

DP405

DMR Portable Radio

Easy to Carry with Rugged Design
Cost-effective without Compromise on Quality
Dual Modes (analog & digital) for Smooth Migration
DMO 2-slot Increases Call Capacity
User-defined Voice Announcement





DP405 DMR Portable Radio

KEY FEATURES

Voice Annunciation

Channel number, zone change will be announced by voice. This helps operation under low visibility. This annunciation can be customized by user.

Clear and Loud Voice in Compact Size Device

Good audio quality provided by DMR technology and a 1W high-power loudspeaker. Make it possible to hear loud and clear even in noisy environments.

• DMO Support

Provide Direct Mode Operation in 2 slots increasing channel capacity without increasing channel frequency spectrum.

· Analog, Digital and Mixed Modes

DP405 is able to detect signal type when receiving a call and automatically switch between analog and digital mode. The user can reply during the call hang time using PTT. This feature improves migration from analog to digital.

· Long Operation Time

TDMA technology and power-saving feature enable the battery to work longer. DP405 with standard 2000mAH battery can work up to 15-18 hours in 5-5-90 mode.

Digital Encryption

It supports ARC 40-bit encryption, which guarantees communication safety and improve communication privacy. Encryption function provide further protection against over-the-air interception.

· Various Digital Signaling

It supports features such as Radio Check, Call Alert, Stun/Revive, Radio Kill, and Remote Monitor, which make the radio management easy.

· Man Down (optional).

It supports Man Down to guarantee user's safety at all times.

Pseudo Trunk

This feature can improve frequency efficiency by allocating the free slot to a member and helps you to communicate timely in an emergency.

SPECIFICATIONS

General

Frequency Range Channel Capacity Zone Capacity **Channel Spacing** Operating Voltage Batterv Battery Life

(5-5-90 Duty Cycle, High TX Power) Frequency Stability

Antenna Impedance

Dimension(H·W·D) (with battery, without antenna)

Weight(with standard battery) LCD Display

136-174MHz, 350-400MHz, 400-470MHz, 400-520MHz

256 16

25KHz/12.5KHz(Analog); 12.5KHz(Digital) $7.4V DC \pm 20\%$

2000mAH Li-ion(Standard) Analog:15 hours@2000mAh Digital: 18 hours @2000mAh ± 1.5 ppm

50Ω 34.5mm*60mm*130mm 280g(2000mAh) None

Receiver

Sensitivity Analog Sensitivity Digital Selectivity

Spurious Response Rejection

Hum and Noise Rated Audio Power Output Rated Audio Distortion Audio Response Conducted Spurious Emission

0.22µV@12dB SINAD 0.22uV@BER5% 60dB@12.5kHz, 70dB@25kHz(TIA-603) 60dB@12.5kHz, 70dB@25kHz(ETSI) 70dB@12.5kHz/25kHz(TIA-603) 70dB@12 5kHz/25kHz(FTSI) 40dB@12.5KHz, 45dB@25KHz 1W@ 16Ω ≤3%(typically) +1~-3dB

-57dBm@<1GHz,-47dBm@>1GHz

Transmitter

RF Power Output FM Modulation 4FSK Digital Modulation Modulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response **Audio Distortion** Digital Vocoder Type

VHF:1W/5W; UHF:1W/4W 11KΦF3E@12.5kHz;16KΦF3E@25kHz 7K6ΦFXD@Data;7K6ΦFXW@Data+Voice ±2.5kHz@12.5KHz; ±5kHz@25kHz 40dB@12.5kHz, 45dB@25kHz 60dB@12.5kHz, 70dB@25kHz +1~-3dB 3%

ABMF+2™ ETSI-TS102 361-1.-2.-3

Environment Specifications

Operating Temperature Storage Temperature **ESD**

Digital Protocol

-30℃ ~ +60℃ -40℃ ~ +85℃ IEC610000-4-2(Level4) ±4kV(Contact) ±8kV(air)

STANDARD ACCESSORIES









without notice due to continuous development.



All specifications are tested according to applicable standards, and subject to change



Adaptor

Single Unit Charger

Battery

Belt Clip

Antenna

Strap



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