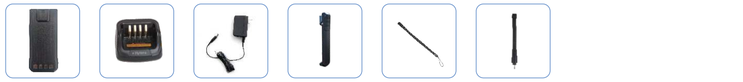
SPECIFICATIONS

	BP51X	BP56X
General		
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: 16(1500mAh), 26h(2400mAh)	
Frequency Stability	±0.5ppm	
Antenna Impedance	50Ω	
Weight(with antenna&battery)	210g	230g
Dimensions (H x W x D)	115×55×29.5mm	
BT (optional)	BT 5.0	
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℃* ~ +60℃	
Storage Temperature	-40℃ ~ +85℃	
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℃

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

Hytera

Respond & Achieve

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Hytera

ENHANCED BUSINESS TWO-WAY RADIO

BP51X/BP56X

STAY CONNECTED, STAY PRODUCTIVE.

DMR



BP51X BP56X

www.hytera.com

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(Standard)/IP67(Optional) 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.

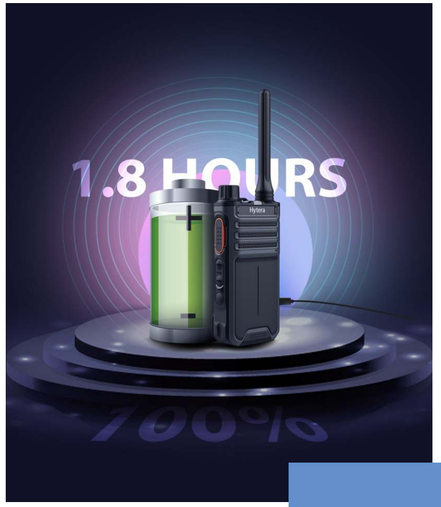
Voice Announcement

If the users are using the model BP51X which has no screen,it can give a customized voice announcement whenever the users perform an operation such as channel switch. This keeps their eyes on the task at hand.

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 flexiblity, better radiation efficiency, prolonged service life, and extended communication range.



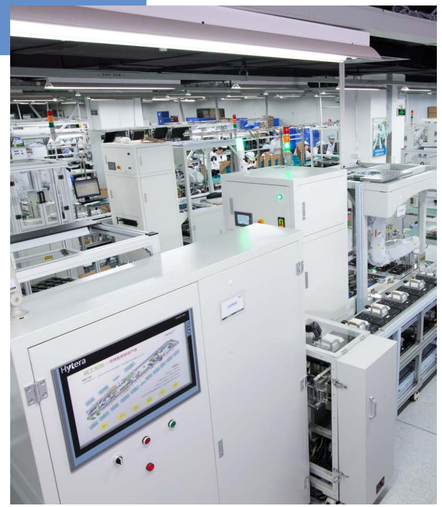


Outlast Your Shift

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

- RRS('Smart Dispatch Plus')
- Emergency call
- Message
- A&D Mixed scanning
- Priority interrupt (Optional)
- Basic Encryption(Optional)
- Roaming(Optional)