

Bedford Corn Exchange Main Auditorium

Technical information



AUDIO

TTL33-A line array module



The TTL33 line array module has a wide, constant directivity, coverage angle, with six high power neodymium transducers, three high power switching amplifiers and 96 kHz, 24 bit, floating point DSP.

Frequency Response	60-20 kHz
SPL peak	134 dB
Coverage angle	100°horizontal5° vertical, depending on configuration
Compression Driver	3x1" neo, 37 mm voice coil
Midrange	8" neo, 64 mm voice coil
Woofers	2x8" neo 64 mm voice coil

INPUT SECTION

Input sensitivity	-2dBu/+4dBu
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AMPLIFIER

Nominal power	Switching 750Watt
High frequencies	D/250Watt
Mid frequencies	D/500Watt
Low frequencies	D/500Watt

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4 TTS28-A SUB



Frequency Response	30-110 Hz
SPL peak	139dB
Woofers	2x18"
Nominal power	Switching 2000Watt

TT25-SMA Monitors



Frequency Response	50 Hz - 20Khz
SPL peak	131 dB
Coverage angle	H 60° conical - V 60° conical
Compression Driver	1,5" neo, 64 mm voice coil
Woofers	15" neo, 87 mm voice coil

AMPLIFIER

Nominal power	Switching 750Watt
High frequencies	D/250Watt
Low frequencies	D/500Watt

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Yamaha M7CL (sound and lighting room) 48 Channels Digital mixing desk



Hard patched with X3 snake boxes of 16 input on

1 stage.

V-Mixing System M- 400 48 channels digital console (mobile desk)



Main Features

- Configurable digital snakes with high quality, remotely controlled mic preamps on stage;
- Cat5e distribution that is light weight, low cost and without the high frequency losses inherent in analog snakes;
- A 48-channel M-400 Mixing Console with 16 buses, channel and bus DSP, 4 stereo FX processors, 4 graphic EQs, built-in stereo recording and playback, and built in multi-channel split port;
- Up to 40 channels of limitless digital splits over Cat5e for monitor/broadcast positions and/or PC recording without any audio interfaces; and

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- Up to 16 returns to stage over Cat5e cable.

S-1608 Stage Unit



32 channels on stage with 16 return over Cat5

- 2
- 2 TT 08 Control room reference monitors

SOUND EQUIPMENT

Quantity	Item	
4	Beyerdynamic Clip-on Drum Mics.	
12	Shure SM58 Microphone	
1	AKG D112 - Bass Drum Microphone	
1	Shure SM57 Microphone	
2	Shure 588SD Microphone	
2	Audio Technica ATM 63 HE Hypercardioid Microphone	
4	Audio Technica AT 935 QMR x - Gooseneck Condenser	
1	AKG SOLIDTUBE Valve mics	
2	Peavey PV Microphones	
3	Trantec 58 Handheld Radio Microphones	191.9 MHz VHF
		200.3 MHz VHF
		208.3 MHz VHF
3	Trantec Lapel Radio Microphones	175.0 MHz VHF
		173.8 MHz VHF
		174.5 MHz VHF
8	DI Boxes	
20	Boom Stands	
2	Straight Stands	
4	Short Boom Stands	
4	JBL MR802 Foldback Wedges	
1	Fostex "D5" DAT digital Tape Recorder	
2	Citron dual CD PLayer	
1	Maranz DV411 Multimedia player	
1	BSS - FCS 960 Dual 31 Band Graphic E Q F O H	
2	Yamaha Q2031A Dual 31 Band Graphic E Q Foldback	
3	DBX Digital processor Delay/EQ/Crossover	
1	Tecpro Communication System Master Station	
6	Tecpro Communication Headsets and Beltpacks	
	4 band Parametric EQ	
12	(Six pairs) JBL Loudspeakers (65Hz-20Khz)	
	Approximate System Power 12KW	



- 4 4 x Beyer Dynamic Clip-on Drum Microphones**
- 1 1 x AFG D12 Bass Drum Microphone**
- 1 Video Mixer V8**
- 1 Digital HD Camera SONY**
- 1 Strobo Pulsar**
- 1 Smoke machine Rosco 1600**
- 1 Public Address Amplifier Eagle PA1000**
- 1 radio microphone SKG WMS300HT**
- 20 LED PAR 30 pin spots**
- 25 PAR 30 par cans**
 - 1 Induction Loop IL90 Amplifier**
 - 1 Laddar Zarges Skymaster**
 - 1 Kodak 35mm Projector**
 - 1 Fixed lens**
 - 1 Infrared remote controller**
 - 1 Projector screen 4.5mt. x5mt.**
 - 4 500 Kg SWL Chain Hoist Units**
 - 4 750 Kg SWL Chain Hoist Units**
- 16 Internally Wired Bars No 6 way**
 - 2 VCR Mitsubishi recorder**
 - 1 S-VCR video recorder**
 - 2 14' Television**
 - 1 Sony 32" wide screen television**
 - 1 Projector Mitsubishi XL599OU**
 - 1 Mixing Console Yamaha MG32/14FX**
 - 1 DVD Recorder/player +/- R-RW**
 - 1 Minidisk**
 - 1 C D Player Sony**

Lighting at the Bedford Corn Exchange

Lantern Stock

Quantity	Item
2	Solo 2k follow-spots - 2000W
4	Harmony 22/40 - 1000W
8	Harmony 15/28 - 1000W
10	Cantata 18/32 - 1000W
4	Harmony F - 1000W
10	Cantata F - 1200W
9	Prelude F - 650W
18	Par 64 Cans - 1000W
3	Coda 500/4 - 500W
2	Patt.743
4	LD90 Dimmer



- 1 Lighting desk Bullfrog from Zero88
- 1 Fibre-optic star cloth - £150 +VAT

Moving Lights (PR Pearl River):

Quantity	Item
4	575 colours wash 2580
8	250 colours wash 2302
8	250 profile 2250
2	575 profile 2575
6	LED PAR 64
1	Strobo Pulsar