

ENHANCED BUSINESS TWO-WAY RADIO BP515/BP565

STAY CONNECTED, STAY PRODUCTIVE



BP515

BP565

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 features 64/128 channels, making 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 of programmable buttons or changing the channel of non-display radios.



EXPAND COVERAGE

The BP5 has a high sensitivity receiving module and high-efficiency monopole antenna to enhance signal penetration and achieve better call affect even in weak signal areas. In addition, the monopole antenna has a unique thick screw thread design and is not easy to break and bend, it helps to enhance antenna life time and also increase the radiation efficiency compared to traditional antennas by 10% to extend radio communication distance.





Digital and analog compatible

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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

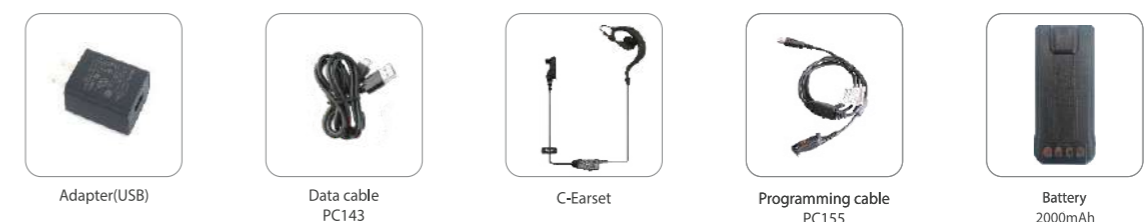
| General | BP515 | BP565 |
|---|---|---------------|
| Frequency Range | UHF: 400-470 MHz; VHF: 136-174 MHz | |
| Channel Capacity | 64 | 128 |
| Zone Capacity | 4 | 8 |
| Channels Per Zone | 16 | |
| Channel Spacing | 12.5kHz/20kHz/25kHz | |
| Operating Voltage | 7.4V | |
| Battery | 1500mAh (Standard); 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 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 (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 | |

ACCESSORIES

STANDARD ACCESSORIES:



OPTIONAL ACCESSORIES:





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