



Multi-Channel Products for Motorola CDM1550 (LS) +



MCR211A The MCR211A is a telephone style remote control unit designed for use with Motorola's CDM1550, CDM1550(LS), or CDM1550(LS+) radios. The remote has a LCD display for group and channel identification and a 9 character alpha channel alias. The remote provides group and channel up and down buttons, PTT indicator, on-hook PTT capability, monitor button and indicator, intercom button, scan button and indicator, privacy feature, and speaker volume control. The MCR211A allows incoming calls to be received through the speaker in the remotes and transferred to the the earpiece when the handset is removed

from the cradle. Transmissions made from a remote are heard on all parallel remotes. The MCR211A allows intercom capability between parallel remotes. The channel display and indicators on all remotes mirror that of all other MCR211A remotes on the system. When connected to the MCR/MCP system, the radio becomes dedicated to the operation of the remote system. There is no software or cables required to program the MCR211A units. The system will operate on any two or 4 wire voice grade circuit.

MCR211A-DM The MCR211A-DM is the console style equivalent of the MCR211A. It provides the same radio control and features while providing the standard CPI style desk microphone.



MCP200C The MCP200C termination panel provides the interface between the MCR211A remotes and the Motorola CDM series radio. Connection of the MCP200C to the CDM requires that the installer tack two small wires on the the front panel display of the CDM for button operation. The main connection is done through a CPI provided plug board that replaces the 20 pin accessory connector on the rear of the radio which provides a RJ45 connector for the main interface cable. The system can use any two-wire or four-wire voice grade circuit. Four-wire operation is an available option. The radio must be programmed per CPI specifications for the radio to operate properly with the remote system.

MCR/TSR Series Specifications

Power Requirements	120 VAC, 60Hz for wall pack operation
Indicators	2 watts minimum (in compression) into 8 ohms with less than 3% distortion using supplied power pack
Controls	Less than 3 dB increase in output with 30 dB increase beyond threshold of compression.
Line Input level	-20dBm tp +10 dBm
Line output level	-20dBm tp +10 dBm
Line impedance	200K ohms on-hook/idle 600 ohms off-hook/idle
Receive compression	Less than 3dBm change in output for 30 dBm change in input above thresh-hold
Speaker output	2 watts (speaker mutes when off-hook)
Max number of remotes	50
Dimensions/ Weight	9" x 4" x 7" / 4lbs.
Connections	4 pin modular for handset. RJ11 for desk microphone and phone pair

Power Requirements	13.6 Vdc limited to 100 mA. Power taken from radio connections.
TX Control	Adjusts audio level to the radio microphone input
RX Control	Adjusts audio level to phone line. Adjustable from -20 to +10 dBm
Setup	Used for test mode on power up
Line balance	Used to match the termination panel to the phone line
Phone line impedance	600 ohms
Connections to phone line	Two wire via modular phone jack. Four wire optional.
Connections to radio	Supplied cables plug into plug board on 1 pin accessory connector
Max number of remotes	50
Dimensions/ Weight	1.6" x 5.5" x 5.5" , 1.5 lbs.

Option

Description

-DE	12 key DTMF encoder
-UE1	12 key multi-format encoder
-WM	wall mount bracket
-BLK	unit is black in color

