auxbus
IMMERSIVE AUDIO PRODUCTION

technical facilities

All the information you need about our smaller location recording facility.

the auxbus is a not compromise but compact version of our ground-breaking location broadcast truck, optimised for live to Cinema transmissions, new-media broadcast as well as traditional broadcast and recording activities. Based around the Studer Vista 5 digital mixing system, it can broadcast live to cinemas, web stream, to TV or radio in stereo or surround, produce live CDs and archive all tracks to multitrack simultaneously.

It has all the quality of our larger format Mixbus, with the same desk processing and speakers, but in a smaller package for working in central London and where less inputs are required.

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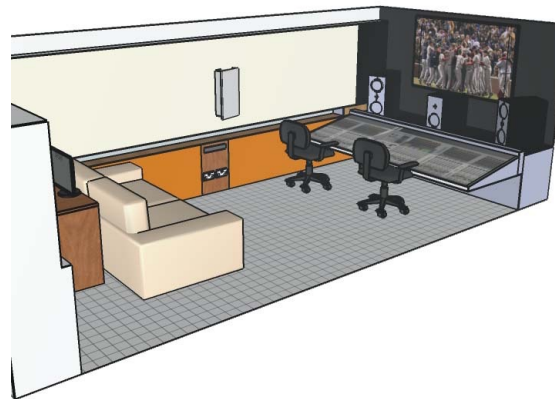
The truck can be used for live to cinema transmissions as well at traditional broadcast activities, both of which require a different monitoring setup. We have installed a recallable monitoring system to facilitate optimum results in either situation. Using FIR filters, each speaker can be eq'd and the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

New Facilities

New for the Auxbus:
Telex Zeus communications matrix, with recallable ports, panels and 4-wires.
64 channel Dante ingest and sample rate conversion
Duplicate Qlab playout systems
8 port MADI router

Backup and Protection

We have taken great care with the electrical systems on board. In addition to the world's first 6KW Lithium Ion UPS that will run the whole truck without power for up to 30 minutes, all technical equipment has either two power supplies or is connected via a source transfer switch. A 7KW isolation transformer is on the technical input ensuring we can work reliably when connected to a domestic 30mA RCD.

Auxbus Details

Vehicle:	Vauxhall Movano Low Loader
Reg:	**M1 XOA**
Weight:	3.5 Tonnes
Length:	7m
Width:	2.0m closed, 2.6m with wings open
Height:	2.8m
Power:	Single phase 32A C-form. Can accept 63A single. Actual max current 19A with max cooling active

Information for Engineers
External

Mic amps: We can supply up to 128 remote mic amps or MADI feeds in up to 2 stage boxes. Choose from the following:

Stagebox 1: 64 inputs and 32 outputs
Stagebox 2: 64 inputs and 24 outputs
Stagebox 3: 44 inputs and 8 outputs
Stagebox 4: 48 inputs
Stagebox 5: 32 inputs and 8 outputs
Fibre system: Multimode, Neutrik Opticalcon quad connectors. All equipment uses MM SC connectors.
Fibre lengths: up to 250m single run. Remote stage boxes up to 600m away.

Internal

Mixer: Studer Vista 5, 32 fader control surface and 3 MADI cards. 2 cards used as input, one as recording send. All MADI is 64 channel.
Additional local I/O: 16 x AES I/O, 16 x analogue I/O, 4 x mic amps, 16 x ADAT I/O
Monitoring: Kii Audio Kii Three matched L C and R , Neumann KH80DSP surround speakers.
Recording - Audio: Up to 64 track duplicate multitrack recording at 24 bit. Steinberg Nuendo, Pro Tools, Logic X, Boom recorder, all via MADI.
Recording - Video: Aja Ki Pro Rack with 9-pin control

FX and outboard equipment
Select from the following:

Studer VMix integrated automatic mix software
Lexicon PCM 81 and/or PCM 91
TC System 6000 V2 with 8 digital I/O
TC D-Two delay
TC Fireworx multi FX
TC M2000 multi FX
Eventide Eclipse reverb/FX
DBX Quantum multi band compressor
UAD Apollo with 8 x digital I/O.

The following is available at extra cost:
Thermionic Phoenix vari-mu valve compressor.
Bricasti M7 reverb
Cedar DNS1000
Cedar DNS 8-Live
Dolby Digital AC3 encode and decoders
Dolby LM100 media metering
Melodyne Studio 5 pitch and time correction.
MainStage and desk midi fader integration.
Isotope RX9 off line restoration

Selection of microphones from AKG, Beyer, Neumann, Sennheiser.

UAD Licences as of 01/03/2022
1176LN, 1176SE
AKG BX 20
Ampex ATR-102
AMS Neve DFC Channel Strip
AMS RMX16 Expanded
Antares Auto-Tune Realtime
API 550A
API 560
API 2500 Stereo Bus Compressor
API Vision Channel Strip
Avalon VT-737sp
Bermuda Triangle
Brigade Chorus
bx_digital V2
bx_digital V3
bx_masterdesk
bx_refinement
bx_subsynth
bx_tuner
Cambridge
Cooper Time Cube MkII
dbx 160
Dreamverb
Empirical Labs Distressor
EMT 140
EMT 250
EP-34 Tape Echo
Eventide H910 Harmonizer
Fairchild Tube Limiter Collection
FATSO
Galaxy Tape Echo
Harrison 32C
Helios Type 69 EQ(Legacy)
Korg SDD-3000
LA-3A Audio Leveler
LA2A
Lexicon 224
Lexicon 480L Digital Reverb and Effects
Little Labs IBP, Little Labs VOG
Manley Massive Passive
Manley Variable Mu
Manley VOXBOX Channel Strip
Moog Multimode Filter XL
MXR Flanger-Doubler

Neve 88RS Preamp and Channel Strip
Neve 1073 EQ & 1073SE EQ
Neve 1073 Preamp and EQ
Neve 1081 EQ & 1081SE EQ
Neve 31102 & 31102SE EQ
Neve 33609 & 33609SE Compressor
Ocean Way Studios
Oxford Dynamic EQ
Oxford Envolution
Oxford SuprEsser DS
Oxide Tape
Precision Buss Compressor
Precision De-Esser
Precision Enhancer Hz
Precision Enhancer kHz
Precision Equalizer
Precision K-Stereo
Precision Limiter
Precision Maximizer
Precision Mix Rack Collection
Precision Multiband
Pultec-Pro
Pultec EQ Collection
Pure Plate Reverb
RealVerb-Pro
Roland Dimension D
Roland RE-201 Space Echo
Shadow Hills Mastering Compressor
Softube Vocoder
Sonnox Oxford Inflator
SPL Transient Designer
SPL Vitalizer MK2-T
SSL E Preamp and Channel Strip
SSL G Plus
Studer A800 Multichannel Tape Recorder
Studio D Chorus
Teletronix LA-2A Leveler Collection
Thermionic Culture Vulture
Tonelux Tilt
Trident A-Range
TS Overdrive
Tube-Tech CL 1B Compressor
UA 610-A and B Tube Preamp and EQ
UA 1176 Limiter Collection
Vertigo VSM-3 Plug-In for UAD-2

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