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# ET-D79

## DMR Digital Portable radio

### Suitable occasions



- Digital/Analog Dual Mode
- TDMA dual slot
- Digital encryption
- Digital alarm
- GPS positioning (optional)
- Ranging function (optional)
- VHF,UHF Single / Dual band
- Text messaging
- Caller alias
- 50000 CSV contacts
- Recording function (optional)
- APRS reporting (optional)



## Parameters

### General

Frequency Range	VHF: 136~174MHz / UHF: 400~480MHz
Channel Number	VHF: 136~174MHz & UHF: 400~480MHz 4000
Operating Voltage	DC 7.4V
Channel Spacing	25KHz / 12.5KHz
Operating Temperature range	-30°C~ +60°C
Frequency Stability	±0.5ppm
Dimension	123 × 63 × 39 mm(Not include the antenna)
Weight	≤280g (Include battery, antenna)
Battery	4800 mAh lithium battery
Antenna Impedance	50 Ω

### Transmission part

Output Power	VHF: 1W / 5W ; UHF: 1W / 4W
Modulation	25K:16KφF3E / 12.5KHZ:11KφF3E
4FSK Digital modulation	12.5KHZ data: 7K60FXD 12.5KHZ voice and data: 7K60FXW
Digital Vocoder Type	AMBE++
Modulation Limit	≤±2.5kHz@12.5kHz
Stray Radiation	-36dBm<1GHz / -30dBm@1GHz
Hum and noise	≥-40dB @ 12.5KHz / ≥-45dB @ 25KHz
Audio Distortion	≤5%
Audio Response	300-3KHz, +1/-3dB
Digital Protocol	ETSI-TS102 361 -1, -2, -3

### Receiving part

Analog sensitivity	≤-121dBm@12dB SINAD
Digital sensitivity	≤-119dBm@5%BER
Audio Power	>1W
Intermodulation	≥-65dB @ 12.5KHz / 25KHz
Hum and noise	≥-40dB @ 12.5KHz / ≥-45dB @ 25KHz
Adjacent Channel selectivity	≥60dB @ 12.5KHz / ≤70dB @ 26KHz
Stray radiation	<-57dBm

### Standard accessories

