

Talkpod

D57

## DMR Full Keypad Digital Portable Radio

Delivering super audio quality, full color display, enhanced GPS, and text messaging, the D57 powerful audio, being able to hear, loud and clear; offers expert applications customized to your business.



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

Talkpod Technology Co., Ltd.

# Features

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

## Special Function

- DMO Dual-slot Direct Mode**

Two simultaneous direct-mode subscriber calls can be conducted in a 12.5 kHz channel, without requiring a repeater, thus doubling channel capacity.

- Powerfully Digital Audio**

A radio's most important quality is clarity – being able to hear, loud and clear, what the other party is saying, and these mobiles deliver just that. For instance, the AMBE+2 Vocoder technology accurately replicates natural human speech nuances for superior voice quality, even with high level of ambient noise.

- 1.8 inch Resolution Color LED Display**

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.

- GPS Built-in, Track & Trace (Optional)**

D57 supports viewing of GPS positioning information and sending of GPS text message; the GPS built-in gives you higher precision at lower cost, to enhance the safety and accountability of your team.

- Man Down (Optional)**

Integrated accelerometer for optional Man Down.

- Voice Record up to 100 Hours**

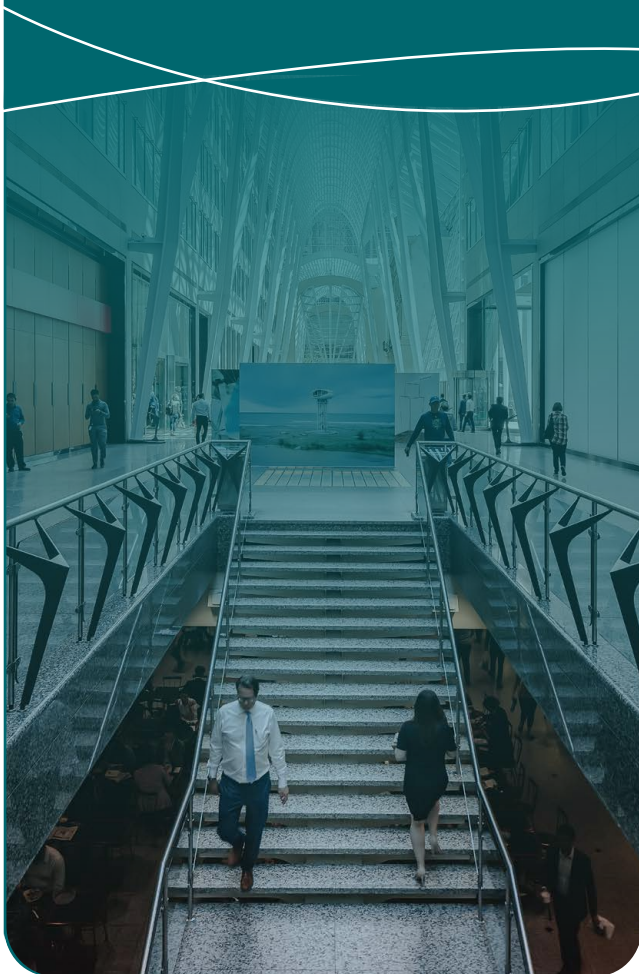
The D57 offers the high memory with recording capacity of up to 100 hours.

- Transmit Interrupt**

Enables a user to interrupt another radio conversation to deliver critical communication exactly when and where it's needed.

- Wider Available Frequency Range(Optional)**

Expanded frequency range of 350/400/470/520MHz.

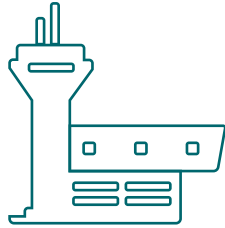


# User scenario

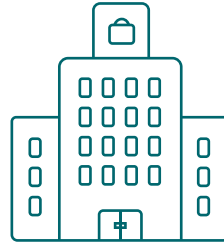
Talkpod's D57 digital walkie-talkie communication solution fully meets the business needs of commercial customers in the mid-to-high-end market walkie-talkies in the world, and has provided clear and stable services for many railway transportation, emergency firefighting, property security, hotel management, petroleum and petrochemical, port and terminal users. Reliable digital communication solution.



Hotel



Airport



Shopping center



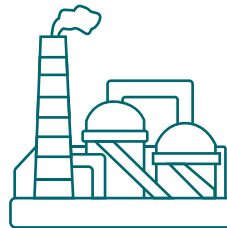
Retail



Manufacturing



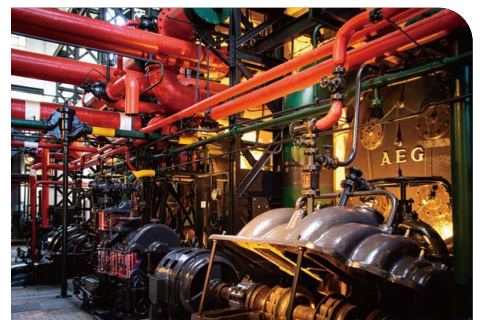
Military industry



Factory

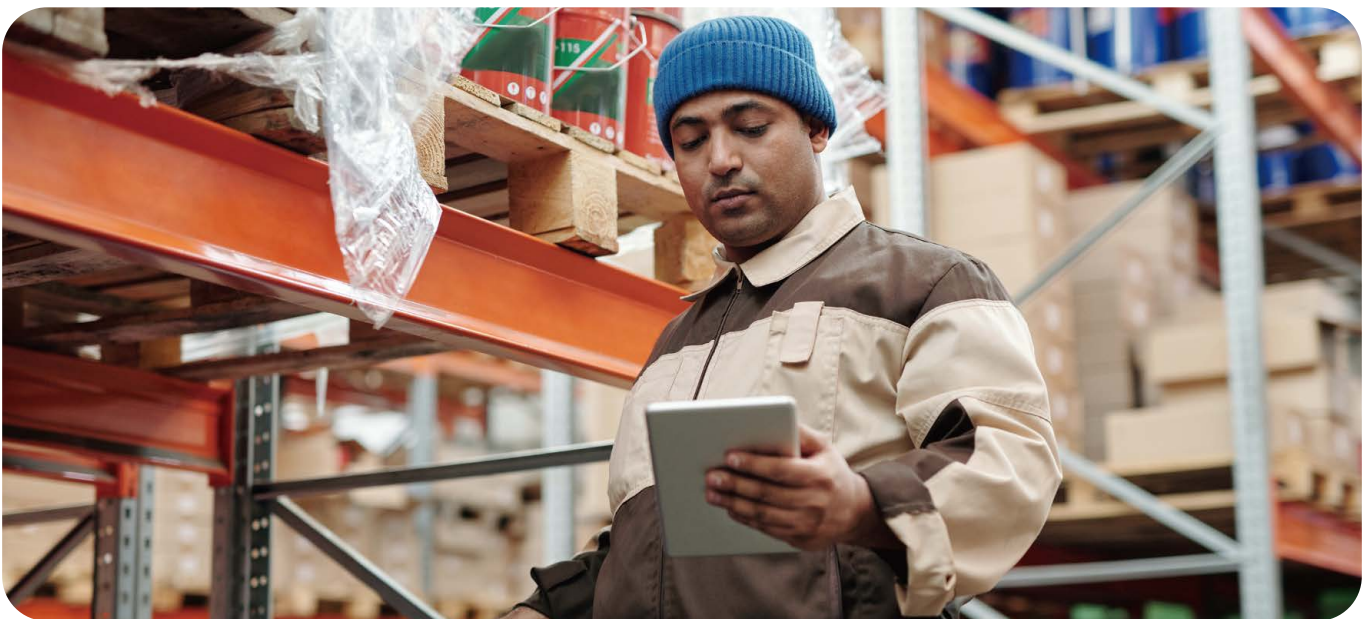


Engineering



# Product Description

Adhering to the rich human-computer interaction design concept, its appearance is fashionable and eye-catching, pure PC material, rigorous structure, large-capacity battery and strict environmental testing ensure long-term stable work.



# Product Accessories

Choose from a variety of Talkpod accessories designed, tested, and certified to optimize D57 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	277g/9.77oz
Frequency Stability	±1.5ppm
Frequency Stability	50Ω
Increased Capacity	2–slot time division multiple access in 12.5kHz channel

General Specifications	
Battery	1650/3000mAh

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.


Model Information			
Model number	D57–A3–U1	D57–A3–U4	D57–A3–V1
Output Power	1–5W	1–5W	1–5W
Frequency Range	400–470MHz	450–520MHz	136–174MHz
Band	UHF	UHF	VHF

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

Copyright © Shenzhen Talkpod Technology Co., Ltd. 2020. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Shenzhen Talkpod Technology Co., Ltd.

#### TRADEMARK NOTICE

 Talkpod, 拓朋 are trademarks or registered trademarks of Shenzhen Talkpod Technology Co., Ltd. Other trademarks, product, service and company names mentioned are the property of their respective owners.

#### NO WARRANTY

This document may contain forecast information, including but not limited to information about product families, new technologies, etc. There are many uncertain factors in practice, which may lead to the difference between the actual information and the forecast information big difference. Therefore, the information in this document is for reference only and does not constitute any offer or acceptance. Talkpod The above information may be modified without notice.



TALKPOD TECHNOLOGY CO., LTD.  
4#419 Saige Tech. Park, Zhenxing Road, Futian District,  
Shenzhen, People's Republic of China 518000  
www.talkpod.com