

Talkpod



D5 Series

Digital Portable Radio

DMR

www.talkpod.us

Production Features

Slim Styling

The D50 is 4.52 x 2.2 x 1.06 (in), weighing 9.03 oz. The D5 Series have dual-color injection molding.

Longer Battery Life

In digital mode, the D5 Series can operate for approximately 18 hours under a duty cycle of 5-5-90.

Rugged & Reliable

Complies with IP54 (5: Generally protected against dust; 4: Protected against the effects of light rain or minor water splashes) ensuring outstanding performance.

Two-slot TDMA

Belonging to the DMR Tier II category, which covers licensed conventional systems, these radios are specified for 2-slot time division multiple access (TDMA) operation in 12.5 kHz channels. This means they can offer greater spectrum efficiency.

Advanced Signaling

Supports multiple advanced analog signaling modes, including HDC1200, 2-Tone and 5-Tone, providing better integration into existing analog radio fleets.

One Touch Call/Text

Supports One Touch features that include Preprogrammed Text Messages, Voice Calls and Supplementary Features.

Applications



Warehouse



Hotel



Events



Education



Retail



Security

Supplementary Features (Option License)

The D50 Series can decode Radio Enable, Radio Disable, and Remoter Monitor, as well as Priority Interrupt.

Dual Mode: Analog & Digital

Dual modes operation allows the programming of both analog to digital migration.

Secure Communication

Provides basic digital encryption and Scrambler feature in analog mode.

DMRA Data Service

The data protocol is fully compliant to the DMRA standard.

Accessories

Included

- Li-Ion Battery
- Smart Rapid-rate Charger
- Power Adapter
- Antenna
- Belt Clip
- Leather Strap

Optional

- High Capacity Battery
- Remote Speaker Microphone
- Voice Record Speaker
- Bluetooth Adaptor & Earphone
- Multi Unit Charger
- Programming Cable
- Talkkits & Smartphone Apps



Specifications

General

Model Number	D50	D55
Frequency Range	UHF: 400-470MHz	
Channel Capacity	64	999+
Zone Capacity	4	250
Channel Spacing	25/12.5KHz	
Increased Capacity	TDMA divides a 12.5 kHz channel into two alternating time slots.	
Operating Voltage	7.4V	
Battery	1650/3000mAh Li-Ion Battery	
Battery Life(5/5/90)	12Hrs @Analog; 18Hrs @Digital	
Frequency Stability	±1.5ppm	
Antenna Impedance	50Ω	
FCC ID	2ADQZTPD5X	
Dimensions (H×W×D)	4.52x2.2x1.06(in)	4.52x2.2x1.14(in)
Weight	9.03oz	9.38oz

Environmental

Operating Temperature	-10°C to 55°C
Storage Temperature	-40°C to 85°C
Operating Humidity	5% - 95% RH
Drop Resistance	2M(6') any orientation
Water Resistance	IP54 / IP67

Transmitter

RF Power Output	UHF: High 5W - Low 1W
FM Modulation(Analog Emissions Designator)	11K fF3E @ 12.5KHz; 16KfF3E @ 25KHz
4FSK Digital Modulation	12.5KHz Data Ony:7K6ΦFXD; 12.5KHz Data & Voice: 7K6ΦFXW
Conducted/Radiated Emission	-36dBm < 1GHz -30dBm > 1GHz
Modulation Limiting	±2.5KHz @ 12.5KHz; ±5.0KHz @ 25KHz
FM Hum & Noise	12.5KHz @11K0F3E
Adjacent Channel Power	60dB @12.5KHz; 70dB @25KHz
Audio Response	+1~-3dB
Audio Distortion	≤5%
Digital Vocoder Type	AMBE++ or AMBE+2TM
Digital Protocol	ETSI-TS102 361-1,2&3

Receiver

Sensitivity (Analog)	0.35μV/-116dBm (SINAD); 0.22μV/-120dBm (Typical)
Sensitivity (Digital)	0.35μV/-117dBm (SINAD); 0.22μV/-110dBm (Typical)
Rated Audio Power Output	1W
Rated Audio Distortion	≤3%
Aduio Response	+1 ~ -3dB
Conducted Spurious Emission	< -57dBm

* Specifications subject to change without notice.

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