

ENHANCED BUSINESS TWO-WAY RADIO BP51X/BP56X

STAY CONNECTED, STAY PRODUCTIVE.



BP51X

BP56X

FEATURES TO KEEP YOU CONNECTED



Smooth Analog-to-Digital Migration

BP5 Series can operate in digital or analog mode, which is the ideal solution for you to migrate from analog to digital with minimal disruption and investment. Moreover, BP5 Series provides 256 channels, making packet communication more flexible.



Unrivaled Ruggedness

IP54 rated, BP5 Series stands up to water and dust. BP5 Series has an anti-abrasive and anti-scratching housing and durable keys being tested with 400,000 presses. Therefore, the users can use BP5 Series in any harsh environment.



DESIGNS FOR EASE OF USE



Clear and Loud Audio

With the professional noise cancellation algorithm adopted, BP5 Series can filter out the ambient noise. The 3-watt speaker can deliver the audio with the loudness up to 90dB. So the users can hear the voice clearly from each other even in an uproarious environment. Plus, when multiple BP5 Series radios are used together in close proximity, no annoying howling occurs.



Quick team-up, double the efficiency

The AP510 team up function helps you quickly establish communication with other AP5 and BP5 series devices. Once enabled, terminals can automatically synchronise channel information without the need for radio configuration. The operation is simple, with teaming completed in seconds, significantly improving team collaboration efficiency.



Communicate Throughout the Workplace

BP5 Series comes with the high-sensitivity RX module and high-efficiency monopole antenna for stronger signal penetration. Thus, the users can communicate smoothly even with low battery or in weak signal areas. Additionally, the antenna has the unique thickened thread design for great flexibility, better radiation efficiency, prolonged service life, and extended communication range.





Outlast Your Shift

BP5 Series features an uncompromised, long-lasting battery which remains 80% capacity even after over 500 charges and discharges. Benefiting from powerful 10W charging, BP5 Series can be fully charged only in 1.8 hours; in other words, one-hour charging means 10-hour working time on a 5-5-90 duty cycle. The Type-C USB port on the radio allows the users to charge BP5 Series anywhere with a power bank. In addition, the battery is rugged enough to withstand extreme temperature.



Trustworthy Quality

BP5 Series is built with Hytera quality. At Hytera, quality is everywhere, from the world's largest professional mobile radio (PMR) production line, to strict supplier management system, to stringent quality control process. All of these contributes to the durability and reliability of each radio.

KEY FEATURES

- Team Up
- RRS('Smart Dispatch Plus')
- Emergency call
- Message
- A&D Mixed scanning
- Priority interrupt (Optional)
- Basic Encryption(Optional)
- Roaming(Optional)
- Enable/Disable(Optional)
- Remote Monitor(Optional)



SPECIFICATIONS

General		
	BP51X	BP56X
Frequency Range	136-174MHz;350-400MHz; 400-470MHz	136-174MHz; 400-470MHz; 450-520MHz
Channel Capacity		256 (Digital+Analog)
Zone Capacity	4	8
Zone Channel		16
Channel Spacing		12.5kHz/20kHz/25kHz
Operating Voltage		7.2V
Battery		1500mAh (Standard); 2400mAh (Optional)
Battery Life (5/5/90 Duty Cycle,High TX Power)		Analog: 12h(1500mAh), 18h(2400mAh) Digital: 16h(1500mAh), 26h(2400mAh)
Frequency Stability		±0.5ppm
Antenna Impedance		50Ω
Weight(with antenna&battery)	210g	230g
Dimensions (H x W x D)		115 X 55 X 29.5mm
BT(optional)		BT 5.0 BLE+EDR
Display	N/A	1.77 inch TFT, 160X128pixel
Receiver		
Sensitivity		Digital: 0.18μV / BER5% Analog: 0.18μV (12dB SINAD)
Adjacent Channel Selectivity		TIA-603: 60dB@12.5kHz; 70dB@20/25kHz ETSI: 60dB@12.5kHz; 70dB@20/25kHz
Intermodulation		TIA-603: 70dB@12.5/20/25kHz ETSI: 65dB@12.5/20/25kHz
Spurious Response Rejection		TIA-603: 70dB@12.5/20/25kHz ETSI: 70dB@12.5/20/25kHz
Blocking		TIA-603: 80dB ETSI: 84dB
Hum and Noise		40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz
Rated Audio Power Output		1W
Rated Audio Distortion		≤3%
Audio Response		+1 to -3dB
Conducted Spurious Emission		<-57dBm
Transmitter		
RF Power Output		136-174Mhz/450-520Mhz: 5W/1W(high/low) 350-400Mhz/400-470Mhz: 4W/1W(high/low)
FM Modulation		11K0F3E@12.5kHz; 14K0F3E@20kHz; 16K0F3E@25kHz
4FSK Digital Modulation		12.5kHz Data Only: 7K60FXD 12.5kHz Data and Voice: 7K60FXW
Conducted/Radiated Emission		-36dBm < 1GHz; -30dBm > 1GHz
Modulation Limiting		±2.5kHz@12.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz
FM Hum&Noise		40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz
Adjacent Channel Power		60dB@12.5kHz; 70dB@20/25kHz
Audio Response		+1 to -3dB
Audio Distortion		≤3%
Digital Vocoder Type		AMBE+2™
Environmental		
Operating Temperature		-30°C* ~ +60°C
Storage Temperature		-40°C ~ +85°C
ESD		IEC 61000-4-2 (Level 4) ±8kV (contact); ±15kV (air)
Dust and Water Intrusion		IEC60529-IP54(Standard)/IP67(Optional)
Humidity		MIL-STD-810 H
Shock and Vibration		MIL-STD-810 H

*Radio only - Battery -20°C

ACCESSORIES

STANDARD ACCESSORIES:

OPTIONAL ACCESSORIES:



Li-ion Battery
1500mAh



Rapid-rate
Charger



Power Adapter
12V/1A



Belt Clip



Strap



Antenna



Li-ion Battery
2400mAh



Power Adapter(USB)



Type-C Cable



Multi-unit charger



C-Earset



D-Earset



Earpiece with Transparent
Acoustic Tube



Speaker Microphone



Programming Cable



Carrying Case
(Nylon)



Chest Pack



Waterproof Bag



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