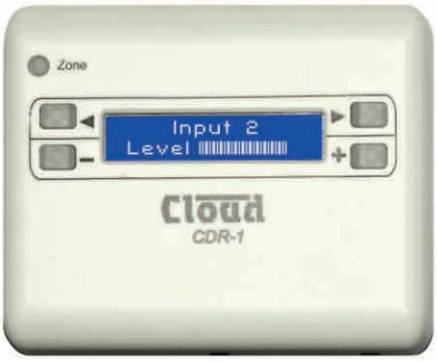
CDR1 & CDR1F: Digital Remote Controls (DCM1)

CDR1F - Flat mount wall control
silver

CDR1F - Flat mount wall control
black

CDR1F - Flat mount wall control
white



CDR1 - Wall control

General Description

The CDR-1 and CDR1F are the remote control panels for use with the Cloud DCM-1 Digitally Controlled Mixer (see separate datasheet). They are fitted with the same alphanumeric display as the DCM-1, menu navigation being by five push-buttons. When installed in one of the DCM-1's zones, it provides the user and installer with more convenient and practical control of system operation than from the DCM-1's front panel. A zone may have one CDR-1 (or CDR1F), more than one, or none at all. Functions include selection of audio source and control of audio level; additionally, any enabled zone groups of which the zone is a member may be activated locally.

The panels allow further local system adjustments and settings to be made through the use of a password protected Engineer Mode, and an Installer Mode, enabled by an internal jumper.

The DCM-1 can support up to 100 CDR-1/1Fs, interconnection being with CAT-5 cable. Units may be daisy-chained at will and/or connected individually back to the DCM-1's four CDR ports using almost any wiring topology convenient for the installation.

The CDR-1 is designed for surface mounting, and fits to 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 CDR1F is designed for flush mounting, and fits a dual-gang back box. The CDR1F is suitable for situations where minimal protrusion from the wall is desirable.

- Enables remote control of Cloud's DCM-1 Digitally Controlled Mixer
- Simple to install - connects to DCM-1 and other CDR-1/1Fs using standard CAT-5 cable
- Can be interconnected using a wide choice of wiring topologies
- Choice of two mounting styles to suit installation
- Backlit 2-row x 16-character dot matrix alpha-numeric display
- User-accessible functions:
  - Source selection
  - Level control
  - Group enable/disable
- Engineer Mode functions (password-protected):
  - Local zone EQ adjustment
- Installer Mode (enabled by internal jumper):
  - Zone assignment
  - Password setting
  - Display adjustment
  - Inactivity time (time for which display backlight remains lit after a button is pressed)

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Technical Specifications

Front Panel

Display	16x2 character Blue White LCD
Input	5 push buttons

Data Connection

Connectors	2x RJ45 socket
Protocol	CAN Bus
Maximum length	1km

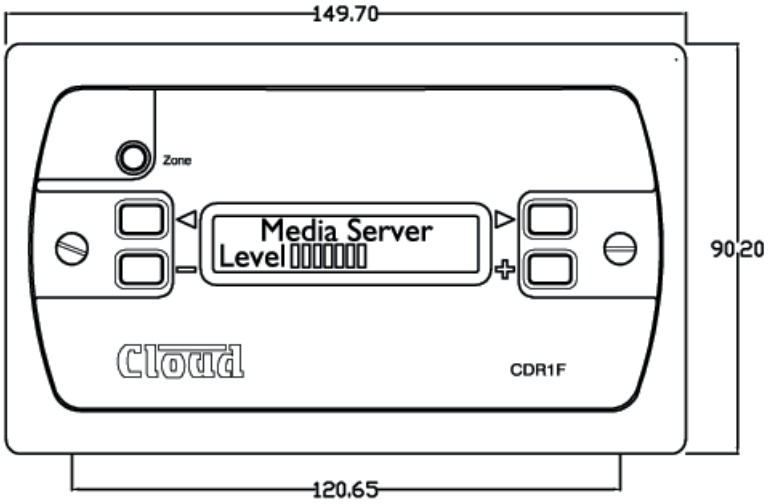
Power Connection

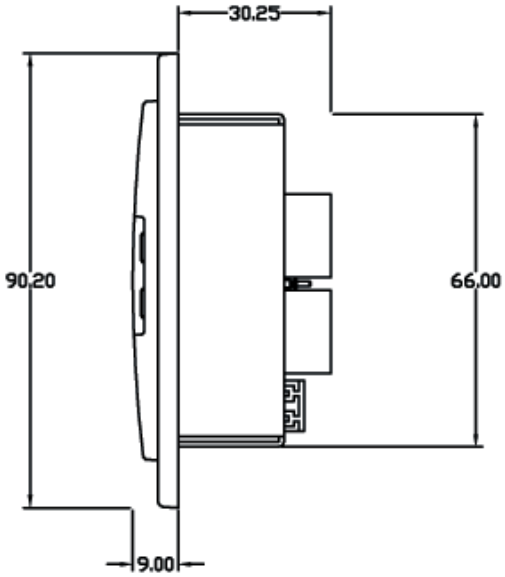
Connectors	1x RJ45 in (+ data) 1x RJ45 out (+ data) 1x 2-way 5mm screw terminal socket
Consumption	50mA at 12V typical
Accepted external supplies	12 – 24V DC 9 – 17V AC

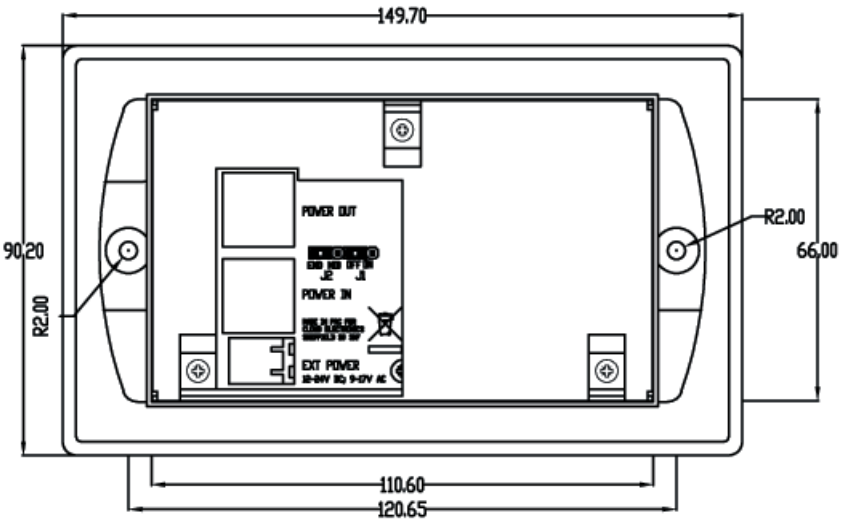
General Specifications

Dimensions	149.70 x 90.20 x 39.25mm
Backbox	Dual-gang UK, 47mm deep
Protrusion once mounted	9mm
Number of zones controlled	1 + assigned groups

Dimensional Drawings







Clearly better sound

Architect's and Engineer's Specification

An optional remote control panel shall be available for the Cloud DCM-1 Mixer/Zoner. The panel shall be provided with IN and OUT RJ45 connectors to permit connection to the DCM-1 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 DCM-1 functions in any of the 8 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 flush-mounting. The remote control unit 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 will be the Cloud CDR1F.