HARRIS WORLD FEED PANEL

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DESCRIPTION

The Harris World Feed Panel is a utility interconnect panel that facilitates interface between an audio system and external audio devices. The WFP provides convenient access to system audio inputs and outputs, and allows connection to both balanced and unbalanced external equipment at various signal levels. Audio outputs are provided at +4dBm and -50dBm (balanced) and -10 dBv (unbalanced). The WFP can accept inputs at +4dBm (balanced) or -10dBv (unbalanced). XLR, TRS, Mini TRS, and RCA jacks are used for interface. The WFP is powered by an external AC power transformer, included.

INSTALLATION

The WFP can be wall mounted in a space equivalent to that of a 3-gang receptacle box. The panel size is 7.5"w X 5.5"h. The minimum cut-out size should be 5.25" w X 3.75" h. The mounting holes are on 3.5"w and 5.0"h centers.

POWER SUPPLY

Power input to the WFP is via P5, a 2-pin connector on the PC board. It should be powered from the transformer supplied.

AUDIO CONNECTIONS

Audio connections to/from the studio are via P6, the 12-pin connector on the PC board, as follows:

PIN #	FUNCTION	CONNECTS TO THESE WFP PANEL CONNECTORS
1	L-Out, GND	L-Out XLRs Pin 1; L-Out TRS-S; L-Out RCA-S; Out Mini TRS-S (Must connect both ends.)
2	L-Out, LO	L-Out XLRs Pin 2; L-Out TRS-R
3	L-Out, HI	L-Out XLRs Pin 3; L-Out TRS-T; L-Out RCA-T; Out Mini TRS-T
4	R-Out, GND	R-Out XLRs Pin 1; R-Out TRS-S; R-Out RCA-S (Must connect at both ends.)
5	R-Out, LO	R-Out XLRs Pin 2; R-Out TRS-R
6	R-Out, HI	R-Out XLRs Pin 3; R-Out TRS-T; R-Out RCA-T; Out Mini TRS-R
7	L-In, GND	L-In XLR Pin 1; L-In TRS-S; L-In RCA-S; In Mini TRS-S
8	L-In, LO	L-In XLR Pin 2; L-In TRS-R
9	L-In, HI L-In	XLR Pin 3; L-In TRS-T; L-In RCA-T; In Mini TRS-T
10	R-In, GND	R-In XLR Pin 1; R-In TRS-S; R-In RCA-S
11	R-In, LO	R-In XLR Pin 2; R-In TRS-R
12	R-In, HI R-In	XLR Pin 3; R-In TRS-T; R-In RCA-T; In Mini TRS-R

Connections to Pins 1 thru 6 feed audio from the studio to the WFP panel. The audio source must be balanced and ground referenced, e.g, an active (transformerless) differential output, OR a transformer output which has a grounded center-tap. Connections to Pins 7 thru 12 feed audio to the studio from the WFP panel. Note that ground wires to Pins 1 and 4 of P6 must be connected at both ends for the WFP to function properly.

GROUNDING: The WFP ground (Pin 2 of P5) is connected to the studio ground within the WFP. The WFP panel is connected to the WFP ground. The panel should NOT be connected to any other ground. The WFP has a Ground Lift switch that disconnects the output source ground (Pin 4 of P6) from the ground pins of all balanced WFP output connectors. It can be used to eliminate ground loops through external equipment which is grounded.

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