



CLPe SERIES TWO-WAY RADIO



FOCUSED. STYLISH. CONNECTED.

With rising pressure of online shopping and visitor reviews, customer experience is a top priority. Your team needs to connect instantly, respond quickly to address customer requests and provide premium service. From back-of-house to front-of-store, the CLPe Series is your stylish and essential team communication tool built to last all day, everyday.

The CLPe Series is small, lightweight and easy to use with simple one-button push-to-talk (PTT) operation for communication in an instant. Quickly check essential radio information at a glance with the smart status glow ring, and reduce missed messages with louder and clearer audio for precise communication between users. All this performance is protected by a rugged radio housing and long lasting battery.

The CLPe Series is ready to provide all day performance and is customisable to your work environment with licensed and unlicensed radio models and a range of radio accessories including different chargers, carry options and earpieces.





Actual size



GENERAL SPECIFICATIONS

	CLP446e	CLPe PLUS
Frequency Band	PMR446 ¹ 446.0-446.2 MHz	UHF 450-470 MHz
Range ³	Unit to Unit: With Repeater: 7,400 m ² (80k SqFt.) / 6 Floors -	9,200 m ² (100k SqFt.) / 10 Floors 23,200 m ² (250k SqFt.) / 20 Floors
Channel Capacity	16 ⁴	16 ⁴
Repeater Capability	No	Yes
Channel Bandwidth	12.5 kHz	12.5/20/25 kHz
PL Codes (Privacy Codes)	39 std + 6 custom	39 std + 6 custom
DPL Codes (Privacy Codes)	84 std + 84 inverted + 6 custom	84 std + 84 inverted + 6 custom
Average Battery Life @ 5/5/90 with Standard Li-Ion Battery BT90 1800 mAh ⁵	20 hours	18 hours
Radio Dimensions (H x W x D):	90.0 x 51.0 x 25.0 mm 3.55 x 2.00 x 0.98 inches	90.0 x 51.0 x 25.0 mm 3.55 x 2.00 x 0.98 inches
Weight: Radio w/Standard Li-Ion Battery BT90	95g	95g

TRANSMITTER

	CLP446e	CLPe PLUS
RF Output	High: 0.5 Watts Low: -	1 Watt 0.5 Watts
Frequency Stability	< 2.5 ppm	< 2.5 ppm
Spurs & Harmonics	< - 45 dBc	< - 45 dBc
FM Hum & Noise	@ 12.5 kHz without companding: - 40 dB @ 20/25 kHz: -	- 40 dB - 45 dB
Modulation Limiting	@ 12.5 kHz: ± 2.5 kHz @ 20 kHz: - @ 25 kHz: -	± 2.5 kHz ± 4.0kHz ± 5.0 kHz
Adjacent Channel Power	@12.5 kHz: 60 dBc @20/25 kHz: -	60 dBc 70 dBc
Radiated Spurious Emissions (<1 GHz)	< - 36 dBm	< - 36 dBm
Radiated Spurious Emissions (>1 GHz)	< - 30 dBm	< - 30 dBm
Audio Frequency Response (0.3 - 3.0 kHz)	+ 1 to - 3 dB	+ 1 to - 3 dB
Audio Distortion	< 2%	< 2%

RECEIVER

	CLP446e	CLPe PLUS
Sensitivity (12 dB SINAD)	- 122 dBm (0.18 uV)	- 122 dBm (0.18 uV)
Adjacent Channel Selectivity	@ 12.5 kHz: 60 dB @20/25 kHz: -	60 dB 65 dB
Intermodulation Rejection	60 dB	60 dB
Spurious Response Rejection (Blocking 1Mhz)	80 dB	80 dB
Audio Distortion	< 5%	< 5%
CSQ Hum & Noise @ 12.5kHz	- 50 dB	- 50 dB
PL Hum & Noise @ 12.5kHz	- 50 dB	- 50 dB
Radiated Spurious Emissions (< 1GHz)	< - 54 dBm	< - 54 dBm
Radiated Spurious Emissions (> 1GHz)	< - 52 dBm	< - 52 dBm
Audio Output @ <5% Distortion	10 mW @ 16 ohms	10 mW @ 16 ohms

ENVIRONMENTAL SPECS

Operating Temperature	- 30°C to + 60°C ⁶ (Radio)
Shock & Vibration	Polycarbonate Housing Passes EIA 603
Humidity	Satisfied EIA 603
Dust & Water Intrusion	IP54