

New Digital Audio Products for 2008 - Press Releases

RDL Introduces 192 kHz Digital Audio Products Packaged in new HALF-RACK Series

Once again, RDL blazes a trail for the A/V, broadcast and recording markets by introducing a full line of 192 kHz digital audio products. Users that aren't yet using 192 kHz can benefit now from the extreme performance enhancements made possible by the industry's leading high speed technology, advanced digital filtering and renowned RDL analog filtering. The loyal following of RDL digital audio users will appreciate the new product inputs and outputs supporting both consumer and professional formats! All these new digital products continue to feature RDL's proprietary Sure-Lok™ auto recovery sentinel for the highest level of stability in professional environments. These products will begin shipping December 1, 2007.

The advanced performance of the new digital audio products is a fitting platform to introduce RDL's latest and most attractive group of chassis and mounting options, the HALF-RACK (HR) series! Just as the name suggests, these products are half-rack-width. Two HR products may be mounted in a single vertical rack space using an RDL [HR-RA2](#) rack adapter.

HR products feature attractive, crisp, full color graphics and colored LEDs giving them an aesthetic appeal unsurpassed by anything ever released in the A/V or broadcast industries. HR products feature a label track that allows the user to custom label the inputs and outputs of the product using a standard clear 0.25" label. These products are also shipped with rubber feet for free-standing applications.

RDL Introduces HR-DAC1 192 kHz Digital to Analog Audio Converter

The HR-DAC1 is the ideal choice in installations requiring high quality analog audio from an AES/EBU, AES-3ID or S/PDIF digital audio source. The HR-DAC1 automatically detects a valid input on any of the four input jacks: S/PDIF optical, S/PDIF coaxial, AES-3ID or AES/EBU. The AES/EBU input is 110 Ω terminated; the S/PDIF coaxial and AES-3ID jacks are 75 Ω terminated. A front-panel LOCK LED indicates the presence of a valid digital audio source without any phase-lock or bit errors. Sample rates from 32 kHz to 192 kHz are supported with front-panel LEDs to indicate standard digital audio rates of 44.1 kHz, 48 kHz, 96 kHz and 192 kHz.

The digital input is converted to stereo audio using high speed delta-sigma conversion, digital filtering and filtered wideband analog drivers. The high performance, low-noise converters are supplemented with digitally controlled analog gating to produce unparalleled performance. The LEFT and RIGHT output levels are individually adjustable using front-panel knobs. A dual-LED VU meter displays the output level of each channel to facilitate level adjustments. Balanced +4 dBu audio outputs are provided on a rear-panel detachable terminal block and on XLR jacks. Unbalanced -10 dBV outputs are provided on phono jacks.

For installations requiring fixed, calibrated output levels, the HR-DAC1 front-panel knobs may be removed and replaced with security covers, available separately (RDL SC-2 Kit of two security caps with tightening tool).

The HR-DAC1 replaces the RDL [RU-AEC1](#) and [RU-SPC1](#) and combines the functions of both products.

RDL Introduces HR-DDA4 192 kHz Digital Audio Distributor

The HR-DDA4 is the ideal choice in installations requiring high quality distribution of a digital audio signal. The input and each of the four outputs support AES/EBU, S/PDIF or AES-3ID formats. The HR-DDA4 automatically detects a valid input on any of the four input jacks: S/PDIF optical, S/PDIF coaxial, AES-3ID or AES/EBU. The input is decoded, reclocked and transmitted to four individually buffered outputs. Front-panel LEDs display the digital audio format and sample

rate of a valid source received without any phase-lock or bit errors.

Each output is switch-selectable to provide an AES/EBU, S/PDIF coaxial or AES-3ID output. The switch enables the appropriate output jack and any required electrical and data format conversion. The AES/EBU input and outputs are 110 Ω terminated; the S/PDIF coaxial and AES-3ID jacks are 75 Ω terminated.

The HR-DDA4 replaces the RDL [RU-AED4](#) and [RU-SPD4](#) and combines the functions of both products.

RDL Introduces HR-DSX4 192 kHz Digital Audio Switcher

The HR-DSX4 is the ideal choice in installations requiring high quality source selection between digital audio signals. Solid-state switching is used to select one of four inputs. Each input may be fed through one of three jacks: S/PDIF optical, S/PDIF coaxial or AES/EBU. AES-3ID sources may be connected to the S/PDIF inputs. The selected input is decoded, relocked and transmitted through the output stage. The output is switch-selectable to provide an AES/EBU, S/PDIF coaxial, S/PDIF optical or AES-3ID output. The switch enables the appropriate output jack and any required electrical and data format conversion. The AES/EBU inputs and output are 110 Ω ; the S/PDIF coaxial and AES-3ID input signals connect through 75 Ω terminated phono jacks.

The front panel features four high-reliability, keyboard-style source selection pushbuttons with corresponding LEDs. Upon selecting a source, the associated input LED lights if a valid digital audio signal is present and flashes if not present. If the button for a selected source is pushed again, all inputs are turned off until the next source selection. A front-panel LOCAL/REMOTE switch enables either the front-panel buttons or the rear-panel remote control terminals provided on detachable terminal blocks. In the REMOTE mode, the HR-DSX4 can be controlled by a variety of RDL remote controls or OEM equipment. When a source is selected, the HR-DSX4 provides a 50 mA open-collector output to control other equipment or modules.

The HR-DSX4 replaces the RDL [RU-AEX4](#) and [RU-SPX4](#) and combines the functions of both products.

RDL Introduces HR-UDC1 192 kHz Universal Digital Audio Converter

The HR-UDC1 is the ideal choice in installations where digital audio signals must be converted between consumer and professional formats. The input and output support AES/EBU, S/PDIF and AES-3ID formats. The HR-UDC1 automatically detects a valid input on any of the four input jacks: S/PDIF optical, S/PDIF coaxial, AES-3ID or AES/EBU. The input is decoded, relocked and transmitted to the output. All pro/consumer, emphasis, and sampling frequency bits common to both S/PDIF and AES/EBU standards are inserted in the output data stream. Front-panel LEDs display the digital audio format and sample rate of a valid source received without any phase-lock or bit errors.

The output is switch-selectable to provide an AES/EBU, S/PDIF coaxial or optical, or AES-3ID output. The switch enables the appropriate output jack and any required electrical and data format conversion. The AES/EBU input and output are 110 Ω terminated; the S/PDIF coaxial and AES-3ID jacks are 75 Ω terminated.

The HR-UDC1 replaces the RDL [RU-UDC1](#).

