



The RM-2S4 and RM-2S10 are both monitor bridges which accept stereo audio sources and have the same high specifications.

shallow unit. A protective limiter prevents damage to the loudspeakers under overload conditions and the front-panel headphone socket automatically mutes the internal loudspeakers when a plug is inserted.

A balance control allows you to alter the stereo imaging of the left and right channels.

A further five-band parametric equaliser can be accessed for room-equalisation purposes via Sonifex SCi Windows-based remote control software. Source selection, status monitoring and unit ID functions, plus firmware updates to add extra functionality,

are all accessible remotely via both USB and RS232 connections. The open control protocol also allows operation with terminal programs or customised applications.

An RM-HD1 HD/SD-SDI input expansion card can be added, allowing multiple AES groups embedded within an HD-SDI or SD-SDI signal to be de-embedded and monitored.

The RM-2S4 operates from global mains voltages (85-264V AC, 47-63Hz).

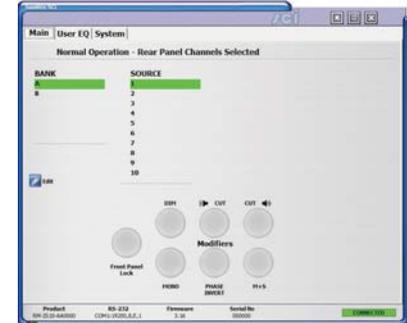
RM-2S10 Reference Monitor, 2 LED Meters, 10 Stereo Analogue & 10 Stereo Digital Inputs

The RM-2S10 has the same extended feature set of the RM-2S4, monitoring stereo channels, but has 10 dedicated stereo analogue and 10 dedicated stereo AES/EBU digital audio sources, with sample rates up to 192kHz accepted.

The RM-2S10 uses 25 way D-type connectors for the audio inputs on the rear panel instead of Neutrik™ XLR connectors.

Sources are still selected via a front panel rotary encoder, but on the RM-2S10 the Source LEDs also act as signal present indicators.

In all other aspects the units have the same feature set.



SCi Software Screen for RM-2S10.



CAUTION: Disconnect the mains supply before removing the equipment covers. This product must be earthed

85V - 264VAC, 47 - 63Hz, FUSE 2A



RM-HD1 Reference Monitor 3G/HD/SD-SDI Expansion Card



Category: Reference Monitor Expansion Cards.

Product Function: Allows the de-embedding of audio channels in a 3G/HD/SD-SDI stream.

Typical Applications: OB truck monitoring of incoming video feed from a sports ground. Post Production monitoring of HD-SD/SDI audio.

Features: Automatic 3G/HD/SD input detection, visual monitoring of all channels in a group, delay of an embedded group with PC configuration.



This expansion board allows the monitoring of embedded non-encoded linear PCM audio channels within a single link 3G/HD/SD-SDI video signal.

The RM-HD1 card can be used with the RM-2S4, RM-2S10 and RM-4C8 monitors.

The expansion board can extract any selected AES/EBU audio group (4 channels) from the video signal and pass them to the

main Reference Monitor unit for monitoring. Any group can be selected and can also be optionally delayed by up to ~300ms by using the Sonifex SCi remote control software. All channels in the selected group can be monitored visually and 2 channels can be selected to be monitored on the speakers (for the RM-2S4 and RM-2S10, stereo pairs are selected; the RM-4C8 allows any 2 channels to be monitored). The input is auto-sensing for either SD, HD or single link 3G input formats and the extraction of embedded audio complies with SMPTE-272 (SD) and SMPTE-299 (HD/3G).

The SDI input is equalized, internally re-clocked and re-transmitted to provide a re-clocked output to pass to external equipment such as another reference monitor.

Technical Specification For RM-HD1

SDI Specification	
SDI Input:	1 x BNC, 3G/HD/SD-SDI
SDI Outputs:	1 x BNC, 3G/HD/SD-SDI, Re-clocked
Impedance:	75Ω
Output Alignment Jitter:	<0.2UI
Output Level:	800mV +/- 10%
Return Loss:	<15dB at 1500MHz
SDI Supported Standards:	270Mbps, SMPTE-259M-C (SD) 1.485 or 1.4835Gbps, SMPTE-292M (HD) 2.97 or 2.967Gbps, SMPTE-424M (3G)
Supported Video Formats:	525/59.94 (SMPTE-125M) 625/50 (ITU-R BT.656) 720p/23.98, 24, 25, 29.97, 30, 50, 59.94, 60 (SMPTE-296M) 1035i/59.94, 60 (SMPTE-260M) 1080i/50, 59.94, 60 (SMPTE-274M) 1080p/23.98, 24, 25, 50, 59.94, 60 (SMPTE-274M) 1080pSF/23.98, 24, 25, 29.97, 30 (RP-211) 1080i/50 (SMPTE-295M) 1080p/50 (SMPTE-295M)
Embedded Audio:	48kHz, synchronous (HD asynchronous) SMPTE-272M-ABC SMPTE-299M

Equipment Type	
RM-HD1:	3G/HD/SD-SDI expansion card
Physical Specification	
Dimensions (Raw):	15cm (W) x 11.5cm (D) x 3.1cm (H) 5.9" (W) x 4.5" (D*) x 1.2" (H) (1U)
Dimensions (Boxed):	22.9cm (W) x 12.7cm (D) x 7.6cm (H) 9.0" (W) x 5.0" (D) x 3.0" (H)
Weight (RM-HD1):	Nett: 0.13kg Gross: 0.4kg Nett: 0.3lb Gross: 0.9lb

		Reference Monitor		
		RM-2S4	RM-2S10	RM-4C8
Expansion Card	RM-HD1	✓	✓	✓
	RM-HDE1	✗	✗	✓
	RM-E1X	✗	✗	✓
	RM-E1B	✗	✗	✓

