

ADESSO

PROFESSIONAL DIGITAL TWO-WAY RADIO



Digital / Analogue
mode switchable



Emergency
alarm



Voice Encryption

Features:

- ★ Adesso WT-9446D DMR PMR446 radio is the smallest most compact Digital radio available today.
- ★ Supporting both analogue and digital transmissions the WT-9446D ensures a seamless switch between either modes.
- ★ The extended battery life when compared to other analogue or DPMR digital radios ensures up to 40% longer cycles which ensures less downtime between charging.
- ★ Integrated voice and data, not only improve the work efficiency, but also support multiple applications for future proofing.
- ★ The individual side keys can facilitate a user's preferred functions, these are dealer programmable only.
- ★ Voice prompt (for digital and analogue mode) and visual LED color indicator (Blue refers to digital mode; Green refer to analogue mode) offering greater user-friendliness.
- ★ The use of digital vocoder AMBE+2™ ensures excellent audio quality, for crystal clear communications in numerous different working environments – WT-9446D is ready to offer instant communications for your workforce NOW!



WT-9446D

Digital Mobile Radio

The smallest DMR radio all over the world

Main Features

- TOT
- Scan
- High/Low Power
- Volume Control
- Low Power Alert
- Man Down (Optional)

Digital Features

- Remote Kill
- Remote Revive
- Private Call
- Group Call
- General Call
- No-address Call

- Remote Monitor
- Remote Detection
- Call Prompt
- Emergency Alarm
- Voice Encryption

Analog Features

- CTCSS
- DCS
- Squelch Setting
- Busy Channel Lockout
- Narrow/wide Band
- Scrambler (Optional)
- Compandor(Optional)

Technical parameters

General specification

Model	WT-9446D
Channel Zone	16
Total channel capacity (512)	256 (Analog)
	256 (Digital)
Frequency range	446MHz
Antenna impedance	50Ω
Dimension(HxWxD)	81x 52 x 30 mm
Weight (W/battery)	116g
Li-pol battery	2000mAh
Rated voltage	DC:3.7V
Battery: The average battery life under 5/5/90 duty cycle, and using carrier squelch and TX high power. 2000mAH li-pol battery Analog: 10.6hours / Digital: 14.3hours	

Note: The battery working life may vary.

Battery capacity maybe change without notice, but the list is standard specification.

Receiver

Frequency	446MHz
Channel Spacing	12.5kHz/25kHz
Frequency stability (-20°C、+60°C、+25°C)	+/- 1.5ppm
Analog sensitivity (12 dB SINAD)	0.3uV/0.25uV
Digital sensitivity (5% BER)	0.25uV/0.20uV
Intermodulation	65dB
Adjacent channel selectivity	60dB@12.5kHz / 65dB@25kHz
Spurious rejection	65dB
Rated audio	500mw
Audio distortion @rated audio	3%
FM hum & noise	-40dB@12.5kHz / -45dB@25kHz
Audio response	+1、-3dB
Conducted/ radiated emission	-57dBm

Transmitter

Frequency	446MHz
Channel Spacing	12.5kHz / 25kHz
Frequency stability (-30°C、+60°C、+25°C)	+/- 1.5ppm
Low Power	0.5W
Modulation restriction	±2.5kHz@12.5kHz/±5.0kHz@25kHz
FM hum&noise	-40dB@12.5kHz/-45dB@25kHz
Conducted/radiated emission	-36dBm<1GHz/-30dBm>1GHz
Adjacent channel selectivity	-60dB@12.5kHz/-65dB@25kHz
Audio Response	+1、-3dB
Audio Distortion	3%
FM modulation	12.5kHz: 11K0F3E 25kHz: 16K0F3E
4FSK digital modulation	12.5kHz data: 7K60F1D and 7K60FXD 12.5kHz audio: 7K60F1E and 7K60FXE 12.5kHz data and audio :7K60F1W
Digital vocoder	AMBE+2™
Digital agreement	ETSI-TS102 361-1、-2、-3

Standard Accessories:



Your Local Dealer