SOLUTION ANACROUSE DATA SHEET

PERSONAL MIXER

INTERFACE AOIP
ANUBIS

VENUE MISSION

Personal Mixing for Orchestral Excellence

Developed in collaboration with **Merging Technologies**, Venue Mission is a high-end Personal Mixer application integrated into the **Anubis audio-over-IP interface**, designed to meet the demanding requirements of orchestral productions, both live and in the studio.

Designed for Musicians

Musician comfort lies at the heart of Venue Mission. The system enables fast deployment and effortless distribution of multiple monitor mixes to wedge speakers and in-ear monitoring systems, ensuring a natural and focused listening experience on stage.

An intuitive combination of touchscreen control and tactile buttons allows musicians to manage their personal mix with ease. Whether using a single fader with up to 16 mono or stereo channels or a simple volume knob with mono summing (ideal for single-ear monitoring) control is immediate and distraction-free.

A True Personal Mixer

Venue Mission goes beyond basic monitoring. Integrated Solo and Mute functions, along with professional-grade processing tools such as EQ, dynamics, delays, and reverb, give musicians full control over their sound.

Direct connection to the Anubis interface delivers near-zero latency monitoring, with AD–DA conversion as low as **0.38 ms at 48 kHz**, preserving timing, articulation, and musical expression.

Seamless Communication

A built-in talkback system ensures clear communication between musicians, section leaders, the conductor, and the sound engineer, an essential feature for efficient rehearsals and live performances.

Total Control for Engineers

Anubis offers powerful remote-control capabilities for technicians and sound engineers. A dedicated Windows and macOS application provides full access to system configuration, mix supervision, and preamp control, replicating the experience of physical interaction with the device.

SOFTWARE HIGHLIGHTS

- *16 channels stereo/mono mixing, panning and balance*
- *16 mono or stereo inputs whatever the sampling rate*
- *Inputs may be a local analog input or an AoIP incoming stream*
- *Volume control and mono function*
- *Dual PAN, Solo, mute, param EQ, dynamic processing on inputs ,Delay*
- *Reverb effect with individual send levels*
- *Four way intercom system up to 32channels and sidetone.*
- *Intuitive UI, custom naming and colors*
- *Setup lock (with password) and various lock functions*
- *18 instants presets*

HARDWARE HIGHLIGHTS

- *A standard AES67 AoIP interface*
- *Power supplied through PoE+*
- *2 high-quality microphone preamps with a 137 dBA dynamic range*
- *2 independent headphone outputs*
- *Up to 4 stereo monitors*
- *4 line-level outputs*
- *Talkback built-in mic*

REMOTE CONTROL

- *Web access*
- *Windows/MacOS remote app for a total control*

MERGING
AUDIO FOR THE NETWORKING AGE

Uncompromising Audio Quality

High-performance preamps transmit pristine **AES67** audio streams with exceptionally low noise. A single physical input can be shared across the network, enabling seamless gain distribution between front-of-house, monitor, and recording systems.

By keeping microphones within three meters of their preamps, Venue Mission preserves signal integrity while minimizing interference and signal loss.

One Cable. Total Integration.

Built on an open audio-over-IP architecture, Venue Mission integrates seamlessly into existing digital audio environments.
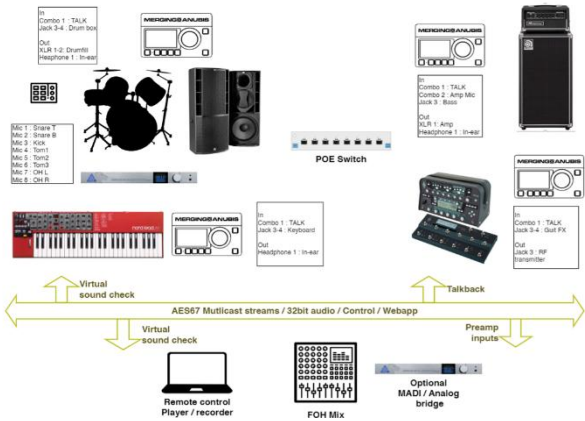
A single **RJ45 cable** delivers power, transports audio stems, captures microphone and instrument signals, and returns multiple mixes for remote monitoring and fine adjustment.

With ultra-low network latency of just **0.13 ms** in 6-sample mode, AES67 ensures the performance, reliability, and flexibility required for today's most demanding productions.

Main PAGE

Anubis Max latency in milisecond (AD to DA)

	44.1			48			96			192			kHz
	0.11	0.09	0.20	0.10	0.08	0.19	0.05	0.04	0.09	0.03	0.02	0.05	AD Proc DA**
Personal Monitor	**0.41**			**0.38**			**0.19**			**0.10**			ms
	0.11	0.50	0.20	0.10	0.46	0.19	0.05	0.23	0.09	0.03	0.11	0.05	AD Proc DA**
Personal Mixer	**0.82**			**0.75**			**0.38**			**0.19**			ms max*

* latency max when all input and output processing are activated
** Roll off filter set to slow (default)

AES67 network latency in milisecond

	44.1	48	96	192	kHz
AES67 48 smpl	**1.09**	**1.00**	**1.00**	**1.00**	ms
AES67 12 smpl	**0.27**	**0.25**	**0.25**	**0.25**	ms
AES67 6 smpl	**0.14**	**0.13**	**0.13**	**0.13**	ms
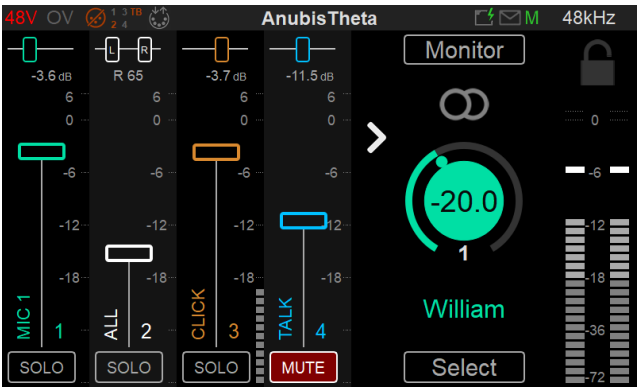
TALBACK PAGE

Total Praise Mass Choir: Gospel Festival Grand Rex Paris

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MICROPHONE INPUTS 1-2 (COMBO)

Dynamic Range Mic / Mic Boost	137 dB / 128 dB (A-weighted, typ.)
Equivalent Input Noise Mic / Mic Boost (150Ω Source)	< -125 dBu / -128 dBu (A-weighted, typ.)
Input Impedance (Differential)	~ 10kΩ
Gain Range (Software controlled)	0 dB to +66 dB
Phantom Power (Software Switchable Per Channel)	+48V
Phase Reverse (Software Switchable Per Channel)	Yes
Low Cut filter (Software Switchable Per Channel)	-12 dB/octave, 80 Hz

LINE INPUTS 1-2 (COMBO)

Dynamic Range, ref +24 dBu	139 dB (A-weighted, typ.)
Max Line Input Level	+24 dBu
Input Impedance (Differential)	~ 10kΩ
THD+N Preamp + A/D 1kHz @ 0 dBFS	< - 104 dB (0.0006%)
Interchannel Crosstalk @ 1kHz	< -140 dB
Sensitivity Range for 0 dBFS (Software controlled)	+24 dBu to -42 dBu

INSTRUMENTS / HI-Z & LINE INPUTS 3-4

Dynamic Range, ref +18 dBu	136 dB (A-weighted, typ.)
Max Input Level	+18 dBu
Input Impedance (Single ended / Differential)	~ 1MΩ / ~ 2MΩ
Gain Range (Software controlled)	0 dB to +66 dB
Sensitivity Range for 0 dBFS (software controlled)	+18 dBu to -48 dBu

MAIN OUTPUTS 1-2

Dynamic Range	123 dB (A-weighted, typ.)
Output Impedance	< 70Ω
THD+N 1 kHz @ 0 dBFS	< - 110 dB (0.0003%)

LINE OUTPUTS 3-4

Dynamic Range	123 dB (A-weighted, typ.)
Max output Level (Differential / Single ended)	+24 dBu (12.2 Vrms) / +18 dBu (6.1 Vrms)
Output Impedance	< 70Ω

HEADPHONES

Headphone Jacks	2 Independent ¼" TRS Female Stereo 6.3 mm
Dynamic Range (A-weighted, typ.) High / Low	< -122 dB / - 117 dB
Max output Level High / Low	17.1 dBu / 7.8 dBu
Output Impedance	< 0.035Ω
THD+N 1 kHz @ 0 dBFS High/Low	< -108 dB (0.00039%) / -110 dB (0.0003%)

A/D – D/A CONVERSION

Supported Sample Rates PRO	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz and 192 kHz
Bit Depth Per Sample	32

COMPLEMENTARY I/O

RAVENNA/AES67 (Gigabit Ethernet)	1x etherCON RJ45 network connectors compatible with standard RJ45
Built-in Talkback microphone	Mono omnidirectional CMOS/MEMS membrane technology
GPI/MIDI Input	¼" TRS Female
GPO/MIDI Output	¼" TRS Female

POWER

Power Supply Voltage (DC)	10.2V to 14.4V DC
Power Supply Connector Type	Barrel jack, int. 2.5mm/out. 5.5mm, with locking function
Power Consumption (Typ.)	< 18W
P-o-E (Power Over Ethernet)	IEEE 802.3at (PoE+) class 0 Power-over-Ethernet standard