

ENHANCED BUSINESS TWO-WAY RADIO BP51X/BP56X

STAY CONNECTED, STAY PRODUCTIVE



BP51X

BP56X

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.



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<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
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