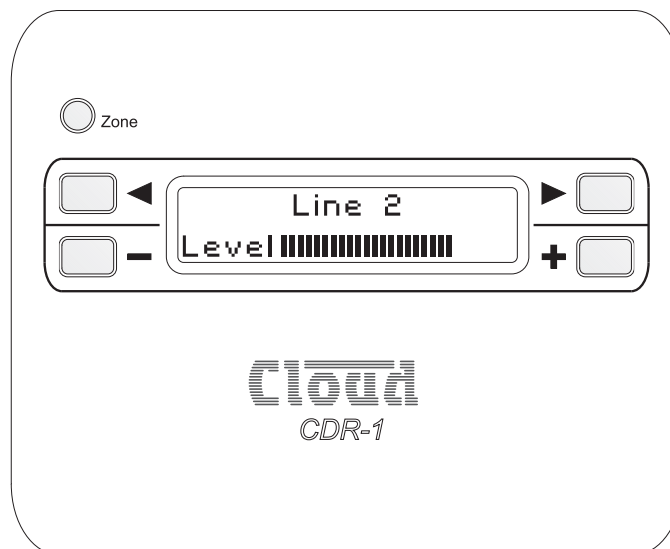


# CDR-1

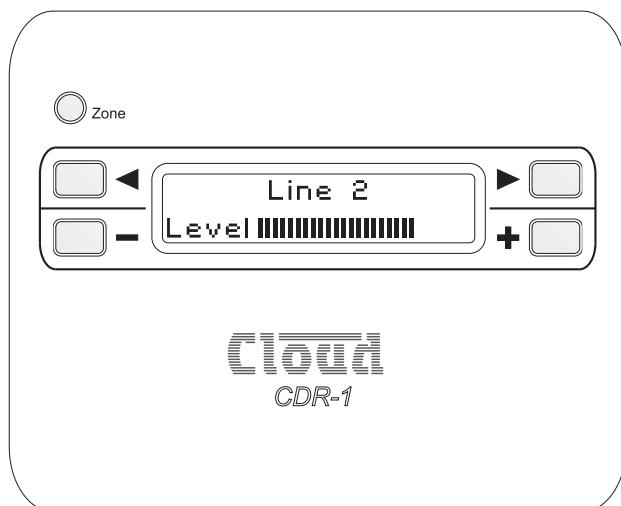
## Digital Remote Control



## Quick Install Guide

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## Introduction

The CDR-1 is a remote control unit for use with the DCM-1. CDR-1s may be fitted to standard electrical back boxes in whatever location is convenient in each zone. Any zone may have one CDR-1, more than one, or none at all. CDR-1s are interconnected with just one standard CAT-5 UTP 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 provides the user with local source selection and level control for the zone in which it is fitted. It additionally allows selection of any groups to which the zone has been assigned, which gives simple and complete control over audio in multiple areas that may be split or joined in different ways at different times.

## What's in the box

As well as this manual, the shipping carton should contain the items listed below. Please contact your Cloud dealer for immediately if any of them are missing.

- 1x Cloud CDR-1 Remote Control
- 1x CDR-1 Mounting plate
- 2x M3.5 Mounting screws
- 2x M3 countersunk fixing screws

## Installation

The CDR-1 is designed to attach to single gang UK, US and Australian back boxes. To fit to a US or Australian back box the box should be fitted such that the screw holes run left to right.

1. Remove the two countersunk M3 screws holding the mounting plate to the rear of the CDR-1. Keep these screws for later use.
2. Remove the mounting plate.
3. Pass RJ45 cables for the CDR-1 through the entry hole on the plate.
4. Fix the mounting plate to the back box using the M3.5 screws provided.
5. Connect the cables to the CDR-1 sockets required. Connections toward the mixer should be connected to the POWER IN socket; connections to CDR-1s further away should be connected to the POWER OUT socket.
6. Set jumpers J1 and J2. J1 should be OFF and J2 is set according to the CDR-1s position on the chain. If this is the final CDR-1, set J2 to END, otherwise set J2 to MID.
7. Angle the CDR-1 such that the top is slightly closer to the wall.
8. Push onto the mounting plate such that the catches mate with the corresponding flanges on the plate.
9. Line up the two slots with the screw holes at the bottom of the plate.
10. Screw the CDR-1 remote to the mounting plate using the two M3 screws saved from step 1.

The CDR-1 is a surface mountable plate. If you are mounting the unit directly to the wall, ensure that the screws used have a oval head.

Connection to the CDR-1 should be made via pin-to-pin connection on CAT-5 cable and RJ45 plugs. CDR-1 plates can be daisy-chained. See the DCM-1 manual for possible wiring topologies.

## Rear Panel Diagram

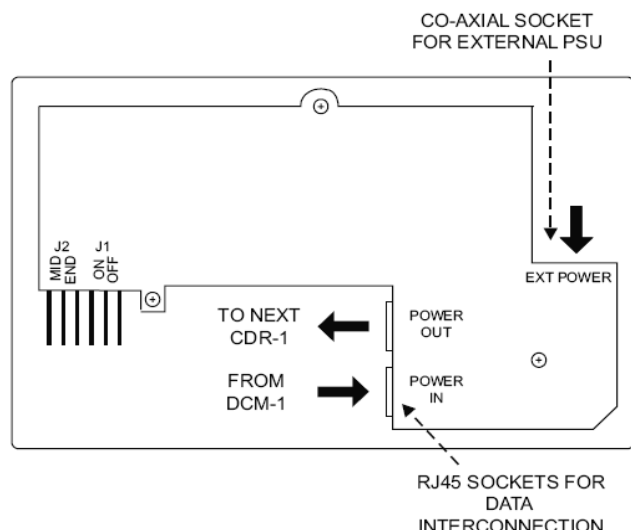
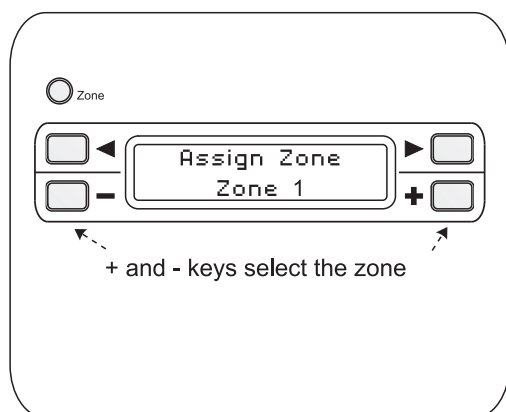


Diagram showing rear of CDR-1

## Configuration

Each CDR-1 must be assigned to a single zone. If a CDR-1 is connected without an assigned zone, it will prompt for an assignment before continuing.



### CDR-1 Zone Assignment Display

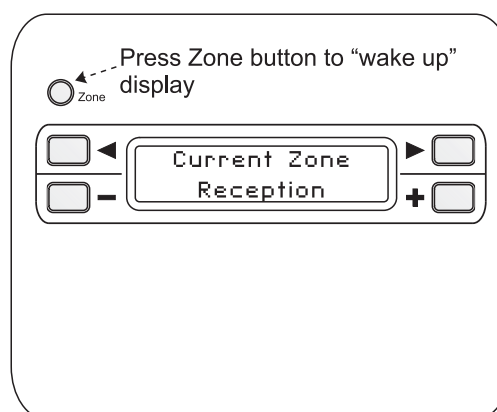
Jumper J1 puts the CDR-1 into "Install Mode". This mode allows access to the following unit specific settings:

- Backlight and contrast adjustment
- Inactivity time
- Zone assignment
- Set Engineer key

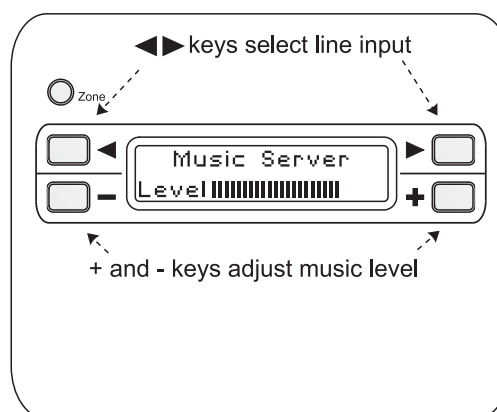
To access these parameters, remove power to the CDR-1, set J1 to "ON" and reconnect power. Make the required adjustments and then restore J1 to the "OFF" position before remounting the unit.

## User Operation

The backlight in the CDR-1's display automatically times-out after a few seconds (the actual time is programmable) to minimise power consumption. The display is "woken up" by pressing the Zone button, and the unit confirms the Zone it has been assigned to, either as **Zone n**, or by name if the zones have been renamed (see diagram below).



### CDR-1 User Mode: Current Zone display

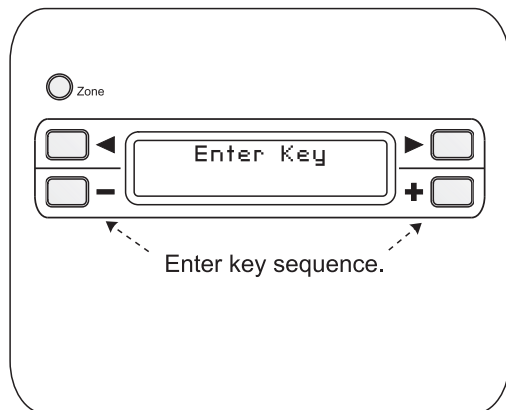


### CDR-1 User Mode: Adjustment Display

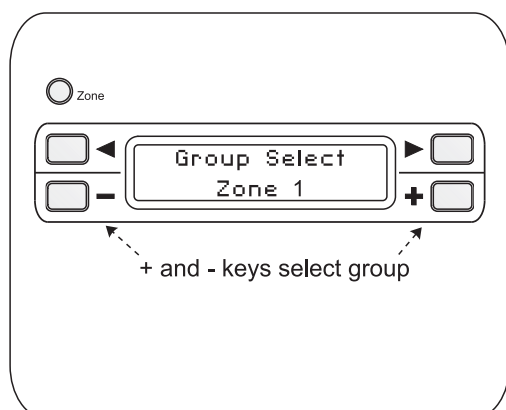
The CDR-1 will change to the adjustment display after approximately 10 seconds, or immediately if any of the other four buttons are pressed. The above diagram indicates the key assignments.

## Group Selection

If the Zone has been defined as a member of a Group, the next press of ZONE after the panel “wakes-up” displays the Engineer Mode “Enter Key” screen.



This gives the user the option of entering the key, after which the display will show the Group Select screen.



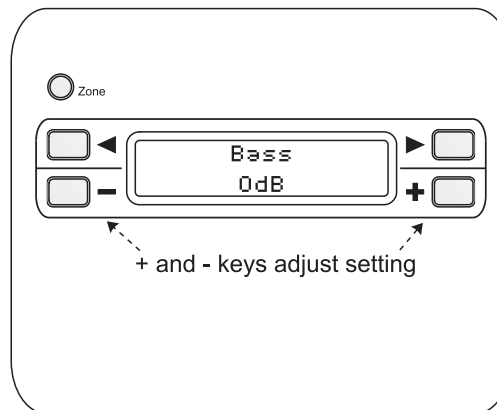
The + and – keys may now be used to enable or disable any Groups of which the Zone has been defined as a member.

If the Zone is only a member of one Group, the lower row of the display will toggle between **Zone n** and **Group m** where n and m are the Zone and Group numbers respectively.

If the Zone belongs to more than one Group, the additional Groups will be displayed in turn; pressing ZONE when a Group is displayed will enable that Group; pressing ZONE when the Zone is displayed will disable any Group and return to normal operation.

## Engineer Mode

The CDR-1 can be used to adjust the EQ in a zone. See the “CDR Zone Setup” section of the DCM-1 manual for details of how this mode can be enabled.



### Diagram of EQ adjustment display

## Power Supply

The CDR-1 draws 50mA of current from the DCM-1. See the PSU capability section of the DCM-1 manual for full details of how many CDR-1 plates the mixer can supply. For additional remotes, a CPM-PSU may be connected to the CDR-1 EXT POWER socket.

## Updates

The CDR-1 updates all groups, labels and restrictions from the mixer automatically.

## Default Settings

PARAM	USE	SETTING
J1	Install Mode	OFF
J2	CDR-1 Position	END
Key	Protects advanced functions	<<>>

For further details on the CDR-1 operation, refer to relevant sections in the DCM-1 manual.

Should you have any questions concerning the installation and connection of the CDR-1 please contact our Technical Support staff (details on front cover).