



PA EQUIPMENT GUIDE

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INTEGRAL MUSIC PA SYSTEM

FOH mixer placed on stage with cat 5 x 2 connection as well as Wi-Fi hotspot x2 for backup direct to engineers position up high in private booth.



Soundcraft UI24r full digital console

- FOH Control
- HP i3 Laptop x 2 Hard Wired and Wi-Fi
- Wireless Mouse x2
- In Booth

ALTO 1202 LIVE MIXER 12 CHANNELS

Also, in booth Alto 1202 live mixer 12 channels for direct audio input over XLR into FOH
Sennheiser 818s2 mic for engineer talkback or D' talk over.

- FOH 18k Watts System
- Bass 4x Alto TS315s
- Mid Tops 4x Alto TS415
- On Stage Monitoring
- 2k Watts
- 2x Alto TS215
- MC Microphone
- Wireless SM58



FULL EQUIPMENT SPECIFICATIONS BELOW

Ui24R brings together industry-leading HARMAN technologies to deliver unprecedented power and mission-critical stability. Renowned Studer preamps deliver rich sound for live performance and multi-track recording, while iconic Lexicon reverbs, choruses, delays, and dbx compression offer polished results for vocals, acoustic guitar and more. dbx AFS2 automatic feedback suppression is available on all monitor outputs, providing an excellent live experience. Plus, DigiTech guitar amp modelling brings a host of effects to any performance, particularly when low stage volume is desired.

When you need a mixer with comprehensive connections and a compact footprint, Ui24R provides the perfect, streamlined solution. The Ui24R allows you to mix from multiple sources including 10 combo 1/4"-TRS/XLR, 10 XLR, 2-line level inputs, and 2 channels of digital USB playback for a total of 24 channels. With its flexible and high-quality I/O, Ui24R gives venues, bands and engineers room to grow, with expanded creative options. Control Ui24R from the device of your choice (tablet, phone, PC, Mac) via iOS, Android, Windows, Mac OS and Linux browsers, without installing apps. Onboard dual-band WiFi ensures you (and up to 9 members of the band) can always stay in control without relying on an independent router or the venue's WiFi. Musicians can adjust their individual mix on stage while the FOH engineer optimizes the audience experience.

Ui24R is more than just a complete mixing system—it's also a top-notch recording tool. Enjoy peace of mind with dual-path, multi-track recording of all 22 inputs and your stereo mix, directly to a USB storage drive AND a connected computer. The multi-channel USB audio interface also makes it easy to integrate the Ui24R into your recording studio for production work with your favourite DAW.

The Ableton Live 10 Lite software is an included download with all Ui Series mixers. Feed your creativity with this fast, flexible and sequencing workstation. From built-in instruments, sounds and effects to recording and mixing features, Live 10 Lite gives you everything you need to create, produce and perform.

Traditional mixers offer lots of functionality but can only be controlled from the mix console position. The Ui24R surface less mixer combines the power and versatility of a large-format console with a compact design and complete Wi-Fi control. With Ui24R, you can finally have the features you need, plus the freedom to control your mixer from anywhere in the venue.

With the free v3.0 firmware update, the Soundcraft Ui24R has been enhanced with Cascading and several other significant new features.

Cascading enables you to connect two Ui24R systems via Ethernet to expand your mixing capability with a new 32x32 bi-directional audio bus. Add a second Ui24R to double your mic inputs or connect two Ui24R mixers and control two fully independent mixes, such as FOH and monitors, or FOH and streaming mixes.

- Cascading: Double your inputs or double your mixes
- Cue Recall: save mix settings as Cues and then quickly and seamlessly recall them
- UDP Control Recall: for triggering lighting control snapshots
- Lexicon Reverb PreDelay: easily set the time before first surface reflections and simulate desired acoustic environments

More than 25 new supported touch screens

And more, described in the downloadable Ui24R 3.0 Firmware Addendum document

FEATURES

- Renowned Soundcraft quality and performance
- Built-in dual-band Wi-Fi eliminates the need for a router to provides a reliable connection to up to 10 mobile devices in mission critical situations
- Control Ui24R from iOS, Android, Windows, Mac OS and Linux browsers without installing additional apps
- Record and mix with the warmth of 20 professional-quality Studer-designed preamps
- dbx compression and iconic Lexicon reverb and delay processing
- 2 channels of DigiTech guitar amp modeling
- Dual-path, redundant multi-track recording of all 24 inputs to USB drive and connected Mac/PC
- 24 simultaneous inputs (10 combo ¼" TRS/XLR, 10 XLR, 2 line level, 2 digital)
- 4-band parametric EQ, high-pass filter, compressor, de-esser, and noise gate on input channels
- 31-band graphic EQ, noise gate, compressor, and dbx® AFS2 Automatic Feedback Suppression on all outputs
- Real-time frequency analyser (RTA) on inputs and outputs
- Compatible with Mac/PC DAWs and other music software
- Compatible with Harman Connected PA application and system for easier setup and control
- 4U rackmount design

(20) Mic Preamps: Studer designed, 10 combi, 10 XLR (2x) Line Inputs: -10 unbalanced (2x) Master Outputs: +4 XLR, with individual volume pots (2x) Headphone Outputs: With shared volume pot (8x) AUX Outputs: +4 XLR with 32 band graphic and dbx AFS2 Feedback Suppression USB PLAY: USB A port USB RED: USB A port USB I/F: USB B port USB 1: USB A, for controllers (such as a computer mouse) USB 2: USB A, for software update installation Footswitch: ¼" for closure pedal event trigger Ethernet : RJ45, for LAN connections

HP I3 LAPTOPS

- HP 250 G8 Notebook 39.6 cm [15.6] Full HD Intel Core i3 8 GB DDR4-SDRAM 256 GB SSD Wi-Fi 6 [802.11ax] Windows 10 Pro Black (HP 250 G8 2E9J0EA#ABU Laptop, 15.6 Inch Full HD 1080p Screen, Intel Core i3-1005G1 10th Gen, 8GB RAM, 256GB SSD, Windows 10 Professional)
- 2E9J0EA#ABU



ALTO TS315S - X 4



2000-WATT 15" POWERED SUBWOOFER

- 2000 watts of peak power output
- High-efficiency Class D amplifier
- Transducer: 15-inch with 3-inch high-temperature voice coil
- (2) XLR+1/4-inch combo inputs + (2) balanced XLR line outputs
- XLR outputs, with six discreet DSP output modes for ideal matching with companion full-range speaker
- Polarity Reverse switch and Extended LF switch for increased EQ control
- Electronic clip, thermal and transducer overdrive protection
- Rugged, internally braced front ported MDF cabinet with integrated 36mm pole socket
- Rugged, mar-resistant splatter-spray finish always looks good, even with heavy use
- Designed and tuned in the USA
- Dimensions (H x W x D): 21.3â€ x 20.6â€ x 24.7â€ / 542mm x 523mm x 628mm
- Weight: 78.48 lbs. / 35.6 kg

ALTO TS415 TOPS - X4



2500-WATT 15-INCH 2-WAY POWERED LOUDSPEAKER WITH BLUETOOTH® DSP & APP CONTROL

- 2500 W peak (1600 LF + 900 HF) 1250 W continuous RMS (800 LF + 450 HF)
- FREE Alto App (iOS/Android) for remote configuration and control
- Bluetooth® audio streaming direct from device
- On-board DSP with 4 Speaker Use modes (inc. Custom EQ via App)
- True Wireless Stereo speaker linking via Bluetooth®
- Integrated 3-channel mixer with dual XLR ¼-inch combo inputs, mic/line switches and independent level controls
- XLR Mix output, Speaker Use, and Sub Size Controls
- 15" driver, 2.5" (63 mm) high-temperature voice coil
- 1" exit ceramic driver with 1.4" (35 mm) coil
- Lightweight enclosure for easy transport, set up and installation
- Versatile design - pole-mountable, wedge monitor or flown application with integral M10 suspension points
- Powerful and efficient class D amplifiers with fanless cooling design to run cleaner, quieter and with greater long-term reliability
- Designed and tuned in the USA

MONITOR TS215 – X 2



1100-WATT 15-INCH 2-WAY POWERED LOUDSPEAKER

- 550W continuous, 1100W peak Class D power
- 15-inch (381 mm) LF driver, 2.5-inch (63.5 mm) high-temperature voice coil
- 1-inch (25.4 mm) neodymium HF driver with precision waveguide
- Bi-amplified design with precision active crossover and EQ
- Integrated 2-channel mixer with dual XLR 1/4-inch combo mic/line inputs and independent level controls
- Custom engineered high-efficiency class D amplifiers with passive cooling design.
- No fan means the speaker runs cleaner, quieter and has greater long-term reliability
- Ground-Lift switch
- Contour switch for increased EQ control
- Electronic clip, thermal and transducer overdrive protection
- Compact, lightweight, trapezoidal cabinet design for easy transport and installation
- Angled rear panel for wedge monitor applications
- Stand and pole mountable with integral M10 suspension points
- XLR Link output
- Designed and tuned in the USA

AUDIO INPUT ENGINEER BOOTH ALTO 1202 LIVE



PROFESSIONAL 12-CHANNEL/2-BUS MIXER

- 7 XLR inputs with high-DNA, μ C mic preamps
- Dynamic compression (Channels 1-4)
- 3-band EQ plus 2 aux sends per channel
- 60mm faders with mute switch and LED meters
- USB audio connectivity with level control
- 100 Alesis DSP effects
- Balanced XLR, balanced/unbalanced 1/4 outputs
- 9-band graphic EQ for main or monitor outputs
- Headphone out with independent level control

SENNHEISER 818s2 ENGINEER / DJ MICROPHONE



The 818s2 pushes the potential of dynamic microphones to the limits of what is technically viable. The direct, focused sound gives every voice greater presence and intensity. Its sophisticated transparency and the richness of the low and middle ranges create an unparalleled acoustic closeness.

Time and effort have gone into newly tailoring the acoustics of the 818s2 for modern stages and the most demanding of live productions. An all new highly developed aluminium-copper voice coil forms the basis for a noticeably direct and nuanced sound.

This high-rejection super cardioid microphone systematically blocks out ambient noise, guaranteeing maximum protection from feedback in the most demanding environments.

- Dynamic vocal microphone
- Very lightweight, rapidly responding aluminium- copper voice coil
- High-resolution, direct sound for audibly greater proximity to the vocals
- Directionality: high-rejection super cardioid
- Extremely high feedback resistance
- Large diaphragm diameter
- Spring-mounted capsule to shield it from body-borne noise
- Hum compensation coil to eliminate electromagnetic interference
- Rugged metal design

SHURE SM58 WIRELESS MC MICROPHONE



BLX2/SM58 Features	Specification
Cartridge Type	Dynamic
Frequency Response	50 to 15,000 Hz
Polar Pattern	Cardioid
Output Impedance	150 Ohms
Sensitivity	-54.5 dBV/Pa (1.85 mV)
Transmitter weight	218 g
Battery life alkaline	14 h
Form Factor	Handheld
Transmission	Analogue

All cables etc balanced ofc copper throughout fully installed professional system ready to use