

ENHANCED BUSINESS LICENCE-FREE TWO-WAY RADIO

BP515LF

COMPACT, LIGHT, ROBUST LICENCE FREE, PMR446



FEATURES TO KEEP YOU CONNECTED



DIGITAL AND ANALOGUE COMPATIBLE

Supports both digital and analogue modes, compatible with other PMR446 analogue and DMR Tier I radios. The BP515LF has extended range in class and features 256 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.



DESIGNED FOR EASE OF USE



CLEAR AND LOUD AUDIO

Light and compact with a built-in intelligent noise reduction algorithm that eliminates unwanted background noise, and supports three-level noise reduction adjustment which is ideal for noisy environments. With a 3W high-power loudspeaker loudness of up to 90dBA, the sound is clear and loud with good howling suppression ability.



VOICE NOTIFICATION

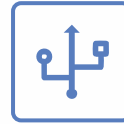
Voice notification confirms the operation of programmable buttons or changing the channel.



EXPAND COVERAGE

The BP515LF has a high sensitivity receiving module and high-efficiency monopole antenna to enhance signal penetration and achieve better calls even in weak signal areas. In addition, the monopole antenna has a unique stable design that will not break and bend easily. This helps to enhance the antenna life time and also helps to increase the radiation efficiency compared to traditional antennas by 11% to extend radio communication distance.





TYPE-C CHARGING

The Type-C charging interface can be used with a mobile power supply to instantly replenish energy, which means it will work anytime, anywhere.



HIGH ENERGY BATTERY

The BP515LF uses international well-known brand batteries and still retains 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 even in harsh work environments.



DELICATE APPEARANCE

The lightweight design makes it lighter and thinner than similar products and easy to carry and operate. The two-colour injection moulding makes it highly recognisable and able to suit the users' working needs.



TRUSTWORTHY QUALITY

Hytera has the world's largest professional communication production line, and manufactures each two-way radio 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		BP515LF
Frequency Range		446.0 - 446.2 MHz
Channel Capacity		256
Zone Capacity		4
Zone Channel		16
Channel Spacing		12.5kHz
Operating Voltage		7.4V
Battery		1500mAh (Standard); 2200mAh (Optional)
Battery Life (5/5/90 Duty Cycle, High TX Power)		Analog: 17h (1500mAh), 22h (2200mAh) Digital: 18h (1500mAh), 24h (2200mAh)
Frequency Stability		±0.5ppm
Antenna Impedance		50Ω
Dimensions (H x W x D)		115 x 55 x 29.5mm
Weight (with antenna&battery)		210g ± 5%
Receiver		
Sensitivity		Digital: 0.18μV / BER5% Analog 0.18μV (12dB SINAD)
Adjacent Channel Selectivity		TIA-603: 60dB@12.5kHz ETSI: 60dB@12.5kHz
Intermodulation		TIA-603: 70dB@12.5kHz ETSI: 65dB@12.5kHz
Spurious Response Rejection		TIA-603: 70dB@12.5kHz ETSI: 70dB@12.5kHz
Blocking		TIA-603: 80dB ETSI: 84dB
Hum and Noise		40dB@12.5kHz
Rated Audio Power Output		1W
Rated Audio Distortion		≤3%
Audio Response		+1to -3dB
Conducted Spurious Emission		<-57dBm
Transmitter		
RF Power Output		0.5W
FM Modulation		11K0F3E@12.5kHz
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.kHz
FM Hum and Noise		40dB@12.5kHz
Adjacent Channel Power		60dB@12.5kHz
Audio Response		+1 to -3dB
Audio Distortion		≤3%
Digital Vocoder Type		AMBE+2™
Environmental		
Operating Temperature		-30°C* to +60°C
Storage Temperature		-40°C to +85°C
ESD		IEC 61000-4-2 (Level 4) ±8kV (contact); ±15kV (air)
Dust and Water Intrusion		IEC 60529-IP54
Humidity		MIL-STD-810 G
Shock and Vibration		MIL-STD-810 G

*Radio only - Battery -20°C

ACCESSORIES

STANDARD ACCESSORIES:



Belt Clip



Battery



MUC Rapid-rate
Charger



Power Adapter



Strap

OPTIONAL ACCESSORIES:



Adapter(USB)



Data cable
PC143



C-Earset



Programming cable
PC155



Battery
2200mAh



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