

Motorola CDR500 and CDR700 Repeaters

**The smart way
to extend your two-way...**

The Motorola CDR500 and CDR700 repeaters deliver valuable benefits, including:

- *Remarkable flexibility that allows you to choose the frequency and power levels best for your business – or combine two frequencies to create a bidirectional or crossband repeater.*
- *The Motorola CDR500 offers a variety of mounting options to suit your location and usage needs. It can be installed in a 19 inch rack or mounted on the wall with a handy, lockable wall mount.*
- *The Motorola CDR500 desktop model offers sleek, compact design that compliments any office décor – and allows quick and easy access for system adjustments.*
- *Reliable, cost-effective 15A continuous duty power supply that allows selection of either thermal-controlled or continuous operation of the fan for quiet performance and enhanced efficiency on the Motorola CDR700 model.*



Repeaters let you widen the reach of your radios as you broaden your customer base...

Take your communication to the next level.

Quality You Can Count On

Smart professionals in every business know that reliable communication is essential to success. Whether in the office or on the road, you need fast, dependable access to the right people and information so you can get the job done. And that's exactly what two-way radio delivers. Efficient two-way radio lets you talk with one, ten, or one hundred people at the touch of a button – without costly airtime charges. Two-way radio provides the individual and team contact you need to help maximize productivity and meet customers' demands – the first time and every time.

Taking Communication the Extra Mile

As a business grows and changes, the communication requirements expand as well – requiring quicker, more flexible communication tools. Motorola CDR500 and CDR700 repeaters provide the perfect solution. By making it easy to extend a two-way system to accommodate longer distances, these repeaters widen the reach of radios as you broaden the customer base.

Versatility and Power

Both the Motorola CDR500 and CDR700 repeaters offer extensive functionality and power to help you increase the calling range and capabilities of your mobile or portable radios – so you can enhance on-the-job efficiency. By receiving and resending radio transmissions these powerful repeaters help you extend your communication range and maintain clear sound quality. Available in lowband, UHF, and VHF frequencies, the Motorola CDR500 and CDR700 repeaters suit a wide variety of applications and can be easily integrated with your existing infrastructure.



The Flexibility of Accessories...

Controllers

Controllers offer you a range of options to accommodate your market and application requirements. A unidirectional configuration provides added range for radios on widespread worksites. A bidirectional configuration can temporarily join two separate groups during critical situations. Unidirectional crossband provides the capability to monitor frequencies such as weather or road condition channels, and bidirectional crossband can temporarily join two groups that normally operate on different frequency bands.

Duplexers

Duplexers let you use just one antenna for both transmitting and receiving signals. The use of a duplexer is more cost effective than two antennas and feed lines, and can better equalize the transmit and receive ranges to improve radio communications.

Mounting Accessories

Mounting accessories are available for the Motorola CDR500 such as a mounting plate which allows the repeater to be installed in a 19 inch rack. For wall-mounting, an optional mounting plate is also available.

Battery Revert Module

Battery Revert Module is available for the Motorola CDR700 (standard in the Motorola CDR500).

Antennas

Antennas are available to offer you flexibility in size and calling range.

Radio Accessories

Radio accessories, including a compact desktop microphone, are available for dispatch applications. External speakers are available for use in noisy environments.



Construction Sites



Airline Industry



Public Safety



Manufacturing

Motorola CDR500 and CDR700 Repeaters

Specifications

	FREQUENCY RANGE
CDR500	Radio Dependent
CDR700	Radio Dependent
	DIMENSIONS (H X W X D)
CDR500	7.5" x 17.5" x 13.5" (191 mm x 445 mm x 343 mm)
CDR700	12.2" x 8.3" x 12.5" (310 mm x 211 mm x 318 mm)
	WEIGHT
CDR500	47 lbs. (21.3 kg)
CDR700	28.3 lbs. (12.8 kg)
	DUTY CYCLE
	Continuous Low Power 25W (to duplexer)
	Intermittent High Power 40/45W (to duplexer)
	POWER SUPPLY
Primary	115/230 50-60 Hz
Input Voltage	Standard U.S. Three Prong Plug



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MD-CDR500_700-01A