SeriesTwelve

Busing

The SeriesTwelve provides the most extensive and flexible busing system available, creating a mixing environment with limitless creative possibilities. Over 400 inputs, 48 multitrack buses, 16 discrete aux buses which may be paired as 8 stereo aux buses, 8 listen buses, 8 stereo group buses and 4 stereo program buses.

Monitoring

Flexible and intuitive monitoring is inherent in the SeriesTwelve architecture. One touch control provides instant access to stereo, mono, 4-channel, 6-channel or 8-channel surround panning and monitoring environments. Unlike other “quasi-surround” systems, the SeriesTwelve utilizes discrete monitoring buses to maintain panning in 3-D space, regardless of the panning mode.

Routing

The routing system on the SeriesTwelve may be the most powerful in the industry. Available in 64x32 “blocks,” up to a 1024x1024 matrix, this fully automated routing system makes any I/O point available to any other I/O point through a straightforward touchscreen interface. The power and flexibility of this system has eliminated much of the need for external routing or patching equipment.

Channel Equalizer

A dynamically automated four-band equalizer is standard on every input channel. Each band has variable center band, variable “Q” and +/- 15.7 dB level control in a wonderful sounding fully-automated unit. Throw out the conventional wisdom which calls for vintage outboard EQ - the SeriesTwelve EQ already has legendary Harrison sound!

Microphone Preamps

These transformerless, balanced preamps are fully automated as an integral part of the mix automation system. They are impressively quiet, warm and clean, with a ruler-flat frequency response.

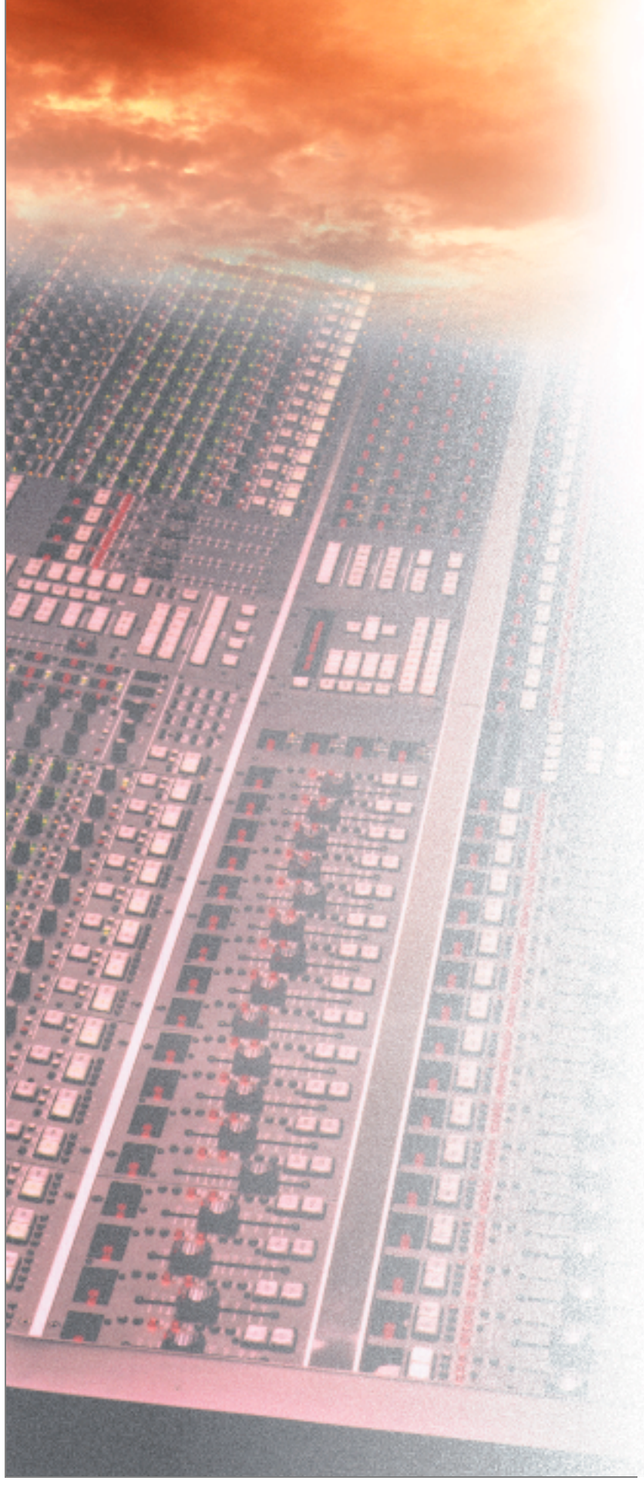
Harrison

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Web Site: www.glw.com Email: sales@glw.com

Harrison European Operations
11 Chapel Street
Berkhamsted, HERTS HP4-2EA UK
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Due to our policy of continuous improvement, features and specifications are subject to change without notice.



SeriesTwelve Harrison

SeriesTwelve



Since 1975, producers and engineers worldwide have relied on the most trusted name in audio mixing consoles - Harrison - the benchmark against which all other console automation is measured. The SeriesTwelve is a digitally-controlled, fully-automated audio mixing system with a completely modular architecture. This allows the control surface to be completely customized to each facility's needs. The SeriesTwelve architecture provides for all current and future mix formats. No other console comes close to the legendary audio quality, number of inputs and level of automation provided by the SeriesTwelve.

Harrison's commitment to sonic excellence is fundamental to the design of the SeriesTwelve. The commitment to design the finest audio circuitry extends back over 20 years to Dave Harrison, acknowledged as the inventor of modern console topology.

This same commitment extends to the engineering and construction of every console we build. The choice of high-resolution DCA's throughout the console for every control to provide a sonically superior and zipperless system. Integral multi-format busing and total dynamic automation are only part of the SeriesTwelve architecture - total system integration of true, real-time, multi-user operation - *with all facilities simultaneously available to all operators* - is unique to the SeriesTwelve. Full-function layering with a multi-user mixing environment provides functionality far beyond that of any other console. No-compromise quality in design, component selection and construction is one reason our 15- and 20-year-old consoles are still in daily service worldwide.



Iliad Studios, Nashville

- Total dynamic real time automation
- Application-specific layout
- Digitally-controlled analog
- Intuitive control surface
- Highly customizable
- Future-proof architecture
- Intrinsic multi-format busing / monitoring
- Over 400 full-function automated inputs
- Multiple automation modes
- Powerful central / distributed control
- SmartStart™ architecture
- True multi-user mixing environment
- Full-function layering available
- Simultaneous stereo, LCRS, 5.1 and 7.1 mixing
- True surround busing and monitoring in all current surround formats
- Renowned Harrison sound
- User-friendly touchscreen interface
- Multiple monitoring modes
- Instantly reconfigurable for film, music recording, broadcast and post production



Roger Savage and *Gareth Vanderhope* of Soundfirm PTY, Melbourne

Why SeriesTwelve?

World Class Customer Support

We are committed to supporting our customers as partners. Our philosophy is that if you are successful, we are successful, and we will go to the ends of the earth to ensure customer satisfaction. Don't just believe us... ask our customers. Our headquarters in Nashville and our European office in London are staffed and equipped to immediately respond to any customer needs. Rigorous quality assurance at our factory, coupled with on-site commissioning and training by our Product Specialists ensures worry-free operation from the start. Telephone hotline support, remote modem diagnostics and an FTP site for software provide additional customer convenience.

Continuous Development



As our customers' needs change, our engineering staff is constantly providing new and improved functionality to address those new needs. Additionally, our engineers are constantly looking for ways to improve what is already the most comprehensive automation system available, adding features and functions no one thought possible before. Software enhancements and functional upgrades are always made available to all SeriesTwelve customers.

Smart Investment

It's a smart investment today and tomorrow. The SeriesTwelve architecture provides superior-sounding, state-of-the-art digitally controlled analog audio, while protecting your investment as digital audio technology evolves. The automation functionality and modularity allow the console to be custom-tailored to your specific application and facility needs. The software architecture of the SeriesTwelve provides a logical upgrade path for continuous improvement of the automation functionality, continually protecting your hardware investment. Whether feature, function or automation, the SeriesTwelve is engineered to be absolutely the finest.

SeriesTwelve Applications

broadcast



WFAA, Dallas

The SeriesTwelve's reliability and flexibility make it an ideal system for broadcasters. Integral to every console is Harrison's exclusive SmartStart™ architecture for fail safe on-air operation. In the event of power failure, SmartStart™ will take control and place the console in "manual" mode until the power is restored. This exclusive feature assures on-air reliability with no compromise.

music recording



The Work Station, Nashville

The Harrison name is synonymous with great records made over the past quarter century. Artists of every genre have come to love this sound, while producers and engineers can't live without the automation features found only in the SeriesTwelve. You could buy a good sounding console or you could buy an automated console. If you want both, there is only one choice without compromise - SeriesTwelve.

film re-recording



CinePost Studios AB, Stockholm

Harrison is Hollywood and Hollywood is Harrison. Worldwide, the SeriesTwelve, along with its twin sister, the MPC, define the film re-recording industry today. No other console provides such film-specific functionality to operate in large multi-operator dubbing theaters. No other console is able to provide the vast number of inputs (over 400) for today's effects-intensive motion pictures. Only Harrison offers film re-recordists no compromise.

post production



Saunders & Gordon, London

The SeriesTwelve's extensive features for film re-recording and music recording come together in Harrison's powerful architecture to offer the post-production industry a console with unmatched performance. Its internal routing system allows users to easily handle any input source, while its integral surround panning modes easily maintain the integrity of multiple stereo and surround mixes for any given program - all under dynamic automation control. No compromise, again.

Automation in the SeriesTwelve is a quantum leap from antiquated moving fader and mute automation systems, and goes far beyond other systems that claim "total" automation. The SeriesTwelve is designed with a functionality that is both intuitive and instantly usable, with an automation system so integral to the design, that operation is as natural as turning an EQ knob. Every function on the console is automated dynamically in real time. Multiple levels of undo and a "rehearse" mode ensure your mix is always exactly as you intended. Multiple automation modes allow you to fine tune even the most complex mix.

Automated Channel Strips



Dynamics
are fully-automated in real time, with variables such as ATTACK, RELEASE, THRESHOLD and RATIO all infinitely variable over time throughout the mix.

Microphone Preamp
settings are fully-automated and recallable with the mix: patch insert, phase reverse, 48v phantom power, and assignment of the patch point as pre- or post-fader.

Auxiliary Sends
may be dynamically automated throughout the mix. Auxes maybe paired as stereo sends. Sixteen mono or eight stereo aux sends aux sends are available to every channel.

High- and low-pass filters
are dynamically automated, and available on every channel.

Four-band parametric EQ
is dynamically automated, and available on every channel. Each band has a variable center band, variable "Q" and $^{+}/_{-}$ 15.7 db level adjustment. Our EQ is renowned for its sonic quality and, like every other dynamically automated control on the SeriesTwelve, is totally free from any automation "zipper" artifacts. Harrison won't compromise - you get both great sounding **and** fully-automated EQ.

Panning
is dynamically automated and available on every channel in all surround panning modes via local control, global control, trackball, touchscreen, or Harrison's exclusive automated motorized panning joysticks.

Channel attention and layer
buttons bring full automation and copy functions to every channel.

The SeriesTwelve's automation doesn't stop at the channel strip functions. An internal electronic router switcher is available with up to 1024 x 1024 points, allowing any I/O point on the console to be noiselessly patched to any other under full automation control. Automated cue list mapping, user definable electronic channel slates, multiple automation modes, full or partial channel copy functions, machine control and features too numerous to list all lead to the only logical conclusion concerning SeriesTwelve automation... once again, no compromise!

Graphic Interface



Input channel selection



Channel status



Initiate a new mix

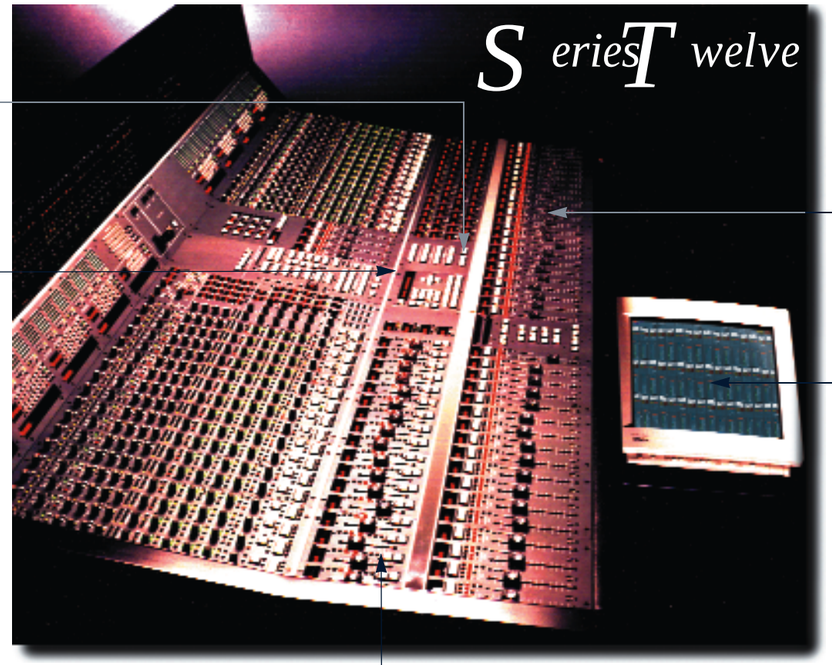


Automation management



Mix file save/recall system

Flexible Control Surface





Status Panel

One-button console status assignment provides settings for tracking, playback, mixing and a unique “dual mix” mode. An additional “B” status allows two different console configurations to remain in memory, and is available from any channel strip at the touch of a button.



Shared Section

One of the most powerful features of the SeriesTwelve is the centrally located shared section. The operator (or operators) may control the entire console from this location without leaving the “sweet spot” of the stereo or surround monitoring field. A console may have multiple, simultaneously operable shared sections. All channel functions are available, as well as additional automation functions, “global” functions, filing, status panel setup, machine control panel and user-programmable soft keys. Additional dedicated channel function displays provide even more visual feedback.



Layered Fader Panel

This option allows the user to instantly select from any of four different audio paths available on that particular channel strip. As with everything else on the SeriesTwelve, every function on every channel is fully-automated. All automation modes, dynamics, EQ’s, assigns, etc. are available to every channel, regardless of its layer position.

Touchscreen Interface

The touchscreen interface is a feature unique to Harrison’s automated consoles, and provides additional power and flexibility to the console. Its intuitive “point and touch” functionality provides a familiar methodology for filing, cue point searching, digital slate naming, etc. In addition, the touchscreen provides additional visual feedback, such as dynamics and EQ curves, and 3-D panning position for surround monitoring. The console may have up to four simultaneously operable touchscreens, allowing, for example, an operator to adjust input levels while an assistant is preparing electronic slates. Another thoughtful touch from the automation experts.



In-line Fader Panel

The traditional in-line fader panel with short and long faders is available, both equipped with premium Penny&Giles motorized faders. The SWAP button instantly reverses the monitor and main faders, and standard user-definable electronic slates follow the faders to ensure the operator is always aware the position of his channels. Of course, every function on both monitor and main channels is fully-automated, and the SeriesTwelve provides full channel-strip functionality (dynamics, EQ, assigns, panning, etc.) at all times to both signal paths.

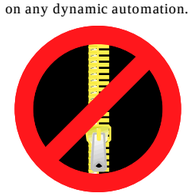
Premium components and superior grounding contribute to overall sonic excellence.



Four, six and eight channel surround panning is integral to the SeriesTwelve.



High resolution digital control ensures no “zipper” artifacts on any dynamic automation.



The SeriesTwelve is easily configured for multiple operating environments.



Harrison offers the only true multi-user / multi-functional operating environment.



In-Line *or* Layered Configuration

The unique architecture of the SeriesTwelve allows for different control surface configurations to suit individual facility needs. Our traditional in-line approach provides two full-function audio paths per channel strip with a short and long fader, or our layered approach provides four full-function audio paths per channel strip with a single fader. The choice is yours.



Each layer is selectable either globally or on a per-channel basis

