



technical facilities

All the information you need about our location recording facility.



The Mixbus is designed for new-media as well as traditional broadcast and recording activities. Based around the Studer Vista 8 digital mixing system, it can broadcast live to cinemas, web stream, live to TV or radio in stereo or surround, produce live CDs and archive all tracks to multitrack simultaneously.

The control room incorporates a number of unique features, designed to make your production the best it can be.

A great deal of care has been taken in optimising the monitoring position and the acoustics of the facility to ensure that mixes made on the truck translate as accurately as possible to the outside world.



Audio Monitoring setup

As well as stereo to 5.1 output, we can now provide Dolby Digital Surround EX (6.1) monitoring and output. 7.1 output is configureable if needed. Front speakers are Barefoot Gen 2, rears are PMC Wafer 1s (5.1) and PMC Wafer 2s (7.1) powered by Bryston 4B and Crown amplifiers. LFE is a PMC SB100.

Recallable Monitoring Setups

The truck can be used for live to cinema transmissions as well as at traditional broadcast activities, both of which require a different monitoring setup. We have installed a computer-based recallable monitoring system to facilitate optimum results in either situation. Using FIR filters, each speaker can be eq'd and the level changed with no discernible loss of audio quality. The preset can be saved to a USB stick for subsequent use.

Active Acoustics

Ever mixed at a festival where you can't hear yourself think, let alone hear what you're putting out – live – to air? We have a system to minimise external noise intrusion. At the moment in beta and subject to change, nevertheless we expect continuing improvements as we perfect it.

Backup and Protection

We have taken great care with the electrical systems on board. In addition to a 6KW UPS that will run the whole truck without power for up to 30 minutes, all technical equipment has either 2 power supplies or is connected via a source transfer switch. A switchable 7KW isolation transformer is on the input for situations where it is impossible to bypass an RCD protected supply.



Information for Engineers

External

Mic amps: We carry 156 remote mic amps in 3 stage boxes:

Stagebox 1: 64 inputs and 24 outputs

Stagebox 2: 48 inputs

Stagebox 3: 44 inputs and 8 outputs

Fibre system: Multimode, Neutrik Opticalcon quad connectors. All equipment uses MM SC connectors.

Fibre lengths: 2 x 300m drums of Opticalcon Quad Xtreme
1 x 200m Opticalcon quad

Remote fibre stage boxes up to 600m away.

Internal

Mixer: Studer Vista 8 52 fader control surface and 6 MADI cards. Normally, 3 cards used as input and 3 as recording sends but this can be changed.

Additional local I/O: 32 x AES I/O, 20 x analogue I/O, 8 x mic amps, 24 x ADAT I/O

Monitoring: Barefoot MM27 Gen 2 main L/R. MM35 Gen 2 centre, PMC Wafer 1 and 2 surrounds

Recording: Up to 192 track duplicate multitrack recording at 24 bit., Merging Pyramix, Pro Tools, Logic Pro, and Digital Performer available.

FX and outboard equipment

2 x integrated Lexicon PCM96 Surround with Vistonics control, configureable as up to 8 x mono, 4 x stereo or 2 surround machines.

Studer VMix integrated automatic mix software

Lexicon PCM 81 and PCM 91

TC System 6000 V1 with 8 I/O

TC D-Two delay

TC Fireworx multi FX

TC M2000 multi FX

Eventide Eclipse reverb/FX

2 x DBX Quantum multi band compressors

UAD Apollo with 8 x digital I/O

The following is available at extra cost:

2nd UAD Apollo with 8 x digital I/O

Thermionic Phoenix vari-mu valve compressor.

Cedar DNS1000

Cedar DNS 8-Live

Dolby Digital AC3 encode and decoders

Dolby LM100 media metering

Aja Ki Pro HD video recording with 9-pin control

Selection of microphones from AKG, Beyer, Neumann,

Sennheiser.

UAD Licences

As of 01/02/2015

1176 Classic Limiter Collection

Ampex® ATR-102 Mastering

Tape Recorder

AMS RMX16 Digital Reverb

API Vision Channel Strip

CS-1 Channel Strip

EMT® 140 Classic Plate

EMT® 250 Electronic Reverb

Fairchild Tube Limiter Collection

FATSO™ Jr./Sr. Tape Sim. &

Compressor

Helios™ Type 69 EQ

Lexicon® 224 Digital Reverb

Little Labs® IBP Phase

Alignment Tool

Little Labs® Voice Of God Bass

Resonance

Manley® Massive Passive EQ

Neve® 88RS Channel Strip

Neve® 1081 / 1081SE Classic Console EQ

Ocean Way Studios

Precision De-Esser

Precision Enhancer Hz

Precision Limiter

Pultec EQP-1A Legacy

Pultec Pro EQ Legacy

RealVerb Pro Room Modeler

Roland® Dimension D

Roland® RE-201 Space Echo

Softube Amp Room Half-Stack

Softube Bass Amp Room 8x10

Softube® Bass Amp Room

Sonnox® Oxford Inflator

SPL® Vitalizer MK2-T

Studer® A800 Tape Recorder

Teletronix® LA-2A Classic

Leveler Collection

Tonelux® Tilt EQ

UA 610 Tube Preamp & EQ

UA 610-B Tube Preamp & EQ

Vehicle dimensions

Vehicle: Iveco Eurocargo

Weight: 7.5 Tonnes

Length: 8.5m

Width: 2.5m

Height: 3.6m

Power: single phase 32A C-form. Can accept 63A single. Actual max current 17A

Contact

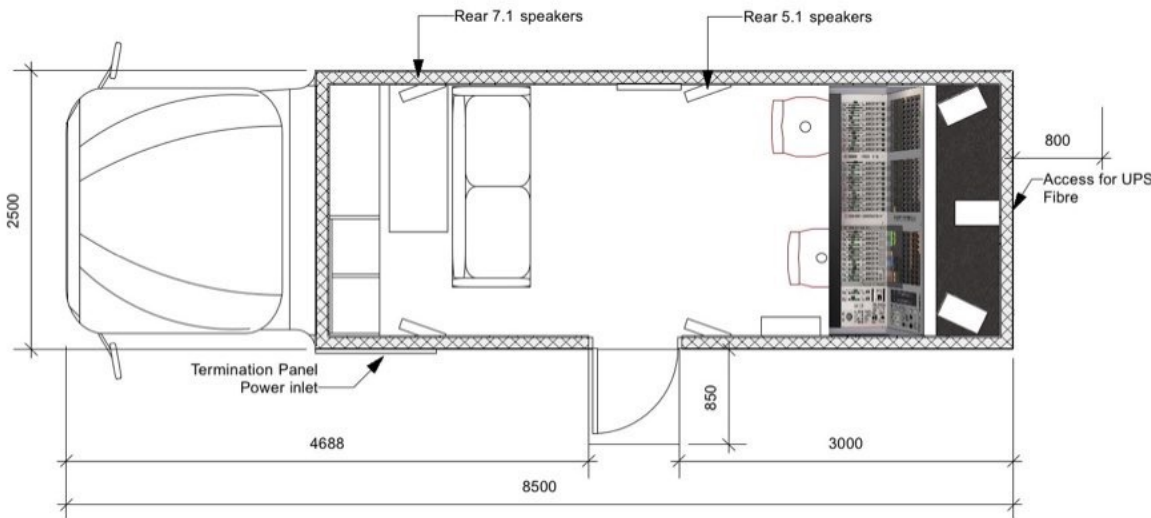
Conrad Fletcher:

Call 07973 303679. Email conrad@themixbus.com

Mat Wood:

Call 07979 552988. Email mat@themixbus.com

Web: www.themixbus.com



All dimensions in mm

SounDesign Ltd.

31 St Albans Gardens Teddington Middx TW11 8AE