

For Assy:  
12457  
Rev: 1/4/05

# Radio Systems Part# 12457

## 4 Output Stereo Distribution Amplifier

### Description

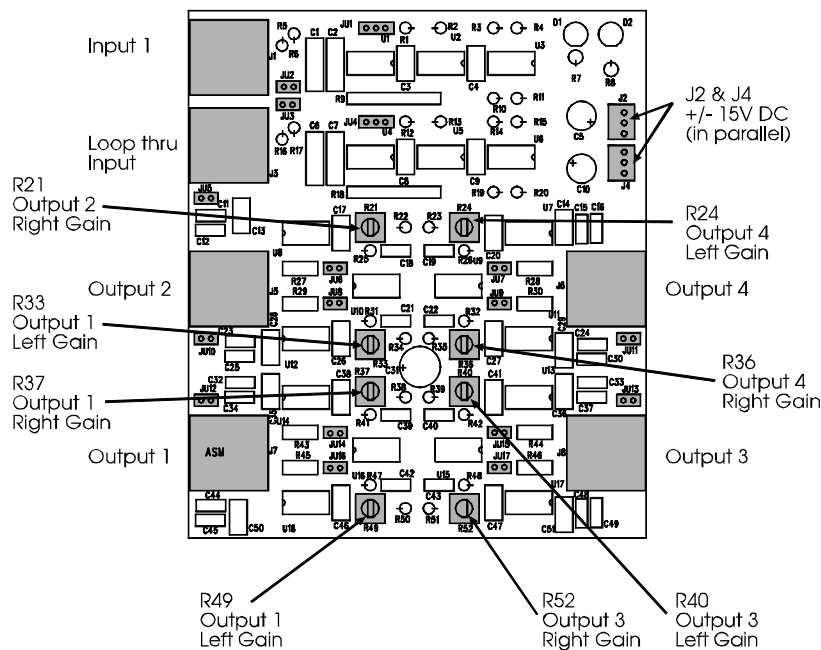
This optional, compact circuit card installs internally in Millenium consoles and may be connected to any audio output(s) to distribute signal to multiple sources. The card features bridging inputs, low impedance outputs, and independent level adjusts for each output. It features RJ-45 input and output connectors, whos pinouts are compatible with the StudioHub+ wiring solution

### Installation

Use the plastic pins supplied to mount the circuit card on any free slot on the console inside rear wall. Supply DC power via the three wire cable from the auxiliary DC output connector (J15) on any six channel input board.

### Applications

Use the DA to distribute program audio, or to create a mono program blend by paralleling left and right outputs. The DA may also be wired to loop through channel patch points (while leaving the loop-through jumpers in place) to "pick-off" and distribute individual channel audio. The DA, used in this application, will balance and buffer the audio, maintaining the integrity of channel audio as it exits the console.



### Jumper Pins Programming

Jumper	Pins	Function
JU-1	none inserted	unity gain - right channel
JU-1	left & right inserted	+20 db gain - right channel
JU-1	center & right inserted	+10 db gain - right channel
JU-4	none inserted	unity gain - left channel
JU-4	left & center inserted	+20 db gain - left channel
JU-4	center & right inserted	+10 db gain - left channel
JU-2 & JU-3	insert neither	stereo operation
JU-2 & JU-3	insert both	mono operation
JU-5	insert	ties input RJ-45 cases to ground
JU-12	insert	ties output #1 RJ-45 case to ground
JU-10	insert	ties output #2 RJ-45 case to ground
JU-13	insert	ties output #3 RJ-45 case to ground
JU-11	insert	ties output #4 RJ-45 case to ground
JU-14 & JU-16	insert both	powers output #1 with +15v
JU-6 & JU-8	insert both	powers output #2 with +15v
JU-15 & JU-16	insert both	powers output #3 with +15v
JU-7 & JU-9	insert both	powers output #4 with +15v

### Hub Pin Outs

Channel	Color Pair	RJ-45 Pin	110 Pin
L+ / AES +	Wht/Org	1	3
L- / AES -	Org/Wht	2	4
R+	Wht/Grn	3	5
R-	Grn/Wht	6	6
nc	Wht/Blu	5	1
GND	Blu/Wht	4	2
15V-	Wht/Brn	7	7
15V+	Brn/Wht	8	8
Shield	Wht/Slit	Shield	9
Shield	Slit/Wht	Shield	10

### Information Grid

Manufactured Date:	1998-Present
Status:	Current
Application:	Millenium-A Console / Millenium-D Console
Notes:	

**radio**  
SYSTEMS

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