



# 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.





# 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<sup>1</sup>
- Customer programming software (CPS)



Actual size



## GENERAL SPECIFICATIONS

|                                                                                        | CLP1010e / CLP1013e                                                                         | CLP1080e / CLP1083e                                |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------|
| Frequency Band                                                                         | UHF<br>450-470 MHz                                                                          | UHF<br>450-470 MHz                                 |
| Range <sup>2</sup>                                                                     | <b>Unit to Unit:</b> 100k SqFt. / 10 Floors<br><b>With Repeater:</b> 250k SqFt. / 20 Floors | 100k SqFt. / 10 Floors<br>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<br>+ 6 custom                                                          | 84 std + 84 inverted<br>+ 6 custom                 |
| Average Battery Life @ 5/5/90 w/<br>Standard Li-Ion Battery BT90 1800 mAh <sup>3</sup> | 18 hours                                                                                    | 18 hours                                           |
| Radio Dimensions (H x W x D):                                                          | 3.55 x 2.00 x 0.98 inches<br>90.0 x 51.0 x 25.0 mm                                          | 3.55 x 2.00 x 0.98 inches<br>90.0 x 51.0 x 25.0 mm |
| Weight: Radio w/Standard Li-Ion<br>Battery BT90                                        | 3.35 oz (95g)                                                                               | 3.35 oz (95g)                                      |

## TRANSMITTER

|                                          | CLP1010e / CLP1013e                           | CLP1080e / CLP1083e |
|------------------------------------------|-----------------------------------------------|---------------------|
| RF Output                                | <b>High:</b> 1 Watt<br><b>Low:</b> 0.5 Watts  | 1 Watt<br>0.5 Watts |
| Frequency Stability                      | < 2.5 ppm                                     | < 2.5 ppm           |
| Spurs & Harmonics                        | < - 45 dBc                                    | < - 45 dBc          |
| FM Hum & Noise                           | <b>@ 12.5 kHz without companding:</b> - 40 dB | - 40 dB             |
| Modulation Limiting:                     | <b>@ 12.5 kHz:</b> ± 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                | <b>@ 12.5 kHz:</b> 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 <sup>4</sup> (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                     |
|--------------------------|-----------------------------|-----------------------------------|-----------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| <b>Low Pressure</b>      | 500.1 / Procedure I         | 500.2 / Procedure II              | 500.3 / Procedure II              | 500.4 / Procedure II               | 500.6 / Procedure II              | 500.6 / Procedure II              |
| <b>High Temperature</b>  | 501.1 / Procedure I, II     | 501.2 / Procedure I/<br>A1, II/A1 | 501.3 / Procedure I/<br>A1, II/A1 | 501.4 / Procedure I/HOT,<br>II/HOT | 501.6 / Procedure I/<br>A1, II/A1 | 501.7 / Procedure I/A1, II/A1     |
| <b>Low Temperature</b>   | 502.1 / Procedure I         | 502.2 / Procedure I/<br>C3, II/C1 | 502.3 / Procedure I/<br>C3, II/C1 | 502.4 / Procedure I/<br>C3, II/C1  | 502.6 / Procedure I/<br>C3, II/C1 | 502.7 / Procedure I/<br>C3, II/C1 |
| <b>Temperature Shock</b> | 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             |
| <b>Solar Radiation</b>   | 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            |
| <b>Vibration</b>         | 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      |
| <b>Shock</b>             | 516.2 / Procedure II        | 516.3 / Procedure IV              | 516.4 / Procedure IV              | 516.5 / Procedure IV               | 516.7 / Procedure IV              | 516.8 / Procedure IV              |

<sup>1</sup>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.

<sup>2</sup>Range achieved will vary dependant on terrain and local conditions.

<sup>3</sup>Average battery life at 5/5/90 duty cycle, transmitter in high power. Actual battery runtime observed may vary.

<sup>4</sup>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.

For more information, please visit [motorolasolutions.com/CLP](https://motorolasolutions.com/CLP)



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