

## DESCRIPTION OF OPERATION

### **Power support:**

The transmitter is fed by 8\*1.5AA battery.

### **Antenna:**

The transmitter utilize a dipole antenna.

The Central Processor will output pulse to trigger the oscillator and the encoder to generate a carrier frequency and digital code signal when any function button was pressed. Then the serially digital signal of encoder will be mixed with the carrier at modulator (mixer) stage by way of FSK mode (Frequency Modulation) from the RF VCO. Then this signal will pass through time frequency to change into the frequency that required. After that, the power of this signal will be enlarged to enough power level. This enlarged signal then pass through LC frequency select network and will be sent to Transmitter antenna for transmitting.

### **Ground:**

There is no external ground connection. The ground is only that of the printed circuit board.