

The **STUDER STAGEBOX** Range

Affordable High Quality And Density

A Studer digital mixing system consists of several elements: The control surface from the OnAir or Vista range, a local rack containing the SCore Live processing engine, and one or multiple D21m I/O frames.

The well-received D21m high-density I/O system (above right, integrated with an SCore Live) allows selection from a comprehensive range of analog or digital input and output cards for convenient interfacing with the format you need, as well as GPIO open-collector or contact-closure cards for control requirements. For more information on the D21m I/O system please refer to the document BD10.275102.

In addition, a selection of stageboxes may be connected – either assembled from the D21m system, or from the new Studer Stagebox range.

Pristine sound quality is assured by a combination of ultra-low noise, transformer-balanced mic amps and Studer advanced 40-bit floating point digital audio processing. All input channels can have direct outputs in addition to their internal routing to Group/Aux/Matrix busses, and to the main 5.1, LCR, LR or mono busses.

Complete security is provided by diagnostics of the separate control surface, local rack and stagebox power supplies from the mixing position, with the facility to add second redundant supplies to each.

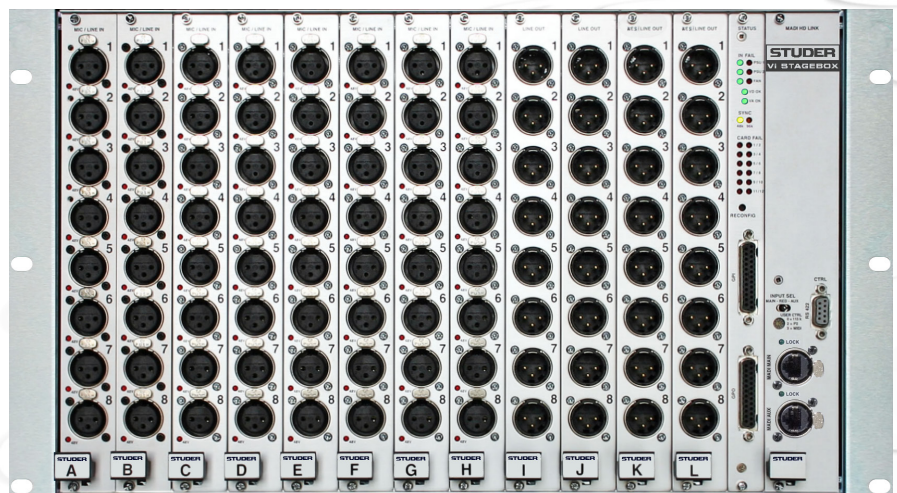
The stageboxes conveniently connect to the local rack via Cat5 or Cat7 cable, with fibre optical



interfacing available as an option. Up to 5 stageboxes can be connected to create a digital patchbay from which the engineer can select available inputs. A series of optional interface cards, designed to fit either the local rack or stagebox, enable the consoles to directly interface with a wide range of other systems and audio networks using industry standard protocols.

The Vi Stagebox

The 6U Vi Stagebox (below) houses 64 transformer-balanced mic/line inputs and 32 analogue line outputs. Mic/line amp gain, 48 V phantom power and 100 Hz lo-cut filter before the A-D converters can be controlled remotely from the desk. Optional AES/EBU, CobraNet®, Ethersound® or Aviom A-Net® 16 cards are available.



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64-channel MADi I/O via RJF connectors is fitted as standard for the link to the SCore Live. The unit comes complete with twin redundant power supplies, thermostatically-controlled fan cooling and full LED status monitoring. An 8-channel GPIO interface is also provided. Cat5 or Cat7 cables with Amphenol RJF connectors provide a convenient, highly robust connection between

The Compact Stagebox

The Compact Stagebox adds a cost-effective expansion option, offering a high density of I/O connections in only 4U of rack space. The modular unit is fully configurable but is offered with a standard configuration of 32 mic/line inputs and 16 line outputs. It is possible to equip the Compact Stagebox with an additional 16 mic/line input module instead of the output module, then providing 48 inputs. In this case, analogue or AES/EBU outputs can still be obtained on D-Type connectors via D21m cards fitted to the expansion slots.

The expansion slots for standard Studer D21m I/O cards may be used for interfaces connecting to most popular digital formats, including CobraNet® or Aviom A-Net® 16, Ethersound, ADAT, TDIF, SDI (SD/HD/3G), Dolby® E and Dolby® Digital. A MADi recording interface can be fitted to the expansion slots as well.

The Compact Stagebox is connected to the host console using either Cat5/7 or Optical-fibre MADi, the same way as the larger 64 mic/line

the stagebox(es) and the SCore Live local rack. Flexible, reel-mounted Cat5 cabling enables the mixing position to be located up to 100 metres from the stage, while Cat7 increases that distance by 30 metres in fixed installations. In larger venues and installations, an optional optical-fibre SC interface allows a run of up to 1.5 kilometres between the stagebox and the local rack.

Available I/O modules (optional):

- 8-channel XLR Mic/Line In
- 8-channel XLR Line Out
- 8-channel XLR AES/EBU In
- 8-channel XLR AES/EBU Out
- CobraNet® 32-channel In/Out
- Aviom A-Net® 16-channel Out
- Ethersound® 64-channel In/Out.

Note: The Studer Vi Stagebox is not supported by Studer OnAir systems.



input Vi Stagebox is hooked up, and it shares the same redundant MADi cable capability. The unit comes complete with twin redundant power supplies, thermostatically-controlled fan cooling and full LED status monitoring. An 8-channel GPIO interface is also provided.

Available I/O modules (optional):

- 16-channel XLR Mic/Line In
- 16-channel XLR Line Out
- 8-channel XLR Line Out + 4x2-channel AES/EBU Out

Available D21m I/O expansion cards (optional):

- 4-channel D-type Mic/Line In with 4 Direct Outputs

- 8-channel D-type Line In
- 8-channel D-type Line Out
- * 8-channel D-type AES/EBU In/Out
- * MADi (RJ45 or optical SC), max. 64 channels of I/O
- 16-channel ADAT In/Out (optical)
- * 16-channel TDIF In/Out (D-type)
- 8 to 16-channel SDIF (SD/HD/3G) In or I/O on BNC sockets
- 8 or 16-channel Dolby® E/Digital In on BNC sockets
- CobraNet® 32-channel In/Out on RJ45 sockets
- Aviom A-Net® 16-channel Out on RJ45 sockets
- * Ethersound® 64-channel In/Out on RJ45 sockets (* double-width cards)

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