

CLP 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 CLP Series is your stylish and essential team communication tool - built to last all day, everyday in retail and hospitality.

The CLP 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 CLP Series is ready to provide all day performance and is customizable to your work environment with a range of radio accessories - including different chargers, carry options, and earpieces.

MOTOROLA SOLUTIONS



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.

LARGE 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 18 HOUR BATTERY LIFE

Power through a full shift with up to 18 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 CLP 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 CLP 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.

KEY FEATURES

- VOX hands free
- 6 call tones
- Mute
- 15 volume levels
- Scan/monitor
- Antimicrobial housing[1]
- Customer programming software (CPS)



Actual size



GENERAL SPECIFICATIONS

	CLP1010e / CLP1013e	CLP1080e / CLP1083e
Frequency Band	UHF 450-470 MHz	UHF 450-470 MHz
Range[2] Unit to Unit: With Repeater:	100k SqFt. / 10 Floors 250k SqFt. / 20 Floors	100k SqFt. / 10 Floors 250k SqFt. / 20 Floors
Channel Capacity	1	8
Repeater Capability	Yes	Yes
Channel Bandwidth	12.5 kHz	12.5 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 w/ Standard Li-Ion Battery BT90 1800 mAh[3]	18 hours	18 hours
Radio Dimensions (H x W x D):	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 90.0 x 51.0 x 25.0 mm
Weight: Radio w/Standard Li-Ion Battery BT90	3.35 oz (95g)	3.35 oz (95g)

TRANSMITTER

		CLP1010e / CLP1013e	CLP1080e / CLP1083e
RF Output	High: Low:	1 Watt 0.5 Watts	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	- 40 dB
Modulation Limiting:	@ 12.5 kHz:	± 2.5 kHz	± 2.5 kHz
Adjacent Channel Power		60 dBc	60 dBc
Radiated Spurious Emissions (<1 GHz)		< - 20 dBm	< - 20 dBm
Radiated Spurious Emissions (>1 GHz)		< - 13 dBm	< - 13 dBm
Audio Frequency Response (0.3 - 3.0 kHz)		+ 1 to - 3 dB	+ 1 to - 3 dB
Audio Distortion		< 2%	< 2%

RECEIVER

		CLP1010e / CLP1013e	CLP1080e / CLP1083e
Sensitivity (12 dB SINAD)		- 122 dBm (0.18 uV)	- 122 dBm (0.18 uV)
Adjacent Channel Selectivity	@ 12.5 kHz:	60 dB	60 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[4] (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]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.
[2]Range achieved will vary dependant on terrain and local conditions.
[3]Average battery life at 5/5/90 duty cycle, transmitter in high power. Actual battery runtime observed may vary.
[4]Radio only, battery operating temperature -10°C to +60°C.

Specifications are subject to change without notice. All specifications shown are typical. Radio meets applicable regulatory requirements. Radio frequencies subject to availability.

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