

16 JUIN 2025

SAINTE-CATHERINE HALL

DEVIS TECHNIQUE



Liste des équipements

MAIN ROOM

Notre salle principale a une capacité de plus de 1000 personnes selon la configuration. La salle est équipée d'un système de Sonorisation Meyer Sound, investissement avoisinant le demi-million de dollars, et spécialement adapté pour cette salle. Dans l'objectif de vous offrir le meilleur rendement pour votre événement, la calibration et les ajustements ont été optimisés en fonction des lieux et du respect de la réglementation au niveau sonore.

À noter qu'aucun changement des ajustements n'est possible, autre que les ajustements requis sur le mélangeurs DJ. Le système est muni de protection, mais nécessite une

supervision pour éviter un usage abusif et éviter des bris onéreux. Un technicien audio de notre organisation est nécessaire pour faire le lien technique.

Un écran Leds en hautes résolutions est disponible et rehaussera l'impact visuel de votre événement. À noter que nous pouvons vous fournir une ressource VJ au besoin.



Un système d'éclairage de type discothèque est à votre disposition, incluant robots, fixtures spécialisées et lasers. Nous pouvons également vous offrir canon CO2 et machine à brume. L'éclairage est assisté sur ordinateur via le système Onyx.

Un opérateur est nécessaire pour une soirée haute en couleurs avec un visuel qui rehaussera toute performance musicale. Un éclairagiste vous sera proposé avec la location de la salle.

LISTE DE MATÉRIEL

Système audio 46 700w:

- 6 Haut-parleurs de basse double 18'' Meyer Sound 700HP 28-150Hz, 2250w ch. 139db
- 6 Haut-parleurs principale Meyer Sound JM1P 53-18KHz, 2550w ch. 136db
- 2 Haut-parleurs ch. côté Meyer Sound CQ-2 35-18KHz, 1240w, 139db
- 1 Haut-parleurs de centre Meyer Sound UPA-1P 60-18KHz 1000w, 130.5db
- 3 Haut-parleurs de délais Meyer Sound CQ-2 35-18KHz, 1240w, 139db
- 7 Haut-parleurs satellites Meyer Sound UPA-1P 60-18KHz, 1000w, 130.5db
- 2 Haut-parleurs sur scène (VIP) UPA-1P 60-18KHz 1000w, 130.5db
- Moniteurs DJ stéréo (7000w) Meyer Sound incluant:
 - 2 Hautparleurs de basse 700HP 28-150Hz, 2250w ch. 139db
 - 2 Haut-parleurs Meyer Sound MSL-4 65-18KHz, 1240w, 140db

Écran Leds :

- 90 Tuiles Desay HB 2.9mm (500mm x 1000mm) / 3M x 12M / 40' x 10'
- 1 Contrôleur Novastar MCTRL4K 3 Entrées HDMI, 1 VGA, 2DVI, 1 Display Port

Éclairage et effets:

- 15 contrôleurs RVB Iluminarc Logic 1x36
- 11 bandes LED RGBW de 5 mètres
- 49 Spot LED RGB 18 Iluminarc Logic
- 37 luminaires LED à variation de couleurs RVB DMX

Strobes:

- 3 lampes stroboscope Xénon 1000 W DMX 3 canaux de haute qualité Data-Flash
- 4 lampes stroboscope Xénon 1000W-DMX 120V Chauvet Mega Strobe
- 8 lampes stroboscope Xénon 750 W DMX 2 canaux 120 V American DJ Golden Strobe
- 6 lampes stroboscope Xénon 750 W DMX 2 canaux 120 V Chauvet Mega Strobe II

Éclairages mobiles:

- 15 projecteurs LED DMX-512 Chauvet Q-SPOT-160
- 2 projecteurs LED DMX-512 Chauvet Intimidator Spot-LED
- 48 projecteurs LED DMX-512 Chauvet Minimoons-360
- 8 pièces centrales du système de lavage à LED American DJ StarShip

Lasers:

- 4 lasers Emma 6 watts ILDA DMX 30 kpps
- 4 lasers Emma 5 watts ILDA DMX 30 kpps

Effets:

- 1 MDG ATME - Machine à fumée haute performance
- 2 Cylindres CO2 et 2 buses doubles jets

RÉGIE :

- 1 Console ALLEN & HEATH SQ5 48 Canaux, écran tactile,
<https://www.allen-heath.com/hardware/sq/sq-5/>
- snake sur scène 12 in/4 out
- 1 ordinateur et Obsidian Onyx environnement, console NX-Touch
- QuickShow contrôle lasers

Équipements DJ

- 1 Mixeur Pioneer DJM900 NX
- 2 Platines Pioneer CDJ2000 NX2
- Hub ethernet Actif
- Micro SM58
- DJ Booth 8' x 2' x 41" L x P x H

Autres équipements disponible sur demande:

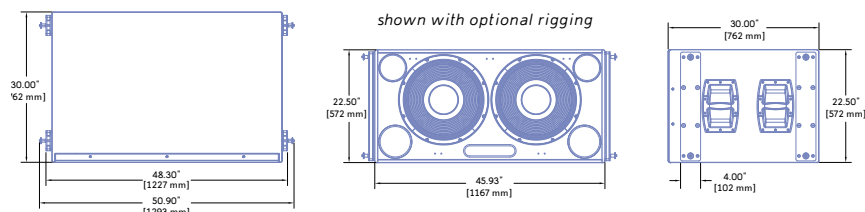
- Micros sans fil
- Sections de rideaux velours noires autoportantes
- moniteurs DJ Ev ETX12p
- Console X32 Producer et stagebox numérique
- Mixer Pioneer DJM-S9



700-HP : UltraHigh-Power Subwoofer



Dimensions	45.93" w x 22.50" h x 30.00" d (1167 mm x 572 mm x 762 mm)
Dimensions w/rigging	50.58" w x 22.50" h x 30.00" d (1285 mm x 572 mm x 762 mm)
Weight	204 lbs (92.53 kg)
Weight w/rigging	259 lbs (117.48 kg)
Enclosure	Multi-ply hardwood
Finish	Black textured
Protective Grille	Perforated metal grille lined with acoustical black mesh
Rigging	Optional QuickFly® rigging kit available, with aluminum and steel side rigging bars, AlignaLinks and quick release pins



The Meyer Sound 700-HP ultrahigh-power subwoofer sets a new standard for the power-to-size equation. The 700-HP's power and bandwidth handle high continuous operating levels and extreme transient information with minimal distortion in its operating frequency range.

Meyer Sound's rigorous design approach has been applied to extract the greatest efficiency from every part of the system, resulting in the 700-HP subwoofer's effortless reproduction of low-frequency transient information. The transducers, amplification and control electronics of the self-powered 700-HP are created as a symbiotic system that optimizes performance and maximizes its tremendous power.

The operating frequency range of 28 Hz to 150 Hz complements other Meyer Sound loudspeakers and line and curvilinear arrays in sound reinforcement applications requiring maximum headroom at the low end of the frequency spectrum.

The 700-HP subwoofer's efficiently tuned cabinet houses two back-vented, long-

excursion, 18-inch cone drivers. Each driver features a 4-inch voice coil and is rated to handle 1200 AES watts (see note 4 on back page). The Meyer Sound designed and manufactured drivers have also been engineered for extreme efficiency, using high-gauss neodymium magnets for the most powerful magnetic field strength. High magnetic field strength increases the driver's sensitivity, which yields greater output, while keeping heat dissipation requirements within operational tolerances.

An integral two-channel class AB/H amplifier with complementary MOSFET output stages supplies total peak power of 2250 watts (1125 watts per channel). With nearly twice the amplification power of the 650-P subwoofer, the 700-HP produces an average of 3 dB more overall SPL, with enormous headroom to accommodate the most extreme demands with ease. Tests conducted by Meyer Sound show the 700-HP producing significantly higher output than other "high-power" subwoofers.

The amplifier, control electronics and power supply are integrated into a single, field-

replaceable module mounted in the cabinet rear. The cabinet is constructed of multi-ply hardwood and coated with a textured black finish. Integral metal grilles lined with acoustical black mesh protect the cone drivers. The stackable 700-HP includes plastic skids on the bottom of the unit to prevent damage to the enclosure or the unit below; the skids align with slots on the cabinet's top to ensure secure stacking. For maximum convenience, the 700-HP can travel in stacks on the MCF-700 caster frame.

The 700-HP is truck-smart, with exterior cabinet dimensions suitable for both European and U.S. trucks. A QuickFly rigging kit is available, installed at the factory or as a field upgrade. Up to 11 cabinets can be suspended from the optional MTG-700 top grid in a straight hang at a 7:1 safety factor.

Options for the 700-HP include weather protection and custom color finishes for fixed installations and any situation requiring specific cosmetics. The optional RMS™ remote monitoring system module allows comprehensive monitoring of all key system parameters on any RMS-equipped host PC.

FEATURES & BENEFITS

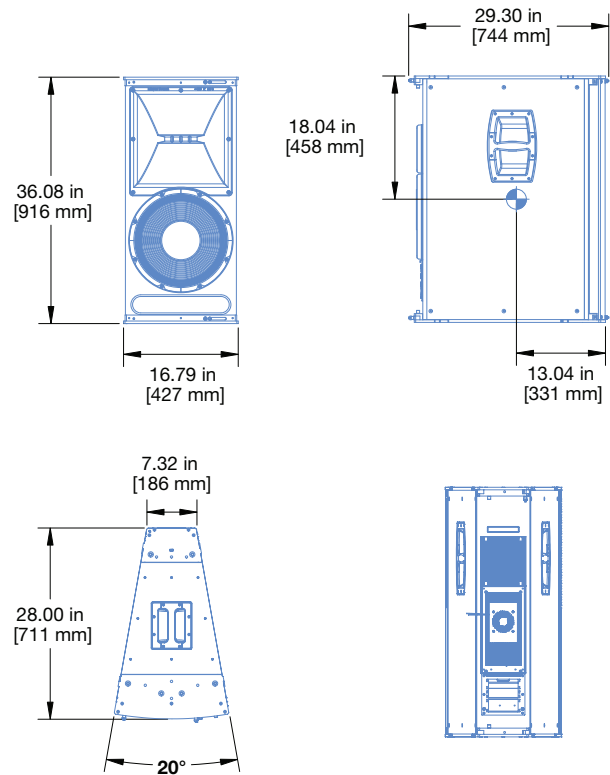
- Stackable
- Flyable using optional rigging kit
- Extremely low distortion for ultimate low-frequency clarity

- Very high peak power yields excellent transient reproduction
- Ultra-efficient neodymium magnet drivers
- Transportable in blocks using optional heavy duty caster frame

APPLICATIONS

- Stadiums, arenas and concert halls
- Medium-to-large theatres and clubs
- Theme parks
- Cinema

JM-1P Arrayable Loudspeaker



The JM-1P self-powered loudspeaker is a high-Q, arrayable loudspeaker suited for a wide range of applications. Utilizing Meyer Sound's patented REM® technology and trapezoidal cabinet design, the JM-1P can be deployed in tightly-packed array clusters to deliver coverage that is proportional to the number of units in the array. While JM-1P point source arrays are optimized for horizontal installations, they can also be used vertically when necessary. With its scalable coverage and versatile QuickFly® rigging options, the JM-1P loudspeaker can be used for touring, rental, and fixed installations.

Boasting a wide operating frequency range of 53 Hz to 18 kHz, the JM-1P delivers a remarkably smooth sound with ample low-frequency headroom. The JM-1P's drivers include one low-frequency, 15-inch, long-excursion cone driver, and one high-frequency, 4-inch compression driver with an REM manifold coupled to an extremely accurate horn. The JM-1P is distinguished by its Constant-Q horn that provides a coverage of 20° horizontal by 60° vertical. The loudspeaker's consistent polar response and trapezoidal enclosure allow for tightly packed arrays with minimal overlap in high frequencies.

The JM-1P's sophisticated onboard amplification and processing produces consistent and predictable results in any system design. A proprietary two-channel, class AB/H power amplifier with complementary MOSFET output stages yields a total power output of 2550 W peak. Built-in signal processing includes an electronic crossover, driver protection, and correction filters for achieving flat phase and frequency responses. Each amplifier channel has peak

and rms limiters that prevent driver overexcursion and regulate voice coil temperatures. Limiting activity is easily monitored with the rear panel limit LEDs.

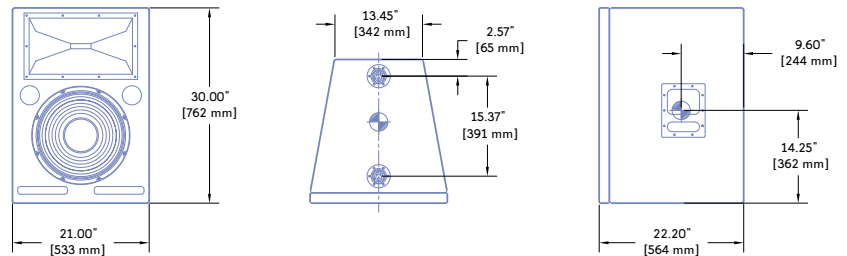
The optional RMS™ remote monitoring system provides comprehensive monitoring of system parameters on a remote Mac® or Windows-based computer running Compass® Control Software.

The JM-1P's end plates include captive GuideALinks™ and quick-release pins that allow the unit to be easily linked to other JM-1Ps in arrays. The optional MPA-JM1 pickup plate suspends JM-1P horizontal arrays of up to four units with uptilt or downtilt from a single hanging point; two pickup plates can suspend arrays of up to six units from a single hanging point or motor using the MTGSB-4B spreader bar. For additional flexibility, the optional MTG-JM1 vertical grid suspends vertical arrays of up to six units. The optional MDB-JM1 dolly board transports the JM-1P safely and securely; multiple dolly boards can be interlocked to transport up to three linked JM-1Ps.

Constructed of premium multi-ply birch, the durable JM-1P enclosure is coated with a slightly textured black finish. A hex-stamped steel grille with acoustical black mesh protects the unit's drivers. Other options include weather protection and custom color finishes for fixed installations and applications with specific cosmetic requirements.



CQ-2 : Narrow Coverage Main Loudspeaker



Dimensions 21.00" w x 30.00" h x 22.20" d
(533 mm x 762 mm x 564 mm)

Weight 130 lbs (58.97 kg); shipping 150 lbs (68.04 kg)

Enclosure All birch multi-ply

Finish Black textured

Protective Grille Perforated hex metal grille frame with charcoal-grey foam

Rigging Ring and stud pan fittings, two on both top and bottom. Working load for each fitting is 500 lbs (226.80 kg), which is 1/5 the cabinet breaking strength (with straight tensile pull); 3/8" or metric M10 nut plates optional

The CQ-2 narrow coverage main is a self-powered, phase-corrected reinforcement loudspeaker offering precise, high-Q coverage. The CQ-2 features a patented constant-Q horn design — the result of extensive research using Meyer Sound's calibrated anechoic chamber. The frequency response of 40 Hz to 16 kHz is uniform over the entire coverage area in both the horizontal and vertical axes, with no side lobes even when measured at a one-sixth octave frequency resolution.

The CQ-2 loudspeaker's unique combination of arrayability, precise pattern control, compact size, low distortion and high power make it suitable for a wide variety of installed and rental applications. As stand-alone or in arrays, the CQ-2 is perfect as the main PA in small to mid-sized auditoriums, houses of worship, clubs and hotel ballroom settings, and is highly effective in delayed fill applications for arenas and outdoor concert systems.

The CQ-2 loudspeaker's low-frequency section comprises a single 15-inch Meyer Sound cone driver, and the high-frequency

section utilizes a 4-inch diaphragm compression driver coupled to a 50-degree by 40-degree constant-Q horn.

The sophisticated MP-2/CQ-1 power amplifier is integrated into an accessible, lightweight rear module. The amplification, processing and protection circuitry produces consistent and predictable results in any system design. The proprietary two-channel amplifier employs Meyer Sound's proven class AB/H design with complementary MOSFET output stages, and delivers 1240 watts burst power (620 watts per channel). Audio is processed through an electronic crossover and correction filters for phase and frequency response, as well as driver protection circuitry.

Each amplifier channel has TruPower® limiting technology which maximizes loudspeaker reliability, minimizing power compression and extending component life. TruPower also affords higher continuous SPL capability at all frequencies with maximum headroom and regulates voice coil temperature. Limiter activity is easy to monitor with the limit LEDs on the rear panel.

The MP-2/CQ-2 amplifier's power supply incorporates Meyer Sound's Intelligent AC™ system, which performs automatic voltage selection, EMI filtering, soft current turn-on and surge suppression. Intelligent AC allows fail-safe operation worldwide, with no need to manually select the AC mains voltage.

The compact CQ-2 system is housed in an all-birch multi-ply enclosure with a textured, hard shell black finish. It is flyable and arrayable using standard ring and stud pan fittings on top and bottom rated at 500 lbs (226.80 kg) with a 5:1 safety factor. Optional 30- and 40-degree arraying rigging frames and mounting yoke allow fast, flexible installation and easy aiming in any application.

Options for the CQ-2 cabinet include weather protection and finishes in custom colors for fixed installations and other situations requiring specific cosmetics.

The CQ-2 integrates with the optional RMS™ remote monitoring system, which displays signal and power levels, driver status, limiter activity, and amplifier temperature on a remote Windows® computer.

FEATURES & BENEFITS

- Extremely smooth horizontal pattern for consistent sound
- Ultra-low distortion yields remarkable fidelity
- Extraordinarily flat amplitude and phase response for tonal accuracy and precise imaging
- Extended low-frequency response for stand-alone applications
- Constant-Q horn affords uniform response throughout the coverage area.
- Predictable performance ensures system design flexibility
- Narrow pattern enables precisely controlled coverage and arrayability and increases efficiency at high frequencies

APPLICATIONS

- Concert halls, theatres and houses of worship
- Downfill and delays in large-scale reinforcement
- Stage monitoring side fill
- Paging and announcing

MSL-4 *Self-Powered Reinforcement Loudspeaker*

FEATURES



Integrated control electronics and amplifiers



TruPower™ Limiting (TPL)



Intelligent AC™ System



Compatible with the Remote Monitoring System™ (RMS)



Long-throw



High-Q



Ultra-low distortion

*Superior
engineering
for the art
and science
of sound.*



**Meyer
Sound**



PATENTED

The MSL-4 is an arrayable, high-Q long-throw reinforcement loudspeaker. It operates with a very flat frequency response all the way from 18kHz down to an impressive 65Hz. To get an even lower range, the unit works well with mid-bass loudspeakers and subwoofers.

The MSL-4 is unique; it is the first high-power, high-performance, self-contained reinforcement speaker. By integrating the controllers, amplifiers, and speaker components into one unit, sound designers are no longer required to waste time fussing with different amplifier gains, rack wiring, loudspeaker

protection, or other problems that can compromise a system's performance. All that is required is to hookup AC power and run a good quality signal source into it. What could be simpler?

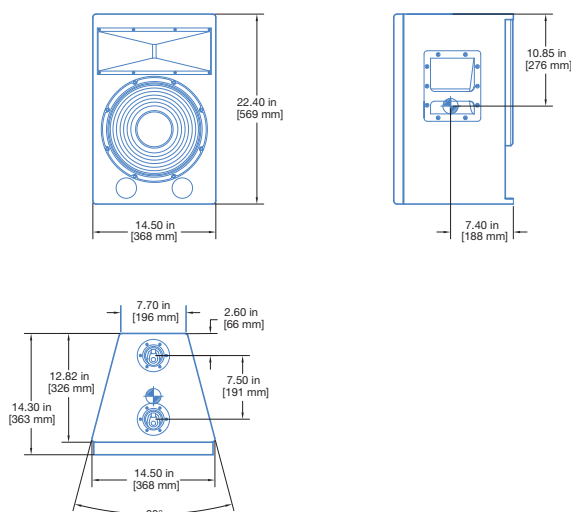
The MSL-4 literally does all the work. The power system utilizes the Intelligent AC system, which provides for automatic voltage selection, EMI filtering, soft current turn-on, surge suppression, and dual circuit breakers. It can even provide uninterrupted operation under limited brownout conditions.

The forced-air cooling system directs air over the

heatsink, not the electronics. This allows fewer contaminants into the amplifier, increasing its reliability.

The MSL-4 is highly arrayable, with a very precise coverage pattern: 40° horizontal by 35° vertical. The unit can be tight-packed to get high power over long distances, or splayed to increase the horizontal coverage.

UPA-1P Compact Wide Coverage Loudspeaker



The UPA-1P loudspeaker provides high power output, low distortion, and consistent polar response in a compact, vented two-way enclosure. The loudspeaker features a 12-inch cone low-frequency driver and a 3-inch diaphragm compression driver coupled with a 100° horizontal by 40° vertical constant-Q horn. The versatile UPA-1P has a variety of sound reinforcement applications including as a main front-of-house loudspeaker in small- to mid-sized venues and as a fill loudspeaker in larger systems.

The extraordinarily smooth and predictable behavior of its proprietary high-frequency horn distinguishes the UPA-1P. The result of intensive research in Meyer Sound's anechoic chamber, the patented UPA-1P horn design exhibits constant Q. The beamwidth remains consistent within close tolerances, in both the horizontal and vertical planes and across the horn's operating frequency range of 1200 Hz to 18 kHz. The result is uniform attenuation of all frequencies outside the specified beamwidth with minimal side lobing. Uniformly predictable polar behavior takes much of the guesswork out of system design and ensures arrays that exhibit minimal destructive interference.

A proprietary two-channel, class AB/bridged power amplifier with complementary MOSFET output stages drives the UPA-1P. Total peak power output is 1000 watts; audio is processed through an electronic crossover and correction filters for phase and frequency response, as

well as driver protection circuitry. Phase-corrected electronics ensure flat acoustical amplitude and phase response, resulting in exceptional impulse response and precise imaging.

The field-replaceable amplifier/processing package incorporates Meyer Sound's Intelligent AC™, which auto-selects the correct operating voltage, suppresses high voltage transients, filters EMI and provides soft-start power-up. The high common-mode rejection of the laser-trimmed differential input circuit permits long signal runs through a simple shielded twisted-pair cable. The UPA-1P cabinet provides XLR input and looping output connectors for balanced audio and a powerCON20 connector for power. The optional RMS™ remote monitoring system module provides comprehensive monitoring of loudspeaker parameters from a host computer running Compass® software.

Meyer Sound covers the durable trapezoidal enclosure with a slightly textured black finish and includes a protective powder-coated, hex-stamped steel grille with a black mesh. Standard rigging points are four ring and stud pan fittings (two each, top and bottom) with load rating of 420 lb (190.51 kg) at a 5:1 safety factor. Adjustable yokes and pole mount adapters are available. Options include weather protection and custom color finishes for applications requiring specific cosmetics.

FEATURES AND BENEFITS

- Exceptional fidelity, power capability and extended high-frequency performance
- Extraordinarily flat amplitude and phase response for tonal accuracy and precise imaging
- Constant-Q horn affords uniform response throughout the coverage area
- Predictable array performance ensures system design flexibility
- Surprising power capability in a compact package

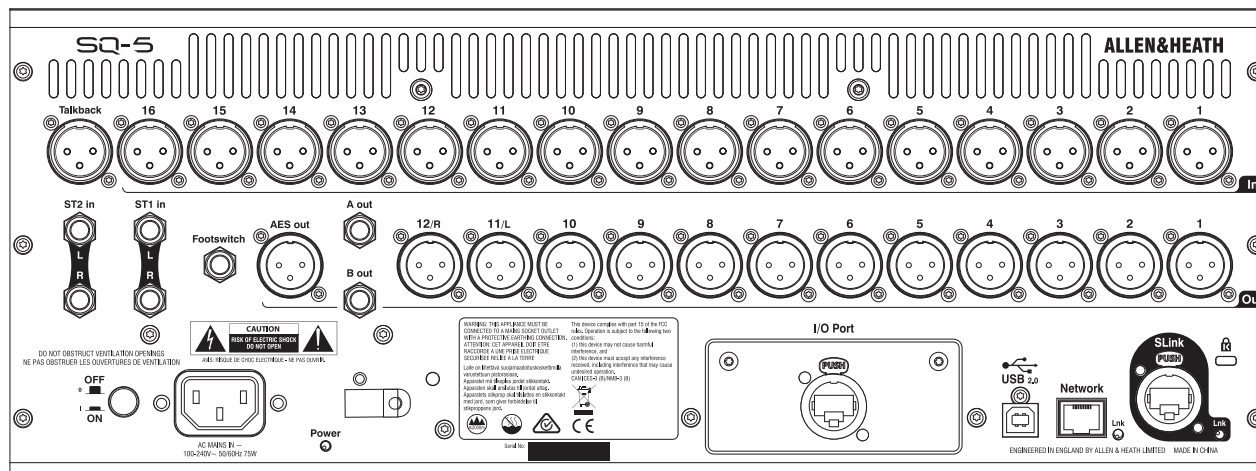
APPLICATIONS

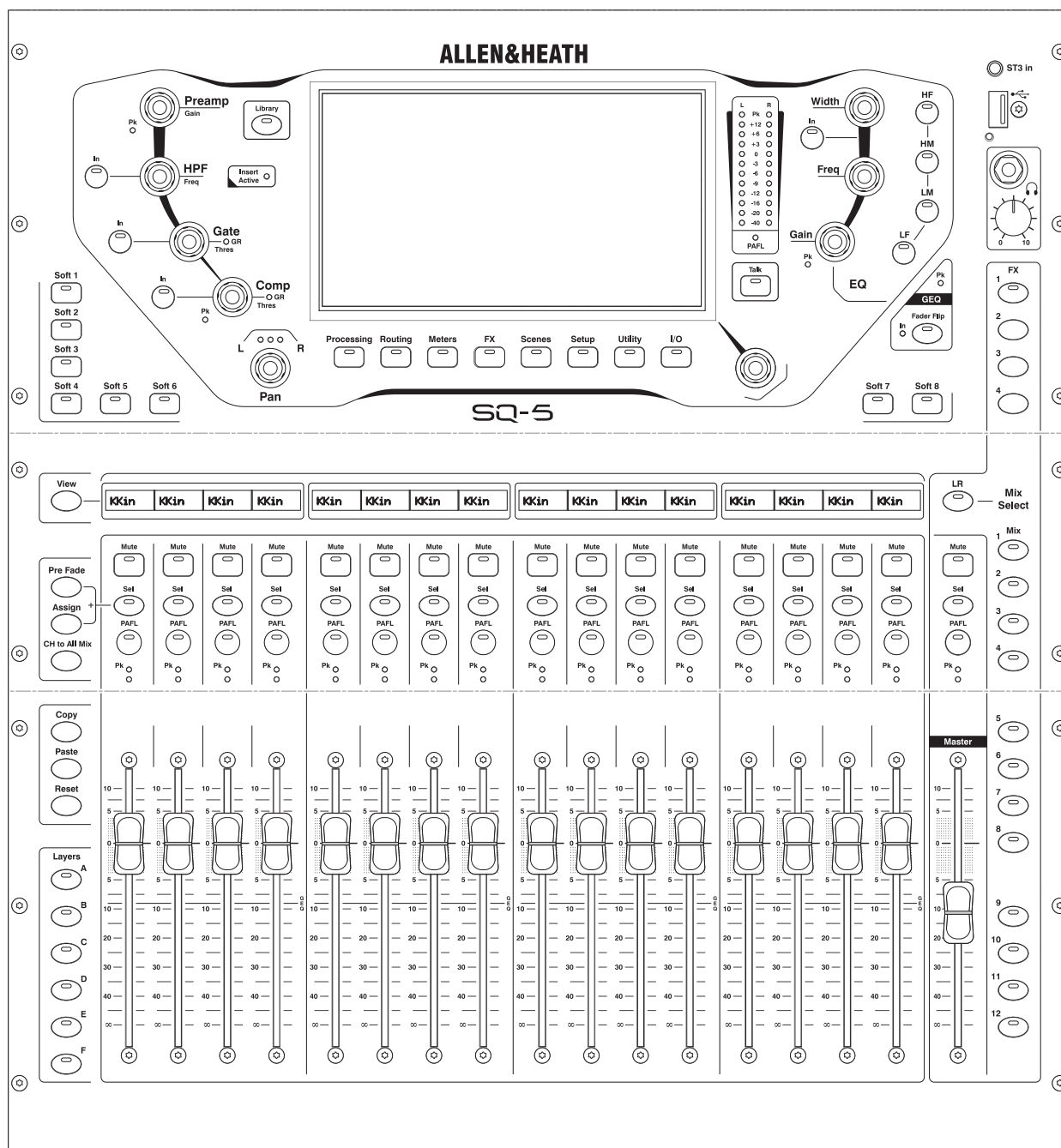
- Concert halls, clubs, houses of worship
- Theatrical sound reinforcement
- Portable and installed audio-visual systems
- Cinema surround sound and effects
- Compact voice reinforcement systems
- Frontfill and under balcony

Technical Datasheet

Overview

- Rack-mountable Digital Mixer for Live, Studio and Installation
- 48 Input Channels
- 16 Local Mic Inputs (XLR)
- 2 1/4" 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)
- 1/4" TRS Headphone out with dedicated control
- SLink EtherCON connection for remote audio using dSnake/ME, DX or GigaACE/GX protocol (128x128 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
- Chromatic Channel Metering
- Integrated Surface Illumination
- Single/Dual Footswitch Control
- Input channel pairs switchable mono/stereo
- Patchable Insert points
- Input processing – Trim, HPF, Gate, PEQ, Compressor, Delay
- Output processing – Graphic EQ, PEQ, Compressor, Delay
- DEEP Automatic Mic Mixing
- 2 31/61 Band Real Time Analysers
- 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
- MIDI via USB or TCP/IP, including DAW control options
- Remote mixing apps for iPad, Android, Mac and PC
- 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.