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Digital Live
Live
Multi-Purpose
Broadcast
Power Supply Units



SOUNDCRAFT MIXING CONSOLES

RANGE CATALOGUE



Soundcraft®
by HARMAN

The Soundcraft Range

From analogue to digital, live sound to post-production, Soundcraft mixing consoles are built to perform. With professional features, intuitive operation and uncompromised sound quality, Soundcraft consoles are relied upon throughout the professional audio industry, delivering optimum performance time after time.

Drawing from more than 30 years' mixing console design and manufacturing expertise, Soundcraft has developed a unique insight into professional audio requirements. World-class production techniques, combined with extensive testing procedures, ensure that every mixing console is built to the same exacting standards.

A unique collaboration between Soundcraft and our sister company Studer, with processing supplied by Lexicon and BSS Audio, the remarkable Soundcraft



Gert Sanner wraps up a successful Deep Purple tour with Soundcraft® Vi6

Vi Series™ **Digital Live** consoles continue to set the standard for intuitive operator control on tours and installations. Meanwhile, new Soundcraft® Si Series **Digital Live** consoles offer a 'one box' digital mixing solution that simply plugs in where the analogue console used to be, to deliver all the power and operational benefits of digital mixing with minimal upheaval.



Deep Purple keyboardist Don Airey tours with an Si Compact digital mixer

From the highly-specified dual-format MH Series through the value-for-money GB Series and on to the LX7ii,

Soundcraft analogue **Live** consoles combine superb sonic performance with uncompromising build quality, offering exceptional reliability, great flexibility and unprecedented mixing control. In this catalogue, a comparison chart provides an at-a-glance guide to the range's features, simplifying the choice of console for any live application. Comparison charts are also provided for multi-purpose and recording/post-production consoles.

Soundcraft's **Multi-Purpose** console range combines professional facilities and sound quality with exceptional value.



Fabulous Blue Diamonds find a recording gem in Soundcraft LX7ii

Suitable for stage and studio use, these consoles are ergonomically designed, achieving optimum performance from compact frames. With a choice of 6, 8, 12 and 20 mono input frame sizes – each with 2 stereo

channels as standard, the EPM, EFX, MPMi and MFXi Series mixers encompass a massive range of applications. The M Series offers a choice of 4, 8 and 12 mono input frame sizes, each with 4 stereo inputs.

Designed for the varied requirements of on-air, TV and radio production, Soundcraft manufactures a full range of **Broadcast** consoles.



Camp Digital's Journey HD Truck rolls on With Soundcraft® Vi4



A Soundcraft Vi6 mixes FOH at Austria's Donaufestival

This catalogue contains features and specifications and on individual Soundcraft consoles and power supply units. For further information, please contact Soundcraft for a product

information CD (see next page) or an individual product brochure, or visit the Soundcraft website at www.soundcraft.com



Soundcraft has received ISO 9001:2000 certification, following a major investment in our processes and manufacturing facilities

The inclusion of artists in this publication does not imply endorsement.

Also available from Soundcraft

Additional information about the wide range of Soundcraft products can be found by visiting our website at www.soundcraft.com or by requesting an individual product brochure. We have also produced a number of guides and information CD-ROMs, designed to help you quickly find the information you need straight from your desktop.

PRODUCT INFORMATION CDs

Our Product Information CD is PC and Mac compatible and is designed to run on any standard web browser. The information CD features product summary pages, which contain a picture and brief description of each console in the Soundcraft range, together with brochures, technical data and user guides.

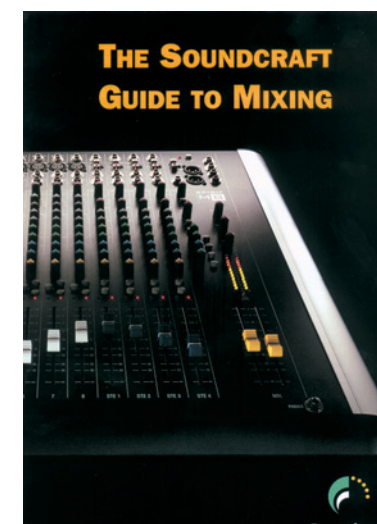


MIXING GUIDES

To help you get the most out of your Soundcraft console, we have produced a mixing guide - The Soundcraft Guide to Mixing - available in booklet, PDF and iPad App formats. The guide contains information on choosing and using your mixer and sound equipment, together with connection and setup guides, mixing techniques, sample applications and troubleshooting. The guide is also available on the Product Information CD as a PDF file.



Soundcraft Guide to Mixing also available as an App



SOUNDRAFT WEBSITE

Our website www.soundcraft.com is updated regularly and provides a great source for all the latest news from Soundcraft. Here you can find useful information in the form of downloadable brochures, user guides, technical data sheets, mark-up sheets, application guides, software updates, logos, images and advertisements. The website also contains contact information for all sales, technical support and service enquiries.

For further information, please contact our Marketing Department on +44 (0)1707 665000 or via email at soundcraft@harman.com



Soundcraft Vi Series™

Soundcraft

Vi2™

DIGITAL LIVE SOUND CONSOLE

Soundcraft

Vi4™

DIGITAL LIVE SOUND CONSOLE

Soundcraft

Vi6™

DIGITAL LIVE SOUND CONSOLE



- Digital live sound consoles with highly intuitive operation
 - Vistonics™ II touchscreen interface relieves the burden of complex mental mapping
 - FaderGlow™ illumination of fader tracks for at a glance status display
 - Vi6 offers simultaneous mixing of up to 96 inputs into 35 outputs, with 24 insert send/return pairs assignable to any of the input or output channels
 - Vi4 offers simultaneous mixing of up to 72 inputs into 35 outputs, with 24 insert send/return pairs assignable to any of the input or output channels
- Vi2 uses standard stagebox/local rack hardware to handle as many inputs as Vi4 and Vi6 on compact control surface with 8 input faders
 - 32 Group/Aux/Matrix busses
 - 40-bit floating point digital audio processing
 - Cat5 or Cat7 connection to remote stagebox
 - Optional Fibre Optic interface
 - Lexicon / BSS Audio processing

TYPICAL SPECIFICATIONS

Frequency Response	Stagebox Mic input to Line output +0/-1dB, 20Hz-20kHz AES/EBU In to AES/EBU Out +0/-0.2dB, 20Hz-20kHz
T.H.D. & Noise 22Hz-22kHz	Stagebox Mic In (min gain) to Local Line Out <0.003% @ 1kHz Stagebox Mic In (max gain) to Local Line Out <0.020% @ 1kHz Local Line In to Line Out (max gain) <0.003% @ 1kHz
Mic Input E.I.N.	22Hz-22kHz bandwidth, unweighted <-126dBu (150Ω source)
Residual Noise	Stagebox line output; no inputs routed, Mix fader @0dB -95dBu
CMRR	Stagebox Mic input 80dB @ 1kHz
Sampling Frequency	..... 44.1kHz, 48kHz (96kHz with DSP upgrade, when available)
Latency	Stagebox Mic Input to Local Line output < 2ms @48kHz
AES/EBU Input Sample Rate	..... 32-108kHz (with SRC enabled)
DSP resolution	..... 40-bit floating point
Internal clock	Accuracy < +/-50ppm Jitter < +/-5ns
External Sync	..... BNC Wordclock, AES/EBU sync in, Video sync in
Oscillator	..... 20Hz to 20kHz/Pink/White Noise, variable level
Stagebox HP Filter	..... 80Hz fixed, 12dB per octave
Channel HP filter	..... 20Hz-600Hz, 18dB per octave
Channel LP filter	..... 1kHz-20kHz, 18dB per octave
EQ (Inputs and bus Outputs)	HF: 20Hz-20kHz, +/-18dB Hi-Mid: 20Hz-20kHz, +/-18dB Lo-Mid: 20Hz-20kHz, +/-18dB LF: 20Hz-20kHz, +/-18dB Q 0.3-8.7
Metering	Internal 20-segment LED bargraphs plus 9-segment gain reduction meters for all inputs and Outputs. Peak hold variable from 0-2s.

Mains Voltage operating range	..... 90-264V, 47-63Hz, autoranging
Mains Power Consumption	Control Surface: 155W (165W redundant option) Local Rack: 140W (150W redundant option) Stagebox*: 140W (150W redundant option)

DIMENSIONS & WEIGHT

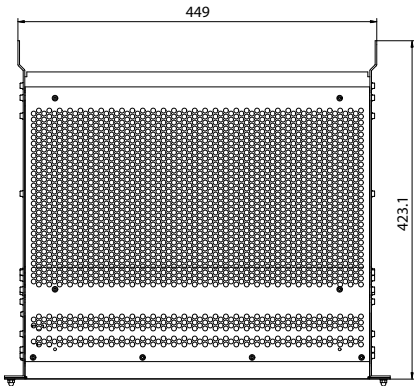
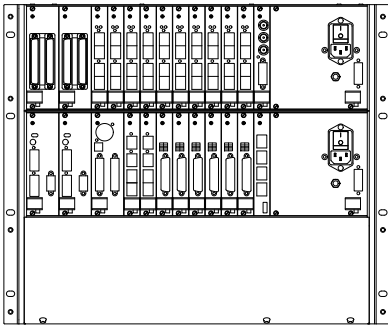
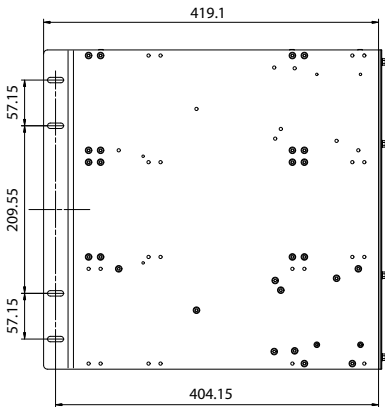
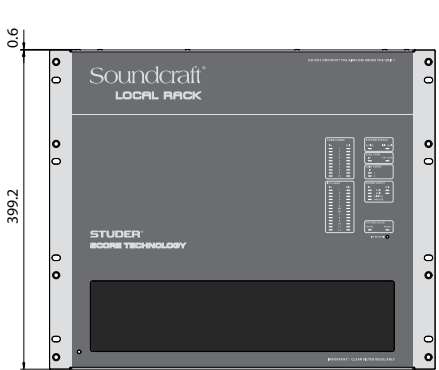
Height	Control Surface (Vi6/Vi4/Vi2 - uncased) 326.4mm (12.9") Local Rack* 780mm (30.7") Stagebox* 780mm (30.7")
Width	Control Surface (Vi6 - uncased) 1757mm (69.2") Control Surface (Vi4 - uncased) 1447mm (57.0") Control Surface (Vi2 - uncased) 846mm (33.3") Local Rack* 568mm (22.3") Stagebox* 568mm (22.3")
Depth	Control Surface (Vi6/Vi4/Vi2 - uncased) 725.1mm (28.5") Local Rack* 754mm (29.6") Stagebox* 754mm (29.6")
Weight	Control Surface (Vi6 - uncased) 63kg (140lbs) Control Surface (Vi4 - uncased) 52kg (115lbs) Control Surface (Vi2 - uncased) 31.5kg (70lbs) Local Rack* 50kg (110lbs) Stagebox* 50kg (110lbs)

* Standard Flightcase

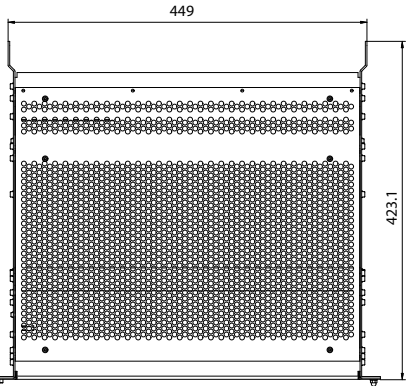
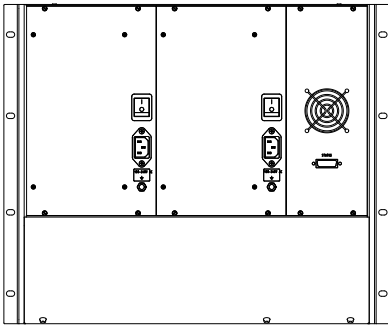
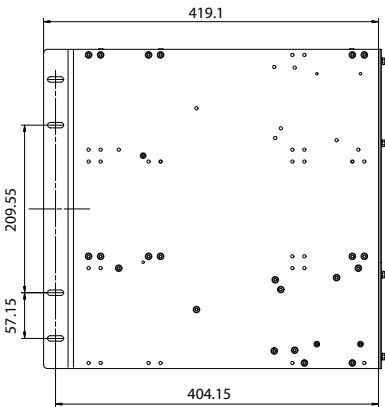
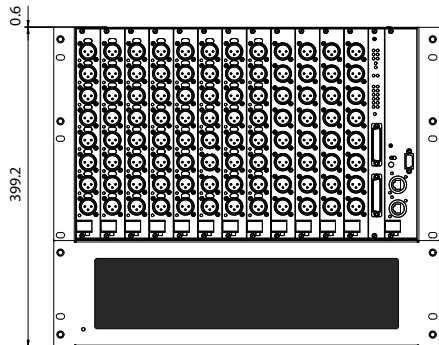


LOCAL RACK AND STAGEBOX CONNECTIONS

Local Rack



Stage Box



Digital Live

Soundcraft Vi1™



Remote Control
App available
early 2012

- 64 inputs to mix
- 32 mono mic inputs
- 4 AES inputs and 2 S/PDIF inputs
- 2 x D21m option slots for additional I/O formats
- 4 dedicated FX returns
- 24 Group/Aux/Matrix busses, plus LRC
- 8 VCA Groups and 4 independent Mute Groups

- 4-band fully parametric EQ on every input and output, with HPF on every input
- 27 full 30-band BSS Audio graphic equalisers
- 4 independent stereo Lexicon FX processors
- Compressor and gate on every input, compressor on every output
- Delay adjustable on every input and output
- Optional Redundant PSU

TYPICAL SPECIFICATIONS

Frequency Response	Mic input to Line output+0/-1dB, 20Hz-20kHz AES/EBU In to AES/EBU Out+0/-0.2dB, 20Hz-20kHz
T.H.D. & Noise 22Hz-22kHz	Mic In (min gain) to Line Out<0.003% @ 1kHz Mic In (max gain) to Line Out<0.020% @ 1kHz
Mic Input E.I.N.	22Hz-22kHz bandwidth, unweighted<-126dBu (150Ω source)
Residual Noise	Line output; no inputs routed, Mix fader @0dB-91dBu
CMRR	Mic input 80dB @ 1kHz
Sampling Frequency	. . . . . 48kHz
Latency	Mic Input to Line output < 2ms @48kHz
DSP resolution	. . . . . 40-bit floating point
Internal clock	Accuracy < +/-50ppm Jitter < +/-5ns
External Sync	. . . . . BNC Wordclock, AES/EBU sync in, Video sync in
Input & Output Levels	Mic Inputs +25dBu max Line Inputs +22dBu max Line Outputs +22dBu max Nominal Operating Level 0dBu (-18dBFS)
Input & Output Impedances	Mic Inputs >6 kOhms Line Outputs <75 Ohms AES/EBU Outputs 110 Ohms
Oscillator	. . . . . 20Hz to 20kHz/Pink/White Noise, variable level
Channel HP filter Channel LP filter	. . . . . 20Hz-600Hz, 18dB per octave 1kHz-20kHz, 18dB per octave
EQ (Inputs and bus Outputs)	HF: 20Hz-20kHz, +/-18dB, Q= 0.3-8.7 or shelving Hi-Mid: 20Hz-20kHz, +/-18dB, Q= 0.3-8.7 Lo-Mid: 20Hz-20kHz, +/-18dB, Q= 0.3-8.7 LF: 20Hz-20kHz, +/-18dB, Q= 0.3-8.7 or shelving

Metering	Internal 11-segment LED bargraphs plus 4-segment gain reduction meters for all Inputs and Outputs. Peak hold variable from 0-2s.
Mains Voltage operating range	. . . . . 90-264V, 47-63Hz, autoranging
Mains Power Consumption	. . . . . 100W
Temperature/ Humidity Range	Operating Temperature Range 0°C – 45°C (32°F – 113°F) Relative Humidity . . . 0% – 90%, non-condensing Ta=40°C (104°F) Storage Temperature Range -20°C – 60°C (-4°F – 140°F)

DIMENSIONS & WEIGHT

Height	. . . . . 394mm (15.5")
Width	. . . . . 1034mm (40.7")
Depth	. . . . . 711mm (28")
Weight	. . . . . 37kg (82lb)

Soundcraft® Si+ Series



Pictured : Si2+

- 80 inputs to mix (Si3+ and Si2+)/72 inputs to mix (Si1+)
- 64 mono mic inputs (Si3+)/48 mono mic inputs (Si2+)/32 mono mic inputs (Si1+)
- 4 stereo inputs and 4 dedicated FX returns, plus 8 assignable external inserts
- 24 Group/Aux/FX busses
- 8 Matrix busses with sends from all Group, Aux, FX and Main L/R/C busses

- 12 VCA Groups and 8 independent Mute Groups
- 4-band fully parametric EQ on every input and output, with HPF on every input
- 35 full 30-band BSS Audio graphic equalisers
- 4 independent stereo Lexicon FX processors
- Compressor and gate on every input, compressor on every output
- Delay adjustable on every input and output
- Metering for every Group/Aux/FX, Masters and Monitors/Solo
- Full DSP horsepower to handle all functions at any time.

TYPICAL SPECIFICATIONS

Frequency Response	Mic input to Line output+0/-1dB, 20Hz-20kHz Stereo input to master output+0/-0.5dB, 20Hz-20kHz
T.H.D. & Noise 10Hz-22kHz	Mic In (min gain) to Bus output0.006% @ 1kHz Mic In (max gain) to Bus output0.008% @ 1kHz Stereo input to master output0.005% @ 1kHz
Mic Input E.I.N.	22Hz-22kHz bandwidth, unweighted<-126dBu (150 Ohms source)
Residual Noise	Master output; no inputs routed, Mix fader @0dB <-88dBu
CMRR	. . . . . 80dB @ 1kHz Mic input
Sampling Frequency	. . . . . 48kHz
Convertor Resolution	. . . . . 24 bit
Latency	Mic Input to Bus output < 1ms @48kHz
AES/EBU Input Sample Rate	. . . . . 32-108kHz (with SRC enabled)
DSP resolution	. . . . . 40-bit floating point
Internal clock	Accuracy < +/-50ppm Jitter < +/-5ns
Input & Output Levels	Mic Inputs +26dBu max Stereo Inputs / Returns +28dBu max Bus Outputs +22dBu max Nominal Operating Level 0dBu (-22dBFS)
Input & Output Impedances	Mic Inputs 6.8 kOhms All other analogue Inputs >10 kOhms Line Outputs <75 Ohms
Oscillator	. . . . . 20Hz to 20kHz Sine/Pink Noise, variable level

Filters	Channel HP Filter 22Hz-1kHz, 18dB per octave Channel LP Filter 500Hz-20kHz, 18dB per octave
EQ (Inputs and Bus Outputs)	HF 22Hz-1kHz, +/-15dB, Q=0.3-6.0 or Shelving Hi-Mid 22Hz-1kHz, +/-15dB, Q=0.3-6.0 Lo-Mid 22Hz-1kHz, +/-15dB, Q=0.3-6.0 LF 22Hz-1kHz, +/-15dB, Q=0.3-6.0 or Shelving
Metering	. . . . . Internal 14-segment LED bargraphs 12-section plus 9-section gain reduction OLED meters for all Inputs
Mains Voltage operating range	. . . . . 90-264V, 47-63Hz, autoranging
Mains Power Consumption	. . . . . 400W
Temperature/ Humidity Range	Operating Temperature Range 0°C – 45°C (32°F – 113°F) Relative Humidity . . . 0% – 90%, non-condensing Ta=40°C (104°F) Storage Temperature Range -20°C – 60°C (-4°F – 140°F)

DIMENSIONS & WEIGHT

Height	Si1+ 340mm (13.4") Si2+ 340mm (13.4") Si3+ 340mm (13.4")
Width	Si1+ 1202mm (47.3") Si2+ 1414.8mm (55.7") Si3+ 1684.6mm (66.3")
Depth	Si1+ 791mm (31.1") Si2+ 791mm (31.1") Si3+ 791mm (31.1")
Weight	Si1+ 38kg (84lb) Si2+ 48kg (106lb) Si3+ 61kg (134lbs)

Soundcraft® Si Compact

Soundcraft®
Si COMPACT
DIGITAL LIVE SOUND CONSOLE



Si Compact 16 – 32 inputs to mix
Si Compact 24 – 40 inputs to mix
Si Compact 32 – 40 inputs to mix



Remote Control
App available
early 2012

- 16, 24 and 32 mono input frame sizes
 - 4 stereo channels
 - 14 mono Aux busses
 - User-assignable fader layers
 - 4 external inserts (24,32 only)
 - 4 FX busses
- 4 Matrix busses
 - LRC mix busses
 - 4 stereo Lexicon effects engines
 - 4 Mute groups
 - Option cards available for MADI, CobraNet®, AES/EBU, Aviom A-Net®
 - Harman HiQnet integration

TYPICAL SPECIFICATIONS

Frequency Response	Mic input to Line output	+0/-1dB, 20Hz-20kHz
	Stereo input to master output	+0/-0.5dB, 20Hz-20kHz
T.H.D. & Noise 10Hz-22kHz	Mic In (min gain) to Bus output	.0006% @ 1kHz
	Mic In (max gain) to Bus output	.0008% @ 1kHz
	Stereo input to master output	.0005% @ 1kHz
Mic Input E.I.N.	22Hz-22kHz bandwidth, unweighted	<-126dBu (150 Ohms source)
Residual Noise	Master output; no inputs routed, Mix fader @0dB	<-88dBu
CMRR		80dB @ 1kHz Mic input
Sampling Frequency		48kHz
Convertor Resolution		24 bit
Latency	Mic Input to Bus output	< 1ms @48kHz
DSP resolution		40-bit floating point
Internal clock	Accuracy	< +/-50ppm
	Jitter	< +/-5ns
Input & Output Levels	Mic Inputs	+23dBu max
	Stereo Inputs / Returns	+22dBu max
	Bus Outputs	+22dBu max
	Nominal Operating Level	0dBu (-22dBFS)
Input & Output Impedances	Mic Inputs	6.8 kOhms
	All other analogue Inputs	>10 kOhms
	Line Outputs	<75 Ohms
Oscillator		20Hz to 20kHz Sine/Pink Noise, variable level

Filters	Channel HP Filter	22Hz-1kHz, 18dB per octave
EQ (Inputs and Bus Outputs)	HF	800Hz-20kHz, +/-15dB, Shelving
	Hi-Mid	22Hz-20kHz, +/-15dB, Q=0.3-6.0
	Lo-Mid	22Hz-20kHz, +/-15dB, Q=0.3-6.0
	LF	22Hz-1kHz, +/-15dB, Shelving
Metering	7 x 8 segment meters for selected channel/bus, masters & monitors	Each fader strip offers 4 segment level plus gain reduction & Gate Closed status
Mains Voltage operating range		90-264V, 47-63Hz, autoranging
Mains Power Consumption		200W
Temperature/ Humidity Range	Operating Temperature Range	0°C – 45°C (32°F – 113°F)
	Relative Humidity	0% – 90%, non-condensing Ta=40°C (104°F)
	Storage Temperature Range	-20°C – 60°C (-4°F – 140°F)

DIMENSIONS & WEIGHT

Height	Si Compact 16	168mm (6.6")
	Si Compact 24	168mm (6.6")
	Si Compact 32	168mm (6.6")
Width	Si Compact 16	445mm (17.5") (482mm/19" with rack kit)
	Si Compact 24	716mm (28.2")
	Si Compact 32	928mm (36.5")
Depth	Si Compact 16	520mm (20.5")
	Si Compact 24	520mm (20.5")
	Si Compact 32	520mm (20.5")
Weight	Si Compact 16	11.8kg (26lb)
	Si Compact 24	15.5kg (34lb)
	Si Compact 32	19.2kg (42lbs)

Soundcraft® Compact Stagebox



The Compact Stagebox is an extension to the range of Soundcraft digital live sound consoles, and adds a low-cost expansion option to the Soundcraft Vi Series, Soundcraft Si Series, Soundcraft Vi1™ and Soundcraft® SI Compact.

The Soundcraft Compact Stagebox offers a high density of I/O connections in only 4U of rack space. The modular unit offers as standard 32 mic/line inputs, 8 line outputs, 8 channels of AES/EBU outputs and 2 expansion slots for standard Studer D21m I/O cards. The D21m is the I/O architecture for Studer as well as Soundcraft digital mixing systems and allows connection to most popular digital formats, including CobraNet®, AVIOM A-Net®16, Ethersound, ADAT and RockNet. A MADI recording interface can also be fitted to the expansion slots.

The Compact Stagebox is connected to the host console using either Cat-5 or Optical-fibre MADI, the same way as the larger 64 Mic/line Vi6 Stagebox is hooked up, and shares the same redundant MADI cable capability.

Cat5 version: E947.350000
Optical version: E947.351000

As well as the flexibility of the D21m option card interface, the Compact Stagebox also uses the same Mic/line I/O modules as found in the Soundcraft Vi1 console, and as a result it is possible to move or share modules between console and stagebox, should a different configuration of I/O be required on either the Vi1 or the Stagebox.

For example, the 8 line out/AES card from the Stagebox could be fitted to the Vi1 console in place of a 16ch line output card. Alternatively, the mic input modules can be replaced with output modules if large numbers of outputs are required.

When fitting cards to the expansion slots it should be noted that the maximum input and output capacity of the CSB is limited by the MADI console link to 64 in/64 out.

The unit comes complete with twin redundant power supplies, thermostatically-controlled fan cooling and full LED status monitoring. An 8ch GPIO interface is also provided.

The Compact Stagebox is ideal for existing owners of Vi Series consoles as a cost-effective method of expanding the input capability by expanding to up to 96 mic/line analogue inputs from remote stageboxes, or as a partner for the Vi1 and Si range of consoles providing cost-effective remote I/O capability in conjunction with the optional MADI interface cards available for those consoles.