

VENUE TECHNICAL INFORMATION - PA / Video / Network

SOUND SYSTEM / HOUSE ENGINEERS - MAIN HALL

The sound system is a high resolution 2500 watt PA system. The main mixer is a 48 channel Yamaha mixer. The stage box has 8 mike and 8 DI instrument inputs. There are four radio channels: 2 hand held mikes, one headset or lapel, and one guitar pack. Good quality foldback for band or DJ is provided. Technical details listed below.

The main hall system sound level will be restricted to 93 dBAeq (full spectrum, 5minute average) and 93dB (5min) in the 63Hz octave. These levels prevent nuisance to our neighbours. When a house engineer is present the house system limiter is off, the house engineer will monitor the level using SPLtrack (as used at Glastonbury) and adjust the levels if necessary to stay inside the 5 minute averages. The meter level can be displayed on a laptop PC for the DJ as a guide. Use of brought in PA equipment is not allowed.

The sound limits are adequate for acoustic evenings, moderate function music / quiet disco music. Its loud enough for folk, jazz and light rock bands, for people to dance, and for most functions its louder than the client will want. But its not a rock venue, loud disco or club level of sound. If you need loud music, this is not the right venue.

Excess level: As DJ outputs are routed through the PA, our engineer will ensure the level is not too high. Bands with their own backline may be able to fill the sound limit with drums, and bass and guitar amps. In that case vocals may have to be turned down to avoid excessive level, and the vocal may be hard to hear. The house engineer will direct musicians to play at levels that allow a balanced sound. If the backline level remains too high, the mix may be poor. The venue reserves the right to tell musicians to turn down, or to stop playing if they continue to play at excessive levels. Provided musicians work with us we will ensure the sound is excellent.

HOUSE ENGINEERS / TECHNICAL SUPPORT

All function hire prices including PA provide a house engineer for the duration of the event. The house engineer will setup PA and stage lighting, also feature lighting and projection where booked. The engineer will operate the PA. If you want to have projection or lighting cues, you will need to provide operators, or book additional engineers with the venue.

The sound and video equipment may only be operated by church staff except by prior agreement. The systems may not be adjusted, modified or connected to without the prior agreement of the church technical team.

PA EQUIPMENT:

Main Speaker:

Mid/Top: QSC amps / 4 x EAW JF100 at front/sides of stage, or corners of dance area.

Bass: 3 x KV2 EX12 actives.

Foldback:

2 x KV2 EX12 actives.

4 x Tannoy active i8.

Note: One mix is provided. Multiple foldback mixes will require extended setup time to be booked.

Mixer / Effects:

48 channel DM1000 Digital Console with meter bridge.

Internal compressors and digital effects.







Stage Box:






8 mike inputs: Yamaha AD8HR pre-amp

8 instrument inputs: Palmer DI / Fostex pre-amp

Mikes:

Radio Channels: 4 x Sennheiser G2 receivers from any of : 2 x EW300 series handheld, 2 x Countryman E6 headset, 3 x beltback for instrument or 2 MKE2 lapel microphones.

VOCAL	TYPE	QTY	DYN/ COND	PATTERN	USE
	Radio mikes	2	Cond capsule	Super-cardioid	General purpose directional vocal mike even freq response
	SM58	2	DYN	Cardioid	General Vocal strong presence bump, good in noisy mix
	Beta 58A	3	DYN	Super-cardioid	Vocal Extended HF Higher general rejection Brighter sound
	S1	1	COND	Hyper-cardioid	Superclear condenser for lead vocal in acoustic setting
	OM5	1	DYN	Hyper-cardioid	Very clear condenser with mid lift and HF clarity for lead vocal very tight focus Popular female / higher tone vocals
	E845	3	DYN	Super-cardioid	Less presence spike than mikes above. Good for backing vocal

INSTRUMENT	TYPE	QTY	DYN/ COND	PATTERN	USE
	SM57	2	DYN	Cardioid	Instrument amp / drum / other sources requiring close miking. Presence spike is higher freq than SM58 vocal mike and can be placed closer for more proximity effect
	Beta 57A	1	DYN	Super-cardioid	Instrument Extended HF
	M201	2	DYN	Hyper-cardioid	High clarity sensitive dynamic mainly for recording or location sound. Good for accurate acoustic reproduction. Strings, acoustic, toms / hi-hat.
	ATM33A	3	COND	Cardioid	Directional distance condenser Eg drum overhead
	C1000S	2	COND	Cardioid /Hyper-cardioid*	* Has polar pattern adaptor Directional distance condenser Eg drum overhead
DRUM MIKES	TYPE	QTY	DYN/ COND	PATTERN	USE
	E602	1	DYN	Cardioid	Bass drum mike
	E604	1	DYN	Cardioid	Snare/Tom Clip On mike

Piano: Kaiwa CA-9 Electric Concert Upright

VIDEO / LIGHTING RESOURCES:

Projection: Projection on wall at front and right wall, up to 4 metre diagonal, 4500 lumens. XGA. Two projectors.

Projector inputs at mixer: PC VGA, DVD, Video. Spare VGA, Spare S-video. Scaler / switcher, no preview system or crossfade. PC for Powerpoint, .avi, text / bible reference projection with split graphics (EasyWorship). All versions of Mac video connectors are available.

Projector inputs at stage: VGA

Lighting:

Zero88 Jester lighting desk / 12 dimmer channels / house lighting control.

Stage lighting: 10 spots on main bar. 3 PAR 64 colour spots on balcony.

Colour / Wall wash: 10 colour projectors, 4 colour strips see website photos.

Party: KAM Parbar + cluster laser, Acme Cougar pair and Matrix, ADJ H2O pair, Equinox Triclops.

Power supply: 2 x 63A 240V supply with CEE form single phase 3 pin socket

NETWORK RESOURCES:

Wifi and RJ45 Ethernet in all rooms and on the technical console.

Our broadband is a just a single Plusnet connection so you should always ensure you have offline options for your sound or video.