

## Technical Specification:

### General

Channel numbers: 1000  
Channel spacing: **Digital:12.5KHz Analog:12.5Khz/25KHz**  
Working voltage: DC 7.4V  
Frequency: 136-174MHz or 400-470Mhz  
Operating Temperature: (-20°C)~+50°C  
Storage Temperature: (-40°C)~+80°C  
Weight: 320g  
Size :H\*W\*D(mm): 135\*63\*38(exclude antenna)  
Waterproof level: IP67  
1800mAh standard Li-ion battery: Analog: 10 hours, Digital: 14 hours  
Modulation Type: FM (Analog)/4FSK(Digital)

### RECEIVE

Frequency Stability:  $\pm/2.5$ ppm  
Analog Sensitivity: 0.35uV/-116dBm(20dB SINAD)  
0.22uV/-120dBm(Type)  
Digital sensitivity: 0.3uV/-117.4dBm(BER 5%)  
0.7uV/-110dBm(BER 1%)  
Intermodulation: TIA603C: 70dB ETSI: 65dB  
Adjacent Channel Selectivity: 60dB@12.5KHz  
Co-channel rejection: -8dB@12.5KHz  
Spurious response rejection:70dB  
Receive Spurious radiation: -57dBm@<1GHz, -47dBm@>1GHz  
Block: 80dB  
Rated Audio Power:1W

### TRANSMITTER

Transmit power: $\leq 5$ W  
FM noise: 40dB@12.5KHz  
Transmit Spurious radiation: -36dBm@<1GHz, -30dBm@>1GHz  
Adjacent Channel power: -60dB@12.5KHz  
Modulation limit: 2.5KHz@12.5KHz  
Idle slot power: -57dBm  
Audio response: +1dB---(-3)dB  
Digital transmission bit error rate: $\leq 3\%$   
4FSK Digital modulation  
12.5KHz(data only): 7K60FXD  
12.5khZ(data+voice): 7K60FXE