

iJet Operational Description

The iJet is a low powered, which is installed in micro controller integrated with transmitter function for wireless play iPod . See the function descriptions in attached. The transmitter is powered by two 3 volt battery. It is designed to operate on a single fixed frequency at 433.92 MHz. See the attached block diagram and schematic.

There are 5 switches trigger the integrated circuit (U1) which produces the digital control signals and will modulate the carrier signal (ASK). The carrier signal is generated by a I C oscillator/amplifier circuit comprised of a 433.92 MHz SAW(X1) . The modulated output of the RF stage is coupled to the loop antenna. The antenna is on-board track, around 80mm.

The iJet is operated by the triggered momentarily within 0.2 second and will automatically deactivate send signal to receiver. This feature is incorporated by the U1 internally.

All tuning and verification are performed by the manufacturer and there are no adjustments can be made by users.