ALLEN&HEATH

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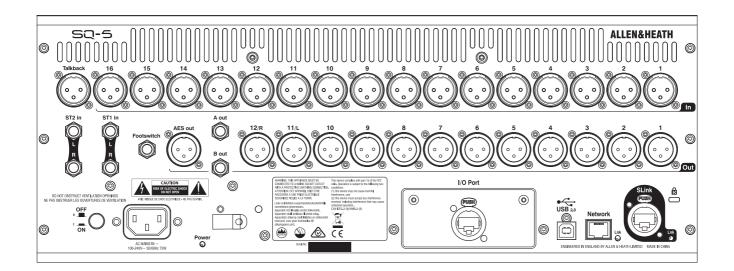


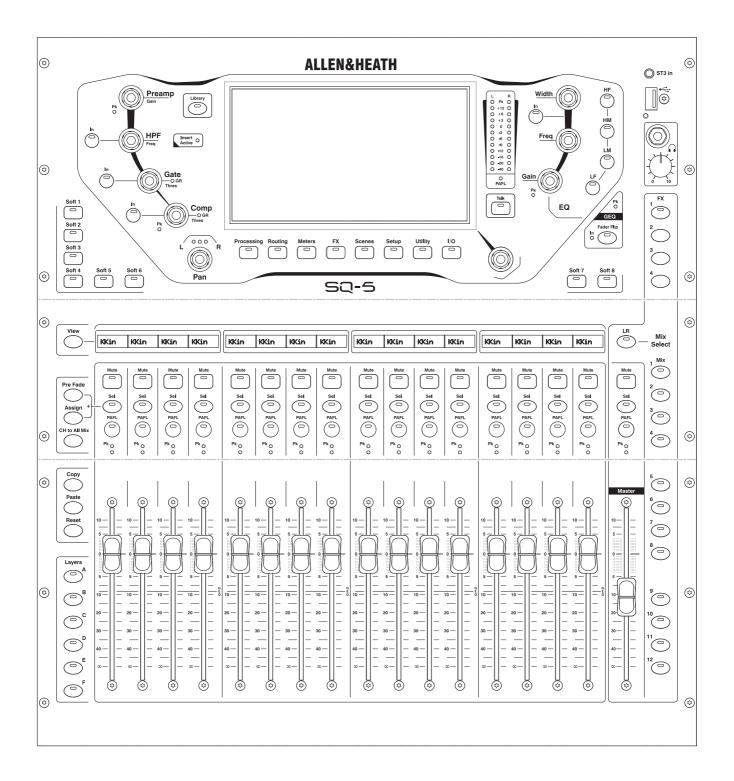
Technical Datasheet

Overview

- Rack-mountable Digital Mixer for Live, Studio and Installation
- 48 Input Channels
- 16 Local Mic Inputs (XLR)
- 2 ¼" Stereo Inputs (TRS)
- 1 3.5mm Stereo Input
- 36 Total Busses
- 12 Stereo Mix (Aux or Group) + Main
- PAFL Bus
- 14 Assignable Local Outputs (12 XLR + 2 1/4" TRS)
- AES Digital Output
- Dedicated Talkback mic input (XLR)
- ¼" TRS Headphone out with dedicated control
- SLink EtherCON connection for remote audio using dSnake, DX or gigaACE protocol (64x64 channels)
- I/O Port for Option Card (including 3rd party protocols Dante/Waves)
- 8 Mute Groups
- 8 DCA Groups
- 8 Stereo FX with dedicated FX Returns
- DEEP Processing Ready
- RackFX Effects suite
- 7" colour touchscreen
- 8 Assignable SoftKeys
- Dedicated physical controls for channel processing (Gain, HPF Frequency, Gate Threshold, Compressor Threshold, Pan, EQ Gain/Frequency/Width)

- 16+1 Faders with 6 Layers for 96 assignable Channel Strips
- Motorised faders for sends on faders, GEQ fader flip and mix recall
- 16 Backlit LCD Channel Strip displays
- Single Point Metering
- Integrated Surface Illumination
- Single/Dual Footswitch Control
- Input channel linking for stereo sources
- Patchable Insert points
- Input processing Preamp, HPF, Gate, PEQ, Compressor, Delay
- Output processing PEQ, Graphic EQ, Compressor, Delay
- Automatic Mic Mixing
- 31 Band Real Time Analyser
- Quick copy/paste/reset for parameters
- User Permissions to restrict operator access
- 300 Scene memories per show
- Channel Safes, Global and per Scene Recall Filters
- FX, processing and channel Libraries
- SQ-Drive for stereo and multitrack recording/playback direct to USB drive
- USB transfer of Scenes, Libraries, Shows
- 32x32 channel USB streaming to/from Mac/PC
- DAW Control driver for MIDI control via USB or TCP/IP
- Wireless remote mixing apps for iPad and Android
- Compatible with ME personal monitoring range





A&E Specifications

The mixer shall be a compact, rack-mountable digital mixer built around a 96kHz XCVI FPGA core with 48 input channels mixing to LR and 12 stereo mix outputs.

The surface shall include 17 moving faders with 6 layers, each layer having dedicated keys, giving easy access to input channels, mixes, FX sends, FX returns, DCA masters and MIDI control.

Each fader strip shall have dedicated PAFL, Select, and Mute buttons with indicators, a variable LED meter, a peak indicator LED and variable colour backlit LCD display.

There shall be dedicated physical controls which allow for adjustment of key processing parameters, and which follow the select button for the input and output channels.

The fader and rotary controls shall be of a high contrast colour to the mixer surface for excellent visibility during operation in low light conditions. The rotary controls shall also be illuminated to indicate function and availability for use.

Send levels to mixes shall be displayed and adjusted using the faders.

Surface illumination shall be integrated into the bodywork of the mixer.

Local analogue inputs shall use balanced XLR sockets and connect to fully recallable digitally controlled preamplifiers. These shall be able to provide up to +60dB of gain, industry standard 48V phantom power, and include a switchable -20dB Pad to allow a maximum input level of +30dBu.

Local analogue outputs shall be provided on 12 XLR sockets and 2 balanced TRS $\frac{1}{4}$ inch Jack sockets. These will have a nominal line output of +4dBu and a maximum output of +22dBu.

There shall be a local "SLink" Ethernet audio expansion port with locking EtherCON connector, supporting multiple AoIP protocols and providing access to 64x64 digital channels, connected over a single cable 'digital snake' and allowing remote preamp control of Allen & Heath Remote Audio Units, as well as connection to Allen & Heath ME Personal Mixing Systems.

A digital I/O Port shall be provided to accept optional cards, supporting 64x64 channels and the ability to interface with 3rd party AoIP protocols such as Dante and Wayes.

All input and output processing, routing options and system configuration shall be accessed and adjusted via a 7-inch colour touchscreen and associated dedicated rotary control.

8 user-assignable SoftKeys with variable colour LED illumination shall be provided for quick access to Input/Mix/DCA/Group Mutes, Tap Tempo, Scene Controls, MMC and SQ-Drive Controls.

A footswitch connection shall be provided to allow assignable control from an optional single or dual footswitch.

There shall be dedicated keys for quick Copy/Paste/Reset of processing parameters and mixes.

The ability to assign channel on/off status and to switch between Pre/Post fade to the currently selected mix shall also be provided with dedicated keys.

All input channels shall contain the following processing: Polarity, Trim, Insert, Gate, High Pass Filter, Parametric EQ, Compressor, Delay, Pan. All FX Return channels shall contain the following: Parametric EQ, Pan.

All output mix channels shall contain the following processing: External input, Polarity, Trim, Insert, Parametric EQ, and Graphic EQ with RTA and faderflip mode, Compressor, Delay, Balance.
All signal delays in the system shall be adjustable in Milliseconds.

The mixer will allow the insertion of Allen & Heath DEEP processing models to channels, without affecting latency or processing abilities.

8 user-assignable effect racks shall be provided with a library of factory preset FX emulations. The FX racks shall be individually configurable as send/return from

a channel or FX/Mix, or inserted into input or output channels.

There shall be 8 DCA groups and 8 Mute groups.

An Automatic Mic Mixer shall be provided for automatic and dynamic adjustment of gain in spoken word applications.

A global source option for the direct out of each input channel shall be provided in the routing screen. The tap-off point shall be adjusted to the following positions in the processing path: post Preamp, post HPF, post Gate, post Insert return, post PEQ, post Compressor, and post Delay. There shall be further global options to follow Fader, DCA and Mute. Direct outputs shall be assignable via the mixer soft patch bay.

A Talkback facility shall be provided with the ability to send to any output mix with on screen status indication. An option to enable talkback latching and HPF shall be provided.

A signal generator shall be provided with the ability to send a variable level signal to any output mix with visual assignment status on-screen. The following types of signals shall be available: Sine, White Noise, Pink Noise, and Band-Pass.

Comprehensive input, output, and FX channel and RTA metering shall be provided on-screen.

12-LED bar meters on the surface shall indicate the Main mix bus level and the PAFL signal shall override the LR meters accompanied by a PAFL-active indicator.

A default Mains to PAFL sub-mix shall be provided.

There shall be a USB Type-A connector on the surface for stereo/multitrack recording/playback, data-transfer, archiving, and firmware updates direct to USB drives. On the rear panel there shall be a USB-B connection following the USB 2.0 standard for multi-channel, bi-directional audio streaming and MIDI DAW control between the mixer and a computer.

A DAW transport control using popular DAW control protocols for computer shall be available via the touch-screen.

Stereo digital output shall be provided on XLR following the AES/EBU standard and with switchable sample rates.

The mixer shall provide a Fast Ethernet (100 Mbit/s) port for Cat5 cable connection to a computer for MIDI over TCP/IP control of mixer parameters via a wireless router (access point) for live mixing control, and the mixing system shall include application software for tablet and phone devices connected via a wireless network router to the LAN port.

Input and output channel processing and parameters in the mixer shall be saved on demand as a user library item for recall in other channels. All library items shall be archived with the show-file. Library items shall be transferrable to USB drive as portable data to be used in other systems.

The mixer shall provide the facility to save 300 scenes of the settings of the mixing system and these scenes shall be nameable.

A comprehensive table of 'Scene Safes' shall be provided to prevent selected items from being changed from their state when the safe was enabled. A comprehensive scene filter shall be provided per scene to Allow / Block each parameter saved in a scene from being changed as that scene is recalled.

An option shall be provided for password protection for log-in of several users with different levels of system access and permissions. A particular scene may be chosen to be recalled per change of userlogin if desired.

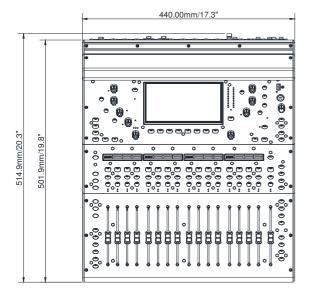
The mixing system shall periodically record all current settings and return the mixer to that state after reboot following a power-cycle.

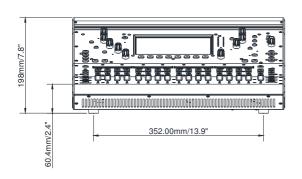
The mixing control surface shall have a built in power supply accepting AC mains voltages of 100~240V, 50/60 Hz, 75W max via an earthed 3-pin IEC male connector mounted on the rear chassis. A Two Pole Push-Button switch shall be provided near the mains input.

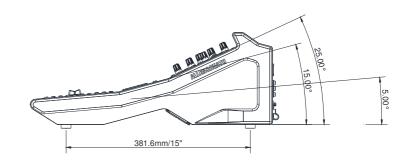
Recommended operating temperature for the mixer shall be 5 to 35 degrees Celsius.

The mixer shall be the Allen & Heath SQ-5.

Dimensions







SQ SYSTEM BLOCK DIAGRAM 48 input channels x 36 bus Mix Engine Firmware V1.0 GRP AUX FX MAIN MTX PAFL Sidechain — INPUT CHANNEL x 48 Sidechain — Mixer INPUT PATCH ļ 型 LEV R ļ Global source option for DIRECT OUT - Follow MUTE USB B FX SEND RackFX x8 FX RETURN x8 SQ-Drive þ I/O Port O LEV MIC/LINE inputs DX Expanders TALKBACK SIG GEN AR AudioRacks EV LEV OUTPUT PATCH Mixer MIX MASTER (GRP, AUX, MAIN) Å TRS Out LEV TRIM POL **O** 1 LEV USB B **-**SQ-Drive MATRIX MASTER TRIM POL DX Expanders AR AudioRacks PFL/AFL MONITOR

Mic/Line Inputs	Balanced XLR, fully recallable	Faders	100mm motorised
•	-60 to +0dBu	Touch Screen	
Input Sensitivity			7" Capacitive, 800 x 480 resolution, 24 bit RG
Switchable Pad	-20dB	SoftKeys	8 (SQ-5), 16 (SQ-6)
Analogue Gain	OdB to +60dB, 1dB steps	Mute Groups / DCA Groups	8/8
Maximum Input Level	+30dBu	Network	TCP/IP Ethernet for MIDI and Control
nput Impedance	>5kΩ	MIDI	TCP/IP and USB B
THD+N, Unity gain OdB	0.002% -92dBu (20Hz-20kHz, AES Direct Out, @0dBu 1kHz)	Footswitch	Single or Dual, Momentary or Latching*
THD+N, Mid gain +30dB	0.003% -91dBu (20Hz-20kHz, AES Direct Out, @-30dBu INPUT 1kHz)		
Phantom Power	+48V (+3V / -2V)	Source	
Stereo Line Inputs		CH1-48	Fully patchable
ST1, ST2 connectors	Balanced, 1/4" TRS jack	USB Global Source	SQ-Drive or USB B Streaming
ST3 connector	Unbalanced, stereo 3.5mm Mini Jack		
Input Sensitivity (ST1, ST2 / ST3)	Nominal +4dBu ST1, ST2 / 0dBu ST3	Polarity	Normal/Invert
Trim	+/-24dB	Trim	-24 to +24dB
Maximum Input Level (ST1,ST2 / ST3)	+22dBu / +18dBu	High Pass Filter	12dB/octave 20Hz – 2kHz
nput Impedance	>7kΩ	Insert (Pre EQ/Comp)	Fully Patchable
		Delay	Up to 341ms
Outputs 1-12 (SQ-5) and 1- 14 (SQ-6)	Balanced, XLR		
Outputs A and B	Balanced 1/4" TRS Jack	Gate	Patchable Sidechain
Source	Patchable	Sidechain filter	Hi-pass (20-5k), band-pass (120-10k), Lo-p. (120-20k)
Output Impedance	<75Ω	Threshold / Depth	-72dBu to +18dBu / 0 to 60dB
Nominal Output	+4dBu = 0dB meter reading	Attack / Hold / Release	50µs to 300ms / 10ms to 5s / 10ms to 1s
Maximum Output Level	+22dBu		
Residual Output Noise	-90dBu (muted, 20Hz-20kHz)	PEQ	4-Band fully parametric, 20-20kHz, +/-15dB
toolaaa oaqaa nooo	,	Band 1, Band 4	Selectable Shelving (Baxandall), Bell
NEC Digital Output	Balanced XLR 2 channel,	Band 2, Band 3	Bell
AES Digital Output		Bell Width	
	96kHz sampling rate (Default with SRC Bypassed)	beli widili	Variable Q, 1.5 to 1/9th octave
	Switchable output sample rates,44.1kHz/ 48kHz/ 88.2kHz/ (96kHz)		
	2.5Vpp balanced terminated 110Ω	Compressor	Patchable Sidechain
		Sidechain filter	Hi-pass (20-5k), band-pass (120-10k), Lo-p. (120-20k), Q=1
Connection	Neutrik EtherCON (RJ45)	Threshold / Ratio	-46dBu to 18dBu / 1:1 to infinity
lsnake mode (48kHz levices)*	64 channels assignable, compatible with AR2412, AR84, AB168, ME	Attack / Release	30μs to 300ms / 50ms to 2s
dx mode (96kHz devices)	32 channels assignable*, compatible with DX168	Knee	Soft/Hard
gigaACE (96kHz devices)	128 channels assignable, compatible with dLive, SQ and DXHub*	Detector response	Peak/RMS switchable
nputs	Fully Patchable	Parallel Path Compression	dry/wet -infin to 0dB
Outputs	Fully Patchable		
Sync/SRC	assignable as master audio sync for all modes, * SRC 64 channel	Channel Direct Out	Follow Fader, Mute, Mute Group, DCA (globa ch)

Multi-charmed I/O option module Fully Petchable Fully Petcha			Source select	Post-Preamp, Post-HPF, Post Gate, Insert Return,
Symbol		Multi-channel IO option module		Post PEQ, Post Comp, Post Delay
Sync/SRC assignable as master audio sync Measured balenced XLR in to XLR out, 088 pain, 0689 input. Dynamic Range 112 dB Frequency Response +0-0 548 E0Hz to 20Hz 2 +18 dB Internal operating Level Unity gain ladders@0.088, 0.0898, 1.8 dB THD+R, Ming-Line mouled in Minitum and operating Level Unity gain ladders@0.088, 0.0898, - Haddoorn +18 dB Unity gain ladders@0.088, 0.0898, - Haddoorn +18 dB Unity gain ladders@0.088, 0.0898, - Haddo (20 - 20491) Meter Calibration OdB meter — 18 dBFS (1 + 22 dBu at XLR out) Meter Calibration OdB meter — 18 dBFS (1 + 22 dBu at XLR out) Motifier Type Single Point Meeron, sully programmate contact hydrogeness Channel Meter Type Single Point Meeron, sully programmate contact hydrogeness Channel Meter Type Single Point Meeron, sully programmate contact hydrogeness Channel Meter Type Single Point Meeron, sully programmate contact hydrogeness Channel Meter Type 2 x 12 segment, fast (pesid response Channel Meter Type 2 x 12 segment, fast (pesid response Channel Meter Type 2 x 12 segment, fast (pesid response Channel Meter Type 2 x 12 segment, fast (pesid response Channel Meter Type 2 x 12 segment, fast (pesid response Channel Meter Type 3 single Form Meeron, sully programmate contact hydrogeness Feak Indication -388FS (+1980u at XLR out), multi- point seesing Single Generator 3 signal Generator Assignable to any mix, Cain, Parl, 281, Talkback Bit Degth Uses XCVI core custom bit widths in alportimes, up to 990tbs -40 free, Closer, No EQL Effectis) Signal Generator Assignable to any mix, Cain, Parl, 29 signal Generator Assignable to any mix, Cain, Parl, 29 signal Generator Assignable to any mix, Cain, Parl, 29 signal Generator Assignable to any mix, Cain, Parl, 29 signal Generator Assignable to any mix, Cain, Parl, 29 signal Generator Assignable to any mix, Cain, Parl, 29 signal Generator Assignable to any mix, Cain, Parl, 29 signal Generator Assignable to any mix, Cain, Parl, 29 signal Generator Assignable to any mix, Cain, Par	Inputs	Fully Patchable		trim -infin to 10dB per channel
Delay Up to 882ms Messured talanced XLR in to XLR out, Upd 582ms T12 dB PEQ As Input PEQ As In	Outputs	Fully Patchable		
Dynamic Range 112 dB 112	Sync/SRC	assignable as master audio sync	Insert (Pre EQ/Comp)	Fully Patchable
Odd gain, Odds input 1/2 of			Delay	Up to 682ms
Frequency Response +0/-0.5dB 20Hz to 20Hz +180B Internal operating Level 180B Unity gain faders@0dB, 0.005%, -846Ba (20 - 20Hz) 418dBa 0dBi Unity gain faders@0dB, 0.005%, -846Ba (20 - 20Hz) 418dBa 0dBFS (+22dBu at XLR output) 18dBa 0dBFS (+22dBu at XLR output) 2 x 12 segment, fast (peak) response 2		,	GEQ	
Headroom	Dynamic Range	112 dB	PEQ	As Input PEQ
Internal perating Level OdBu Internal FX S. RackFX engine. Send-s Return or Inserted (4 Oddicated St. No. 1 St. Revol. Stener Tap Delay, Galed Reverb. ADT, BlueChorus Symphonic Chorus, Flanger, Phaser output) Some Perating output)	Frequency Response	+0/-0.5dB 20Hz to 20kHz	Compressor	As Input Compressor
ThD+N, MicCline routed to Man L/R Out 19 40 40 40 40 40 40 40 40 40 40 40 40 40	Headroom	+18dB		
Main LR Out S440B; (20 - 20MHz) ABT, Bilberic Chrous, Flanger, Phaser output)	Internal operating Level	OdBu	Internal FX	
Meter Calibration Odd meter = -18d8FS (+ 4dBu at XLR out) Main Meter Type Channel Meter Type Channel Meter Type Single Point Metering, fully programmable colour/brightness Peak Indication -3d8FS (+ 19dBu at XLR out), multipoint sensing Pakindication -3d8FS (+ 19dBu at XLR out), multipoint sensing Sampling Rate 96kHz Signal Generator Signal Generator Signal Generator Signal Generator Assignable to any mix, Gain, Pad, 46V, 12d8/octl HPF Assignable to any mix, Gain, Pad, 46V, 12d8/octl HPF Assignable to any mix, Sine,White/Pink/Bandpass Noise RTA 31-Bands 1/3 octave 2D-20kHz, follows PAFL source 40P, 12d8/octl HPF Assignable to any mix, Sine,White/Pink/Bandpass Noise RTA 31-Bands 1/3 octave 2D-20kHz, follows PAFL source SO-Drive USB A Operating Temperature Range Operating Temperature Range Operating Temperature Range Main Power 100-240V AC, 50/60Hz Stero Playback Stero Playback Multitrack Record 10-240V AC, 50/60Hz Stero Playback Multitrack Record 10-240V AC, 50/60Hz Stero Playback Multitrack Playback Stero Playback Stero Playback Multitrack Playback Stero Playback Stero Playback USB B, Core Audio complant, Assource fully patchable Multitrack Playback Stero Playback Stero Playback Stero Playback USB B, Core Audio complant, Assource fully patchable Multitrack Playback Sully patchable 16 channel, WAV, 96kHz, 24-bit fully patchable SQ-5 Width x Depth x Height Desk mounted 440 x 514.9 x 198 mm (17.3" x 20.3" x 7.8") Packed in shipping box 14 kg (30.9 lbs) Sq-6 Width x Depth x Height Desk mounted 638 x 514.9 x 198 mm (25.1" x 20.3" x 7.8") Packed in shipping box 13.3 kg (29.3 lbs) Packed in shipping box 13.3 kg (29.3 lbs) 13.3 kg (29.3 lbs) Packed in shipping box 13.3 kg (29.3 lbs) 13.3 kg (29.3 lbs)			Types	
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Pack Indication Single Point Metering, fully programmable colour/brightness Pack Indication -3dBFS (+19dBu at XLR out), multipoint sensing Pack Indication -3dBFS (+19dBu at XLR out), multipoint sensing Pack Indication -3dBFS (+19dBu at XLR out), multipoint sensing Pack Indication -3dBFS (+19dBu at XLR out), multipoint sensing Pack Indication -3dBFS (+19dBu at XLR out), multipoint sensing Pack Indication -3dBFS (+19dBu at XLR out), multipoint sensing Pack Indication -3dBFS (+19dBu at XLR out), multipoint sensing Pack Indication -3dBFS (+19dBu at XLR out), multipoint sensing Pack Indication -3dBFS (+19dBu at XLR out), multipoint sensing Pack Indication -3dBFS (+19dBu at XLR out), multipoint sensing -3dBFS (+19dBu at XLR out), multipoint source -3dBFS (+19dBu at XLR out), multipoint -3dBFS (+19dBBu at XLR out), multipoint -3dBFS (+19dB	Meter Calibration	l '		Fader, Pan, Mute, Routing to Mix/LR, 4-Band PEQ
Peak Indication 3-3dBFS (+19dBu at XLR out), multipoint sensing 3-3dBFS (+19dBu at XLR out), solid sensing 3-3dBFS (+19d	Main Meter Type	2 x 12 segment, fast (peak) response		
Sampling Rate Signal Generator Signal Generator Signal Generator Signal Generator Signal Generator Assignable to any mix, Sine/White/Pink/Bandpass Note of State of Stat	Channel Meter Type		PAFL	
Bit Depth Uses XCVI core custom bit widths in algorithms, up to 96bits Latency < 0.7 mS, Local Mic Input routed to Main L/R. (Direct, No EQ/ Effects) Operating Temperature Range of deg P to 104 deg C (32 deg F to 104 deg P) Mains Power	Peak Indication	, , , , , , , , , , , , , , , , , , , ,	Talkback	
algorithms, up to 96bits < 0.7mS, Local Mic Input routed to Main L/R. (Direct, No EQ/ Effects) SQ-Drive USB A Operating Temperature Range O deg C to 40 deg C (32 deg F to 104 deg F) Mains Power 100-240V AC, 50/60Hz Stereo Record Stereo Playback 1/2 channel, WAV, 96kHz, 24-bit, source fully patchable Max Power Consumption SO-5/SQ-6 5/SQ-6 Width x Depth x Height Desk mounted 440 x 514.9 x 198 mm (17.3" x 20.3" x 7.8") Packed in shipping box 610 x 680 x 360 mm (24" x 26.8" x 14.2") Unpacked weight 10-240V AC, 50/60Hz Stereo Playback Multitrack Record 16 channel, WAV, 96kHz, 24-bit, track sources fully patchable Multitrack Playback 16 channel, WAV, 96kHz, 24-bit fully patchable USB A, Stereo Playback 16 channel, WAV, 96kHz, 24-bit, track sources fully patchable Wildth x Depth x Height Beat Multitrack Playback USB A, Stereo Playback 16 channel, WAV, 96kHz, 24-bit, track sources fully patchable Wildth x Depth x Height 10.5 kg (23.1 lbs) Return (downstream) 32 channel, 96kHz, 24-bit Return (downstream) 32 channel, 96kHz, 24-bit 33 channel, 96kHz, 24-bit 14 kg (30.9 lbs) 80-6 Width x Depth x Height Desk mounted 638 x 514.9 x 198 mm (25.1" x 20.3" x 7.8") Packed in shipping box 820 x 680 x 360 mm (32.3" x 26.8" x 14.2") Unpacked weight 13.3 kg (29.3 lbs) 14.7 (2) x 20.3" x 26.8" x 14.2") Unpacked weight 13.3 kg (29.3 lbs)	Sampling Rate	96kHz	Signal Generator	
Main L/R. (Direct, No EQ/ Effects) SQ-Drive USB A Operating Temperature Range Odeg C to 40 deg C (32 deg F to 104 deg F) Mains Power 100-240V AC, 50/60Hz Stereo Playback Multitrack Record T5W / 90W Multitrack Playback SQ-5 Width x Depth x Height Desk mounted 440 x 514.9 x 198 mm (17.3" x 20.3" x 7.8") Packed weight 10.5 kg (23.1 lbs) Packed weight 10.5 kg (33.1 bs) SQ-6 Width x Depth x Height Desk mounted 800 x 680 x 360 mm (32.3" x 20.3" x 7.8") Packed in shipping box Width x Depth x Height SQ-6 Width x Depth x Height Square Square	Bit Depth		RTA	
Operating Temperature Range of Gas Cost Annel, Walve, 96kHz, 24-bit, source fully patchable of Stereo Record of Stereo Playback of Stereo Flayback of Stereo Flayb	Latency			
Mains Power 100-240V AC, 50/60Hz Stereo Playback Multitrack Record 5/SQ-6 Multitrack Record 5/SQ-6 Multitrack Playback Multitrack			SQ-Drive	USB A
Max Power Consumption SQ-5/SQ-6 Multitrack Record fully patchable 16 channel, WAV, 96kHz, 24-bit, track sources fully patchable Multitrack Playback 16 channel, WAV, 96kHz, 24-bit fully patchable 175W / 90W Multitrack Playback Multitrack Playback 18 channel, WAV, 96kHz, 24-bit fully patchable 18 channel, WAV, 96kHz, 24-bit fully patchable Wish x Depth x Height Desk mounted 440 x 514.9 x 198 mm (17.3" x 20.3" x 7.8") Packed weight 10.5 kg (23.1 lbs) Packed weight 14 kg (30.9 lbs) SQ-6 Width x Depth x Height Desk mounted 638 x 514.9 x 198 mm (25.1" x 20.3" x 7.8") Packed in shipping box Width x Depth x Height 13.3 kg (29.3 lbs) Width x Depth x 13.3 kg (29.3 lbs) Packed weight 13.3 kg (29.3 lbs) Packed weight 13.3 kg (29.3 lbs)	Operating Temperature Range		Stereo Record	
SQ-5 Width x Depth x Height 16 channel, WAV, 96kHz, 24-bit fully patchable 18	Mains Power	100-240V AC, 50/60Hz	Stereo Playback	
SQ-5 Width x Depth x Height USB Audio Streaming USB B, Core Audio compliant, ASIO/WDM for Windows Packed in shipping box 610 x 680 x 360 mm (24" x 26.8" x 14.2") Send (upstream) 32 channel, 96kHz, 24-bit Unpacked weight 10.5 kg (23.1 lbs) Return (downstream) 32 channel, 96kHz, 24-bit Packed weight 14 kg (30.9 lbs) Return (downstream) 32 channel, 96kHz, 24-bit SQ-6 Width x Depth x Height Width x Depth x Height 4638 x 514.9 x 198 mm (25.1" x 20.3" x 7.8") Packed in shipping box 820 x 680 x 360 mm (32.3" x 26.8" x 14.2") 47.0 kg (29.3 lbs) Unpacked weight 13.3 kg (29.3 lbs) 17.0 kg (29.1 lbs)	•	75W / 90W	Multitrack Record	
Desk mounted 440 x 514.9 x 198 mm (17.3" x 20.3" x 7.8") Packed in shipping box 610 x 680 x 360 mm (24" x 26.8" x 14.2") Unpacked weight 10.5 kg (23.1 lbs) Packed weight 14 kg (30.9 lbs) Sq.6 Width x Depth x Height Desk mounted 638 x 514.9 x 198 mm (25.1" x 20.3" x 7.8") Packed in shipping box 820 x 680 x 360 mm (32.3" x 26.8" x 14.2") Unpacked weight 13.3 kg (29.3 lbs) Packed weight 13.3 kg (29.3 lbs) Packed weight 13.3 kg (29.3 lbs)			Multitrack Playback	16 channel, WAV, 96kHz, 24-bit fully patchable
7.8") Packed in shipping box 610 x 680 x 360 mm (24" x 26.8" x 14.2") Unpacked weight 10.5 kg (23.1 lbs) Packed weight 14 kg (30.9 lbs) Send (upstream) Return (downstream) 32 channel, 96kHz, 24-bit 32 channel, 96kHz, 24-bit Return (downstream) 32 channel, 96kHz, 24-bit 34 channel, 96kHz, 24-bit 35 channel, 96kHz, 24-bit 36 channel, 96kHz, 24-bit 37 channel, 96kHz, 24-bit 38 channel, 96kHz, 24-bit 39 channel, 96kHz, 24-bit 30 channel, 96kHz, 24-bit 30 channel, 96kHz, 24-bit 31 channel, 96kHz, 24-bit 32 channel, 96kHz, 24-bit 33 channel, 96kHz, 24-bit 34 channel, 96kHz, 24-bit 35 channel, 96kHz, 24-bit 36 channel, 96kHz, 24-bit 37 channel, 96kHz, 24-bit 38 channel, 96kHz, 24-bit 39 channel, 96kHz, 24-bit 40 channel, 96kHz, 24-bit 40 channel, 96kHz, 24-bit 40 channel, 96kHz, 24-bit 40 channel, 96kHz, 24-bit 41 channel, 96kHz, 24-bit 41 channel, 96kHz, 24-bit 42 channel, 96kHz, 24-bit 42 channel, 96kHz, 24-bit 43 channel, 96kHz, 24-bit 44 channel, 96kHz, 24-bit 44 channel, 96kHz, 24-bit 45 channel, 96kHz, 24-bit 46 channel, 96kHz, 24-bit 47 channel, 96kHz, 24-bit 47 channel, 96kHz, 24-bit 48 chann	SQ-5	Width x Depth x Height		
14.2") 10.5 kg (23.1 lbs) Packed weight 14 kg (30.9 lbs) 80-6 Width x Depth x Height Desk mounted 638 x 514.9 x 198 mm (25.1" x 20.3" x 7.8") Packed in shipping box 820 x 680 x 360 mm (32.3" x 26.8" x 14.2") Unpacked weight 13.3 kg (29.3 lbs) Packed weight 14.2 lb (20.4 lbs)	Desk mounted		USB Audio Streaming	· · · · · · · · · · · · · · · · · · ·
SQ-6 Width x Depth x Height Desk mounted 638 x 514.9 x 198 mm (25.1" x 20.3" x 7.8") Packed in shipping box 820 x 680 x 360 mm (32.3" x 26.8" x 14.2") Unpacked weight 13.3 kg (29.3 lbs)	Packed in shipping box		Send (upstream)	32 channel, 96kHz, 24-bit
SQ-6 Desk mounted 638 x 514.9 x 198 mm (25.1" x 20.3" x 7.8") Packed in shipping box 820 x 680 x 360 mm (32.3" x 26.8" x 14.2") Unpacked weight 13.3 kg (29.3 lbs)	Unpacked weight	10.5 kg (23.1 lbs)	Return (downstream)	32 channel, 96kHz, 24-bit
Desk mounted 638 x 514.9 x 198 mm (25.1" x 20.3" x 7.8") Packed in shipping box 820 x 680 x 360 mm (32.3" x 26.8" x 14.2") Unpacked weight 13.3 kg (29.3 lbs)	Packed weight	14 kg (30.9 lbs)		ı
Desk mounted 638 x 514.9 x 198 mm (25.1" x 20.3" x 7.8") Packed in shipping box 820 x 680 x 360 mm (32.3" x 26.8" x 14.2") Unpacked weight 13.3 kg (29.3 lbs)				
7.8") Packed in shipping box 820 x 680 x 360 mm (32.3" x 26.8" x 14.2") Unpacked weight 13.3 kg (29.3 lbs)	SQ-6	Width x Depth x Height		
Unpacked weight 13.3 kg (29.3 lbs)	Desk mounted			
Dealed which	Packed in shipping box			
Packed weight 17.3 kg (38.1 lbs) * Firmware v1.1	Unpacked weight	13.3 kg (29.3 lbs)		
	Packed weight	17.3 kg (38.1 lbs)		* Firmware v1.1