

Studer Vista 7

Digital Mixing Console Operation takes a Quantum Leap



The Studer Vista 7 is a digital mixing console that reaches far beyond the limitations of existing designs. It is 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 7, 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, production workflow will become much smoother and production time will be shorter than ever before.

The Studer Vista 7 fits the requirements of just about any production 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 – increased productivity
AutoTouch Plus – comprehensive and easy automation
The Studer sound – renowned audio quality
Proven reliability – minimum downtime
Resilient system – peace of mind
Virtual Surround Panning – unique to Studer

Vistonics™ - the Key to Efficient Console Operation

The Studer Vista 7 incorporates the unique Vistonics™ user interface which ensures quick and easy console operation - the key to a smooth workflow and short production time.

The operating desk consists of one Control Bay (see page 8) as well as between two and seven Channel Bays incorporating 20 to 70 physical 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.



A simple touch on the desired function of the chosen channel opens up the complete function onto Vistonics. The operator can immediately adjust values and close the selected view afterwards.

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 up by the half-lit buttons. Setting up the Studer Vista 7 for a production 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.

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.



Your Production - 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 which can be switched to display monitored sources, PFL and Solo.

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 studio 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.

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

Machine Control is standard and can control one machine with 9 pin interface. The optional extensive machine control is equally well integrated using dedicated buttons for multi machine control, track arming, etc. Large installations benefit from the standard VGA switch and the optional touch screen of the Graphic Controller for fully integrated control of all machines.



Perfect Tools for Surround Production

Studer's unique Virtual Surround Panning (VSP) fits the Studer Vista 7 console perfectly. It allows the operator to create a realistic 5.1 sound field modeled around a few simple parameters.

Virtual Surround Panning simulates a defined acoustic space and positions the sound source within this space using the channel pan control. Surround impression is guaranteed by generating early reflections with the appropriate directionality and time delays on all speakers.

These reflections, which are absent with normal panning, are the key to localizing the mono source within the surround field.

The results - which must be heard to be believed - are very impressive and offer an enhanced experience in surround sound unachievable with any other console system.

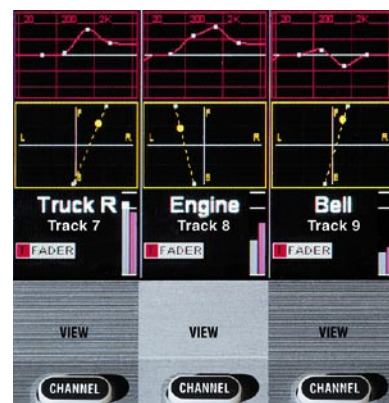


Automation - Power, Flexibility, Ease of Use

The role of dynamic automation has never been more important to the flexibility needed by today's dedicated and multi-purpose audio rooms.

To be a true working tool the automation has to be powerful, flexible and easy to use. Studer has developed an automation "engine" that offers features and functionality permitting the most complex automation tasks to be carried out within a clear and logical workflow. For those requiring only the basic dynamic automation functions, a straightforward and sim-

ple operation has been introduced. In both cases the unique and detailed automation status and read-back information displayed in the Vistonics supports every automation task. Whatever your automation needs are, Studer's AutoTouch Plus can meet them quickly, safely and with a maximum of efficiency.



Visual information for all parameters during operation of AutoTouch Plus Automation (photo: fader in trim mode)

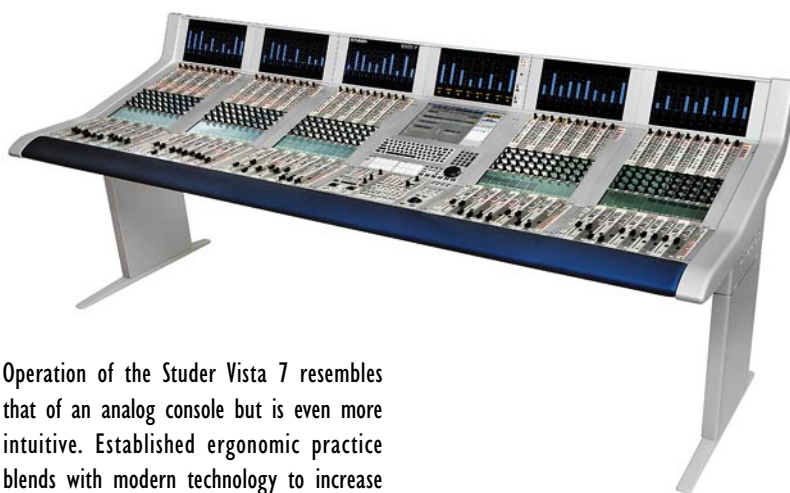
Studer Vista 7 DSP-Core Configuration

The DSP core of the Studer Vista 7 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 system can be used in 48 kHz or 96 kHz mode.

Studer Vista 7 I/O Frames

The audio interfaces offer full 24-bit resolution at 44.1 and 48 kHz (Studer D19m) or additionally at 96 kHz (Studer D21m). This provides a dynamic range and a resolution

well able to cope with any audio signal. Three different standard Input/Output frames of the D19m series are available and can be combined to complement the AES/EBU interfaces on the DSP.



Operation of the Studer Vista 7 resembles that of an analog console but is even more intuitive. Established ergonomic practice blends with modern technology to increase operating comfort, improve efficiency and boost studio productivity.

The Studer Vista 7 is **The Return of the Human Interface.**

STUDER
professional audio equipment

H A Harman International Company

Studer Professional Audio GmbH

Althardstrasse 30, CH-8105 Regensdorf-Zurich Switzerland, Phone +41 44 870 75 11, Fax +41 44 870 71 34

www.studer.ch

Subject to change. Studer is a registered trademark of Studer Professional Audio GmbH. Printed in Switzerland. Copyright by Studer Professional Audio GmbH