

Main Hall Technical Details

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This is a working document, GTC reserves the right to update and modify information here at any time. Hirers affected by the changes will be notified by GTC at such time.



1. Intro

Included here is the technical information needed for touring groups and hirers wishing to stage a production. All equipment listed in this document is **only** to be used with express permission of the Hall Management Team as part of a booking, hire, production, or performance. After a performance run, all light and sound settings **must** be returned to the default settings, ready for the next hirer. Extra charges may be applied to your invoice if not. If you're looking for specific information that is not included in this document that's vital for your planning, please get in touch with the Hall Management Team at: halladmin@grangeoversandstowncouncil.gov.uk or hallmanger@grangeoversandstowncouncil.gov.uk



Figure 1: The Stage area of the Main Hall

2. Hall Dimension

Main Hall	
Max Capacity	Up to 288
Hall Dimensions	18.5m x 10.75m (196m ²)
Ceiling Height	8.45m
Stage Dimensions	6.5m x 7m stage space + wings
Tables	27 in store: 6ft x 18 5ft x 5 4ft x 4 3ft x 2
Chairs	148 in hall + 96 in store 244 total
Other features	Screen, projector, sound system, stage, stage lighting, temporary staging, sound/lighting control desk, grand piano, orchestra pit, wi-fi

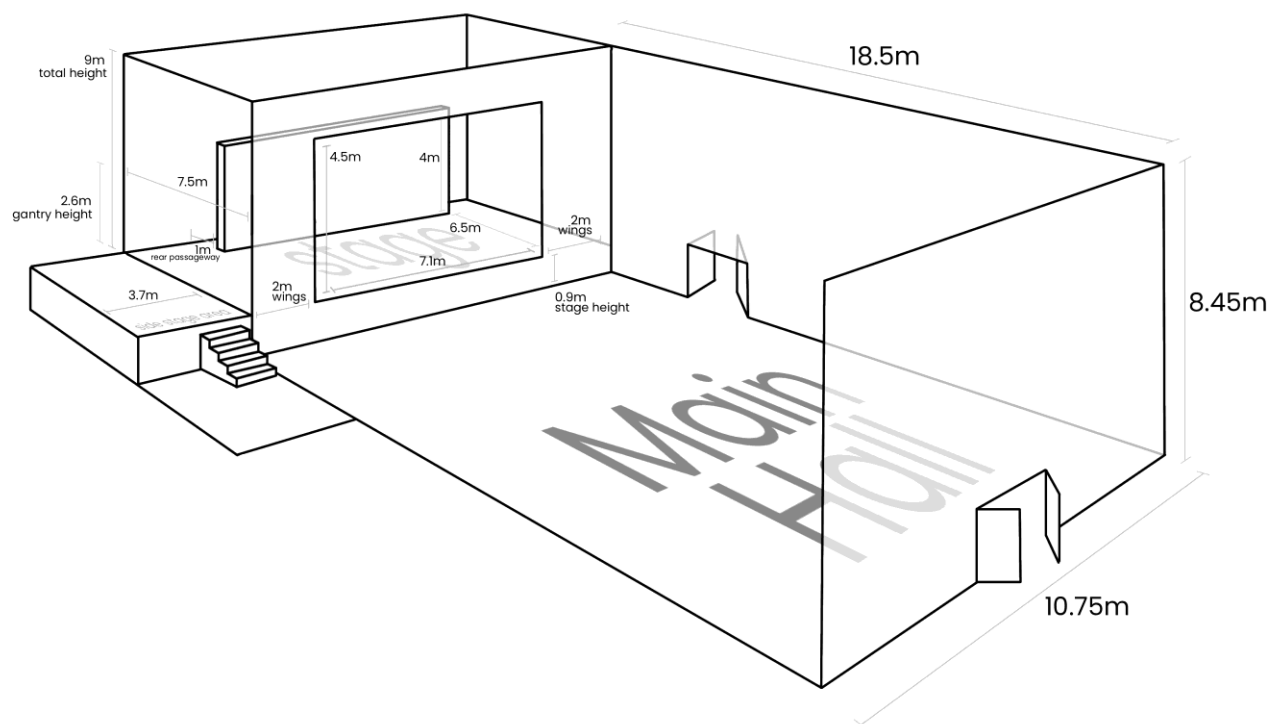


Figure 2: Main Hall and Stage Dimensions

3. Lighting Tech Specs

The Lighting Desk is a Chamsys QuickQ 10. The manual can be found here:

https://docs.chamsys.co.uk/quickq/10.0/_exports/quickq-10.0.pdf



		QuickQ 10
User Interface	Touchscreen	9.7"
	Maximum Fixtures	512
	Fixture Types	Dimmers and LEDs
	Multifunction Faders	20
	Dedicated Hue & Saturation Encoders	Y
	Attribute Encoders	0
	Playback Faders	2 Chase, 1 Cue Stack
	Cue Stacks	1
	Dedicated Home Button	Y
Connections	USB Ports	2
	10/100 Mbps Ethernet Port	1
	External Monitor	up to 1920x1080 HDMI
	Audio In & Out	Y
	10Scene Ports	0
	WiFi	802.11bgn 2.4G
DMX Output	DMX Universes	1
	5pin XLR DMX Outputs	1
	sACN	Y
	Art-Net	Y
	PathPort	Y
MIDI & OSC	OSC	Y
	MIDI	N
	MIDI Timecode	N

		QuickQ 10
Physical	Size (W x D x H mm)	525 x 350 x 106
	Weight	4.7Kg
	Power	12v DC
	Power Supply	External 12V 2A
Item Code		100-710

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Lighting Specs

Fixture	Bar
Mini 7x40W	LX4
LEDJ Spectra Batten RGBW	LX4
Mini 7x40W	LX4
LEDJ Artisan 1200 Profile	LX4
LEDJ Spectra Batten RGBW	LX4
Mini 7x40W	LX4
LEDJ Spectra Batten RGBW	LX4
Mini 7x40W	LX4
LEDJ Artisan 2000 Dual White	LX3
LEDJ Artisan 2000 Dual White	LX3
LEDJ Artisan 2000 Dual White	LX3
LEDJ Artisan 2000 Dual White	LX3
Mini 7x40w	LX2
Mini 7x40w	LX2
Mini 7x40w	LX2
Mini 7x40w	LX2
LEDJ Artisan 2000 Dual White	LX1
LEDJ Artisan 2000 RGBWA	LX1
LEDJ Artisan 2000 Dual White	LX1
LEDJ Artisan 2000 Dual White	LX1
LEDJ Artisan 2000 RGBWA	LX1
LEDJ Artisan 1200 Profile	LX1
LEDJ Artisan 2000 Dual White	LX1
LEDJ Artisan 2000 Dual White	LX1
LEDJ Artisan 2000 RGBWA	LX1
LEDJ Artisan 2000 Dual White	LX1
LEDJ Artisan 2000 Dual White	FOH SR Boom
LEDJ Artisan 2000 Dual White	FOH SR Boom
LEDJ Artisan 2000 RGBWA	FOH SR Boom
SHEHDS White COB Moving Head	FOH SR Boom
LEDJ Artisan 2000 Dual White	FOH SR Bracket
200w Blinders	FOH SR Bracket

Fixture	Bar
LEDJ Artisan 2000 Dual White	FOH SL Boom
LEDJ Artisan 2000 Dual White	FOH SL Boom
LEDJ Artisan 2000 RGBWA	FOH SL Boom
SHEHDS White COB Moving Head	FOH SL Boom
LEDJ Artisan 2000 Dual White	FOH SL Bracket
200w Blinders	FOH SL Bracket
SHEHDS White COB Moving Head	Balcony SL
200w Blinders	Balcony SL
200w Blinders	Balcony SR
SHEHDS White COB Moving Head	Balcony SR
Multipack	Stage Manager

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To Switch On

You may not need everything on for your event.

If you just require the "Orchestra Pit" area lit, locate the two wall switches – one near the side fire exit, one directly opposite near the side corridor door. Switch both the wall switches labelled "Orchestra Lights" on – they will then come on at a set level (assuming the lighting desk is switched off).

Alternatively, if you wish to use the lighting desk to control the lights, you have a bit more flexibility:

- If you only need the stage lit, just turn on the bit switch down the side of the sound cabinets at the stage manager's position. This will switch on everything you need, including the lighting desk if it is at that stage manager's station.
- If you would also like the orchestra pit lit, then switch on the switches mentioned above.
- If you would also like either houselights, or the extra moving lights in the balcony, then switch on the two switches labelled "Houselights" under the "Orchestra Light" switches, and also go to the back by the bar and locate the two switches there for the balcony lighting sockets.

Simple Desk Operation

The lighting desk, if stored at the stage manager's station, should turn on automatically. It takes a minute or so to boot up from cold.

Once it is booted, make sure the grand master fader is up (the one furthest bottom right).

Then, ensure the desk is in "Cue" mode by clicking the "Cue" button near the center of the desk.

Then, you can use any of the pre-programmed scenes, marked by labels on the faders on the left hand side of the desk.

Bring up the fader below any label to activate that scene. You can bring up multiple faders to combine looks together.

Loading The Default Show

If the desk has been changed and not reset properly, you may find these cues don't work.

Touch the three horizontal lines in the top right of the touch screen.

Tap "Files".

Tap "Load Show & Console Settings".

Find "VHDefault.shw" in the list, and tap it.

Tap "Open".

Tap the Home button in the top middle of the screen.

The desk will now be reset to its default state. Follow the steps in "Simple Desk Operation" again, and you should get results.

Changing Colours

If you use a scene like "Back Amber", you may want a different colour than amber.

Bring the fader up for any scene with colour in it.

You will see some of the squares on the screen turn that colour – in this case, amber/orange.

Tap all the squares (lights) you want to change the colour of on the screen – they will become highlighted in green.

Tap "Colour"

Tap one of the built in colours along the top, or grun your finger around the colour wheel to select a colour, and you will see the selected lights change.

You can then tap the Home button to return to the usual screen

If at any point you want to return to original colours, click "Clear"

Moving, Refocusing and Readdressing Lights

If given permission by the Hall Manager, you may be able to move, refocus or readdress the installed lighting rig. If this is the case, please take note of the sticker on each light, which tells you the light's default location, focus and DMX address. If you change any of these during your use of the hall, you must return them all to the state on the sticker by the end of your hall usage.

Please refrain from changing any other settings on the lights.

Failure to return the lighting to its usual state at the end of a hire may result in you having to pay for our lighting consultant to come out and do it for you.

Lighting Desk Position

The lighting desk can be operated from the stage manager's station, or the FOH position at the rear of the auditorium.

- If moving the desk TO the stage manager's position, please plug in the grey five pin connector into the rear of the lighting desk, and connect the power supply to one of the wall sockets marked "Lighting".

- If moving the desk TO the FOH position, remove the grey cable from the lighting desk and plug the grey cable into a black cable labelled "Back Of Hall", usually hanging near the big lighting power switch. Then unplug the desk power supply and take it with you.
At the rear of the hall, find the five pin connector in the box of cable ends, and connect it to the back of the desk. Plug the power supply into the plug sockets down the side of the FOH position.

Advanced Desk Operation

We cannot give you all the info on how to use the desk in this guide, but the great news is that Chamsys, who make the lighting desk, have lots of very useful videos on their YouTube channel:

<https://www.youtube.com/playlist?list=PL6ifvrHDIqMFU3IQwRwSD94Y5AqSycmRz>

4. Sound System Tech Specs

The Sound system comprises of:

- The Box Pro ACHAT 804 MK2 speakers x 2
- The Box Pro ACHAT 404 MK2 speakers x 4
- K & M brackets for The Box 804/404 speakers x 6
- The Box Pro ACHAT 115 subwoofers x 2
- W-Audio LA80 speakers for front fill x 2
- Yamaha PX3 amplifiers with DSP x 3
- Yamaha PX8 amplifiers with DSP subwoofers & front fills x 1
- 24U Penn Elcom racks with mesh rack doors & castors x 2
-

The Sound System can be controlled by the sound desk or the tablet:

Sound Desk: Behringer Universal Control Surface. More information can be found here:

<https://www.behringer.com/en/products/0808-AAD>

- Universal DAW Remote Control for Studio and Live applications
- Supports HUI and Mackie Control protocols
- 9 100 mm motorized faders
- 8 dynamic LCD Scribble Strips for instant overview of track names and parameters
- Ethernet interface for RTP MIDI and future Behringer X32 remote control
- 8 rotary controls with LED-collars
- 92 dedicated illuminated buttons for direct access of key functions
- 8-segment LED meters per channel for precise level control
- Large jog/shuttle wheel and tape-style transport controls for intuitive operation
- Built-in 2x2 USB MIDI interface for connection to Mac/PC and one external MIDI device
- 2 dedicated footswitch connectors and one foot controller input
- 2-port powered multi-TT USB hub for connecting additional controllers

Tablet: Acer Tablet with Behringer App.



PA/Radio Mic wireless system comprises of:

- Sennheiser EW100G4 radio mic system with ME4N (cardioid) microphone x 2
- Sennheiser EW100G4 radio instrument (standard belt) without microphone x 8
- Sennheiser EW100G4 handheld radio microphone kits with E835 capsule x 2
- Sennheiser EW100G4 Belt pack Transmitter x 1
- Pulse MIC3000LJ headset microphones with locking mini jack x 12
- ULS Manufacturing 12 way power/antenna distribution unit x 1
- DAP Audio ADA-20 active antenna x 2