BTG BRIGHTON TECHNOLOGIES GROUP

BTG **DP**405

KEY FEATURES AND BENEFITS

- Easy to carry with stylish design
- Cost-effective with good quality
- Dual mode (analogue & digital) for smooth migration
- DMO 2-slot increases call capacity
- User-defined voice annunciation

KEY FEATURES AND BENEFITS

Self-defined Voice Annunciation

The user can directly download voice annunciation of different languages and also zone alert tone to the radio through the PC software based on the actual needs. After powering on, the voice annunciation will automatically switch to the local language.

Compact Size with Clear and Loud Voice

The application of 1W high-power loudspeaker and the technology of advanced digital voice encoding as well as forward error correction make it possible for the user to hear clear and loud voice even in the noisy environment.

Improved Call Capacity with DMO 2-slot

The feature of DMO 2-slot realizes two group calls on the same frequency at the same time in Direct Mode. The call capacity can be increased without having to apply for additional frequency, thus greatly helping the user to save the cost.

Smooth Transition and Compatibility with Both Analog and Digital Mode

It supports both digital and analog mode, so the user can go on using the existing analog radio to talk to DP405.

Longer Operation Duration

TDMA technology and power-saving feature enable the battery to work longer. DP405 with standard 2000mAH battery can perform for 16 hours to meet the user's demands on longer operation.

ARC 40-bit Encryption Guarantees Safe Communication

It supports ARC 40-bit encryption, which guarantees communication safety and prevent from being eavesdropped.

Various Digital Signaling

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

Emergency call, Lone Worker and Man Down (optional)

It supports features including Emergency Call, Lone Worker and Man Down to guarantee user's safety at all times.

RFID (optional)

Optional RFID does not require manual input/search, greatly improving convenient rental management by easy scanning.

SPECIFICATIONS

General	
Frequency range	136 ~ 174 MHz, 400 ~ 470MHz, 450 ~ 520MHz
Channel capacity	256
Power supply	7.5V DC ±20%
Operating temperature	-30°C ~ +60°C
Number of Channels	1/16/1900
Battery	200mSH Li-ion (Standard)
Dimensions (W X H X D)	116 mm X 54 mm X 31 mm
Weight	275g
Receiver	
Frequency Stability	±1.5ppm
Reference Sensitivity	-119dBm@12dB SINAD -119dBm@5%BER
Adjacent channel selectivity	60dB@12.5KHz, 70dB@25KHz
Spurious rejection	70dB
Rated Audio Distortion	≤3% (typically)
Intermodulation	1/0/1900
Audio response	+1 ~ -3dB
Radiated spurious emission	-36dBm < 1GHz, -30dBm > 1GHz
Transmitter	
RF Power Output	5W/1W(VHF) 4W/1W(UHF)
Frequency Modulation	16KφF3E/11KφF3E(Analog) 4FSK(Digital)
Antenna Impedance	50Ω
Modulation Limiting	±2.5KHz @12.5KHz, ±5KHz@25kHz
Digital Protocol	ET I TS 102 361-1,-2,-3
Digital Vocoder Type	ABME+2
Audio response	(300-3000Hz)+1 ~ -3db
Audio distortion	<5%

STANDARD ACCESSORIES

Desktop Charger **Adapter** **Battery Pack** **Belt Clip** **Antenna**