

APPLICANT : WAIA TOYS CO. LTD.  
FCC ID : XXX 6989

CIRCUIT DESCRIPTION :

The circuit is activated by the action of the paddle switches which make ground contact for U2 input pins. Proper current is supplied to BG1 the crystal oscillator and BG2 the modulator/buffer. Zener diode D101 reduces the voltage from the battery to supply proper voltage level to U2. The modulation to base of BG2 is supplied by pin 8 of U2. Different continuous modulation patterns are generated by U2 using different actions of the paddle switches. C108, C109, C110 and L103 provide the output impedance matching to the antenna and harmonics suppression.

ANTENNA AND GROUND CIRCUITRY :

This unit makes use of a telescopic antenna of 18" fully extended. The antenna is inductively coupled. This unit is powered from a 9.0volt battery. No external ground connection is provided. The unit relies on the ground track on the printed circuit board.