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Thu 17 Oct 2013 Archive SubscribeDirectory Contact

Sonifex Release Redbox Passive Splitters

2nd October 2013

New to the ever expanding Redbox range are three products using transformers to provide galvanic splitting of AES3ID, AES/EBU and microphone audio signals.

Richard Butlin, Sales Manager of Sonifex said: "Our new passive splitters use the highest quality audio transformers to give superb galvanic isolation. In our familiar Redbox rackmount case, each product requires no power to operate which ensures that your audio remains connected from source to destinations without interruption from power failures. Theyre also available from stock .

The RB-AES4B3 Quad 3 Way Passive AES3ID Splitter is a passive, quad one-to-three splitter designed to split a single AES3ID digital audio source to up to three destinations, using BNC connectors. Particularly useful in a video production and broadcast environment, the RB-AES4B3 splits the input signal through high quality transformers. 75 termination can be applied to unconnected outputs to maintain optimum carrier parameters.

The RB-AES4X3 Quad 3 Way AES/EBU Splitter has Neutrik XLR connectors and passively distributes a single AES/EBU digital audio source to up to three destinations, four times. It provides solutions to a range of digital signal distribution problems, where correct termination is essential to maintain signal integrity. The input signal is split through high quality transformers and 110 termination can be applied to unconnected outputs.

The RB-MS4X3 Quad 3 Way Passive Microphone Splitter is a passive, quad, one-to-three splitter for distributing a single microphone or line source to up to three destinations, using Neutrik XLR connectors. Cable connections are located on the rear panel, with recessed controls and indicators available to the user on the front panel, allowing quick and easy access to setup parameters.

It uses high quality audio transformers that are capable of accepting input levels of up to +18dBu, making the splitter useful in both microphone and line level splitting applications. A 30dB pad can be applied to the input, allowing a line level signal to be interfaced into a microphone input with suitable levels and the correct termination.

The RB-MS4X3 offers three methods of providing phantom power to a microphone connected to its input: from the external +48VDC power connector; from a microphone amplifier connected to output 1 (direct); and from a microphone amplifier connected to output 2 (phantom loopback). Controlling which method is used to provide phantom power is easy with front panel switches and indicators. It is possible to concurrently power a microphone using any two of the above methods without degrading audio performance, thus providing power supply redundancy.

Also, ground loop hum problems can be quickly eliminated using the front panel toggle switches to lift pin 1 of the output connectors (output 2 and 3 only).

LINK: http://www.sonifex.co.uk/company/press/2013/02102013_redbox_passive_sp...

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