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 enviornment with licensed and unlicensed radio models and a range of radio accessories including different chargers, carry options and earpieces.

FEATURES TO KEEP YOU CONNECTED

STYLISH, COMPACT AND DURABLE DESIGN

A sleek design, small enough to fit in the palm of your hand. IP54 and Military Standard 810H rated to survive dust, water, vibration, shock and temperature extremes.

OVERSIZED PTT BUTTON

Centrally located for easy use without the need to look at the radio.

SMART STATUS GLOW RING

The glow ring around the PTT button indicates active channel, radio transmit & receive, scan, volume level and battery level, making radio status checks easy and intuitive.

UP TO 20 HOUR BATTERY LIFE

Power through a full shift with up to 20 hours of battery life from a full charge.

AUDIO, CARRY, AND CHARGING ACCESSORIES

Compliment your workstyle with a variety of accessories exclusively designed for the CLPe Series.

ESCALATE CALL

Initiate an important call or alert users on another channel to immediately communicate a message in high-risk situations, keeping your teams and assets safer when an incident occurs.

VOICE GUIDED NAVIGATION

Help your staff to easily learn the system with voice guided menus. The CLPe allows you to use pre-defined voice prompts for your channels or add custom voice prompts to help your staff identify the channel they should be using.

16 CHANNELS & 219 PRIVACY CODES[1]

Multiple channels give you the flexibility to keep different teams on separate channels and keep your staff focused on their roles. Privacy codes can be added to protect communications from neighbouring groups.

KEY FEATURES

- VOX hands free
- 6 call tones
- Mute
- 15 volume levels
- Scan/monitor
- Antimicrobial coating[2]
- Customer programming software (CPS)

Actual size

GENERAL SPECIFICATIONS

	CLP446e
Frequency Band	PMR446[1] 446.0-446.2 MHz
Range[3] - **Unit to Unit**	7,400 m² (80k SqFt.) / 6 Floors -
Channel Capacity	16[4]
Repeater Capability	No
Channel Bandwidth	12.5 kHz
PL Codes (Privacy Codes)	39 std + 6 custom
DPL Codes (Privacy Codes)	84 std + 84 inverted + 6 custom
Average Battery Life @ 5/5/90 with Standard Li-Ion Battery BT90 1800 mAh[5]	20 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
Weight: Radio w/Standard Li-Ion Battery BT90	95g

TRANSMITTER

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

RECEIVER

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

MILITARY STANDARDS

	MIL-STD 810 C	MIL-STD 810 D	MIL-STD 810 E	MIL-STD 810 F	MIL-STD 810 G	MIL-STD 810 H
Low Pressure	500.1 / Procedure I	500.2 / Procedure II	500.3 / Procedure II	500.4 / Procedure II	500.6 / Procedure II	500.6/ Procedure II
High Temperature	501.1 / Procedure I, II	501.2 / Procedure I/ A1, II/A1	501.3 / Procedure I/ A1, II/A1	501.4 / Procedure I/ HOT, II/HOT	501.6 / Procedure I/ A1, II/A1	501.7/ Procedure I/ A1, II/A1
Low Temperature	502.1 / Procedure I	502.2 / Procedure I/ C3, II/C1	502.3 / Procedure I/ C3, II/C1	502.4 / Procedure I/ C3, II/C1	502.6 / Procedure I/ C3, II/C1	502.7 / Procedure I/ C3, II/C1
Temperature Shock	503.1 / Procedure I	503.2 / Procedure I/A1C3	503.3 / Procedure I/A1C3	503.4 / Procedure I	503.6 / Procedure I/C	503.7 / Procedure I/C
Solar Radiation	505.1 / Procedure II	505.2 / Procedure I	505.3 / Procedure I	505.4 / Procedure I	505.6 / Procedure I/A1	505.7 / Procedure I/A1
Vibration	514.2 / Procedure VIII/F,XI	514.3 / Procedure I/10, II/3	514.4 / Procedure I/10, II/3	514.5 / Procedure I/24, II/5	514.7 / Procedure I/24, II/5	514.8 / Procedure I/24, II/5
Shock	516.2 / Procedure II	516.3 / Procedure IV	516.4 / Procedure IV	516.5 / Procedure IV	516.7 / Procedure IV	516.8 / Procedure IV

[1]Restricted to 8 channels in Russia by law. Please refer to user guide. Only 446.0–446.1 MHz analogue frequencies are available by default. 446.1–446.2 MHz analogue frequencies should only be used in countries where these frequencies are allowed by government authorities.
[2]The antimicrobial properties do not protect users or others against bacteria, viruses, germs, or other disease organisms. Always clean this product thoroughly before and after each use. Does not apply to accessories.
[3]Range achieved will vary dependant on terrain and local conditions.
[4]8 channels are available by default, expandable to 16.
[5]Average battery life at 5/5/90 duty cycle, transmitter in high power. Actual battery runtime observed may vary.
[6]Radio only, battery operating temperature -10°C to +60°C.

For more information, please visit motorolasolutions.com/CLPe

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