

Studer Vista 8

Vistonics: pushing the limits of ergonomic design!

Live Production and Broadcast Console



The new Studer Vista 8 Digital Live Production Console represents another leap in ergonomic design and operational ease. Following on from the enormously successful Vista 6 and 7, the Vista 8 similarly incorporates the world-wide acclaimed Vistonics User Interface, but this time has extended the concept to provide unmatched output metering and control and a host of other groundbreaking features.

The Vista 8 combines and extends the powerful broadcast features of the Vista 6 with the dynamic automation of the Vista 7 to offer a highly sophisticated and flexible multipurpose live broadcast desk. The new Control Bay design offers more faders in a smaller footprint making it ideal for both

fixed install broadcast and OB van applications. In addition, a sophisticated snapshot system and dedicated mute groups make this also the perfect choice for fixed install live applications such as concert halls and theatres.

Acclaimed Vistonics User Interface
Revolutionary and unique Output Control
Stunning Metering
Static and Dynamic Automation
Full Redundancy of Control System

Vistonics® – the Key to Efficient Console Operation

The Studer Vista 8 incorporates the unique Vistonics® user interface which ensures quick and easy console operation – the key to a trouble-free live transmission.

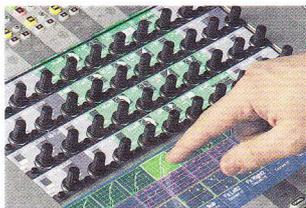
The operating desk consists of one Control Bay with 12 faders and from two to six Channel Bays providing a total of from 32 to 72 physical faders. Each Channel Bay accommodates 10 faders (100 mm), the unique Vistonics screen, additional assignable rotary encoders at the top of the channels, plus additional buttons and controls. Each channel includes a high resolution colour dual bar graph meter with additional gain reduction displays for the compressor/limiter and expander/gate at the same time.

Touch'n'Access

The Vistonics patented technology for integrating rotary controls and buttons within a flat screen display brings visualization and operation into immediate proximity. The operator touches the desired function overview and is given immediate access to all available controls. There are no submenus – every parameter is just one button-press away.

Vistonics Operation

A simple touch on the desired function of the chosen channel opens up the complete function onto Vistonics. The operator can immediately adjust values simply by using the adjacent controls.



Fast Copy/Paste and Half-Lit Keys

The console incorporates dedicated copy/paste keys for each audio function including EQ, dynamics, panorama and delay. A simple button-press in the original channel and another in the target channel copies the settings across. Copy/Paste is guided by half-lit buttons. Setting up the Studer Vista 8 for a live transmission as well as changing settings due to unexpected occurrences becomes a quick and easy task.

Scrolling / Layers

DSP channels not visible on the physical desk are accessed by scrolling the channels available in the DSP core. This ensures physical orientation on the desk so that the operator is always clearly informed as to what is happening. In addition, each fader can individually be flipped to a second layer for fast and immediate access to emergency channels such as backup microphones.

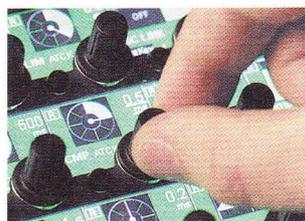


Momentary/Latching Activation of all Buttons

The console senses the duration of the button push and provides either momentary or latching operation depending on whether the button is held down or briefly tapped. This dual mode also operates on the touch-screens.

Ganging

The ganging function in the mixer allows the operator to quickly apply functions to multiple channel strips because channels within the gang act as one. Creating a gang across the whole console makes the set-up quick and easy.



Your Live Production - Totally under Control

The ease of operation in the Channel Bays is replicated in the Control Bay with a unique and intuitive concept of output channel operation.

The acclaimed Vistonics operational concept is based on the fundamental principle of 'where you look is where you control', as in the familiar channel strip operation previously enjoyed by operators using analogue consoles. For Vista 8 the challenge was to extend the concept even further.

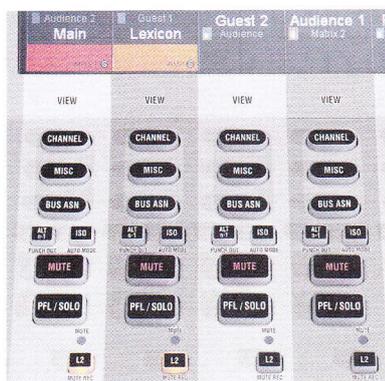
Unique Output Control

The usual basis for console design is input channel control and here Vistonics provides fast and intuitive operation with an unequalled visual overview. The control requirements for outputs differ from those for inputs in several important ways. Excellent metering and fast adjustment of the output channels and also of the contributing channels are essential. The Studer Vista 8 offers a unique and revolutionary operational concept for controlling outputs.



The Control Bay houses a Vistonics Screen with 40 rotaries and switches and 12 faders, 10 of which line up with the Vistonics rotaries as in the channel strips, and may be used for controlling output channels, group and VCA masters or even input channels if required, with multiple assignment. A "CONTRIB" button above each fader provides reverse bus interrogation, allowing the user to instantly call up all of the channels contributing to a particular master onto the

Vistonics Screen, and also to control them directly via the rotaries without having to go to the input channel strips. As each rotary level control is immediately adjacent to its associated meter, which includes headroom and overload indication, the operator's reaction is completely intuitive – 'where you look is where you control!' The other 2 faders are dedicated as "grand masters", and can be assigned to one channel each.



In addition to the 12 faders and Vistonics screen, the Control Bay houses all general and global controls as well as a set of 8 freely assignable high resolution dual bar graph meters including a dual dynamics readout. Each of the meters can be independently switched to display monitored sources, PFL and Solo. A wide range of optional third party and Studer meters can be fitted into the meter section instead of the standard meters, and four 190mm DIN-style cassette spaces are also available for individual meters, machine control, third-party intercom etc.. A single dual motorized joystick is also available for surround panning and VSP operations.

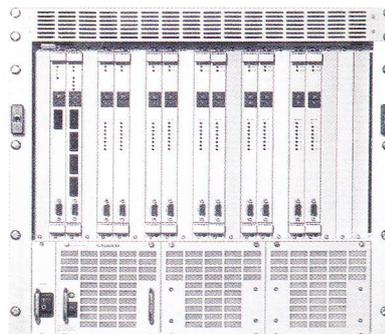
Monitoring and Talkback

Control room monitoring supports standards from LR, LCR to LCRS and 5.1 (optionally up to 7.1 and Dolby EX). The monitor source

selector provides access to a large number of sources which can be accessed either directly via the push-buttons or via a pop-up menu on the external Graphical Controller. Two studio areas can be fed independently with the required monitoring sources. An extensive talkback system is provided on the Vista 8 with dedicated TB buttons on each channel strip in addition to a global switch in the control bay. 24 GPIs and 16 GPOs are available as an option for controlling external equipment and signalling circuits.

DSP-Core

The DSP core of the Studer Vista 8 uses Studer's well-proven digital technology, with its excellent reliability record which inspires a high degree of confidence in the numerous users of systems operating in mission-critical applications. The DSP core uses parallel processing architecture with integrated floating point circuitry and an internal word length of 40 bits. No overloads will ever occur within the console, since floating point architecture is used in the summing buses. The system can be used in 48 kHz or 96 kHz mode.



IO System

The Vista 8 uses the Studer D21m I/O system which provides a flexible and expandable high density 96kHz capable audio interface and also acts as an I/O hub for the Vista DSP Core. Remote stageboxes may be connected via this hub using MADI fibre connections, enabling large numbers of microphone sources in either studios or OB locations to be connected to the console and selected to the desired channels using the console's internal DSP router. The D21m 3U stagebox can accommodate up to 48 mic inputs and may be shared between multiple consoles.



Peace of mind

With any live desk, redundancy is an essential feature to ensure constant 24/7 operation. In addition to RAID drives, optional redundant power supplies throughout the whole system and DSP redundancy with automatic switching, the Vista 8 also offers full redundancy for the Control System. This means that in the unlikely event of a Control System problem, the user can switch to the redundant system and - most importantly - return to the desk settings in use previously. Backups of the mixer settings may also be made on CDR or on a memory stick via the USB port on the front panel.

Stress Free Live Operation

In the last few minutes before the studio goes on-air or the show starts, stress is at its highest and many things are happening at once. Clear and fast console operation is essential. Problems with outside sources often induce a high stress factor; setting up the correct return feeds and talkback on-air needs to be as simple as possible. In some cases the n-l feed may not be what the outside source wants to hear while waiting to go on-air. The Vista 8 offers a switch per channel that automatically sends the outside source an alternative signal to the n-l whilst the outside source is not on-air. When the outside source is put on-air (fader opened), the correct n-l feed is automatically switched to the outside source. In addition, a number of outside sources are able to talk offline together in a conferencing mode, with the outside source being automatically removed from the conference and sent the correct n-l feed when put on air, and n-x feeds may also be easily generated. Outside sources made simple - stress free operation!

The Complete Package

The Studer Vista 8 Digital Console offers quite simply the 'best user interface on the market' combined with a live production feature set unequalled by any other console. An incredible level of flexibility in both system design and DSP, full redundancy options and the renowned Studer Sound ensures that the Vista 8 is the only possible choice for your next console.

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