D-TuBe
8 Channel Valve Mic Input Card

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DIGICO

D-TuBe Contents

1.1 Introduction

The D-TuBe provides eight channels of tube pre amp. It has been designed to fit neatly into existing DiGiCo systems by simply replacing the last input module on a stage rack and moving the output module along by one slot. This keeps the full complement of 56 inputs to the stage rack, with the last eight inputs now being TuBes.
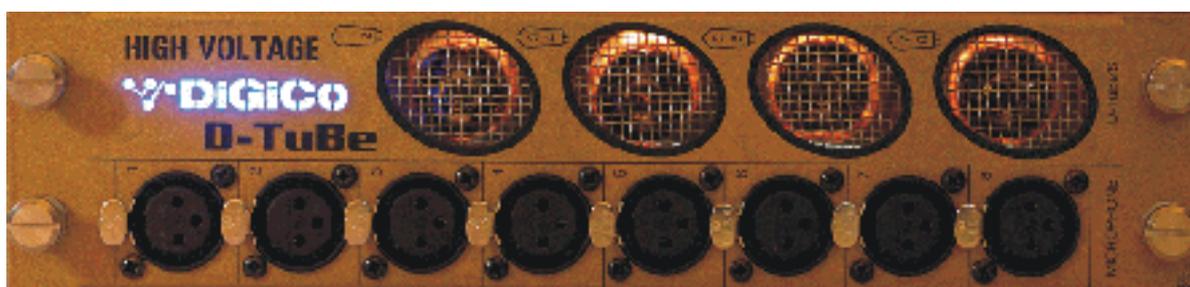
1.2 Normal Operation

Operation of the D-TuBe is exactly the same as a standard Mic Input card.

When a D-TuBe input is selected as a source for an input channel, analogue gain and digital trim controls will be shown at the top of the input channels.

The analogue gain control is pre valve and can therefore be used to "drive" the valve.

The digital trim control is post valve and can therefore be used to adjust the resulting output level from the valve.

1.3 Hardware Installation

To install the D-TuBe follow these instructions:

NOTE: When inserting a card into a slot carefully insert the card's PCB into the internal runners - do not insert the metal plate into the runners.

1) Switch the power off on the stage rack.

2) Remove the Mic Input card from slot 7 in the stage rack by unscrewing the two fixing bolts and gently sliding the card out.

3) Remove the Line Output card from slot 8 in the stage rack and reinstall it in slot 9 by removing the blank panel and inserting the card.

4) Install the D-TuBe card into the space left in slots 7 and 8.

5) Switch the rack power on and default the rack by pressing both of the DATA buttons at the same time to enable paging mode. Then scroll up with the PAGE buttons until you see the message "DEFAULT?" in the display. Press the DATA UP button and you will see the message "SURE?" in the display. Press the DATA UP button again, the display will briefly go blank and then return to the standard view.

6) The hardware installation is now complete - please read the next section for the software configuration.

Remove Input Card 7   Move Output Card 1 From Slot 8 To Slot 9

Insert D-Tube in Slot 7 / 8   Hardware Installation Complete
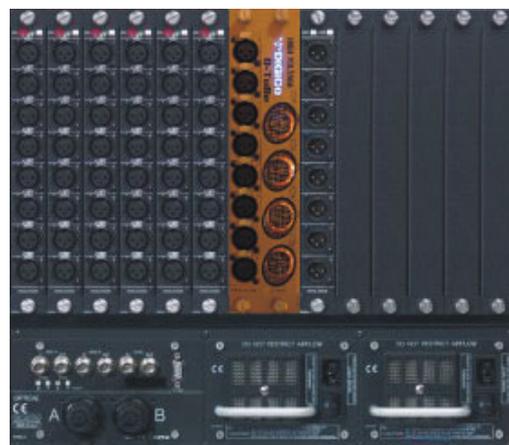
DiGiCo

1.4 Console Software Configuration

The console Sockets File must now be adjusted to reflect the changes in your rack. Preconfigured Sockets Files are available for the D5-56EX and D5-112EX at www.digiconsoles.com in the Support / Technical Notes section.

1) Download the relevant file and using Windows Explorer, copy it to the console via a USB key. It should be put into the C:\D5 directory.

2) Open the DiGiConfig program by pressing the System/Service/Configure Hardware button and then click on the Edit Details button with the mouse (the touch screen does not work in this program).

Click here to select a new sockets file

Click here to edit the existing sockets file
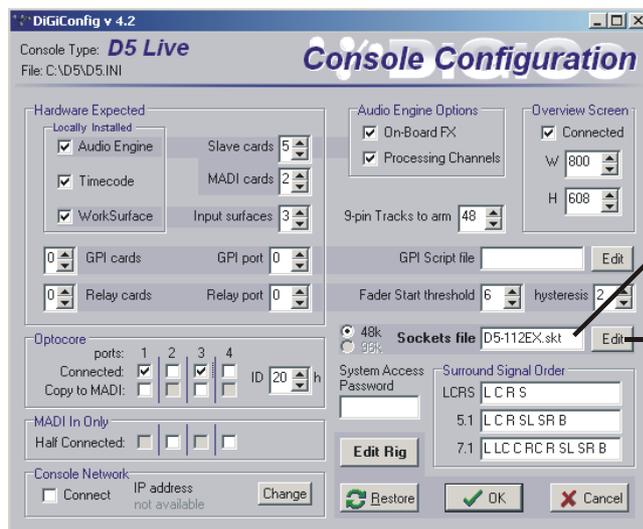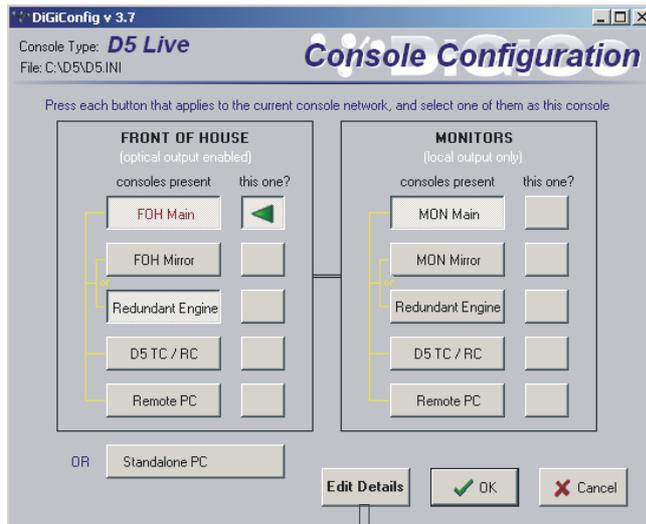
3) If you have downloaded a standard D-TuBe sockets file then click in the white box next to the words "Sockets File", select the new file from the list provided and then click OPEN to return to DiGiConfig.

4) Click OK to return to the console application.

NOTE: If your rack configurations are non-standard it is advisable to contact your local distributor or DiGiCo Technical Support for assistance.

The following explanation assumes prior knowledge of the structure of a DiGiCo sockets file.

To edit your existing sockets file:

1) Click on the EDIT button next to the sockets file name in DiGiConfig and the file will open in Windows Notepad.

2) Save this sockets file under a new filename with no more than 8 characters, no spaces and no punctuation.

3) Edit the new file to reflect the changes that you have made in your rack.

4) Save the new file and exit Windows Notepad.

5) Select the new filename in the sockets file box by clicking on the existing name and selecting the new file from the list.

Example:

For a standard stage rack where the D-TuBe has been installed in slot 7 and 8 and the analogue output card has been moved to slot 9.

Standard MADI descriptions:	**Should be changed to:**
MADI 1-1 = MIC	*MADI 1-1 = MIC*
MADI 1-2 = MIC	*MADI 1-2 = MIC*
MADI 1-3 = MIC	*MADI 1-3 = MIC*
MADI 1-4 = MIC	*MADI 1-4 = MIC*
MADI 1-5 = MIC	*MADI 1-5 = MIC*
MADI 1-6 = MIC	*MADI 1-6 = MIC*
MADI 1-7 = MIC	*MADI 1-7 = MIC ; This is the D-TuBe*
MADI 1-8 = ANALOG	*MADI 1-9 = ANALOG; This is the output card that was moved*

Standard Socket descriptions For Input Slot 7:	**Should be changed to:**
Stg 49-56 = INPUT GROUP	*DTube 49-56 = INPUT GROUP*
Stg 49 = 1-7-1, MIC	*DTube49 = 1-7-1, MIC*
Stg 50 = 1-7-2, MIC	*DTube50 = 1-7-2, MIC*
Stg 51 = 1-7-3, MIC	*DTube51 = 1-7-3, MIC*
Stg 52 = 1-7-4, MIC	*DTube52 = 1-7-4, MIC*
Stg 53 = 1-7-5, MIC	*DTube53 = 1-7-5, MIC*
Stg 54 = 1-7-6, MIC	*DTube54 = 1-7-6, MIC*
Stg 55 = 1-7-7, MIC	*DTube55 = 1-7-7, MIC*
Stg 56 = 1-7-8, MIC	*DTube56 = 1-7-8, MIC*

Standard Socket descriptions First Stage Output Card	**Should be changed to:**
Stg op 1-8 = OUTPUT GROUP	*Stg op 1-8 = OUTPUT GROUP*
Stg op 1 = 1-8-1	*Stg op 1 = 1-9-1*
Stg op 2 = 1-8-2	*Stg op 2 = 1-9-2*
Stg op 3 = 1-8-3	*Stg op 3 = 1-9-3*
Stg op 4 = 1-8-4	*Stg op 4 = 1-9-4*
Stg op 5 = 1-8-5	*Stg op 5 = 1-9-5*
Stg op 6 = 1-8-6	*Stg op 6 = 1-9-6*
Stg op 7 = 1-8-7	*Stg op 7 = 1-9-7*
Stg op 8 = 1-8-8	*Stg op 8 = 1-9-8*