

The Sonifex Redbox RB-TGHDB multi-channel high definition tone generator



The Sonifex Redbox RB-TGHDB is an 8 channel audio tone generator that provides line identification for multi-channel audio systems, including BLITS 5.1 and 7.1 surround sound typically used in high definition television broadcasts. By using a range of widely accepted industry standard tone sequences, channel identification and associated levels can be determined easily. Correct channel configuration in fold-down mixes can also be highlighted when a broadcaster needs to mix several audio channels into a stereo feed.

Available tone sequences include EBU R49, GLITS and BLITS stereo line-up, EBU R49 and BLITS channel identification and a standard Phase check.

It caters for 2, 4, 6 and 8 channel configurations and all of the available audio tone sequences for each channel configuration can be cycled through automatically, or selected manually. A loop mode allows patterns of tones to be repeated. A bank of 4 pushbuttons on the front panel sets these options and the associated LEDs indicate the current setting. A set of

8 LEDs on the front panel indicate audio presence for each output channel.

It is available in two variations, each providing both analogue and digital audio outputs. The RB-TGHDX offers balanced AES/EBU digital audio outputs on 3 pin XLR connectors and the RB-TGHDB has unbalanced digital audio outputs on BNC connectors. Both types also provide 8 balanced analogue outputs on 3 pin XLR connectors.

