



Radio Communications Supply &
Installation Specialist

Website

www.radiotronics.co.uk

Email

sales@radiotronics.co.uk

Telephone Numbers

0345 0 955 955

02087 190 180

Data Sheet



STAY STYLISHLY CONNECTED

MOTOROLA CLP TWO-WAY RADIO

Checking in guests or checking on store inventory, you want discreet but durable devices to keep your people continuously and comfortably connected.

The Motorola CLP PMR446 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.

SIMPLE AND SLEEK

From the kitchen to the stockroom, our CLP 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 light that changes colour to indicate channel, transmit, receive, scan and battery status.

STRONG, CLEAR AUDIO

The Motorola CLP 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.

DAY-IN, DAY-OUT DURABLE

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

PERSONALISE AND CUSTOMISE

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

GENERAL FEATURES:

- Range covers up to 6 floors, or 7,400 m² (80,000 square feet) **.
- 8 Channels with customisable PL codes (via CPS)
- Oversized, textured and centrally located PTT for easy access
- Smart Status Glow – indicates active channel, radio transmit & receive, scan and battery status
- Voice menu system
- Sleek compact design
- Antimicrobial protection*
- Single pin lock-in accessory port
- Monitor/Scan modes
- VOX
- Up to 14 Hours battery life
- 500mW power transmission
- Supplied with rechargeable Li-Ion battery, charger (UK and Euro Adapters), Earpiece and documentation.
- Complete range of optional accessories

PRODUCT SPEC SHEET

MOTOROLA CLP PMR446 UNLICENSED TWO-WAY RADIO

MOTOROLA CLP TWO-WAY RADIO SPECIFICATIONS

CLP446

GENERAL SPECIFICATIONS

Frequency Band	PMR446
Range	7,400 m ² (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
w/High Capacity Li-Ion Battery BT90 1800 mAh	14
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 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	67.5g (2.38 oz)
Radio with High Capacity Li-Ion Battery BT90	85.3g (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
Modulation Limiting:	@ 12.5kHz
Adjacent Channel Power	60dBc
Radiated Spurious Emissions	< - 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
Intermodulation rejection	60 dB
Spurious Response Rejection (blocking 1Mhz)	60dB
Audio Distortion	80dB
CSQ Hum & Noise @ 12.5kHz	< 5%
PL Hum & Noise @ 12.5kHz	- 50dB
DPL Hum & Noise @ 12.5kHz	- 50dB
Radiated Spurious Emissions (< 1GHz)	- 45dB
Radiated Spurious Emissions (> 1GHz)	< - 54 dBm
Audio Output @ <5% Distortion	< - 52 dBm
	0.5W @ 8 ohms

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

ENVIRONMENTAL SPECS

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

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

*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.

For more information on how the Motorola CLP Two-Way Radio can enhance your business please visit us on the web at: www.motorolasolutions.com/emea/clp or find your closest Motorola representative or authorised Partner at: www.motorola.com/Business/XU-EN/Contact_Us

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Motorola Solutions Ltd. Jays Close, Viables Industrial Estate, Basingstoke, Hampshire, RG22 4PD, UK

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