

CDR-I and CDR-IF SERIES REMOTE CONTROL PLATES



CDR-I

CDR-IF

General Description

The CDR-I Series is a range of remote control plates for use with the Cloud DCMI/e Digitally Controlled Mixer (see separate datasheet). In most DCMI/e installations, the DCMI/e host unit itself will normally be located in a rack with other equipment, and will not be readily accessible. When installed in one of the DCMI/e's zones, a CDR-I plate provides the user with more convenient and practical control of audio source and level within that zone. It is also possible to enable/disable any zone group(s) which have been defined for the

zone, and for the installer to make EQ adjustments from the zone itself through the use of a password-protected Engineer Mode. The remotes also have a setup mode, enabled by internal jumper, for zone assignment and initial system configuration.

CDR-I Series plates are fitted with the same 2 row x 16-character alphanumeric display as the DCMI/e, and five push-buttons for menu navigation.

Versions

Two colour versions of the CDR-I and three colour versions of the CDR-IF are available: two are suitable for surface mounting and three for flush (recessed) mounting. They are electrically identical and differ only in style and appearance. Versions available are:

- CDR-IB – surface mounting remote control plate, black finish
- CDR-IW – surface mounting remote control plate, white finish
- CDR-IFB – flush mounting remote control plate, black finish
- CDR-IFW – flush mounting remote control plate, white finish
- CDR-IFS – flush mounting remote control plate, silver finish

The CDR-I surface mounting versions are designed to fit a standard single-gang electrical back box. A universal mounting plate supplied with each unit permits the use of UK, US or Australian boxes.

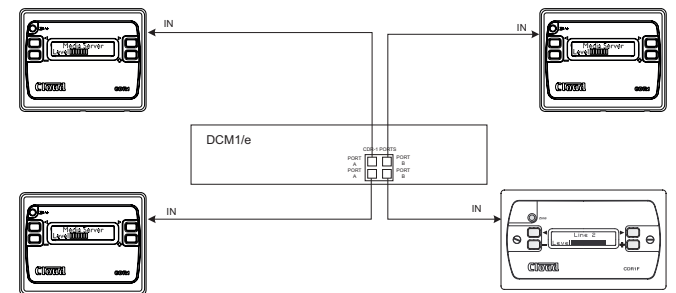
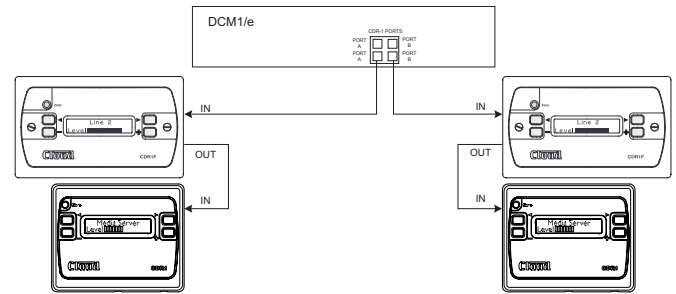
The CDR-IF versions are designed for flush mounting, and may either be mounted into a dual-gang back box, or mounted into a cavity wall without a back box. The flush mounting version is suitable for situations where minimal protrusion from the wall is desirable.

Connections

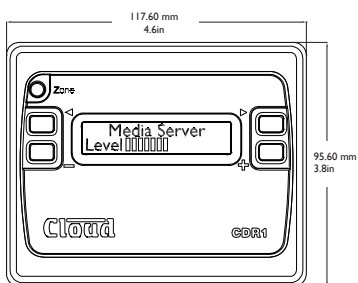
The DCM1/e has four dedicated ports for connection of remote control plates, and one DCM1/e can support up to 100 CDR-I remotes. The remotes may be interconnected using industry-standard CAT-5 UTP cable, and may be daisy-chained freely and/or connected individually back to the DCM1/e's ports using almost any wiring topology convenient for the installation. Any zone in the system may have one remote control plate, more than one, or none at all.

CDR-I Series plates may be powered from the DCM1/e host via the single CAT-5 connection if sufficient spare current capability is available*. A maximum of eight CDR-I Series plates may be powered by this method. If more plates are required, or if cable runs are particularly long, some or all of the remote plates in a system may be powered independently by a separate AC or DC power supply such as the Cloud CPM-PSU.

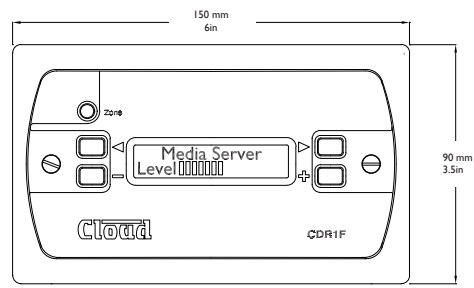
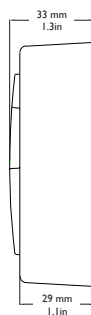
* The DCM1/e is capable of supporting other active accessories, such as remote input plates and paging microphones. If these accessories form part of the system, the current available from the DCM1/e's ports may be reduced. Full details are provided in the DCM1/e's documentation.



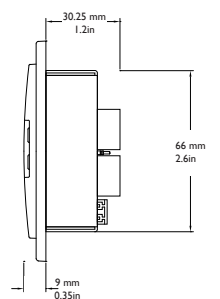
Dimensions



CDR-I



CDR-IF



Operating Modes

User Mode

This is the normal operating mode for a CDR-I remote control plate, and the only mode the user has immediate access to. The zone properties that can be controlled are:

- Source selection
- Level control
- Group enable/disable (providing the zone has been defined as a group member)
- Local zone EQ adjustment (requires enabling on the DCM1 and entry of a key code)

Installer Mode

Installer mode is intended for use at the time of initial installation, and is enabled by moving an internal jumper. It allows the installer to:

- adjust the display backlight and contrast
- set an “inactivity time”, after which the display backlight is turned off
- configure the CDR-I plate for correct operation in a specific zone
- set the password to access Engineer Mode

Engineer Mode

Engineer Mode is enabled by entering a sequence of button presses (the “password”); the factory password may be superseded by a user’s own password in Installer Mode (see above).

In addition to the functions of User Mode, Engineer Mode allows adjustment of the HF and LF EQ in the zone for which the CDR-I plate is configured.

Architect’s and Engineer’s Specification

An optional remote control panel shall be available for the Cloud DCM1/e Digitally Controlled Mixer. The panel shall be provided with IN and OUT RJ45 connectors to permit connection to the DCM-1/e host unit and other remote controls via standard Category 5 data cable. It shall be possible to interconnect up to 100 remote controls in series configuration.

The remote control unit will have a two-line LCD alphanumeric display with 16 characters per line, and four momentary push-buttons for menu navigation and option selection. There shall be a fifth momentary push-button for unit activation and other functions.

The remote control panel shall be configurable to control certain DCM1/e functions in any of the eight zones supported. Functions to be available for immediate access shall be Zone music level and music source. Following the entry of a password, it shall also be possible to adjust zone EQ (3 bands) and to select any Zone Groups which have been enabled at the host unit that include the Zone for which the remote control unit has been configured. It shall not be possible for Zone reconfiguration to be performed with or without password entry.

The remote control unit will also offer an Installer Mode, which can only be enabled by moving an internal PCB jumper. This mode will allow adjustment of the following additional functions: adjustment of backlight brightness and contrast; inactivity time, after the expiry of which the backlight will turn off; Zone assignment; password definition.

The remote control unit shall be available in both surface-mounting and flush-mounting versions, and in a choice of finishes. The surface-mounting version shall be supplied with a universal mounting plate to enable it to be fitted to standard UK, US or Australian style single-gang back boxes. It shall also be possible to mount this version directly onto the surface of a cavity wall. The flush-mounting version shall be suitable for mounting into a standard 47 mm deep UK-style dual gang back box and shall protrude after installation a maximum of 9 mm from the wall surface.

The remote control units shall be the Cloud CDR-I (surface-mounting version) and the Cloud CDR-IF (flush-mounting version).

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