



Talkpod

D55















DMR Limited Keypad Digital Radio

The D55 is designed with Large LCD display, Quick Keypad, One Touch Call/Text, Contact List and Voice Announcement to allowing you communication Portability, Simplicity and stay productive.



Talkpod Technology Co., Ltd.

Features

- | | |
|---|---|
|  1.5 Inch LCD Screen |  6 Quick Keypads |
|  Digital & Analog Dual Mode |  IP 66 Highest |
|  DMO 2-Slot |  SOS Alarm |
|  Intelligent Noise Reduction |  AMBE ++ or AMBE +2TM |
|  CE/FCC/IC/RCM |  Trill Enhancement |
|  40% Battery Life Increase |  Microphone Distortion Control |
|  DMR Tier II |  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 LCD 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, D55 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, D55 ensures clear and crisp voice communication.

- **IP66 Rating for improved durability (Optional)**

D55 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, D55 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.



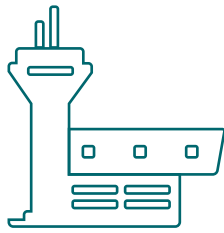
| User Scenario

D55 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



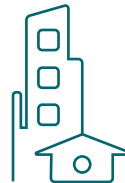
Retail



Warehouse



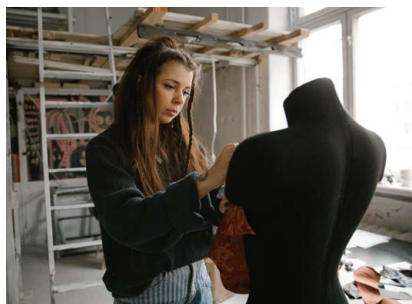
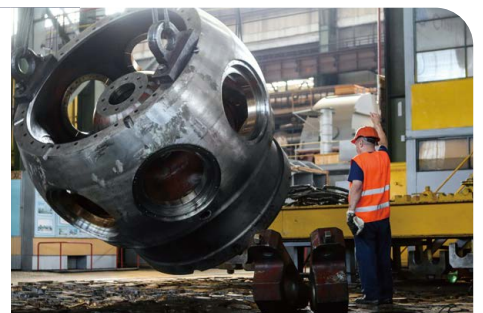
Military



Administrative



Engineering



Product Description

D55'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 D55 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	D55-H5-U1	D55-H5-U2	D55-H5-U3
Output Power	5W	1W	1W
Frequency Range	400-470MHz	350-400MHz	446MHz
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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TALKPOD TECHNOLOGY CO., LTD.

4#419 Saige Tech. Park, Zhenxing Road, Futian District,
Shenzhen, People's Republic of China 518000

www.talkpod.com