



Operational Description

The 27.045 MHz crystal oscillator drives the base of Q1 the final amplifier. The modulation is provided by Q101, including pulse train (encoder & switch, IC1 LM324). The output of Q1 is transferred, through the filter T1, to the matching network consisting of L1 and C1 that limits the harmonic content and has an effect on the proper coupling of the antenna to the output stage. See the attached block diagram and schematic.

Antenna, Ground and Power Source

The antenna is a metal antenna attached to the transmitter. No external ground is required or used with this transmitter. Electric current is supplied by DC 12V (AA battery x 8). This transmitter makes provision for the use of battery chargers via the Charging Jack, however, the Power-Switch (SW1) does not permit operating while charging.