

SPECIFICATIONS

General	BP51X		BP56X
Frequency Range		UHF: 400-470 MHz; VHF: 136-174 MHz	
Channel Capacity	64		128
Zone Capacity	4		8
Zone Channel		16	
Channel Spacing		12.5kHz/20kHz/25kHz	
Operating Voltage		7.4V	
Battery		1500mAh (Standard); 2000mAh (Optional)	
Battery Life (5/5/90 Duty Cycle, High TX Power)		Analog: 12h (1500mAh), 16h (2000mAh) Digital: 16h (1500mAh), 21h (2000mAh)	
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
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		VHF: 5W/1W; UHF: 4W/1W	
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 <1 GHz; -30dBm >1 GHz	
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	
Humidity		MIL-STD-810 G	
Shock and Vibration		MIL-STD-810 G	

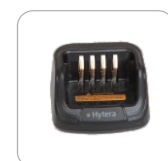
*Radio only - Battery -20°C

ACCESSORIES

STANDARD ACCESSORIES:



Li-ion Battery
1500mAh



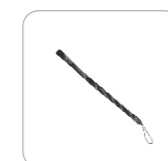
MUC Rapid-
rate Charger



Power Adapter
12V/1A



Belt Clip



Strap



Antenna

OPTIONAL ACCESSORIES:



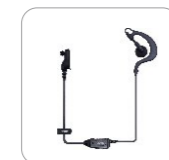
Battery
2000mAh



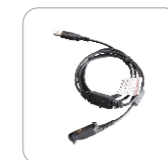
Adapter(USB)



Data Cable



C-Earset



Programming Cable
PC155

Hytera
Respond & Achieve

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Hytera

ENHANCED BUSINESS TWO-WAY RADIO BP51X/BP56X

STAY CONNECTED, STAY PRODUCTIVE



BP51X

BP56X

www.hytera.com

FEATURES TO KEEP YOU CONNECTED



DIGITAL AND ANALOG COMPATIBLE

Supports both digital and analog modes, compatible with your existing digital and analog systems and terminals. Powerful digital features like priority interrupt, basic encryption, text messaging, roaming will enhance your business service. The BP5 series has extended range in class and feature 64/128 channels, make group communication more flexible.



STURDY BODY

Wear-resistant and scratch-resistant body, standard IP54 dustproof and waterproof; large key design, flexible operation even with gloves.



DESIGNS FOR EASE OF USE



CLEAR AND LOUD AUDIO

Light and compact with a built-in intelligent noise reduction algorithm, to eliminate unwanted background noise, supports three-level noise reduction adjustment so even if the other party is speaking in a noisy environment, you can still listen clearly. 3W high-power loudspeaker with a loudness of up to 90dBA, the sound is clear and loud even in noisy and other harsh conditions; good howling suppression ability, even if many people use the walkie-talkie in the same room, there will be no annoying howling sound.



VOICE BROADCAST

Voice broadcast confirms the operation to programmable button or changing the channel of non-display radios.



EXPAND COVERAGE

The BP5 has high-sensitivity receiving module and high-efficiency monopole antenna to enhance signal penetration and achieve better call effect even in weak signal areas. In addition, the monopole antenna has unique thick screw thread design and is not easy to break and bend, it help enhance antenna life time and also increase the radiation efficiency compared to traditional antenna by 11% to extend radio communication distance.



Type-C charging

Use Type-C charging interface, can be used with a mobile power supply to instantly replenish energy, and put it to work anytime, anywhere.



HIGH ENERGY BATTERY

The BP5 series uses international well-known brand batteries with a long service life. It still has 80% of the initial battery capacity after 500 charge-discharge cycles. The radio can be charged from 0% to 100% in only 1.8 hours. After charging for 1 hour it can work for 10 hours. A 10W rapid-rate charger ensures safe and reliable charging which can work in harsh environments such as high or low temperatures.



DELICATE APPEARANCE

Lightweight design making it lighter and thinner than similar products, easy to carry and use: Two-colour injection moulding making it highly recognisable and able to suit the user's working environment and dressing habits. The colour can be flexibly customised based on your requirement.



TRUSTWORTHY QUALITY

Hytera has the world's largest professional communication production line, and manufactures each walkie-talkie in accordance with Industry 4.0 standards. Our strict supplier management system certification ensures each component meets the quality control requirements to ensure the consistency of product quality.

