

AAHHi

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Professional Two-Way Radio Manufacturer



D11 4W DMR & ANALOG PORTABLE RADIO



Ergonomic Design, Durable, Clear-Voice

Channel Alias

Allows the user to give each channel a user defined name.

Digital Encryption

Some radios have encryption built in so that other radio operators cannot listen in to your communications.

Voice Prompts

The radio actually talks to you in a human-like voice. You will hear the prompt spoken in plain relative language.

Repeater Capable

These radios are capable of being used with a repeater station, which can greatly increase your communications range and reliability.

Talk Around

A radio communicates through a repeater to bypass it and communicate directly to the radio on the other end of the connection instead.

DTMF

DTMF is a technology that uses a combination of tones to perform a number of useful signaling operations.

Lone Worker

This safety feature requires operators to check in at certain intervals of time. If the user does not check in within that time frame, an alert is triggered.

Recorder (Optional Paid Feature)

The user enables to record and store short incoming audio, or record their own short message.



SPECIFICATION

| General | |
|--|------------------------------------|
| Frequency Range | 400-470 |
| Channel Capacity | 64 |
| Zone Capacity | 4 |
| Channel Spacing | 12.5/25kHz |
| Frequency Stability | ±500Hz |
| Antenna Impedance | 50Ω |
| Operating Voltage | DC 7.4V |
| Battery Capacity | 1500mAh |
| Battery Life(5-5-90 Duty Cycle, High TX Power) | Analog: 11 hours Digital: 15 hours |
| Dimensions (ex ant, H×W×D) | 119(H)×58(W)×31(D) mm |
| Weight | About 203g |

| Transmitter | | Receiver | |
|-----------------------------|---|-------------------------------------|--|
| Output Power | H:4.2±0.2W@7.4V L:1±0.2W@7.4V | Sensitivity(Analog) | -123dBm@12dB SINAD |
| Analog FM Modulation | 12.5 kHz: 11K0F3E 25 kHz: 16K0F3E | Selectivity(Digital) | ≤-117dBm(Ears5%) |
| Digital 4FSK Modulation | 12.5 kHz data:7K60FXD, data & voice:7K60FXW | Adjacent Channel Selectivity | ≥60dB |
| Conducted/Radiated Emission | < -36dBm [< 1 GHz]; < -30dBm [> 1 GHz] | Inter Modulation Response Rejection | ≥60dB |
| Modulation Limiting | ±2.5kHz @ 12.5 kHz ±5kHz @ 25kHz | CSQ Hum & Noise | ≥45 dB@25K; ≥40 dB@12.5K |
| FM Hum & Noise | <-45 dB@25K; <-40 dB@12.5K | Rated Audio Power Output | ≤1000mW |
| Adjacent Channel Power | ≤-65 dB@25K ≤-60 dB@12.5K | Rated Audio Distortion | ≤3% |
| Audio Response | +1dB ~ -3dB | Conducted Spurious Emission | < -57 dBm [< 1 GHz]; < -47 dBm [> 1 GHz] |
| Modulation Distortion | ≤5% | Co-channel Rejection | ≥-12dB |
| Digital Vocoder Type | AMBE+2 | Block | ≥84dB |
| Digital Protocol | ETSI-TS102361-1,-2,-3 | Received Signal To Noise Ratio | <-45 dB@25K; <-40 dB@12.5K |
| Carrier Frequency Tolerance | ±500Hz | | |

All specifications are subject to change without notice due to continuous development.

ACCESSORIES

STANDARD ACCESSORIES



TP008



BL009



CC006



PC1001

OPTIONAL ACCESSORIES



PC1010



LP002



EE004



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Name Card

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