

CDR500/CDR700 Repeaters

Professional

SPECIFICATION SHEET

BENEFITS

The CDR500 and CDR700 repeaters offer the increased functionality, power and range necessary to enhance the capabilities of the PRO Series mobile radios. Having clear communication over an extended range translates into superior customer service, giving you the advantage of reaching your people in more places, with more information and better solutions for your customers.

CDR500 Wall Mount Repeater

The CDR500 repeater is easy to install and offers a compact design that allows more flexibility when choosing a location. Its remarkable flexibility lets you choose the specific frequency and power levels you need.

CDR700 Desktop Repeater

The CDR700 repeater can be used as a base station or as a remote repeater. The quiet performance and the attractive design gives you the option of installing the CDR700 model on your desktop or any other accessible area.

Range Extension

In addition to the standard repeater operation, which extends the range of your radio fleet, other modes of operation allow an UHF frequency radio to talk to a VHF frequency radio within your fleet. It also lets you monitor transmissions on frequencies in another band and allows you to link separate coverage areas.



FEATURES

- Lockable Wall Mount
- Field Programmable
- Supports UHF, VHF, and Lowband Frequencies
- Internal Mounting for Duplexer and Preselector
- Crossband Capable

Alternatives to Standard Configuration:

- ZR310 Multiple Tone Panel
- i20R On-site Repeater
- ZR340 Interconnect with Selective Calling
- Enhanced SmarTrunk II™ Repeater
- Zetron™ Model 42



Every day your business grows and adapts to meet new challenges. You demand more speed, flexibility, and more range from your communication tools. To provide the extended coverage your business requires, Motorola engineered the CDR500 and CDR700 repeaters.

CDR500/CDR700 REPEATERS

Capability Expansion*

Your CDR repeater's capabilities can be expanded through the addition of special options:

Community Repeater Capability—

lets multiple groups share the same radio channel.

Telephone Interconnect—

lets radio users access a local landline telephone network, further expanding your communications reach.

SmarTrunk II™ Trunking—

provides faster access to channels, security, privacy, and telephone access.

Standard CDR500 Repeater

Includes:

- Metal Housing with Temperature Controlled Fan Assembly
- Mounting Bracket
- Interconnection Cables
- Service Manual
- Power Supply with Switchable Primary Voltage

Standard CDR700 Repeater

Includes:

- Metal Enclosure with Fan Assembly
- Interconnection Cables
- Service Manual

R.I.C.K. Module Features (Repeater Interface Communications Kit)

- Programmable Dip Switch
- Hang Time 0, 1.5 or 3 seconds
- Audio Path Capability
- Bi-Directional or Uni-Directional Operation
- Front Panel "Repeater Enable Control"
- Variable Level Repeat Audio Path
- Compatible with RapidCall Signaling

Complete Package Requires the Addition of:

- 2 PRO Series Mobile Radios
- Duplexer

SPECIFICATIONS	CDR500	CDR700
Dimensions	Height x Width x Depth	
	7.4 in x 17.4 in x 13.5 in / 18.8 cm x 44.2 cm x 34 cm	12.2 in x 8.3 in x 12.5 in / 31 cm x 21.1 cm x 31.7 cm
Weight	42.7 lb. / 19.4 kg	28 lb. / 12.7 kg
Duty Cycle to Duplexer		
Low Power Mode	100% (40 W LB / 25 W UHF, VHF)	
High Power Mode	50% (60 W LB / 40 W UHF / 45 W VHF)	
Model Number	HKLN4060, HK1008	HKLN4056, HK1009
Primary Input (Selectable)	115 / 230 50-60 Hz	

Specifications subject to change without notice. All electrical specifications and methods refer to EIA/TIA 603 standards. For additional radio specifications reference Professional Series Specification Sheet.

*Note: Some features may require additional options or equipment.

Contact your Motorola Representative for more information.



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