



IP68 DMR

Professional digital Radio

DMR Professional Digital Radio

Digital-analog compatibility Relay function 199 dual-half channel /2 areas

ET-D50

- Digital/Analog
- Channel scanning
- Transmission license
- VOX voice control
- Low battery reminder
- Explosion proof function (Opt)

Analog mode

- Silence level
- Compression expander
- Scrambler
- Monitoring function
- Wide/narrow bandwidth selectivity
- CTCSS/CDCSS
- Busy channels are locked
- End sound elimination

Digital mode

- Single call/Group call/All call
- Encryption
- Emergency alarm
- Remote monitoring
- Radio detection
- Remote kill/remote resurrection
- Color code
- DMO 2 slot/DMR direct mode
- Relay function



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Product technical parameters IP68 DMR Professional digital walkie-talkies **ET-D50**

Whole machine part

Power requirements	7.4V
Battery	2200mAh (Standard Edition)
Size (without antenna)	134*61*39mm
Weight	About 305g
Water and dust proof	IP68
LCD display	N/A
AES encryption	Optional

General specification

Frequency range	VHF: 136-174MHz UHF:400-480MHz
Channel capacity	199 / 2 Zones
Channel spacing	6.25KHz / 12.5KHz / 25KHz
Frequency stability	±1ppm

Receiving part

Analog sensitivity	0.22uV/-120dBm(20 dB SINAD) 0.18uV/-122dBm(Typical)
Digital sensitivity	0.25uV/-119dBm (BER 5%) 0.4uV/-115dBm (BER 1%)
Intermodulation	TIA603C: 55dB; ETSI: 60dB
Adjacent channel selectivity	TIA603C: 60dB@12.5KHz ETSI: 60dB@12.5KHz

Transmitting part

Output power	LOW:1W;HIGH:4W
Audio distortion	≤3%
4FSK modulation	12.5KHz (data only) 7K60FXD 12.5KHz (data+voice) 7K60FXE
Frequency modulation	12.5KHz : 11K0F3E
Modulation limitation	2.5KHz @12.5KHz
Digital protocol	ETSI TS 102 361-1, -2, -3
Vocoder	AMBE+2™

Use environment

Operating temperature	-20°C~+55°C
Standby temperature	-40°C~+60°C

All Accessories



Host machine Antenna Battery Back clip Sling Charging base Charger

Scope of application



Logistics team Outdoor self-driving Property security Hotel catering Construction site Logistics warehouse