

ENHANCED BUSINESS TWO-WAY RADIO BP512/BP562

STAY CONNECTED, STAY PRODUCTIVE



BP512

BP562

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.

DTMF - Encode Only (BP562) coming soon.



STURDY BODY

Wear-resistant and scratch-resistant body, standard IP54 dustproof and waterproof; large key design, flexible operation even with gloves (IP67 optional).



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 ANNOUNCEMENT

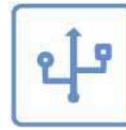
Voice Announcement confirms the operation to programmable button or changing the channel of non-display radios.



EXPAND COVERAGE

The BPS 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 .





USB-C Charging Port

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 lithium-ion 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.



Professional Design

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.



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		BP512	BP562
Frequency Range		UHF: 400-470 MHz; VHF: 136-174 MHz	
Channel Capacity		64	128
Zone Capacity		4	8
Channels Per Zone		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±5%g	230g±5%g
Dimensions (H x W x D)		115 X 55 X 29.5mm	
BT (optional)		BT 5.0 BLE+EDR	
Display		N/A	1.77 inchTFT
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 (Battery requires -20°C minimal operating temperature)	
Storage Temperature		-40°C ~ +85°C	
ESD		IEC 61000-4-2 (Level 4) ±8kV (contact); ±15kV (air)	
Dust and Water Intrusion		IEC60529-IP54 (IP67 optional)	
Humidity		MIL-STD-810 G	
Shock and Vibration		MIL-STD-810 G	
Radio Equipment List		IC/ISED Certification Number	
BP512 U(1)		8913A-BP512U1	
BP512 VHF		8913A-BP512VHF	
BP562 U(1)			8913A-BP562U1
BP562 VHF			8913A-BP562VHF

ACCESSORIES

STANDARD ACCESSORIES:



Antenna



Belt Clip
BC48



Battery
BL1507 1500mAh



MUC Rapid-rate
Charger
CH10A07



Power Adapter
PS2023



Strap
RO03

OPTIONAL ACCESSORIES:



Adapter(USB)
PS2023



USB Type C Cable
PC143



C-Earset
EHN36-P



Programming cable
PC155



Battery
2000mAh
BL2021



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