



CRANLEIGH VILLAGE HALL TECHNICAL SPECIFICATION

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SYSTEM DESCRIPTION

Cranleigh Village Hall has an audiovisual and lighting system that can be scaled to the needs of individual groups hiring the space. For general day to day hire of the venue there is a simple system controlled via a tablet located in the stage left wing. This provides users with easy access control over audio levels, the projection system and six pre-programmed lighting states. This system control mode is suitable for groups hiring the space to hold conferences, talks or simple events. For larger scale theatrical and performance events, the system can be expanded to allow the use of a provided lighting control desk and digital sound desk. Combining these with facility panels located around the venue, allows for patchable audio, dmx and network.

GENERAL USE MODE

The system is controlled by an Allen & Heath AHM 16 processor in the technical rack located in the stage left wing. When the system is powered on, the AHM 16 will boot into the General Use mode. To confirm this is the current mode, the first square button will be lit up red. All the features available in the General Use mode can be controlled via the tablet mounted to the wall in the stage left wing.

AUDIO

The General Use mode provides audio mixing control over two wireless microphones, a lectern microphone input (located in the floor box down stage left), the audio from the hdmi sources and the audio from the stereo input below the tablet. The audio level of these can be raised and lowered via the touch screen faders on the control tablet. A bluetooth receiver has been provided and left connected to the input below the tablet. This has a very long range and it is possible to play audio from a device anywhere in the space. On your bluetooth devices' settings, search for the device called TaNix-07 and connect to it for audio playback.

Sound reinforcement is provided by an EM Acoustics Halo-C line array system with six boxes flown and a S-215 at ground level each side of the proscenium arch.

LIGHTING

The General Use mode provides six preconfigured lighting states that can be recalled from the control tablet. The lighting fixtures available in this mode consist of:

- 4 x Chauvet Ovation E2-FC profiles rigged on the first two vertical bars in the auditorium
- 6 x Chauvet Ovation F415FC fresnels rigged from the first lighting bar on stage
- 2 x Robe LEDbeam 350 moving washes rigged from the first lighting bar on stage
- 5 x LEDJ 200W COB RGBAL pars rigged from the second lighting bar on stage
- 3 x Chauvet Ovation Cyc 3FC flood lights rigged from the second lighting bar on stage
- 8 x Chauvet Ovation H605FC house lights rigged from the vertical bars in the auditorium
- 8 x LEDJ 200W COB RGBAL pars rigged for acoustic panel lighting
- 4 x Chauvet Ovation E2-FC profiles rigged acoustic panel lighting

The focus of these lights have been set during commissioning and any repositioning will effect their useability in the preset lighting states. They therefore cannot be re-focussed.

VIDEO

The General Use mode allows for control of the projector power and screen raise/lower from the control tablet. There are 4 HDMI ports located in facility panels around the venue (1x in stage left wing, 1x in stage left floor box, 1x in rear of hall control position and 1x in balcony control position). These input ports all link back to a HDMI switcher located in the technical rack, plugging a video source into any of these ports will automatically select it as the input source for the projector. It is also possible to manually select the input source via the buttons on the top of the HDMI Switcher.

EXTENDED USE MODE

The Extended Use mode allows for control over the system using the provided digital sound and lighting desks. This allows for a greater number of audio inputs using the secondary rack in the stage left wing and finer control of the audio parameters. Using the provided lighting desk allows for full control over all of the lighting fixtures in the General Use mode plus the moving lights on the front of house bar and the floor cyclorama lights. The system is switched using the second page of the wall tablet. To confirm the system is in extended use mode, the fourth square button on the AHM 16 will be lit red.

AUDIO

In Extended Use mode, audio mixing is possible using the provided Allen & Heath SQ5. Extended Use mode can be enabled via the tablet in the stage left wing. On the second page set the audio system to 'Desk Control', this will change the preset on the AHM 16 processor to give control of the General Use input devices and the audio output devices to the SQ5. The SQ5 will need to be connected into the system using 2x Ethercon cables. These Ethercon cables must be connected between the S Link outputs of the SQ5 and any of the Ethercon patch points in the wall boxes around the space. A link from the selected wall box input must be made to the AHM 16 and AR2412 in the cat 6a patch bay located in the stage left wing rack.

In addition to the inputs provided for the General Use mode, the Extended Use mode audio system gives the possibility to control 24 input channels and 12 output channels. This extended channel count is provided by the Allen & Heath AR2412 located in the wall mounted rack in the stage left wing. Distributing these inputs around the stage space is possible via the xlr patch below the AR2412 to the wall mounted boxes around the stage.

A party line intercom system is distributed to six points around space via the wall boxes. 4x Tecpro beltpacks and single muff headsets are provided to make use of this system.

LIGHTING

In Extended Use mode, full lighting control is possible using the provided Zero 88 FLX s48. Extended Use mode can be enabled via the tablet in the stage left wing. On the second page set the lighting system to 'Desk Control', this will change the preset on the AHM 16 processor to give control of the lighting fixtures around the space over to the FLX s48. The FLX s48 will need to be connected into the system using 2x 5pin DMX cables. These DMX cables must be connected between the DMX outputs of the FLX s48 and the DMX points in the wall boxes at the control positions. A link from the selected wall box input must be made in the DMX patch bay located in the stage left wing rack.

Additional lighting fixtures are available for use in the Extended Use mode, these are:

- 2 x Robe LEDbeam 350 moving washes rigged from the winch bar
- 2x Chauvet Maverick Force S moving profiles rigged from the winch bar
- 3 x Chauvet Ovation Cyc 3FC flood lights deployable onto the stage floor

TECHNICAL SPECS

Access

Loading via the main double doors to the front of the hall

Soft Masking

Half Stage Split

Upstage walk along

4x Swivel legs

Rigging

There are two fixed IWBs above the stage wired with one data point and two power circuits each.

There is a pile winch hoist bar front of house. This has one data point and two power circuits (powerCon). The bar has a SWL of 150 kg UDL and is controlled via a motor control point in the stage right wing.

Power Distribution

Power is distributed around the space presenting as PowerCon True1 outlets. These are located on the lighting bars and at facilities panels around the stage and at high level front of house

TECHNICAL SPECS

Sound

Equipment available in General Use mode

Sound Control: Tablet in Stage Left wing

Sound Processing: Allen & Heath AHM16

House PA: Flown left and right arrays; 6x EM Acoustics Halo-C per side

Ground level left and right subwoofers; 1x EM Acoustics S-215 per side

Microphones: 1x JTS UF-20R Dual Channel receiver

2x JTS UF-20TB Beltpack Transmitters

2x JTS J55-20 Handheld Transmitters

1x JTS GM-512c Lectern Microphone

Misc: 1x Bluetooth Receiver

Additional equipment available in Extended Use mode

Sound Desk: Allen & Heath SQ5

Comms: 4x Tecpro BP523 with single ear headsets

Additional PA: Deployable stage monitors; 2x FBT Ventis 110a

TECHNICAL SPECS

Lighting

Equipment available in General Use mode

Lighting Control: Tablet in Stage Left wing

Lighting Power: Zero 88 Rigswitch 2; 12 channels of switchable Hot Power

Lighting Fixtures:

4 x Chauvet Ovation E2-FC profiles rigged on the first two vertical bars in the auditorium

6 x Chauvet Ovation F415FC fresnels rigged from the first lighting bar on stage

2 x Robe LEDbeam 350 moving washes rigged from the first lighting bar on stage

5 x LEDJ 200W COB RGBAL pars rigged from the second lighting bar on stage

3 x Chauvet Ovation Cyc 3FC flood lights rigged from the second lighting bar on stage

8 x Chauvet Ovation H605FC house lights rigged from the vertical bars in the auditorium

8 x LEDJ 200W COB RGBAL pars rigged for acoustic panel lighting

4 x Chauvet Ovation E2-FC profiles rigged acoustic panel lighting

Additional equipment available in Extended Use mode

Lighting Control: Zero 88 FLX s48

Lighting Fixtures:

2 x Robe LEDbeam 350 moving washes rigged from the winch bar

2x Chauvet Maverick Force S moving profiles rigged from the winch bar

3 x Chauvet Ovation Cyc 3FC flood lights deployable onto the stage floor

TECHNICAL SPECS

AV

Equipment available in General Use mode

Projector: Panasonic PT-MZ11KL

Projection Screen: Sapphire 16:10, 4m wide motorised screen mounted upstage of the proscenium arch