

HRS-WFPII-USB World Feed Panel with USB

Quick Guide

Product Description and Use

The World Feed Panel with USB connectivity (WFPII-USB) allows any portable audio device [the USER] to be quickly connected to a pre-assigned input and/or output on an audio console, a VistaMax audio management system I-O card, or other professional audio device [the HOUSE]. The WFPII-USB panel is wired into the HOUSE using balanced analog and/or AES/EBU inputs and outputs.

The USER's portable audio devices, such as handheld audio recorders, laptop computers, DJ Coffins, band mixers, or musical keyboards, plug into one of the front panel XLR/F combo jacks [for balanced XLR or 1/4" TRS signals], mini-stereo TRS jack [for 1/8" or 3.5 mm plug], RCA jacks [for unbalanced consumer devices and for S/PDIF digital connection], or the USB connector. Audio recorders, both balanced and unbalanced, can also be connected. There is also a mic level output for a video camera's balanced microphone input. Even though multiple inputs and outputs can be simultaneously connected, for best results, use only one input and one output at a time.

Installation

The World Feed Panel should be installed in a convenient, easily accessible location, like in a studio furniture equipment rack or in a cabinet wall cutout. The WFPII-USB is a 3RU panel [19" x 5.25"] with an open back. The panel includes three Décor® wall plate cutouts for adding control or connector panels from Leviton, RDL, StudioHub, Hubbel, Parts Express, etc..

The panel is grounded through the ground connections on terminals 3 and 16 of the two Phoenix connectors on the main board. If the audio cable shields are not connected at the panel, then the panel's metal faceplate should be connected to the facility's technical ground.

The WFPII-USB panel is powered by a 12 VDC in-line power supply with a six-foot AC cable [included]. The supply comes pre-connected to one Phoenix connector. The two 9-pin Phoenix connectors [shown in the illustration below] connect audio between the WFPII-USB panel and the HOUSE system

Terminals 1 – 7, on the top Phoenix connector, connect the WFPII-USB panel to a balanced analog and/or digital input on a



console or other studio equipment. Terminals 12 – 18, on the bottom Phoenix Connector, carry the balanced analog and/or digital signals from a console bus, or other studio output, to the WFPII-USB panel.

Leave a minimum of 3" open clearance behind the metal faceplate when mounting the panel, both for easy access to the circuit board's two Phoenix connectors as well as to prevent any contact with the circuit board, which is uncovered. Use care when installing equipment directly behind the WFPII-USB.

Option Jumpers

OPT 1 User Input – Sets how the USER Inputs feed the HOUSE outputs

Jumper 1: When a USER digital input is active, it feeds both HOUSE analog and AES outputs. When a USER digital signal is not active, the USER analog inputs go to the HOUSE AES output.

Jumper 2: When a USER digital input is active, it feeds both HOUSE AES and analog outputs. When a USER digital signal is not active, the USER analog input feeds both HOUSE AES and analog outputs.

Jumper 3: When a USER digital input is active, it feeds the HOUSE AES output. If a USER analog input is also active it feeds the HOUSE analog output. When a USER digital signal is not active, the USER analog input feeds both HOUSE AES and analog outputs.

OPT 2 System Input – Sets how the HOUSE inputs feed the USER outputs.

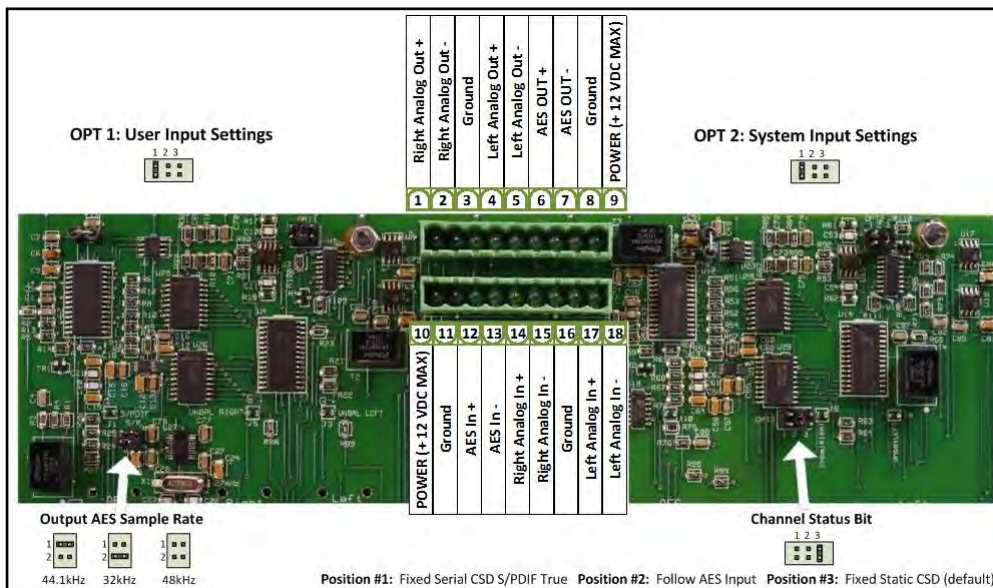
Jumper 1: When a HOUSE AES signal is active, it feeds both USER analog and digital outputs. When a HOUSE AES signal is not active, the HOUSE analog signal feeds only the USER digital output.

Jumper 2: When a HOUSE AES signal is active, it feeds both USER analog and digital outputs. When a HOUSE AES signal is not active the HOUSE analog signal feeds the USER digital and analog outputs.

Jumper 3: When a HOUSE AES signal is active, it feeds the USER digital outputs and the HOUSE analog signal feeds the USER analog outputs. If the HOUSE AES signal is not active, then the HOUSE analog signal feeds both the USER analog and digital outputs.

Output AES Sample Rate – Sets the USER AES output sample rate.

48 kHz [no jumper], 44.1 kHz [jumper 1], or 32 kHz [jumper 2]



WFPII-USB Connectors

Stereo Analog I/O: +4 dBm [XLR/F combo jack/XLRM] or -10 dBv [RCA, unbalanced]

AES-3 Digital I/O: XLR/F combo jack / XLRM

S/PDIF Digital I/O: RCA jacks

1x1 USB I/O: Stereo audio converters, using standard USB audio drivers

Mic level Output: -50 dBm mono [XLRM]

9-Pin Phoenix [x2]: The two connectors mirror one another so the +12 VDC supply can connect to the two end pins on either connector. The Top connector carries audio to the House System. The Bottom connector carries audio from the House System.



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