

DC Remote Controls

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The DR series DC remote control units are designed to provide control of a remotely located base station over an in-house or leased metallic wire pair. The DR series units use a simple dip switch to select the desired control current and other features. Standard features include: receive and transmit audio compression, front panel transmit capability, line continuity sensor, parallel cross mute, line operated PTT indicator, and 2 watt audio output.

Standard configurations for the DR series are the **DR10**, **DR20**, **DR30**, and **DR40** units. The **DR10** unit is a telephone style remote with a soft touch PTT handset and off-hook monitor. The **DR20** is a console style remote with desk microphone and includes monitor and intercom as standard features.



The **DR30** is a console style with an internal electret microphone with monitor and intercom standard. The **DR40** is a console style remote with a goose-neck microphone with monitor and intercom standard. The DR series units can be factory configured to work in almost any DC remote application. New options available include a 2 line version that allows the user to monitor both selected and un-selected receive audio in two-wire

mode. In addition to the regular list of options under the specifications section, special encoder and decoder options and intercom only operation (no current remote) are available.



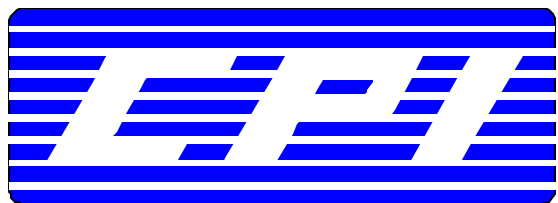
DR Series Specifications

Power Requirements	120 VAC, 60Hz for wall pack operation 220-230 VAC, 50 Hz (optional or customer supplied) 12V DC to 16V DC @ 600mA maximum
Audio output to speaker	2 watts minimum (in compression) into 8 ohms with less than 3% distortion using supplied power pack
Compression	Less than 3 dB increase in output with 30 dB increase beyond threshold of compression.
Line Input	Adjustable, -20 dBm minimum
Frequency Response	+/- 3 dBm from 300 to 3000 Hz. 1000 Hz reference.
Signal to noise	50 dB below operating levels
Line impedance	600 ohms / 5000 ohms - dip switch selectable
Line Output	Adjustable, +15 dBm maximum. Factory set at 0 dBm.
Control Currents	Dip switch selectable for all common currents used in DC remotes
Dimensions/ Weight	9" x 4" x 7" / 4lbs.
Connections	4 pin modular for handset. RJ11 for desk microphone and phone pair

Option

Description

-M	Push button monitor - CTCSS disable - standard on DR20, DR30, DR40
-I	Push button intercom - standard on DR20, DR30, DR40
-2F	2 frequency selection - control current is dip switch selectable
-FD	Full duplex operation - 4 wire operation is selectable
-DE	12 key DTMF encoder
-UE1	12 key multi-format encoder
-FS	Foot switch for PTT
-220V	220V AC wall pack transformer
-WM	Wall mount kit
-BLK	Unit color is black instead of ash
-L1/L2	Toggle switch to select between 1 of 2 base radios
-L1/L2/L3	Rotary switch to select between 1 of 3 base radios
-2 Line	2 line control with the ability to monitor both selected and unselected base radios - 2 wire operation only.



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