# Talkpod





#### **Production Features**

#### Slim Styling

The D50 is  $4.52 \times 2.2 \times 1.06$  (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.

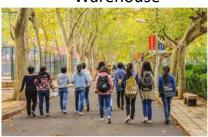
## **Applications**







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-lon 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**

Model Number	D50	D55		
Frequency Range	UHF: 400-			
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	3.0302	3.3002		
Operating Temperature	-10°C t			
Storage Temperature	-40℃ to 85℃			
Operating Humidity	5% - 95% RH			
Drop Resistance	2M(6') any orientation			
Water Resistance	/ater Resistance IP54 / IP67			
Transmitter				
RF Power Output	UHF: High 5W - Low 1W			
FM Modulation(Analog	11V fc2c @ 12 cvu-			
Emissions Designator)	11K fF3E @ 12.5KHz; 16KfF3E @ 25KHz			
4FSK Digital Modulation	12.5KHz Data Ony:7K6ФFXD; 12	2.5KHz Data & Voice: 7K6ФFXW		
Conducted/Radiated	-36dBm<1GHz			
Emission	-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				

<sup>\*</sup> Specifications subject to change without notice.

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