

Applicant: Radiorock Technology (H.K.) Limited

FCC ID: YXEFT-007

Operation Description

1. **Power supply:** DC IN 3~6V or 2 x AA size battery
2. **FM Frequency Range:** 88.3-107.7 MHz
3. **Explanation of Circuitry Operation Principle:**

- a. Built-in 2.5v LDO chipset with short circuit protection to supply stable power, which will prevent unit from being damaged when the input voltage is too high;
- b. Built-in SI4710 DSP chip from Silicon Lab, America to control frequency modulation and transmitting;
- c. Built-in MCU chip to control LCD to display frequency, battery level indicator, auto-off with low voltage, which communicates with EEPROM and transmitting chip to achieve all operations of functions.
- d. Line in with adjustable potentiometer, which will prevent input signal from being over-modulated.

The antenna is made of telescopic metal tube which length is about 30 cm, Common grounding on PCB is not connected to real external ground.