



RX SERIES MODULE - PHRXM-4AES

AES Digital Audio Input and Output

This module has been designed for AES audio centric installations and allows 4 x AES digital audio pairs to be routed to the Audio Meter and Loudness instruments. This module can also be used to output 4 x AES digital audio pairs from the selected Analyser/Generator module within the Rx chassis.

Compatible with the Rx2000, Rx1000 and Rx500 instruments and extends the existing audio functionality of these instruments.

The 4 x AES digital audio pairs use 75ohm BNC connectors that accept AES sample rates from 32kHz to 192kHz with 20 or 24 bit depth. The module sample rate converts these inputs to provide 48kHz AES audio for use by any installed module within the Rx chassis.

The 75ohm BNC connections are auto-sensing and can be used for both input and output of AES signals.

The AES audio can be accessed by any of the audio instruments of the HDMI monitor output, the AES channels can be mapped to specific stereo pairs, 5.1 and 7.1 groups for measurement and monitoring using audio meters and loudness logging.

FEATURE HIGHLIGHTS

- 4 X AES DIGITAL AUDIO PAIR INPUT/OUTPUT
- 30KHZ - 192KHZ AES SAMPLE RATE INPUT
- 20 AND 24BIT AES SUPPORT
- AUTO-SENSING INPUT/OUTPUTS
- AES ROUTING TO AUDIO AND LOUDNESS METERS

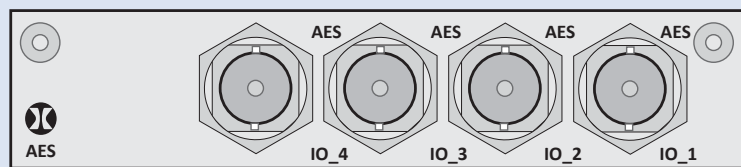
AVAILABLE FOR

- RX 2000 RACK MOUNT INSTRUMENT
- RX 1000 RACK MOUNT INSTRUMENTS
- RX 500 RACK MOUNT INSTRUMENT



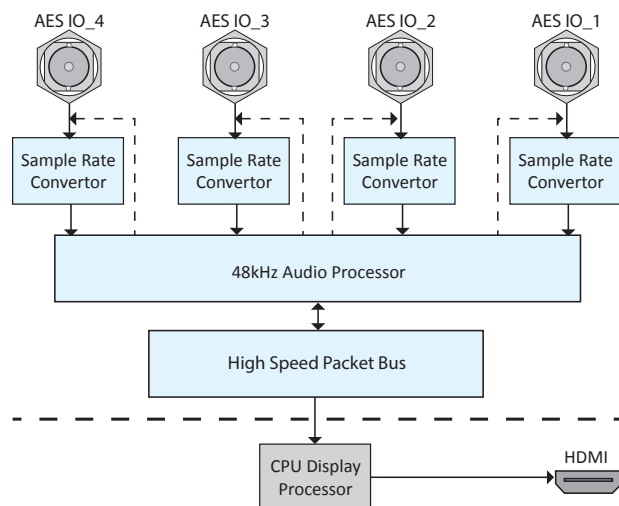
PHABRIX® RX MODULE: PHRXM-4AES

AES Digital Audio Input and Output



AES INPUT/OUTPUT

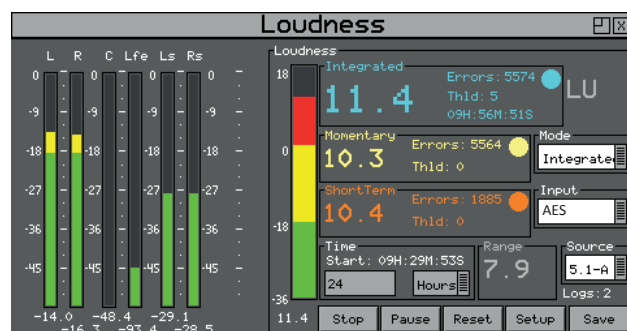
Label	AES IO_1 TO AES IO_4
Connector	4 x BNC
Standard	AES3-4-2009 Annex D "Coaxial transmission"
Input Impedance	75 ohm terminated
Input Return Loss	Better than 15dB (5MHz-1485MHz)
Maximum Input Voltage	+/- 2V
Input Sample Rate	32kHz to 192kHz
Output Sample Rate	48kHz
Input Bit Depth	20bit or 24bit
Output Bit Depth	24bit
Purpose	AES digital audio pair Input and Output



Schematic of the PHRXM-4AES module



Rx500, Rx1000 and Rx2000 with HDMI output



AES Selectable as Loudness Meter input

ORDERING INFORMATION

Product Code	PHRXM-4AES
--------------	------------



PHABRIX® Limited
Omega House, Enterprise Way, Thatcham, Berkshire RG19 4AE
United Kingdom tel + 44 (0)1635 873030
email: info@phabrix.com www.phabrix.com

PHABRIX is a registered trademark.

* Specifications and features described herein are subject to change without prior notice.
Please consult our website www.phabrix.com for the latest data.

