Issue 22, Effective April 21, 2023

Model 200-Series & Model 348 Accessories Installation & Configuration Guide

A host of optional assemblies, card kits, and accessories can be added on to the Model 200-Series Announcer's and Producer's Consoles and the Model 348 Intercom Station. These allow a range of specialized applications to be supported. Please contact the factory for assistance in achieving your specific implementation.

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4-Pin Headset Connector Assembly (Order Code: 31214)

Overview

Allows a technician to add a 4-pin male XLR connector to a Model 348 Intercom Station. Provides support for head-sets that use a 4-pin female XLR connector for the mic and earpiece connections. Installs in back-panel spare-connector location. Each kit includes card, interface cables, and hardware.

Implementation

Connector Type: 4-Pin Male XLR (Neutrik NC4MDM3-H)

Suggested Connector Location: User specifiable

Function	XLR Pin	Header-Pin on 31214 Card	Header-Pin on Model 348
Mic Shield/-	1	P6-1	P2-1*
Mic +	2	P6-2	P2-2*
Phones Common	3	P5-1	P5-1*
Phones +	4	P5-2	P5-2*







5-Pin Single-Channel Headset Connector Assembly (Order Code: 13579)

Overview

Allows a single-channel headset with a 5-pin male XLR plug to be directly connected to Model 200-Series Announcer's Consoles. With this assembly a single audio channel will drive a single-ear or dual-ear monaural headset. To support dual-channel headsets refer to the 5-Pin Dual-Channel Headset Connector Assembly.

Implementation

Connector: Neutrik NC5FD-L-1

Suggested Connector Location: Far right when viewed from back

Suggested Connector Orientation: Tab on left side when viewed from back



Function	XLR Pin	Header-Pin on Models 210/211	Header-Pin on Models 212/220/230	Header-Pin on Models 214/215/216/ 214A/215A/216A	Header-Pin on Model 233	Header-Pin on Models 232/234/236
Mic Shield	1	P4-1	P5-1	P2-1	P6-1	P4-1*
Mic +	2	P4-2	P5-2	P2-2	P6-2	P4-2*
Mic -	3	P4-3	P5-3	P2-3	P6-3	P4-3*
Phones Commo	n 4	P3-1	P4-1	P5-1	P5-1	P4-1
Phones +	5	P3-2	P4-2	P5-2	P5-2	P4-2

^{*} P4 on Analog Board

5-Pin Dual-Channel Headset Connector Assembly (Order Code: 13703)

Overview

Allows a dual-channel headset with a 5-pin male XLR plug to be directly connected to Model 200-Series Announcer's Consoles. With this assembly two audio channels will drive a dual-ear "stereo" headset. To support single-channel headsets refer to the 5-Pin Single-Channel Headset Connector Assembly.

Implementation

Connector: Neutrik NC5FD-L-1

Suggested Connector Location: Far right when viewed from back

Suggested Connector Orientation: Tab on left side when viewed from back



				Header-Pin on		
Function	XLR Pin	Header-Pin on Models 210/211	Header-Pin on Models 212/220/230	Models 214/215/216/ 214A/215A/216A	Header-Pin on Model 233	Header-Pin on Models 232/234/236
Mic In -/Shield	1	P4-3	P5-3	P2-3	P6-3	P4-3*
Mic In +	2	P4-2	P5-2	P2-2	P6-2	P4-2*
Phones Commo	n 3	P3-1	P4-1	P5-1	P5-1	P4-1
Phones + Left	4	P3-2	P4-2	P5-2	P5-2	P4-2
Phones + Right	5	P3-3	P4-3	P5-3	P5-3	P4-3

^{*} P4 on Analog Board

6-Pin Headset Connector Assembly (Order Code: 13595)

Overview

Allows headset with 6-pin XLR plug to be directly connected to Model 200-Series Announcer's and Producer's Consoles.

Implementation

Connector: Neutrik NC6FDS-L-1 (Switchcraft® pin arrangement)

Suggested Connector Location: Far right when viewed from back

Suggested Connector Orientation: Tab on left side when viewed from back



				Header-Pin on		
Function	XLR Pin	Header-Pin on Models 210/211	Header-Pin on Models 212/220/230	Models 214/215/216/ 214A/215A/216A	Header-Pin on Models 233/240	Header-Pin on Models 232/234/236
Mic -	1	P4-3	P5-3	P2-3	P6-3	P4-3*
Mic +	2	P4-2	P5-2	P2-2	P6-2	P4-2*
Phones Commo	n 3	P3-1	P4-1	P5-1	P5-1	P4-1
Phones + Left	4	P3-2	P4-2	P5-2	P5-2	P4-2
Phones + Right	5	P3-3	P4-3	P5-3	P5-3	P4-3
Mic Shield	6	P4-1	P5-1	P2-1	P6-1	P4-1*

^{*} P4 on Analog Board

7-Pin Headset Connector Assembly (Order Code: 13561)

Overview

Allows headset with 7-pin XLR plug to be directly connected to Model 200-Series Announcer's and Producer's Consoles.

Implementation

Connector: Neutrik NC7FD-L-1

Suggested Connector Location: Far right when viewed from back

Suggested Connector Orientation: Tab on left side when viewed from back



				Header-Pin on		
Function	XLR Pin	Header-Pin on Models 210/211	Header-Pin on Models 212/220/230	Models 214/215/216/ 214A/215A/216A	Header-Pin on Models 233/240	Header-Pin on Models 232/234/236
Mic Shield	1	P4-1	P5-1	P2-1	P6-1	P4-1*
Phones – Right	2	P3-1	P4-1	P5-1	P5-1	P4-1
Phones + Right	3	P3-3	P4-3	P5-3	P5-3	P4-3
Phones – Left	4	P3-1	P4-1	P5-1	P5-1	P4-1
Phones + Left	5	P3-2	P4-2	P5-2	P5-2	P4-2
Mic +	6	P4-2	P5-2	P2-2	P6-2	P4-2*
Mic –	7	P4-3	P5-3	P2-3	P6-3	P4-3*

^{*} P4 on Analog Board

3-Conductor ¼-Inch Connector Assembly (Order Code: 31208)

Overview

Allows a technician to add a 3-conductor ¼-inch jack to Model 200-Series Announcer's and Producer's Consoles and the Model 348 Intercom Station. Provides support for headphones that use standard "stereo" (tip/ring/sleeve) ¼-inch plugs. Utilizes Neutrik® D-series locking connector. Installs in one of the back-panel spare-connector locations.

Implementation

Connector: Neutrik NJ3FP6C

Suggested Connector Location: Far right when viewed from back

Suggested Connector Orientation: Tab on left side when viewed from back



Connections for Models 210/211/212/214/215/216/214A/215A/216A/220/230/233/240:

				Header-Pin on	
Function	3-Conductor 1/4-Inch Jack	Header-Pin on Models 210/211	Header-Pin on Models 212/220/230	Models 214/215/216/ 214A/215A/216A	Header-Pin on Models 233/240
Phones Common	Sleeve	P3-1	P4-1	P5-1	P5-1
Phones + Left	Tip	P3-2	P4-2	P5-2	P5-2
Phones + Right	Ring	P3-3	P4-3	P5-3	P5-3

Connections for Models 232/234/236:

Function	3-Conductor 1/4-Inch Jack	Header-Pin on Models 232/234/236
Phones Common	Sleeve	P4-1
Phones + Left	Tip	P4-2
Phones + Right	Ring	P4-3

Connections for Model 348:

Function	3-Conductor 1/4-Inch Jack	Header-Pin on Model 348
Phones Common	Sleeve	P5-1*
Phones + Left	Tip	P5-2 *
Phones + Right	Ring	P5-3*

^{*} P5 on Analog Board

IFB Input Card Kit for Models 211 and 211 (Order Code: 31212)

Overview

Allows technician to add electrically-isolated 2-channel IFB input to Models 210 and 211 Announcer's Consoles. Compatible with powered ("wet") IFB or party-line (PL) intercom circuits associated with fixed and mobile broadcast systems. Provides listen-only interface. Installs in one of the back-panel spare-connector locations. Kit includes card, interface cable, and hardware.

Implementation

Connector Type: 3-Pin Female XLR (Neutrik NC3FD-H-B)

Suggested Connector Location: Far left when viewed from back

Suggested Connector Orientation: Tab on left side when viewed from back





	On	On	On
Function	31212 Card	Model 210*	Model 211
Out 1/2	P2	P11	P11
	(Aux Out Ch 1/2)	(Aux In Ch 1)	(Aux In Ch 1/2)
Out 2	P1	P10	No connect
	(Aux Out Ch 2)	(Aux In Ch 2)	

^{*} Contact factory for one additional interface cable

Direct Microphone Output Card Kit for Models 212, 220, 230, and 233 (Order Code: 31058)

Overview

Allows technician to add direct microphone output to Models 212, 220, 230, and 233 Announcer's Consoles. Installs in back-panel spare connector location. Card features 3-pin male XLR connector. Kit includes card, interface cables, and hardware.

Implementation

Connector Type: 3-Pin Male XLR (Neutrik NC3MD-H-B)

Suggested Connector Location: Far right when viewed from back

Suggested Connector Orientation: Tab on left side when viewed from back





Connections:

Function	Direct Mic Out Card	On Model 212	On Model 220	On Model 230 (Rev C or D PCB)	On Model 230 (Rev E or Later)	On Model 233
Mic In	P6	P5	P5	P5	P5	P6
Relay	P5	P6	P9	P16	P15	P15
(requires setting		or	or	or	or	or
DIP switches; see table below)		P11	P10	P17	P16	P16
Mic Loop-Thru	P7	Available	Available	Available	Available	Available

Configuration Settings:

Function	On	On	On
	Model 212	Model 220	Models 230/233
Main (most common)	SW3-9 (↑)	SW3-7 (↑)	SW4-5 (↑)
	SW3-10 (↓)	SW3-8 (↓)	SW4-6 (↓)
Talkback 1	SW3-9 (↓)	SW3-7 (↓)	SW4-5 (↓)
	SW3-10 (↑)	SW3-8 (↑)	SW4-6 (↑)
Talkback 2		SW3-7 (↑) SW3-8 (↑)	SW4-5 (↑) SW4-6 (↑)

Direct Microphone Output Card Kit for Models 210, 211, 214, 215, 216, 214A, 215A, 216A, and 240 (Order Code: 31213)

Overview

Allows technician to add direct microphone output to Models 210, 211, 214, 215, 216, 214A, 215A, and 216A Announcer's Consoles and Model 240 Producer's Consoles. Installs in back-panel spare connector location. Card features 3-pin male XLR connector. Kit includes card, interface cables, and hardware.

Implementation

Connector Type: 3-Pin Male XLR (Neutrik NC3MD-H-B)

Suggested Connector Location: Far right when viewed from back

Suggested Connector Orientation: Tab on left side when viewed from back



Connections:

		On						
Function	Direct Mic Out Card	On Model 210	On Model 211	Models 214/215/216/ 214A/215A/216A	On Model 240			
Mic In	P5	P4	P4	P2	P6			
Relay In (may require setting configuration; see table below)	P3	P17	P12	P7	P22, P23, P24, P25, or P26 as per application			
DC In	P4	P13 or P20	P16 or P17	P6	P21			

Configuration Setting:

Function	On Model 210	On Model 211	On Models 214/215/216	On Models 214A/215A/216A	On Model 240
Main output controls relay	SW1-7 (↓)	Not required	Not required	Use STcontroller	Not required

Backup Microphone Output Card Kit for Models 210, 211, 220, 230, and 233

(Order Code: 31211)

Overview

Allows a technician to create an audio output that automatically switches between the main output signal and the microphone input connection. Used to provide an automatic "fail-over" connection for specialized on-air broadcast applications. Installs in one of the back-panel spare-connector locations in Models 210, 211, 220, 230, and 233 Announcer's Consoles. The card features a 3-pin male XLR connector and a high-reliability sealed electromechanical relay. Each kit includes card, interface cables, and hardware.

Implementation

Connector Type: 3-Pin Male XLR (Neutrik NC3MD-H-B)

Suggested Connector Location: Far right when viewed from back

Suggested Connector Orientation: Tab on left side when viewed from back





Function	On 31211 Card	On Model 210	On Model 211	On Model 220	On Model 230 (Rev C or D PCB)	On Model 230 (Rev E or later)	On Model 233
Mic In	P9	P4	P4	P5	P5	P5	P6
Main Out	P12	P5	P5	P6	P6	P6	P7
DC In	P10	P13	P16	P16	P18	P17	P17
Mic Loop-Thru	P11	Available	Available	Available	Available	Available	Available

Line Input Card Kit for Models 210, 212, and 240 (Order Code: 31084)

Overview

Allows technician to add a line-level input to Models 210 and 212 Announcer's Consoles and Model 240 Producer's Console; maximum two per unit. Installs in back-panel spare connector location. Card features 3-pin female XLR connector and isolation transformer. Kit includes card, interface cable, and hardware.

Implementation

Connector Type: 3-Pin Female XLR (Neutrik NC3FD-H-B)

Suggested Connector Location: User specifiable

Suggested Connector Orientation: Tab on left side when viewed from back





Function	On 31084 Card	On Model 210	On Model 212	On Model 240
Out	P2	P10 (Aux In 2) or P11 (Aux In 1)	P12 (Aux In 2) or P14 (Aux In 1)	P11 (Aux Phones Input Left) or P12 (Aux Phones Input Right)
Line In Loop-Thru	P1	Available	Available	Available

Line Input with Limiter Card Kit for Models 210, 212, 220, 230, 233, and 240

(Order Code: 31210)

Overview

Allows technician to add a level-controlled line input to Models 210, 212, 220, 230, and 233 Announcer's Consoles and Model 240 Producer's Consoles. Sophisticated VCA-based circuitry minimizes the chance that abnormally high input signal levels will cause listener discomfort. Installs in back-panel spare connector location; maximum two per unit. Card features 3-pin female XLR connector, isolation transformer, and high-density surface-mount-technology circuitry. Kit includes card, interface cables, and hardware.

R9 and R6 are used to set the limiter threshold and compression ratio, respectively. These resistors are 1% 1206 surface mount resistors available from most electronic component suppliers. Factory set for a threshold of +2 dBu with a 10:1 compression ratio. Modifications should be done by competent technicians only.

Limiter Threshold	R9 Resistor Value
+2 dBu (default)	150 k ohms
+4 dBu	187 k ohms
+8 dBu	249 k ohms
+10 dBu	301 k ohms

Compression Ratio	R6 Resistor Value
5:1	2.49 k ohms
8:1	1.30 k ohms
10:1 (default)	1.10 k ohms
12:1	909 ohms

Note: These settings are for Rev A printed circuit boards. Please contact Studio Technologies support if your board is newer than Rev A.

Implementation

Connector Type: 3-Pin Female XLR (Neutrik NC3FD-H-B)

Suggested Connector Location: User specifiable

Suggested Connector Orientation: Tab on left side when

viewed from back

Connections for Models 210/212/220:

Function	On 31210 Card	On Model 210	On Model 212	On Model 220
Out	P3	P10 (Aux In 2)	P12 (Aux In 2)	P14 (Line In 1)
		or P11 (Aux In 1)	or P14 (Aux In 1)	or P15 (Line In 2)
DC In	P2	P13	P16	P16
Line In Loop-Thru	P1	Available	Available	Available

Connections for Models 230/233/240:

Function	On Model 230 (Rev C or D PCB)	On Model 230 (Rev E or Later)	On Model 233	On Model 240
Out	P8 (Line In 1)	P8 (Line In 1)	P10 (Line In 1)	P11 (Aux Phones Input Left)
	or	or	or	or
	P9 (Line In 2)	P9 (Line In 2)	P11 (Line In 2)	P12 (Aux Phones Input Right)
DC In	P18	P17	P17	P21 or P27
Line In Loop-Thru	Available	Available	Available	Available

Line Output Card Kit for Models 212 and 230 (Order Code: 31086)

Overview

Allows technician to add a line-level output (–10 dBu nominal) to Models 212 and 230 Announcer's Consoles. Installs in back-panel spare connector location. Card features 3-pin male XLR connector and isolation transformer. Kit includes card, interface cable, and hardware.

Implementation

Connector Type: 3-Pin Male XLR (Neutrik NC3MD-H-B)

Suggested Connector Location: Far left when viewed from back

Suggested Connector Orientation: Tab on left side when viewed from back





Function	On 31086 Card	On Model 212	On Model 230
In	P3	P13 (Main Out)	P13 (Intercom Ch 2)
		or	or
		P23 (Talkback Out	P14 (Intercom Ch 1)
Output Loop-Thru	P2	Available	Available

3-Pin Female XLR Connector Card Kit (Order Code: 31201)

Overview

Allows technician to add "mult" or special function connector to Model 200-Series Announcer's and Producer's Consoles. Installs in back-panel spare connector location. Card features 3-pin female XLR connector and two 3-pin headers. Kit includes card, interface cable, and hardware.

Implementation

Connector Type: 3-Pin Female XLR (Neutrik NC3FD-H-B)

Suggested Connector Location: User specifiable

Suggested Connector Orientation: Tab on left side when viewed from back





3-pin female XLR connector (J1) connects to two 3-pin headers (P1 and P2) allowing for custom 200-Series Announcer's and Producer's Console interconnections. Refer to the following information for connection details:

J1 pin 2 connects to P1 pin 2 and P2 pin 2

J1 pin 3 connects to P1 pin 3 and P2 pin 3

J1 pin 1 connects to P1 pin 1; P2 pin 1 is not connected ("floats")

3-Pin Male XLR Connector Card Kit (Order Code: 31202)

Overview

Allows technician to add "mult" or special function connector to Model 200-Series Announcer's and Producer's Consoles. Installs in back-panel spare connector location. Card features 3-pin male XLR connector and two 3-pin headers. Kit includes card, interface cable, and hardware.

Implementation

Connector Type: 3-Pin Male XLR (Neutrik NC3MD-H-B)

Suggested Connector Location: User specifiable

Suggested Connector Orientation: Tab on left side when viewed from back





3-pin male XLR connector (P5) connects to two 3-pin headers (P3 and P4) allowing for custom 200-Series Announcer's and Producer's Console interconnections. Refer to the following information for connection details:

P5 pin 2 connects to P3 pin 2 and P4 pin 2

P5 pin 3 connects to P3 pin 3 and P4 pin 3

P5 pin 1 connects to P3 pin 1; P4 pin 1 is not connected ("floats")

Model 200-Series & Model 348 Accessories Installation & Configuration Guide 4-Pin Female XLR Connector Card Kit (Order Code: 31206)

Overview

Allows technician to add special function connector to Model 200-Series Announcer's and Producer's Consoles and Model 348 Intercom Station. Installs in back-panel spare connector location. Card features 4-pin female XLR connector. Kit includes card, interface cables, and hardware.

Implementation

Connector Type: 4-Pin Female XLR (Neutrik NC4FDM3-H)

Suggested Connector Location: User specifiable

Suggested Connector Orientation: Tab on left side when viewed from back





Two headers on the card (P16 and P17) are available for custom board connections. Custom connections between the headers and the 4-pin XLR connector can be made using the following diagram:



Remote Switch Inputs Card Kit (Order Code: 31205)

Overview

The following kit allows access to the remote switch inputs on Model 200-Series Announcer's Consoles and the Model 348 Intercom Station.

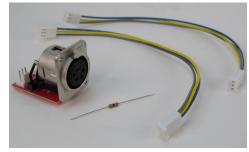
Implementation

Connector Type: 4-Pin Female XLR (Neutrik NC4FDM3-H)

Suggested Connector Location: User specifiable

Suggested Connector Orientation: Tab on left side when

viewed from back





Connections for Models 210/211/212/214/215/216/214A/215A/216A:

Function	XLR Pin	On 31205 Card*	On Model 210	On Model 211	On Model 212	On Models 214/215/216	On Models 214A/215A/216A
Common	1	P14-1	P14-1	P18-1	P17-1	P10-1 or P11-1	P10-1
Main	2	P14-2	P14-2	P18-2	P17-2	P10-2	P10-2
Talkback	3	P14-3	P14-3	P18-3	P17-3	P11-2	P10-3
Unused	4						

^{*} Insert and solder 0 ohm resister ("jumper"), included in the kit, into location R7 on card

Connections for Models 220/230/233:

Function	XLR Pin	On 31205 Card	On Model 220	On Model 230 (Rev C or D PCB)	On Model 230 (Rev E or Later)	On Model 233
Common	1	P14-1	P18-1	P19-1	P18-1	P19-1
Main	2	P14-2	P18-2	P19-2	P18-2	P19-2
Talkback 1	3	P15-2	P17-2	P15-2	P19-2	P18-2
Talkback 2	4	P15-3	P17-3	P15-3	P19-3	P18-3

Connections for Models 232/234/236:

		On	On
Function	XLR Pin	31205 Card	Models 232/234/236
Common	1	P14-1	P7-1
Remote In 1	2	P14-2	P7-2
Remote In 3	3	P15-2	P9-2
Remote In 4	4	P15-3	P9-3

Connections for Model 348:

Function	XLR Pin	On 31205 Card*	On Model 348
Common	1	P14-1	P7-1
Remote In 1	2	P14-2	P7-2
Remote In 2	3	P14-3	P7-3
Unused	4		

^{*} Insert and solder 0 ohm resister ("jumper"), included in the kit, into location R7 on card

Model 200-Series & Model 348 Accessories Installation & Configuration Guide Tally/Remote Switch Input Card Kit for Models 212, 220, and 230 (Order Code: 31203)

Overview

Allows technician to add status output ("tally") and remote switch input to Models 210, 211, 212, 214, 215, 216, 214A, 215A, 216A, 220, and 230 Announcer's Consoles. Installs in back-panel spare connector location. Card features 3-pin female XLR connector and circuitry that provides current-limited 5 volt DC output and remote switch input. Kit includes card, interface cables, and hardware. **Note:** These functions are built into the Model 233 (see User Guide for details.)

Implementation

Connector Type: 3-Pin Female XLR (Neutrik NC3FD-H-B)

Suggested Connector Location: User specifiable

Suggested Connector Orientation: Tab on left side when viewed from back





Connections:

Function	On 31203 Card	On Model 210*	On Model 211	On Model 212	On Models 214/215/216/ 214A/215A/216A
Remote Switch Input	P7	P14	P18	P17**	P10
DC Power (from Announcer's Console	P6	P20	P16	P3	P6
Relay (requires setting DIP switches; see table below)	P8	P17	P12	P6 or P11	P7

^{*} Applicable for Model 210 serial numbers 01151-later only

Connections:

Function	On 31203 Card	On Model 220	On Model 230 (Rev C or D PCB)	On Model 230 (Rev E or Later)
Remote	P7	P7P18 (for Main)	P19 (for Main)	P18 (for Main)
Switch		or	or	or
Input		P17 (TB1 or TB2*)	P15 (TB1 or TB2*)	P19 (TB1 or TB2*)
DC Power	P6	P13	P3	P3
(from Announcer's Consc	ole)			
Relay	P8	P9	P16	P15
(requires setting DIP		or	or	or
switches; see table below	/)	P10	P17	P16

^{*} Remove resistor R4 on card and replace R3 for TB2 functionality

Configuration Settings:

Function	On Models 210/211	On Model 212	On Models 214/215/216	On Models 214A/215A/216A	On Model 220	On Model 230
Main (most common)		SW3-9 (↑) SW3-10 (↓)		STcontroller	SW3-7 (↑) SW3-8 (↓)	SW4-5 (↑) SW4-6 (↓)
Talkback 1		SW3-9 (↓) SW3-10 (↑)			SW3-7 (↓) SW3-8 (↑)	SW4-5 (↓) SW4-6 (↑)
Talkback 2					SW3-7 (↑) SW3-8 (↑)	SW4-5 (↑) SW4-6 (↑)

Function	XLR Pin
Common	1
Remote Switch Input	2
Current Limited +5 Vdc Out	3

^{**} Remove resistor R4 on card and replace R3 for TB functionality

EtherCon® Connector Card Kit (Order Code: 31207)

Overview

Allows technician to add Neutrik[®] EtherCon 8-pin "modular" Ethernet connector to Model 200-Series Announcer's and Producer's Consoles. Installs in back-panel spare connector location. Allows power and up to three input or output functions to be carried over one standard "data" cable. Kit includes card, interface cables, and hardware.

Implementation

Connector Type: EtherCon RJ45 Receptacle (Neutrik NE8FDV-B)

Suggested Connector Location: Center when viewed from back (or as

desired)

Suggested Connector Orientation: Tab on left side when viewed from back





Function	On 31207 Card	RJ45 Pin	EIA/TIA 568B Color Scheme
Pair 1			
+	P16-2	4	WHT/BLU
_	P16-3	5	BLU/WHT
Pair 2			
+	P14-2	1	WHT/ORG
_	P14-3	2	ORG/WHT
Pair 3			
+	P15-2	3	WHT/GRN
_	P15-3	6	GRN/WHT
Pair 4 (Power)			
+	P13-2	7	WHT/BRN
_	P13-1	8	BRN/WHT

Program/Talkback Card Kit for Models 220, 230, and 233 (Order Code: 31204)

Overview

Allows technician to create an audio signal that switches between an external program source and a talkback output to Models 220, 230, and 233 Announcer's Consoles. Installs in back-panel spare connector location. Card features 3-pin male XLR connector. Kit includes card, interface cables, and hardware.

Implementation

Connector Type: 3-Pin Male XLR (Neutrik NC3MD-H-B)

Suggested Connector Location: Center when viewed from back

Suggested Connector Orientation: Tab on left side when viewed from back





Connections:

Function	On 31204 Card	On Model 220	On Model 230 (Rev C or D PCB)	On Model 230 (Rev E or Later)	On Model 233
Relay A (requires setting DIP switches; see table below)	P11	P10	P17	P16	P16
Relay B (requires setting DIP switches; see table below)	P12	P9	P16	P15	P15
Program Input	P10	P14 (Line In 1) or P15 (Line In 2)	P8 (Line In 1) or P9 (Line In 2)	P8 (Line In 1) or P9 (Line In 2)	P10 (Line In 1) or P11 (Line In 2)
Talkback Input	P9	P6 (Main Out) or P7 (TB Out 1) or P8 (TB Out 2)	P6 (Main Out) or P7 (TB Out)	P6 (Main Out) or P7 (TB Out)	P7 (Main Out) or P8 (TB Out 1) or P9 (TB Out 2)

Configuration Settings:

Function	On Model 220	On Models 230/233
Main (most common)	SW3-7 (↑) SW3-8 (↓)	SW4-5 (↑) SW4-6 (↓)
Talkback 1	SW3-7 (↓) SW3-8 (↑)	SW4-5 (↓) SW4-6 (↑)
Talkback 2	SW3-7 (↑) SW3-8 (↑)	SW4-5 (↑) SW4-6 (↑)