

# CLP446 UNLICENSED TWO-WAY RADIOS AND ACCESSORIES

## STAY STYLISHLY CONNECTED

Checking in guests or checking store inventory, you want discreet but durable devices to keep your people continuously and comfortably connected. The Motorola Solutions CLP446 Unlicensed Two-Way Radio delivers all that and more – with its small size, lightweight design, easy push-to-talk button, crystal-clear audio and comfortable earpieces. Now your teams can connect instantly and respond quickly to address customer requests and enhance customer service.

### KEY BENEFITS

#### SIMPLE AND SLEEK

From the kitchen to the stockroom, our CLP446 compact radio combines exceptional performance with stylish portability. It's small, light and simple to use, with an oversized push-to-talk button that is easy to access. And with an embedded antenna, there is nothing external to add bulk or get in the way. Plus a Smart Status Glow ring that changes colour to indicate channel, transmit, receive, scan and battery status.

#### STRONG, CLEAR AUDIO

The CLP446 two-way radio makes communicating a breeze in noisy environments – whether your teams are connecting in a busy restaurant, hotel or retail store and with a variety of comfortable, unobtrusive earpieces, you can be sure conversations are private and discreet. For the ultimate in discretion, a Bluetooth® model is available that can connect to an earpiece without wires.

#### DAY-IN, DAY-OUT DURABLE

With an innovative and durable design created specifically for retail, hospitality and restaurant environments, CLP446 can stand up to your busiest days and heaviest uses. Its tough polycarbonate housings contain built-in anti-microbial\* properties that inhibit the growth of bacteria and mould on the radio surfaces. CLP446 uses a Li-Ion battery that can provide up to 14 hours of talk time, making it the ideal communication tool for long shifts.

#### PERSONALISE AND CUSTOMISE

CLP446 offers plenty of versatility for your staff and your business. Wear the radio on a magnetic clip or belt to complement any wardrobe or uniform. Customise radio settings with Motorola Solutions Customer Programming Software (CPS) to match the CLP446 performance to your requirements.



## GENERAL SPECIFICATIONS

### CLP446

Frequency Band	PMR446
Range	7,400 m <sup>2</sup> (80,000 sq ft) / 6 floors **
Channels Capacity	8
Channel Bandwidth	12.5 kHz
PL Codes	39 std + 6 custom
DPL Codes	84 std + 84 inverted + 6 custom
Average Battery Life @ 5/5/90 w/Standard Li-Ion Battery BT60 1130 mAh	9 (wired) / 8 (Bluetooth)
Average Battery Life @ 5/5/90 w/High Capacity Li-Ion Battery BT90 1800 mAh	14 (wired) / 12 (Bluetooth)
Radio Dimensions (H x W x D): Radio with Standard Li-Ion Battery BT60	88 x 50 x 19 mm 3.5 x 2.0 x 0.75 inches
Radio Dimensions (H x W x D): Radio with High Capacity Li-Ion Battery BT90	88 x 50 x 24 mm 3.5 x 2.0 x 0.96 inches
Weight: Radio with Standard Li-Ion Battery BT60	68g (2.38 oz)
Weight: Radio with High Capacity Li-Ion Battery BT90	85g (3.0 oz)

## TRANSMITTER

RF Output	0.5 Watts
Frequency Stability	< 2.5 ppm
Spurs & Harmonics	< -45 dBc
FM Hum & Noise: @ 12.5kHz without companding	-40 dB
Modulation Limiting: @ 12.5kHz	± 2.5kHz
Adjacent Channel Power	60dBc
Radiated Spurious Emissions @ 12.5kHz	< -20dBm
Audio Frequency Response (0.3 - 3.0 kHz)	+1 to -3 dB
Audio Distortion	< 2%

## RECEIVER

Sensitivity (12 dB SINAD)	-122 dBm (0.18 uV)
Adjacent Channel Selectivity: @ 12.5kHz	60 dB
Intermodulation rejection	60dB
Spurious response Rejection (blocking 1Mhz)	80dB
Audio Distortion	< 5%
CSQ Hum & Noise @ 12.5kHz	-50dB
PL Hum & Noise @ 12.5kHz	-50dB
DPL Hum & Noise @ 12.5kHz	-45dB
Radiated Spurious Emissions (< 1GHz)	< -54 dBm
Radiated Spurious Emissions (> 1GHz)	< -52 dBm
Audio Output @ <5% Distortion	0.5W @ 8 ohms

## MILITARY STANDARDS

STANDARD	MIL STD 810 C	MIL STD 810 D	MIL STD 810 E	MIL STD 810 F	MIL STD 810 G
Low Pressure	500.1 / Procedure 1	500.2 / Procedure 2	500.3 / Procedure 2	500.4 / Procedure 1	500.5 / Procedure 1
High Temperature	501.1 / Procedure 1, 2	501.2 / Procedure 1, 2	501.3 / Procedure 1, 2	501.4 / Procedure 1, 2	501.5 / Procedure 1, 2
Low Temperature	502.1 / Procedure 1	502.2 / Procedure 1, 2	502.3 / Procedure 1, 2	502.4 / Procedure 1, 2	502.5 / Procedure 1, 2
Temperature Shock	503.1 / Procedure 1	503.2 / Procedure 1	503.3 / Procedure 1	503.4 / Procedure 1	503.5 / Procedure 1
Solar Radiation	505.1 / Procedure 1	505.2 / Procedure 1	505.3 / Procedure 1	505.4 / Procedure 1	505.5 / Procedure 1
Vibration	514.2 / Procedure 8, 10	514.3 / Procedure 1	514.4 / Procedure 1	514.5 / Procedure 1	514.6 / Procedure 1
Shock	516.2 / Procedure 1, 2, 5	516.3 / Procedure 1, 4	516.4 / Procedure 1, 4	516.5 / Procedure 1	516.6 / Procedure 1

## ENVIRONMENTAL SPECS

Operating Temperature	-30°C to +60°C (Radio)
Shock & Vibration	Polycarbonate Housing passes EIA 603
Dust & Humidity	Satisfied EIA 603

\*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.

\*\*Range achieved will vary dependant on terrain and local conditions.

## FEATURES

- Sleek compact design
- Operates on license-free and subscription-free PMR446 frequencies
- 0.5W power transmission
- 8 channels with customisable privacy codes
- Easy to access oversized, textured and centrally located PTT button
- Smart Status Glow ring indicates active channel, radio transmit & receive, scan and battery status
- Voice menu system
- Monitor/Scan modes
- Hands-free VOX
- Single pin lock-in accessory port
- Antimicrobial protection\*
- Up to 14 hours battery life
- Complete range of optional accessories
- Bluetooth® headset compatible model available

For more information on CLP446, visit: [www.motorolasolutions.com/clp446](http://www.motorolasolutions.com/clp446)

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Availability is subject to individual country law and regulations. All specifications shown are typical unless otherwise stated and are subject to change without notice.

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