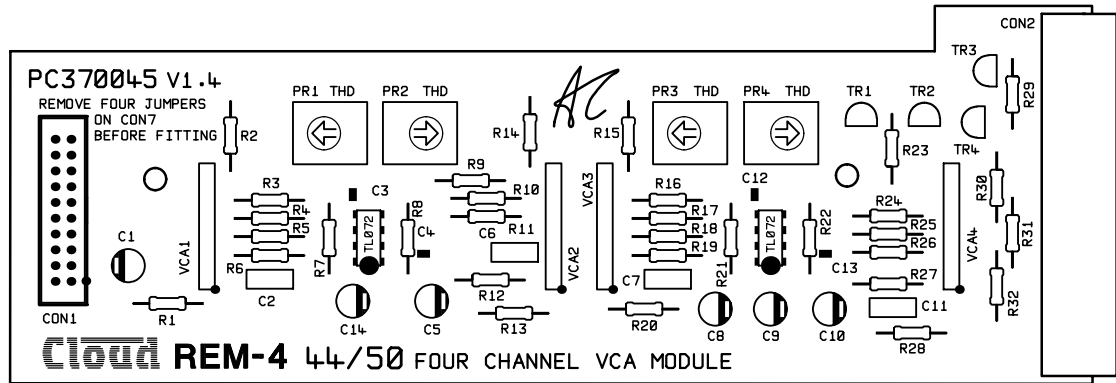# Cloud

# REM-4
## Installation Guide

**Cloud Electronics Limited**

140 Staniforth Road, Sheffield, S9 3HF England
Tel +44 (0) 114 244 7051
Fax +44 (0) 114 242 5462
E-mail info@cloud.co.uk
Web site http://www.cloud.co.uk

# REM-4
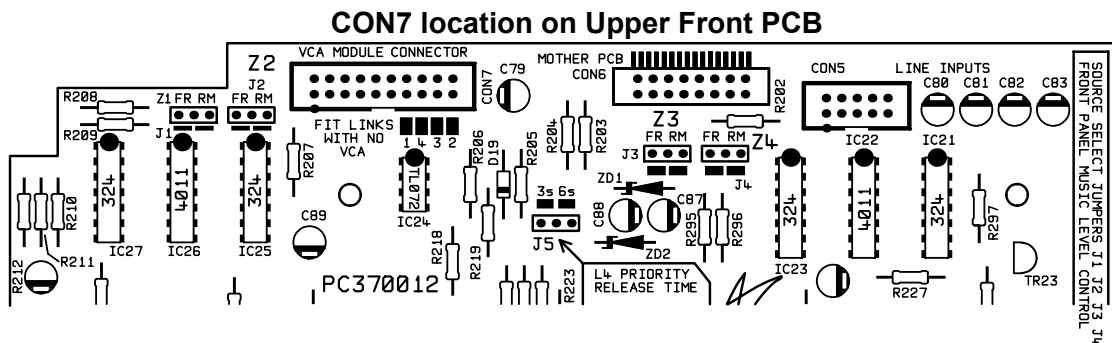## Installation Guide

## 1 Introduction

The REM-4 remote control module is designed for installation inside the 44/50, to allow the option for remote control of music volume and source on any one of the four zones. The RL-1 and RSL-1 remote control panels are both compatible with the 44/50, when installed with an REM-4



## 2 Installation Instructions

The REM-4 comes supplied with three 35mm M3 hex spacers & four 3-pin screw terminal plugs

1. Turn the power off and remove the mains cable
2. Remove the top panel
3. Remove the blanking plate (near the Line 4 input connectors) from the rear panel
4. To the right of the large heat sink (looking at the 44/50 from the front panel) you will see three M3 fixing screws each next to a white arrow marked on the PCB, remove and retain these screws then fix three 35mm hex spacers in their place.
5. Position the 12-way socket of the REM-4 remote control module through the rear of the chassis and align the PCB over the three hex spacers.
6. Secure the REM-4 with three M3 x 6mm (removed earlier)
7. Remove the four jumpers from the male header CON7 (see diagram below), connect the 20-way ribbon cable to it and check that the connector mates with all 20 pins.

### CON7 location on Upper Front PCB



8. Mechanical installation of the REM-4 is now complete. Follow the instructions on the next page to configure the relevant jumpers

# 3        Configuration Information

All relevant jumpers can be found on the upper front PCB of the 44/50.  Jumpers J1-4 are to the rear of the PCB and J6-9 to the front.

- **Jumpers J1-4** are associated with zones 1-4 respectively and allow you to switch music source operation between either the front panel control ('FR' position) or a remote panel ('REM' position)
- **Jumpers J6-9** are associated with zones 1-4 respectively and allow you to defeat front panel music level operation, passing total control to the remote control module.

### WHEN A ZONES 3-PIN REMOTE CONNECTOR IS UNUSED YOU MUST LINK ITS PIN 1 & PIN 2 TOGETHER

# 4        Configuration Instructions

# 4a       Configuring a Zone to operate with an RSL-1 remote control panel

To configure an RSL-1 to a zone you will have to ensure that the jumpers are set as follows:

**Zone 1:** J1 = REM
**Zone 2:** J2 = REM
**Zone 3:** J3 = REM
**Zone 4:** J4 = REM

If you wish to defeat a front panel level control set the relevant jumper from the below list to the 'DEF' position.

**Zone 1:** = J6
**Zone 2:** = J7
**Zone 3:** = J8
**Zone 4:** = J9

All remote control panel connection details can be found on the bottom panel of the 44/50

# 4b       Configuring a zone to operate with an RL-1 remote control panel

To configure an RL-1 to a zone then you will have to ensure the jumpers are set as follows:

**Zone 1:** J1 = FR
**Zone 2:** J2 = FR
**Zone 3:** J3 = FR
**Zone 4:** J4 = FR

If you wish to defeat a front panel level control set the relevant jumper from the below list to the 'DEF' position:

**Zone 1:** = J6
**Zone 2:** = J7
**Zone 3:** = J8
**Zone 4:** = J9

All remote control panel connection details can be found on the bottom panel of the 44/50

Should you have any further questions please do not hesitate to contact our technical support staff (contact details on front cover).