



Radio Communications Supply &
Installation Specialist

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Data Sheet

PRODUCT SPEC SHEET

MOTOROLA CLP PMR446 UNLICENSED TWO-WAY RADIO



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), Ear-piece and documentation.
- Complete range of optional accessories

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	- 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%	
RECEIVIER		
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	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE	METHOD	PROCEDURE
		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
High Temperature	501.1	1, 2	501.2	1, 2	501.3	1, 2	501.4	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
Temperature Shock	503.1	1	503.2	1	503.3	1	503.4	1	503.5	1
Solar Radiation	505.1	1	505.2	1	505.3	1	505.4	1	505.5	1
Vibration	514.2	8, 10	514.3	1	514.4	1	514.5	1	514.6	1
Shock	516.2	1, 2, 5	516.3	1, 4	516.4	1, 4	516.5	1	514.6	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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