

CS104 Technical Note

February 1, 2002

RE: CS104-4T Installation Instructions

Post fader ribbon harness (14 conductor)

Remove board E to access J6 on board D.

Unplug harness from D J6 to H (pan pot board) J1.

Install new harness with the (3) IDC connectors. - Note: The connector marked 'up' will be plugged into the CS104-4T board later.

Remove right side panel.

Unplug mix bus connector from board D J10.

Remove connector from side panel (9/16" socket wrench).

Remove green wire from pin 1.

Remove ground (bus) wire from mini jack socket. - (Suggest removing socket from panel first - heat sink.)

Solder green wire from mix bus connector pin 1 onto mini jack socket (in place of the bus wire).

12 Pin HRS Receptacle

Install with the keyway up (13mm socket).

Install dual ground lug onto ground screw, near left output transformer.

Install right side panel.

Plug 2 conductor moxex into D J10 - make sure conductor wires are dressed away from the other conductor wires on the HRS connector.

Solder the green wire from the dual lug to board CS104-4T. (Pad located at far right edge.)

Reinstall board E - use 3/4" jack screw in near right mounting hole.

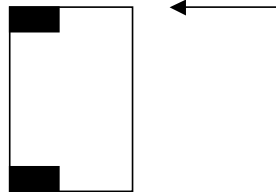
Install CS104-4T above the meters - use the jack screw for mounting.

Plug ribbon cable into J1, ensure 'up' is up.

Insert the moxex pins into the 9 position housing as follows:

Pin 1 Brown
Pin 2 Red
Pin 3 Orange
Pin 4 Yellow
Pin 5 Green
Pin 6 Blue
Pin 7 Violet
Pin 8 Gray
Pin 9 White

Pin 1



Dress the harness over the power switch - keep away from the solder lugs on the back of the switch.

Plug into the 9 position moxex connector on board CS104-4T (J6).

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January 19, 2006

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Notes:

Dip switches Post fade Up (standard)
 Pre fade Down
 (1 2 3 4)

HRS plug (HR 10A-10TP-12P)

Pin 1 Vc Jumper to pin 10 to turn on circuit.

Pin 2 - Ch. 1

Pin 3 + Ch. 1

Pin 4 - Ch. 2

Pin 5 + Ch. 2

Pin 6 - Ch. 3

Pin 7 + Ch. 3

Pin 8 - Ch. 4

Pin 9 + Ch. 4

Pin 10 Ground

Pin 11 Mix bus in - left

Pin 12 Mix bus in - right

* If connecting to unbalanced loads - jumper the low side of the output to ground.

Specifications

I in @ 12v DC + 70ma

THD+N <.007% V in -18dBu, mic 1 position.

Response 45kHz (-3dB)

Output with meters at reference level +4dBu.

Prefade Instructions

Remove board C - (Input transformers)

Plug 10 position ribbon cable into J4 on board D.

Note: Remove shunts if installed.

If this is the case, the harness needs to be installed on board CS104-4T for the signal path to be completed.

Plug other end into J2 on CS104-4T board.

4T Kit

(1) CS104-4T PCB

(1) 12 pin HRS receptacle harness

(1) Ribbon harness 14 position

(1) Ribbon harness 10 position

(1) Molex housing 9 position

(1) 4-40 x 3/4" brass jack screw