



Theatres & Venues

Installation at Queens Hall, Dunoon

The Requirement

Demonstrating the ability of Adlib's Glasgow office to support any Scottish location, Adlib's Special Projects team supplied and installed a new audio, lighting, video, and rigging system at the refurbished Queens Hall Dunoon.

Following an open tender process Adlib was selected as they could deliver all aspects of the project including stage lighting, audio, video, and mechanical engineering as part of a complete package.

The Solution

Sound System

The main audio system is a K-Array line array system comprising 8 x Kayman KY102 line array elements and 2 x Thunder-KMT218P, ultra-light, high power dual 18" passive subwoofers powered by a KA84 amplifier.

The system is controlled by a QSC Q-Sys Core processor with control via wall mounted touchscreen control along with wireless control via an iPad. For larger performances, Adlib supplied a portable Adlib MARS PA System comprising 2 x Adlib Audio FD3P, and 2 x Adlib Audio 215HL-V2.

Six stage boxes are installed on stage with a central patch bay in the gallery providing options for audio and video inputs throughout the performance space with a wireless Green-Go comms system supplied for technical staff communications during events.

A Soundcraft Si Expression 3 digital mixing console with digital stage box is available at front of house for expanded presentations and performances.



Phased-array induction loops have been installed offering coverage to both the main dancefloor along with the retractable seating areas.

Adlib also supplied a six-channel Sennheiser G3 wireless microphone package including a mix of handheld and belt pack transmitters.

Additional speakers were installed in the 1st floor bar, café, and reception areas for background music and paging announcements as well as a dedicated sound system in the soft play area and fitness suites. These systems are controlled via a cloud DCM-1 audio matrix controller. The fitness suites feature 4 wireless headset microphones used for verbal coaching.

Overhead Rigging Solution

Adlib has considerable experience installing mechanical engineering systems in live event spaces. The rigging system called for the introduction of a powered lifting solution to support a rectangular lighting truss in the main auditorium. This required Adlib's engineers to supply and install motorised chain hoists, truss and lighting power and control infrastructure as well as installing and load testing the rigging points and the truss solution as a whole.



On the stage, electrically operated winch units raise and lower internally wired lighting bars. The rigging on stage was also enhanced by 32 new 3-line hemp sets with new pulleys, hauling ropes and suspension barrels.

A motorized variable-speed proscenium track was installed for the house curtain as well as providing new decorative velour curtains.

Performance Lighting

A range of generic and LED fixtures were supplied, all controlled by an ETC Element 40 desk with 19" touch screens. Fixtures include ETC ColorSource Spots, ETC Source Four Zoom profiles, ETC ColorSource PARs, ETC ColorSource Linear 2s, Chauvet Profile Moving Heads, and an LDR Canto follow spot.

Video Projection System

A 10,000 lumen Panasonic laser projector, short throw zoom lens, and 5 metre flown projection screen were supplied by Adlib and are available to users of the theatre.

Show Relay and Comms System

The audio and video show relay system comprises a Panasonic PTZ camera and wall mounted stage microphone is broadcast via LED displays installed in the dressing rooms, bar, and stage wings. For comms and show-calls, a combination of wired and wireless Green-Go communications systems were installed.

Staff Training

Following supply and installation of equipment, Adlib's team provided on-site training to the venue staff on correct and safe use of the equipment. Moving forward, the venue's technical team also have access to Adlib's after care support ensuring continued best use of all new equipment, its welfare, and maintenance.

The Result

A creative approach to logistical challenges helps Adlib deliver value for money. On this occasion the drive from Adlib's Glasgow office to Dunoon was long so all deliveries were made using a regular ferry service from Glasgow!

Regular meetings on site prior to and during works, throughout the duration of the project between members of Argyll and Bute Council and Adlib's dedicated project management and installation team ensured all solutions met and exceeded expectations. This contract allowed Adlib to develop very positive relationship with the client and has led to Adlib completing work at other venues within this stunning waterside location.



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