

Talkpod

D30

DMR Digital Portable Radio

The Talkpod D30 is a DMR radio capable of providing quality voice communication in a small pocket-sized design approved to IP54 testing. This is the ideal radio solution for small organizations looking for a cost-effective way to migrate to clear digital communication.

DMR
DIGITAL MOBILE RADIO ASSOCIATION

**RATED
IP54**



Talkpod Technology Co., Ltd.

Special Function

Features

- Standard UHF 400–470MHz
- High/Low Power Switch
- Digital & Analog Dual Mode
- DMO 2–Slot
- Intelligent Noise Reduction
- AMBE ++ or AMBE +2TM
- 40% Battery Life Increase
- Microphone Distortion Control
- DMR Tier II
- Unique Serial Number
- SOS Alarm
- Intelligent Audio

• Analog & Digital Dual Mode

Get all the benefits of digital, including better voice quality, better range and better battery life—but retain compatibility with your existing radio fleet. With analog and digital capability, you have the freedom to migrate to the latest technology at your own pace.

• Smaller, Handheld Design

The D30 Smaller Handheld design, Anti-skidding design, functionality and style to meet the communication needs of customers in the express, transportation, warehouse, events, and security.

• Better Radio Call Quality

With the combined application of narrowband codec and digital error correction technologies, D30 is capable of ensuring you superior voice in noisy environments or at the edge of the coverage area. In addition, D30 built-in a 1W speaker to ensures clear and crisp voice communication.

• DMO True 2–Slot / DMRA Direct Mode

In Directmode D30 can provide 2-slot communication, which allows for 2 talk paths on 1 frequency.

• Voice Announcement

Audible prompts confirm operations on your radio, allowing you to keep your eyes on the job.

• Various Analog Signaling Types

Various analog signaling types various squelch control types (CTCSS/ CDCSS), thus providing higher function expansion capacity to the analog world.

• Longer Battery Life

In digital mode, the D30 can operate for approximately 10 hours under a duty cycle of 5–5–90.

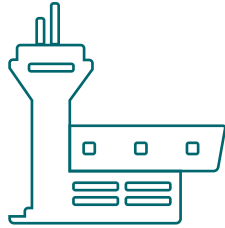


User Scenario

The communication needs of various business, service industry, industrial and commercial user groups in offices, airports, hotels and entertainment venues are covered. Both form and function. To ensure the highest level of customer service, these professionals need a support for their focus on immediate work make and liberate your hands. The D30 is such an intuitive and easy-to-use digital walkie-talkie that improves work efficiency.



Restaurant



Airport



Mall



Retail



Warehouse



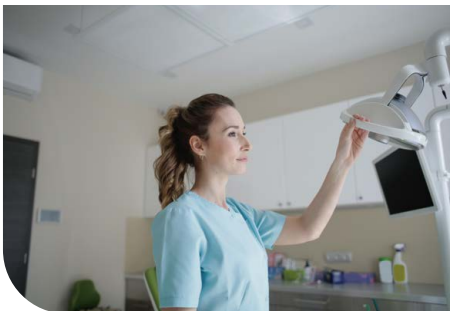
Education



Administrative



Engineering



Product Description

With a rugged design and long-lasting battery, the D30 can easily overcome daily work challenges. Certified to be dust-proof, rain-proof, impact-resistant and drop-resistant, it has obtained IP54 and MIL-STD/810C/D/E/F/G protection levels.



Product accessories

Choose from a variety of Talkpod accessories designed, tested, and certified to optimize D30 performance. However, in order to ensure the use effect, we recommend using the accessories recommended by Talkpod.

Standard Accessories



TBL17



TBC04



TAT01



TCL05



TST01



TPB03

Optional Accessories



TBL12



TBC03



TCA01



TCA03



TCA06



TPC06



TMC02



TCC01



TBL06E



TAT02



TCL03



TEM10



TPH01



TPH06

Product Specification

Receiving Part	
Sensitivity (digital)	0.35 μ V/-117dBm(SINAD) 0.22 μ V/-110dBm(Typical)
Sensitivity (analog)	0.35 μ V/-116dBm(SINAD) 0.22 μ V/-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

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

General Specifications		
Model number	D30-D4-U1	D30-D4-U3
Output Power	5W	0.5W
Frequency Range	400-470MHz	446MHz
Band	UHF	
Zone capacity	4	
Channel spacing	25/12.5 KHz	
Channel capacity	16	
Dimensions	113x54x33(mm)/4.44x2.12x1.29(in)	
Weight	230g/8.11oz	
Battery life(5/5/90) Standard capacity 1650mAh	18Hrs@Analog; 25Hrs@Digital	
Battery life(5/5/90) High capacity 3200mAh	25Hrs@Analog; 35Hrs@Digital	
Frequency Stability	50Ω	
Frequency Stability	±1.5ppm	
Increased Capacity	2-slot time division multiple access in 12.5kHz channel	
Battery	7.4V/2000(Standard)/3000(Optional)mAh	
Battery Life	2000mAh Battery: Talk (5-5-90): 10hrs 3000mAh Battery: Talk (5-5-90): 15hrs	

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

Certification	
CE FCC & IC ID	FCC 2ADQZTPD5X
Dustproof and waterproof	IP54

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.

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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