



SOUND INFORMATION

(CREATED M.P.A. 5-6-95)

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GENERAL NOTES

The sound box is positioned on the rear wall of the auditorium. It houses the mixer, sources, XLR microphone patch and B-type jack mixer patch. The mixer patch includes mono send to the 520 for sound-to-light effects. Under no circumstances are A-type jack plugs to be used in the mixer patch. A cable continuity tester is mounted between the XLR and jack patches. The amplifier rack is positioned upstage left on a shelf below the hemp gallery. It houses the amplifiers, Bose EQ boxes, Speakon speaker patch (also cans ring amplifier, video distribution amplifier, video patch, ethernet hub, RJ45 ethernet patch and a EQ and cans ring control patch).

PATCHING ARRANGEMENTS

XLR MICROPHONE PATCH:

Stage Box (output by amplifier rack)	A	1-15
Orchestra Pit	B	1-8
OP Ladder	C	1
PS Ladder	D	1
OP Perch	E	1,2
PS Perch	F	1,2
OP Juliette	G	1,2
PS Juliette	H	1,2
OP Downstage	I	1-4
PS Downstage	J	1-4
OP Midstage	K	1,2
PS Midstage	L	1,2
Upstage	M	1,2
Counterweights	N	1,2
Hemps	O	1,2
Dome	P	1,2
Mixer Inputs		1-24
B-Type patch links		1-4

SPEAKON SPEAKER PATCH:

<i>Power Amp Output</i>	1-8
<i>3 Way Common</i>	2
<i>4 Way Common</i>	1
Rear of Auditorium	OP, PS
Ladders	OP, PS
FOH	OP, PS
Perch	OP, PS
Juliettes	OP, PS
Downstage	OP, PS
Midstage	OP, PS
Upstage	1
Pit	1

B-TYPE JACK MIXER PATCH:

Cassette 1	(L,R)	Play (A), Play (B), Record	
CD 1	(L,R)	Play	<i>Normalled to Stereo 1</i>
CD 2	(L,R)	Play	
Minidisc 1	(L,R)	Play, Record	<i>Normalled to Stereo 2</i>
Minidisc 2	(L,R)	Play, Record	
Radio mics.	(M)	1-4	
Mixer Input	(M)	1-24	
Mixer Stereo Input	(L,R)	1,2	
Mixer Stereo FX Return	(L,R)	1-4	
Mixer Insert	(M)	1-24	Send, Return <i>Normalled</i>
	(M)	Group 1-8	Send, Return <i>Normalled</i>
	(L,R,M)	Main mix	Send, Return <i>Normalled</i>
Compressor	(M)	1-4	Send, Return
EQ	(L,R)		Send, Return
Effects Unit	(L,R)		Send, Return
Mixer Group Output	(M)	1-6	<i>Normalled to Tie Lines 3 - 8</i>
Mixer Group Output	(M)	7,8	<i>Normalled to Minidisc 1 Record</i>
Mixer Aux. Send	(M)	1-8	
Monitor Output	(L,R)		
Matrix Output	(M)	1,2	
Mono Output	(M)		
Main Output	(L,R)		<i>Normalled to Tie Lines 1 & 2</i>
Ties Lines to Amp. Rack	(M)	1-8	
Monitor Amp.	(L,R)		<i>Feeds 2x Bose 101s in Sound Box</i>
LX Desk	(M)	Send	
Induction Loop	(M)	Send	
Links to XLR Patch	(M)	1-4	
3 Way Common		2	
4 Way Common		1	

- All normalling is half-normalling. Inserting a jack into the lower socket (return or input) breaks the normalling; inserting a jack into the upper socket (send or output) does not break the normalling and instead splits the signal.
- The send to the reverb unit and the stereo effects returns are normalled such that if only the left channel is patched, then that signal is normalled to the right channel. If both the left and right channels are patched, no normalling occurs.

B-TYPE JACK CONTROL PATCH:

- Intercom patch enables combinations of intercom output positions to be patched to separate intercom rings. Each set of positions has a default ring (shown below) but by patching to the desired ring this default is overridden.
- Rings A and B can be split and re-joined from the Stage Manager's desk.

Intercom outlets:	S.M.'s Desk	<i>Normalled to ring A</i>
	MS(PS), DS(PS)	<i>Normalled to ring A</i>
	MS(OP), Scene Dock, Offices	<i>Normalled to ring A</i>
	US	<i>Normalled to ring A</i>
	Hemps	<i>Normalled to ring A</i>
	Counterweights	<i>Normalled to ring A</i>
	Pit, Auditorium(Director)	<i>Normalled to ring A</i>
	Perches, Patchbay, Dome	<i>Normalled to ring A</i>
	Sound Box	<i>Normalled to ring A</i>
	LX Box	<i>Normalled to ring B</i>
	Auditorium(LD)	<i>Normalled to ring B</i>

Spare outputs on jackfield:	2 x ring A
	4 x ring B
	3 x ring C

- The remainder of the control patch provides patching arrangements for Bose EQ boxes: upto 8 channels of high frequency EQ and 1 channel of low frequency (to drive Bose 302 for instance) can be installed (see current stock list for details).
- Currently the CAudio RA3001 is on channels 1 & 2 and the Bose 1800 is on channels 3 & 4. When not on hire, the Crest V650 flightcase (with built-in EQ) is on channels 5 & 6.

Amp. Ties from Sound Box	1-8		<i>Normalled to Bose EQ 1-8.</i>
Bose EQ	1-10	Send	
Bose EQ (HF/Full)	1-8	Return	<i>Normalled to Amps 1-8.</i>
Bose EQ (L.F.)	1,2	Return	<i>Normalled to Amps 9,10.</i>
Sends to Power Amps.	1-10		

- All normalling is full normalling; inserting a jack in either socket of a normalled pair breaks the normalling.