DIGITAL SILENCE DETECTION

Sonifex used this year's NAB show to unveil the Redbox RB-DSD1 digital silence detection unit. This operates in a similar way to its RB-SD1 analogue silence detection unit, but has AES/EBU, S/PDIF and TOSlink inputs and outputs instead of analogue inputs and output respectively.

Designed to switch from one input to another in the event of loss of audio, the unit is suitable at transmitter sites, or after the master output of a studio, to switch in another audio source, or simultaneous broadcast, should a master source fail.

The RB-DSD1 is programmable to account for a number of different switching situations and free of charge SCi remote control software offers even more flexibility.

The unit can switch on loss of level of the main input, on loss of level on one channel of the main input or on loss of synchronisation lock of the main input. It has 2 x digital stereo audio inputs and outputs, with each input selectable via front panel MAIN and AUX push buttons, from either AES/EBU balanced XLRs, S/PDIF unbalanced phonos or TOSlink unbalanced optical inputs. Sample rate converters on each input mean that sources of different sample rates can be used with the output sample rate being defined independently.

Each input is user-defined as either the main source or auxiliary source and both sources are monitored for failure, each having a remote failure alarm.

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