

# Studer Vista 6

## Digital Mixing Console Operation takes a Quantum Leap



The Studer Vista 6 is a digital mixing console for live broadcasting applications that reaches far beyond the limitations of existing designs. Together with the Studer Vista 7 it's the first digital mixer incorporating an unique ergonomic operating concept that extends throughout the whole console. The unique and revolutionary Vistonics™ (pat. pend.) user interface provides instant overview as well as immediate access to critical controls, making operation quick, easy and safe.

When familiarizing yourself with the Studer Vista 6, you'll soon discover that you already know how to operate this console. Even freelance hired engineers will quickly find their way among the numerous exciting new features. In general, operators in live transmission will work with full confidence since the user interface reduces the risk for human errors to an absolute minimum.

The Studer Vista 6 fits the requirements of just about any live broadcasting environment. The new mixer's flexibility, reliability and quality sound are based on Studer's well-proven digital technology.

**Vistonics™ – quick and easy operation**  
**Ergonomic console surface – improved efficiency**  
**Perfect overview – safety in operation**  
**The Studer sound – renowned audio quality**  
**Proven reliability – minimum downtime**  
**Resilient system – peace of mind**

## Vistonics™ – the Key to Efficient Console Operation

The Studer Vista 6 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 as well as between two and seven Channel Bays incorporating 20 to 70 physical faders on the console. Each Channel Bay accommodates 10 faders (100 mm), the unique Vistonics graphical operating unit, additional assignable rotary encoders at the top of the channels, as well as additional buttons and controls. Each channel includes a high resolution dual bar graph meter with additional gain reduction display 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 by simply turning the knob.



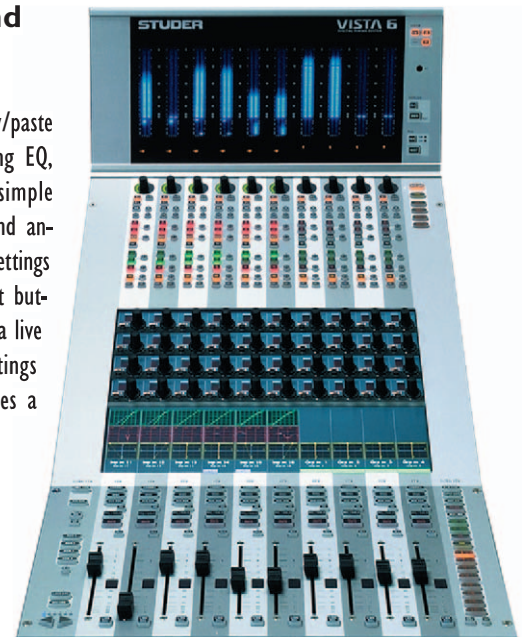
### Fast Copy/Paste and Half-Lit Keys

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 6 for a live transmission as well as changing settings due to unexpected occurrences becomes a quick and easy task.

### Scrolling

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.

The changed value is immediately displayed, graphically and numerically. Vistonics has icons which have been carefully designed to represent a logical readout for each individual function. The perfect overview even from a distance and without the need to read values reduces pressure in live transmission remarkably.



### Momentary/Latching Activation of all Buttons

The console recognizes and senses the button-push duration and responds accordingly. The buttons therefore act momentarily or latching depending on how they were pressed (pressed-and-held or briefly tapped). The functions affected include those accessed by the touch-screen.

### 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 over the console makes the set-up quick and easy.

## Broadcast ready

In addition to the standard functionality the input channels provide several broadcast specific features. Each channel can be individually isolated from the Snapshot functionality

to protect critical sources from being overwritten. Dedicated buttons for talkback (e.g. to Direct Out, N-I if applicable), for user-programmable functions and more make operation of the console comfortable. Up to two Channel Bays (out of the maximum 7 Channel

Bays) incorporating 10 or 20 faders can be ordered as Remote Fader Bay allowing operation of the channel functions of the Vista 6 from a distance of up to 400 meters.

## Your Live Transmission – Totally under Control

**The ease of operation in the Channel Bays is replicated in the centralized functions. Despite the vast amount of functionality, operation of the Control Bay remains straightforward, quick and easy.**

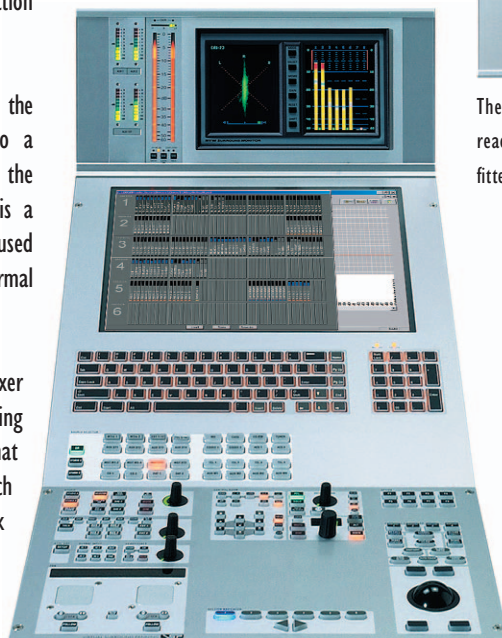
The Control Bay houses all general and global controls as well as a set of 8 freely assignable high resolution dual bar graph meters including a dual dynamics readout. Each one of the meters can independently be switched to display monitored sources, PFL and Solo. A wide range of optional third party and Studer meters can be fitted into the meter section instead of the standard meters.

The Graphic Controller (GC) provides the operator with quick and easy access to a vast array of console functions. Although the GC's large TFT flat panel color display is a prominent feature of the console, it is used mainly to display information during normal operation.

Integral within the DSP core of the mixer is an extensive routing matrix, providing complete easy-to-patch facilities that eliminate the need for an outboard patch bay or front-end router. In an OB truck the integrated routing matrix can be used as the audio distribution backbone thus making expensive and large external solutions obsolete.

Control room monitoring supports standards from LR, LCR to LCRS and 5.1 (optionally up to 7.1 and Dolby EX). Dual motorized joysticks can be fitted as an option. 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 GC. Two studio areas can be fed independently with the required monitoring sources.



The Standard Meters (above) including dynamics readout. Optional third party meters (left) can be fitted as well.



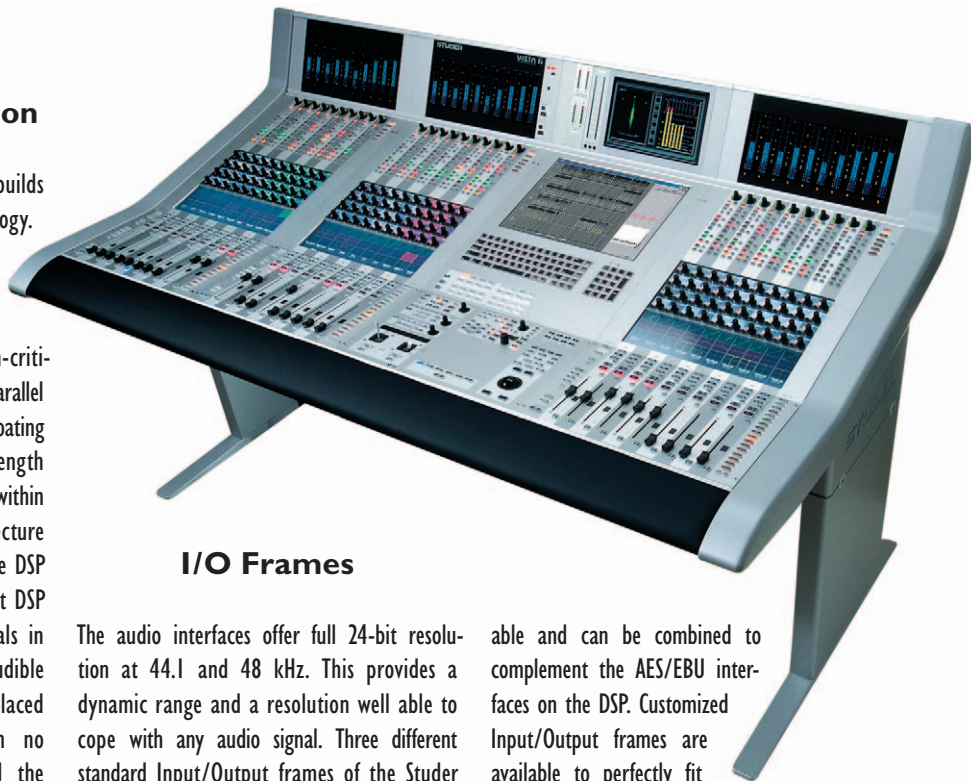
## Proven Reliability for Live Transmission

**The unparalleled operating concept of the Studer Vista 6 is completed by Studer's renowned technology incorporating an excellent reliability record.**

The design and implementation of the Studer Vista 6 provides a high level of reliability and a remarkable resilience in operation. The redundancy concept includes all parts of the Studer Vista 6 and the Channel Bay as well as the Control Bay fold up for quick and easy maintenance. All connections to the operating desk can be accessed from the front which becomes essential for installations in places with limited space, such as an OB truck.

### DSP Core Configuration

The DSP core of the Studer Vista 6 builds on Studer's well-proven digital technology. It incorporates an excellent reliability record and inspires a high degree of confidence enjoyed by the numerous users operating systems 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 even used in the summing busses. The DSP core can be equipped with a redundant DSP card which takes over the audio signals in the case a DSP card fails — with no audible effect. The faulty card may be replaced during operation (hot-plugged) with no effect whatsoever on the mixer and the audio signal.



### I/O Frames

The audio interfaces offer full 24-bit resolution at 44.1 and 48 kHz. This provides a dynamic range and a resolution well able to cope with any audio signal. Three different standard Input/Output frames of the Studer DI9m series including a stage box are avail-

able and can be combined to complement the AES/EBU interfaces on the DSP. Customized Input/Output frames are available to perfectly fit into specific requirements.

**Operation of the Studer Vista 6 resembles that of an analog console but is even more intuitive. Established ergonomic practice blends with modern technology to increase safety in operation, improve efficiency and make live transmissions an easy task.**

**The Studer Vista 6 is The Return of the Human Interface.**

**STUDER**  
professional audio equipment

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