the other buttons change channel UP / DOWN (1 or 0.1 MHz step).

The EUT is powered from DC 12V / 24V battery on vehicles via cigarette lighter jack. The EUT includes the DC/DC converter, decreasing DC voltage into 5.0 V.