



### ALLEN&HEATH

# The Sound of Speed

96kHz digital mixers for live sound, AV and installation.

SQ sets a new standard for compact digital mixers, with the fastest workflow in the industry, 12 stereo mixes +LR for ample IEM capability and comprehensive audio networking, remote I/O and recording options. Built on our latest generation 96kHz FPGA XCVI core, it delivers pristine high-resolution audio quality, an ultra-low latency of <0.7ms, variable bit depth for optimised dynamic range, and the sheer power to embed our acclaimed DEEP plugins into all 48 input channels and all mixes.

### Don't get left behind. Discover SQ.

<b>48</b> INPUT CHANNELS	36 BUSSES	12 STEREO AUX/GROUP MIXES	FX ENGINES	3 STEREO MATRIX	<b>AES</b> DIGITAL OUT	ME PERSONAL MIXING
SLink REMOTE AUDIO	SLink 64x64 32x32	32x32 USB AUDIO INTERFACE	MIDICONTROL	SQ-Drive	CHROMATIC CHANNEL METERING	
<b>96</b>	<b>96</b> bit MIX BUS	<0.7 <sub>ms</sub>	<b>DEEP</b> PROCESSING READY		С С З	MixPad

## The Mixing Experience

and colour. A 'channel to all' mix button instantly with custom naming and colour coding on the accesses all send levels and assignments for the glance level indication using variable brightness Chromatic Channel Metering system, giving at-ayour fingertips. Each strip features our patented get to choose which functions you always want a SQ-7 offer Soft Rotaries with LCD displays, so you models feature assignable SoftKeys and SQ-6 and displays, so you're in full control of the layout. All individually dragged and dropped to any strip we've packed SQ with options that let you design We think that you should decide how the mixer selected channel. your own workflows. Channels and mixes can be operates, not the other way around. That's why



# Flexible Multitrack Recording



The integrated SQ-Drive makes it quick and easy to capture a 96kHz multitrack or stereo recording of the show direct to a USB key or drive. No software setup, no soundcard driver issues and no extra laptop to bring to the performance. SQ-Drive is also a smart way to manage walk-in music.

Also provided is a built-in 32x32 96kHz audio interface for multitrack recording, backing tracks or virtual soundcheck applications. The interface is Core Audio and ASIO compliant and comes complete with MIDI and DAW control capabilities.

### DEEP Processing

style and needs. pick boutique compressor and preamp emulations to suit their SQ's DEEP processing architecture allows owners to hand-

inputs and mix channels, all without adding system latency or setup hassles. DEEP plugins can be embedded directly within the mixer's

Browse the available DEEP plugins at: shop.allen-heath.com.



### RackExtra FX

plug-ins, but with none of the associated hassle. crafting FX emulations that rival the very best modulators and more. Allen & Heath has a well-earned reputation for legendary classic reverbs, gated reverbs, delays,

the acclaimed RackExtra library of emulations of

All FX have dedicated stereo returns so you don't

SQ is armed with 8 stereo FX engines and features need to waste input channels.



## Expandable up to 48 mics

expanders (e.g. AB168, AR2412, AR84 and way audio patching expanded up to a total of 48 mic inputs via a other Allen & Heath digital systems. You can even family of 96kHz and 48kHz rack and stage box connect to another SQ, Qu or dLive system for two Thanks to its SLink intelligent port, SQ can be DX168), making it a flexible solution for owners of



### Advanced AMM

SQ's advanced automatic mic mixers (AMMs) 48 channel AMM for larger events DSP rack or an external plugin system. Two tully in the mixer too, with no extra latency, so you panel talks and TV shows. They're fully integrated make it a natural choice for mixing conferences tor two separate zones or combined into a single independent 24 channel AMMs can be utilised don't need to route the audio to an internal

### Connections

## Application Diagrams



### I/O Port A built-in 32x32 interface USB Interface

Network

SLink

SQ option cards including Dante, Waves, and SLink, Monitor splits broadcast feeds and FoH , as multitrack recording, enabling applications such The I/O port accommodates

streams 96kHz mulitrack audio to and from the core

It also future-proofs your SQ mixer against fast-changing Core Audio compliant, and with support for our DAW Control Driver, SQ is and processing without to the high quality preamps of the SQ, allowing access recording and playback able to take on all kinds of DA conversion. ASIO and adding extra stages of AD/

AoIP standards.

responsibilities

system integration. or access point for wired or The Ethernet network port enables SQ to send and an app, or use MIDI over TCP/IP for automation and wireless mixing control via Connect an external router over a network connection. receive control messages

SQ's intelligent SLink port supports multiple protocols allowing you to expand your SQ via our 96kHz and 48kHz remote audio units. It can even connect directly to another SLink port, a Qu mixer or to a gigaACE option or using the ME-U hub. You lets you add ME-1 and MEcard in a dlive system. 500 personal mixers directly

### DX Hub

channel GigaACE port for a single connection to the SQ. It is designed to be used remotely like the DX units themselves, and allows you to connect up to eight one cable between FoH and stage connection of remote DX expanders, and a 128x128 from a selection of up to 128 remote sockets, with just DX168s. This means you could source your 48 inputs The DX Hub features four 32x32 channel DX ports for

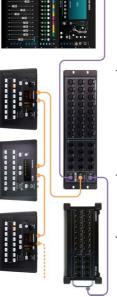




SQ expanded using AR2412 + AB168

40 remote inputs + 20 remote outputs + ME system









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SQ to SQ direct 96kHz connection using gigaACE Send and receive all assignable I/O



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SQ expanded with 3x DX168s connected to a DX-Hub for full 96kHz operation, 48 remote inputs and 24 remote outputs



32 onboard preamps. 33 faders.





- 96kHz FPGA processing
- 48 Input Channels
- DEEP Processing ready

AES output

SQ-Drive direct recording to USB

32×32 USB audio interface

- 33 Faders / 6 Layers
- 12 Stereo mixes + LR
- 3 Stereo Matrix
- 8 Stereo FX Engines + dedicated returns
- 7" capacitive touchscreen
- SLink port for remote audio / expansion
- 64ch I/O Port for audio networking
- Dedicated physical controls

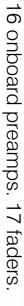
Integrated LED illumination Chromatic channel metering

- 16 Assignable SoftKeys

- Channel LCD displays

  - 8 Assignable Soft Rotaries





24 onboard preamps. 25 faders.



- 96kHz FPGA processing
- 48 Input Channels
- DEEP Processing ready
- 17 Faders / 6 Layers
- 12 Stereo mixes + LR
- 3 Stereo Matrix
- 8 Stereo FX Engines + dedicated returns
- 7" capacitive touchscreen
- SLink port for remote audio / expansion
- 64ch I/O Port for audio networking

- 32×32 USB audio interface
- SQ-Drive direct recording to USB
- AES output
- Chromatic channel metering
- Integrated LED illumination
- Dedicated physical controls
- 8 Assignable SoftKeys
- Channel LCD displays
- 19" rack mountable



- 96kHz FPGA processing
- 48 Input Channels
- DEEP Processing ready
- 25 Faders / 6 Layers
- 12 Stereo mixes + LR
- 3 Stereo Matrix 8 Stereo FX Engines + dedicated returns
- 7" capacitive touchscreen
- SLink port for remote audio / expansion
- 64ch I/O Port for audio networking

- 32×32 USB audio interface

- SQ-Drive direct recording to USB

- **AES** output

- Chromatic channel metering
- Integrated LED illumination

- Dedicated physical controls
- 16 Assignable SoftKeys
- 4 Assignable Soft Rotaries
- Channel LCD displays





### Accessories

Tablet Shelf - SQ-BRACKETX SQ-5 Rack Mounting Kit - SQ-5-RK19X SQ-5 Dust Cover - AP11332 SQ-6 Dust Cover - AP11333 SQ-7 Dust Cover - AP11334



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