



LS9
DIGITAL MIXING CONSOLE



Features and Add-ons for Expanded Potential

LS9 StageMix for iPad®

Compact and Lightweight

LS9 + DSR Speakers

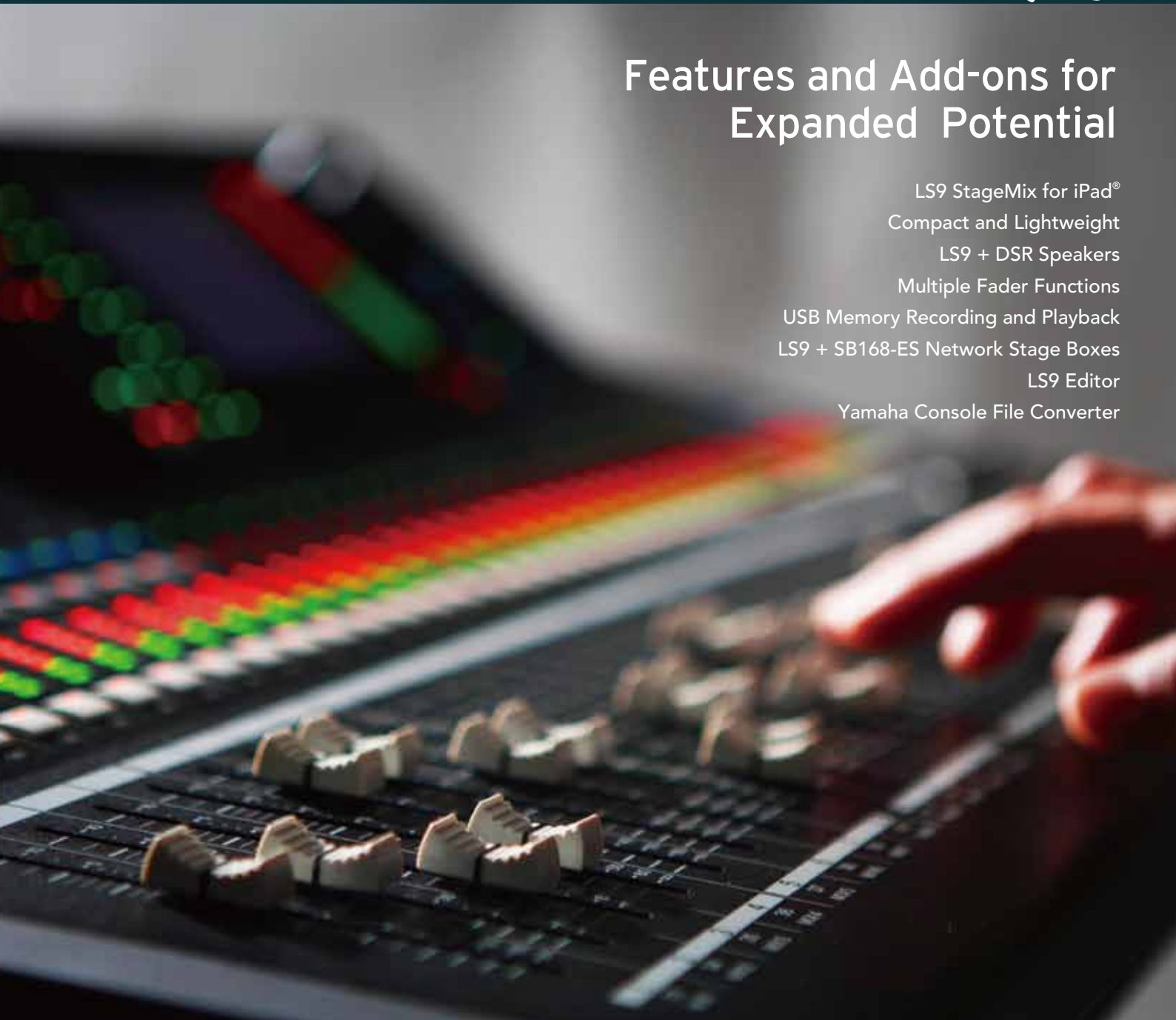
Multiple Fader Functions

USB Memory Recording and Playback

LS9 + SB168-ES Network Stage Boxes

LS9 Editor

Yamaha Console File Converter



Easy on-the-spot monitor setup

LS9 StageMix for iPad®

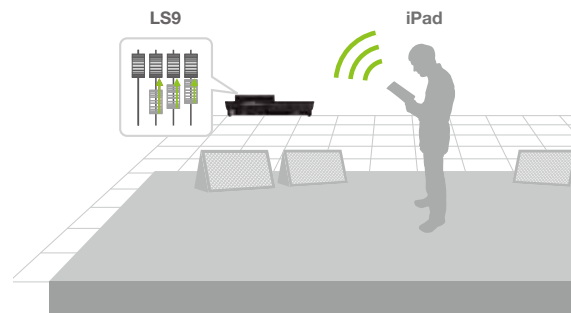
StageMix



Input Channel Faders

*Appearance may differ in final version

LS9 StageMix is an iPad application that provides wireless control of LS9 mix functions, allowing an engineer to set up monitor mixes right from the performers' positions on stage. The simple, intuitive iPad interface yields a dramatic reduction in setup time, further enhancing the overall efficiency and operability of the LS9.



Sends on Faders



Parametric EQs



Graphic EQs

System Requirements

- StageMix running on an Apple iPad
- Wireless connection from the iPad to a WiFi access point
- Ethernet connection from the WiFi access point to the LS9

* LS9 StageMix can be downloaded from Apple's App Store at no charge.

* Apple, the Apple logo, and iPad are trademarks of Apple Inc., registered in the U.S. and other countries.



Functions

LS9 StageMix supports the following functions:

[Controllable Parameters]

- Sends on Faders
- Input Channel Faders
- Input Channel On/Off
- Input Channel Parametric EQ
- Input Channel Cue
- Mix Master Faders
- Mix Bus On/Off
- Mix Bus Parametric EQs
- Mix Bus Cue
- Last Cue/Mix Cue Mode
- Clear All Cues
- Parametric EQs
- Stereo/Mono Master Fader
- Stereo/Mono Master On/Off
- Stereo/Mono Master Parametric EQ

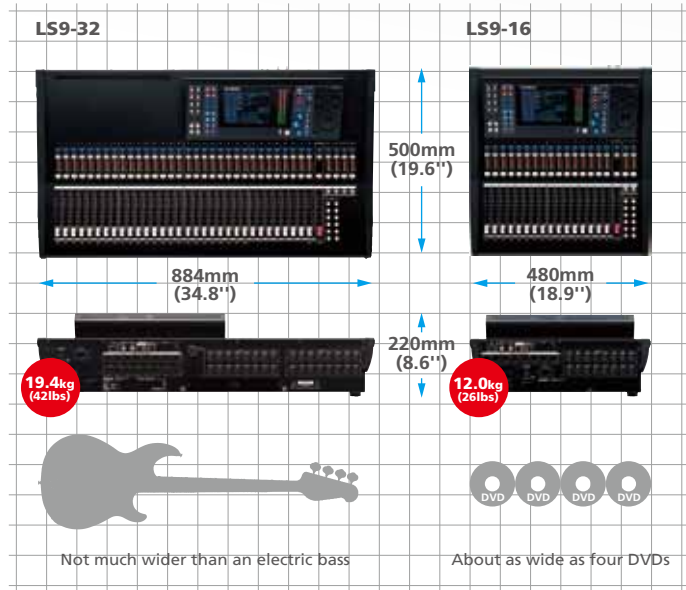
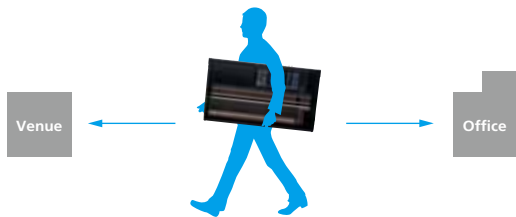
[Display Only Parameters]

- Input Channel Names
- Input Channel Meters
- Mix/Matrix Bus Names
- Mix Bus Meters
- EQ Input Meter
- EQ Output Meter
- Stereo/Mono Master Meter

Light work for heavy sound

Compact and Lightweight

Although it has high-end digital mixer features, sound, and operability, the LS9 can be comfortably carried and set up by one person. The 32-channel LS9-16 with 16 mic/line inputs weighs just 12 kilograms, while the 64-channel LS9-32 with 32 mic/line inputs tips the scales at 19.4 kilograms. Both versions offer vast potential for temporary setups at small to mid-size concerts and events, as well as for permanent installation in a variety of venues and facilities. The LS9-32 offers higher input capacity and plenty of mix buses that will easily handle even complex sound reinforcement jobs, while the portability and manageability of the LS9-16 make it ideal for smaller events and live performances.

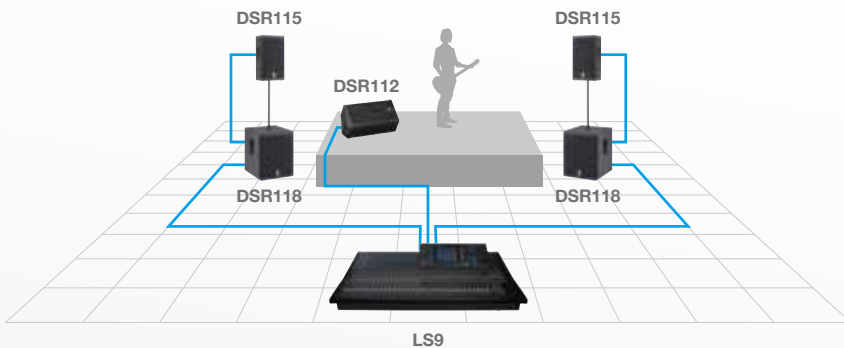


Perfect output for a perfect mix

LS9 + DSR Speakers

Advanced DSR series active loudspeakers combine proprietary 48-bit digital processing with progressive audio technology to deliver precision integral digital tuning, "D-CONTOUR" intelligent multi-band dynamic processing, newly-developed Class-D amplification with PFC switching mode power supply, and extensive DSP protection technology inherited from Yamaha's top-of-the-line TXn series amplifiers. These four core features add up to class-leading sonic resolution and maximum sound pressure level in remarkably compact, lightweight cabinets. This level of performance makes the DSR series speakers a perfect match for the LS9, resulting in an eminently portable, easy-to-manage live sound system of unrivalled quality.

Active Loudspeakers **DSR Series**



Faders that do more than just mix

Multiple Fader Functions

The LS9's motor faders - 16 +1 on the LS9-16 and 32 + 1 on the LS9-32 - offer much more than simple input channel level control.



Normal mix control

Standard control of input mixing and output master levels.

Custom Fader Layer

The faders can be individually assigned to input and output master control in any desired configuration.

Sends on Fader

This innovative operating mode offers a substantial improvement in monitor mixing efficiency.

Internal GEQ Control

On the 32-fader LS9-32 the gain for all 31 EQ bands can be directly controlled via the faders in a single layer for unmatched operating speed. The LS9-16 offers fast, intuitive access with the EQ bands across two fader layers. The basic LS9 GEQ configuration is one 31-band unit per channel, but there is also a Flex15 GEQ mode in which two units can be used per channel, each providing control of up to 15 bands at 31-band bandwidth. Up to 16 Flex15 GEQ units can be used simultaneously.

Playback and recording you can carry in a pocket

USB Memory Recording and Playback



The LS9 includes a two-track audio recorder/player that uses a standard USB memory. That means you don't need any extra equipment to record live or play BGM or sound effects. Record MP3 files at 96 128, or 192 kbps, or play MP3, AAC, or WMA files at bit rates from 64 to 320 kbps. 44.1 kHz and 48 kHz sampling rates are supported. Transfer a freshly recorded live performance from the USB memory to a computer and broadcast via the Internet in a matter of minutes!

I/O where you need it most

LS9 + SB168-ES Network Stage Boxes



If a NEXO NXAMP is used for amplification, all connections from console to stage boxes to power amp can be made via EtherSound.
(an NXES104 digital networkcard must be installed in the NEXO NXAMP)

The 32 built-in inputs of the LS9-32 can be used in addition to the 32 inputs provided by the two SB168-ES units, making it possible to mix up to 64 inputs.
(MY16-ES64 and MY16-EX EtherSound cards must be installed in the LS9-32)



Add an AuviTran AV3rd-ES100 to enable high-quality multitrack live recording using AuviTran Network ASIO Streamer

The SB168-ES is a 3U size stage box that uses EtherSound technology and provides 16 analog inputs with remote head amps plus 8 analog outputs. Two SB168-ES units can be used with an LS9-32 console, for a total of 32 remote inputs and 16 remote outputs. A single SB168-ES unit can be used with an LS9-16, providing 16 remote inputs and 8 remote outputs. In addition to benefiting from Yamaha's uncompromising approach to sound, the SB168-ES overcomes the noise susceptibility of conventional analog console plus multi-cable setups while simultaneously allowing mic cable runs to be minimized for enhanced signal-to-noise performance and sound quality in a streamlined, cost-effective system that can be set up with minimum time and effort.

MY16-ES64 and MY16-EX Mini-YGDAI cards installed in the LS9 provide an EtherSound connection to the SB168-ES units in a daisy chain or ring configuration. If the system consists only of an LS9 console and SB168-ES units initial setup can be conveniently carried out from the AuviTran AVS-ESMonitor application running on any compatible computer. Once the system is set up there's no more need to use the AVS-ESMonitor software.

One of the main drawbacks of conventional digital audio networks is cost. But since the SB168-ES has been specifically designed to work with the LS9, M7CL, and other Yamaha digital mixing consoles it can be implemented at surprisingly low cost to provide digital audio transmission of outstanding quality. The SB168-ES even has +48V, Signal, and Peak LED indicators for each input channel for comprehensive status monitoring.

- Visit the NEXO website for details on the NEXO NXAMP <http://www.nexo.fr>
- Visit the AuviTran website for details on the AuviTran AV3rd-ES <http://www.auvitran.com>

▶▶ AuviTran Network ASIO Streamer

AuviTran Network ASIO Streamer brings the EtherSound and ASIO digital standards together, making it possible to add high-quality ASIO digital multitrack recording and playback to EtherSound capable sound systems. Steinberg Nuendo and Cubase DAW software offer top-quality recording capability with flexible user interfaces, and are ideal choices for live recording.

Visit the Steinberg website for details on Nuendo and Cubase:
<http://www.steinberg.net>



Convenient console setup ... without the console!

LS9 Editor

LS9 Editor is a freeware application that allows parameter viewing and control via a computer. When connected to the console and used online it provides comprehensive metering as well as real-time display of selected channel status. Offline you can edit and manage scene data, patch lists, and other functions for a significant boost in control and work efficiency. And where a rental or installed console must be used, you can simply save your settings to a USB memory and load them into the console when needed. LS9 Editor is a great way to manage backups too.



Data compatibility for the top three

Yamaha Console File Converter



The Yamaha Console File Converter provides long-awaited data compatibility for PM5D, M7CL, and LS9 users. It converts between PM5D and M7CL, and between M7CL and LS9 console file formats, providing data compatibility between these consoles.

Features

- Converts between PM5D and M7CL, and between M7CL and LS9 file formats.
- Converts common parameters for multiple scenes (including HA and Ch Name).
- Incompatible parameters are set to their default values.
- Three conversion options provided.
- Windows and Mac versions (initial release for Windows).



*Appearance may differ in final version



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