



Talkpod

# D56

## DMR Limited Keypad Digital Radio

The D56 is designed with Large LED display, Quick Keypad, One Touch Call/Text, Contact List and Voice Announcement to allowing you communication Portability, Simplicity and stay productive.



**DMR** **FC** **CE**  
DIGITAL MOBILE RADIO ASSOCIATION

Talkpod Technology Co., Ltd.

# Features

- 1.5 Inch LED Screen
- Digital & Analog Dual Mode
- DMO 2-Slot
- Intelligent Noise Reduction
- CE/FCC/IC/RCM
- 40% Battery Life Increase
- DMR Tier II
- 6 Quick Keypads
- IP 66 Highest
- SOS Alarm
- AMBE ++ or AMBE +2TM
- Trill Enhancement
- Microphone Distortion Control
- Unique Serial Number

## Special Function

- Meet with ETSI TS 102 361-1,2&3**

Being energy-efficient, it offers longer battery life and thanks to 2-slot TDMA, it is possible to obtain 2 talk paths within an analogue 12.5 kHz bandwidth, thus doubling the capacity..

- Large LED Display Allowing Outdoor Strong light**

Features a larger pixel aperture color display with a flexible menu-driven interface. Icons and large easy-to-use navigation buttons ease message reading and menu navigation.

- Superior Audio**

With the combined application of narrowband codec and digital error correction technologies, D56 is capable of ensuring you superior voice in noisy environments or at the edge of the coverage area. In addition, the adoption of the AGC technology also optimizes your voice. With a built-in 1W FST speaker, D56 ensures clear and crisp voice communication.

- IP66 Rating for improved durability (Optional)**

D56 can comply up to IP66 the highest dust and waterproof standard, to keep components from erosion, so you can work with confidence in the challenging environments. Even in the harshest conditions, like rain, snow, sandstorm weather, D56 still works well, to help frontline personnel fulfill the mission.

- One Touch Call/Text**

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

- Versatile Voice Calls**

The intelligent signaling supports various voice call types, including Private Call, Group Call, All Call and Emergency Call.

- Professional design, excellent feel**

According to ergonomic design, matte texture, two-color injection body, compression and wear resistance, the machine is light and compact. The thickness of the machine with standard battery is only 29mm and the weight is only 265g.



# User Scenario

D56 is powerful, not only supports digital recording, but also freely switch digital signals, excellent compatibility makes it possible to deal with a variety of emergencies.

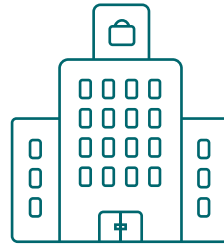
In the property security, transportation, hotel services and other different industries to provide users with strong communication protection.



Hotel



Airport



Mall



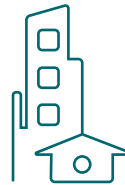
Retail



Warehouse



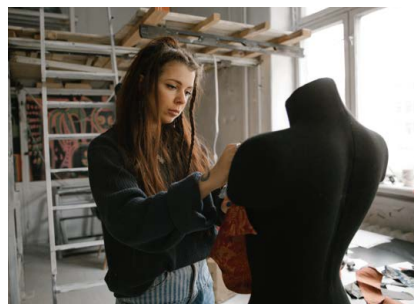
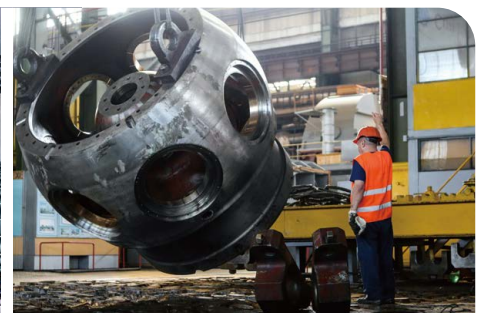
Military



Administrative



Engineering



# Product Description

D56's overall design highlights Talkpod's pursuit of quality. The all-black business appearance is calm, simple and ergonomic design, the size is just right, plus the pure PC material, it is more comfortable to hold the handshake, and even a long work can bring a good experience.



# Product Accessories

Choose from a variety of Talkpod accessories designed, tested, and certified to optimize D56 performance. However, in order to ensure the use effect, we recommend using the accessories recommended by Talkpod.

## Standard Accessories



TBL01



TBC02



TCA01



TAT01



TCL01



TST01

## Optional Accessories



TBL02



TBC01



TCA08



TCC01



TBL02E



TMC02



TCA03



TAT02



TPC01



TCL05



TEM10

# Product Specification

Transmitter	
Channel spacing	12.5/25kHz
4FSK digital modulation	12.5/25kHz data only: 7K60FXD 12.5kHz data & voice: 7K60FXW
Digital protocol	ETSI-TS102 361-1, 2&3
Conducted / radiated emission	-36dBm <1GHz -30dBm >1GHz
Modulation limit	±2.5KHz @ 12.5KHz ±5.0KHz @ 25KHz
FM modulation(Analog emissions designator)	11K fF3E @ 12.5kHz 16K fF3E @ 25kHz
Adjacent channel power	60dB @ 12.5KHz 70dB @ 25KHz
Frequency stability	±0.5ppm
FM hum & Noise	12.5kHz @ 11K0F3E

Receiving Part	
Sensitivity (digital)	0.35µV/-117dBm(SINAD) 0.22µV/-110dBm(Typical)
Sensitivity (analog)	0.35µV/-116dBm(SINAD) 0.22µV/-120dBm(Typical)
Adjacent channel selectivity 1T	60dB (12.5KH channel) 70dB (25KHz channel)
Adjacent channel selectivity 2T	60dB (12.5KH channel) 70dB (25KHz channel)
Inter modulation	70dB
Spurious rejection	70dB

General Specifications	
Battery	7.4V/1650(Standard)/3000(Optional)mAh
Battery Life	1650mAh Battery: Talk (5–5–90): 10hrs 3000mAh Battery: Talk (5–5–90): 15hrs
Zone capacity	250
Channel spacing	12.5/12.5 KHz
Channel capacity	1000
Dimensions	115x55x30(mm) /4.52x2.16x1.18(in)
Weight	260g/9.17oz
Frequency Stability	±1.5ppm
Frequency Stability	50Ω
Increased Capacity	2–slot time division multiple access in 12.5kHz channel

Audio	
Digital vocoder type	AMBE++ or AMBE + 2TM
Speaker	FST ND3662
Audio IC	ST TDA2822
Audio response	+1~-3dB
Rated audio output	1W
Rated audio distortion	≤3%
Conducted spurious	< -57dBm

Certification	
CE FCC & IC ID	FCC 2ADQZTPD5X
Dustproof and waterproof	IP54 (Standard) /IP66 (Optional)

The above specifications are tested according to applicable standards. Due to the continuous development of technology, the above index data is subject to change without notice.


General Specifications			
Model number	D56-A3-U1	D56-A3-U4	D56-A3-V1
Output Power	1-5W	1-5W	1-5W
Frequency Range	400-470MHz	450-520MHz	136-174MHz
Band	UHF	UHF	UHF

Environmental Index					
MIL-STD	810C	810D	810E	810F	810G
Low Pressure	500.1/ I	500.2/ I, II	500.3/ I, II	500.4/ I, II	500.5/ I, II
High Temperature	501.1/ I, II	501.2/ I, II	501.3/ I, II	501.4/ I, II	501.5/ I, II
Low Temperature	502.1/ I	502.2/ I, II	502.3/ I, II	502.4/ I, II	502.5/ I, II
Temperature Shock	503.1/ I	503.2/ I	503.3/ I	503.4/ I, II	503.5/ I, II
Solar Radiation	505.1/ I	505.2/ I	505.3/ I	505.4/ I	505.5/ I
Rain	506.1/ I, II	506.2/ I, II	506.3/ I, II	506.4/ I, III	506.5/ I, III
Humidity	507.1/ I, II	507.2/ II, III	507.3/ II, III	507.4	507.5/ II
Salt Fog	509.1/ I	509.2/ I	509.3/ I	509.4	509.5
Dust	510.1/ I	510.2/ I	510.3/ I	510.4/ I, III	510.5/ I
Vibration	514.2/ VIII, X	514.3/ I	514.4/ I	514.5/ I	514.6/ I
Shock	516.2/ I, II, V	516.3/ I, IV	516.4/ I, IV	516.5/ I, IV	516.6/ I, IV

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