

# avantis

---





# IT'S A SMALL STEP TO A **GIANT LEAP**

The third mixer based on our 96kHz XCVI FPGA engine, Avantis puts all our next-generation technology in a standalone 64 channel / 42 configurable bus console, with dual Full HD touchscreens, a super-flexible workflow with Continuity UI, extensive I/O options, add-on processing from our flagship dLive mixing system, and a rugged full metal chassis.

Step up to Avantis. Leap ahead of the curve.

- 96kHz / 64 CHANNEL / 42 BUS DIGITAL MIXER
- FULLY CONFIGURABLE MIX BUS ARCHITECTURE
- XCVI CORE - 0.7MS LATENCY / PHASE COHERENT
- DUAL FULL HD TOUCHSCREENS WITH CONTINUITY UI
- EVERYTHING I/O - HUGE RANGE OF REMOTE EXPANDERS
- DPACK UPGRADE ADDS ACCLAIMED dLIVE PROCESSING
- SUPER STRONG, LIGHTWEIGHT FULL METAL CHASSIS





# TOUCH THE **BIG PICTURE**

## Continuity UI. It's your mixer, so **mix your way.**

With a massive 206 square inches of screen space operating at a crisp 1080p Full HD resolution, Continuity UI allows you to see and instantly interact with more of what matters, enabling a seamless connection between the physical controls and the displays.

The faders react on touch to immediately highlight the active channels for instant visual feedback.

The channel rotaries let you work gains or pans, then at the touch of a button, dynamically fold the display to show EQ or compressor parameters across the whole bank.

Each screen also features a FastGrab tab on the right-hand side, giving you split-second access to key freely-assignable parameters like aux sends, EQ, compressor and FX on the currently selected or specific channel. The whole system is set up to dynamically surface the information you need at any moment and put control right at your fingertips.



# EVERYTHING I/O

## A complete ecosystem of remote expanders.

Whether you're an owner/operator looking to build a compact system, or a rental company with existing Allen & Heath stock, the SLink connection on Avantis allows true flexibility by connecting to the entire range of Allen & Heath audio expander hardware.

Add a Dante card to your system and you've got even more options, with our dedicated Dante expanders, DT168 and DT164-W.



## GX4816 - THE PERFECT PARTNER I/O

48 XLR Input / 16 XLR Output - 96kHz



## DX012 - GET MORE OUT OF YOUR SYSTEM

12 Configurable Outputs - Switchable Analogue/AES - 96kHz



## DT168 / DX168 PORTABLE STAGEBOX EXPANDERS

16 XLR Input / 8 XLR Output - 96kHz - Dante Option Available (DT168 - requires Dante option card)



## DT164-W / DX164-W WALL MOUNT EXPANDERS

16 XLR Input / 4 XLR Output - 96kHz - Dante Option Available (DT164-W - requires Dante option card)



## DX32

96kHz Modular Expander

ALSO AVAILABLE - AVANTIS IS ALSO FULLY COMPATIBLE WITH OUR LEGACY 48kHz AR AND AB EXPANDERS.



# UPGRADE TO dPACK

Get the acclaimed processing of dLive. **Inside your avantis.**

Right out of the box, Avantis is loaded with powerful processing tools that will easily meet the demands of most users and applications. Want more options? Upgrade your console with Avantis dPack to get additional dLive processing including Dyn8 (up to 16 instances), DEEP Compressors, and the Dual Stage Valve Preamp, plus more models as they're added.

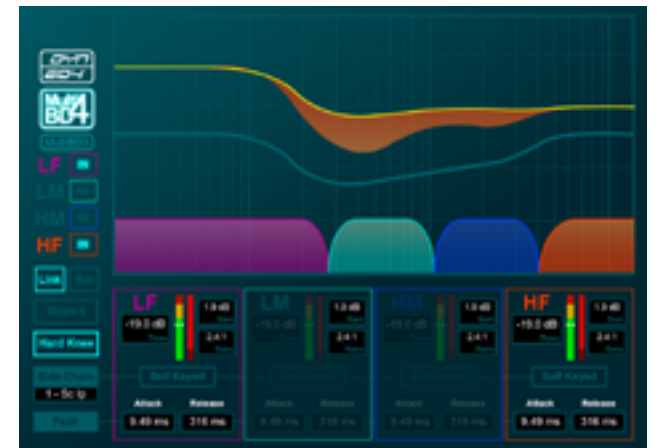
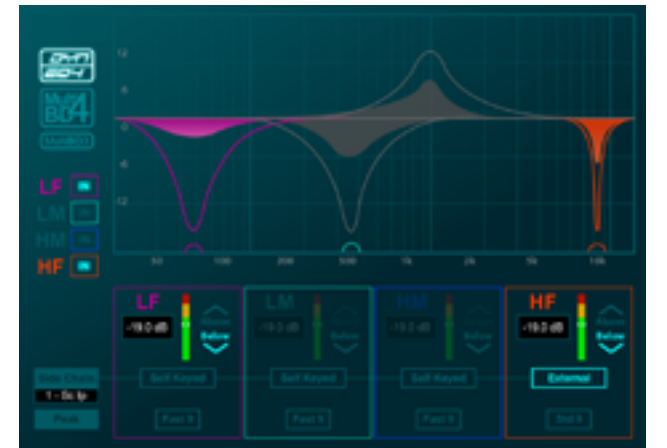


Trusted by platinum selling artists on sell-out tours, DEEP puts incredible emulations directly within Avantis' input and mix channels with zero latency. No burning FX slots, no 3rd party gear hassles and no issues with latency or phase coherency.

## DEEP

## DYN8

Avantis dPack also delivers Dyn8, a powerful and sophisticated processor boasting 4 bands of dynamic EQ and 4 bands of multiband compression. With endless applications including taming vocals, tightening sub-groups or adding sonic glue to a mix, Dyn8 changes the way we think about dynamic processing. dPack enables 16 Dyn8 engines for inserting on Input and Mix channels.







# FULL METAL CHASSIS

## Super-strong and **built to last.**

You've probably noticed that Avantis is not just another dull grey box mixer with plastic sides. Part-inspired by the tubular exo skeletons of the latest generation of superbikes, those sleek curves are all metal - super tough - but lightweight.

Because every part of Avantis was designed in pursuit of performance and reliability, we subjected it to some of the most rigorous testing we've ever embarked upon. And it took it all.



# RACKEXTRA **FX**

## 12 dedicated fx rack slots. **With no compromises.**

Trust us, these are not your usual built-in effects. pristine reverbs, detailed delays, and wonderful classic modulation effects.

Allen & Heath has a well-earned reputation for crafting FX emulations that rival the very best third party plug-ins, but with none of the associated hassle.

With a passion bordering on obsession, we've created a suite of FX inspired by some of the most revered outboard equipment, including

Best of all, we offer our 12 FX slots with no compromises. Each effect takes up just one of the 12 slots, and each of the 12 FX slots has a dedicated stereo return - so you don't need to waste your input channels.



# WELL CONNECTED

Dante. Waves. **And so much more.**

For local I/O, Avantis is well equipped with 12 XLR analogue inputs, 12 XLR analogue outputs, plus AES (Stereo In, 2x Stereo Out).

Two additional I/O Ports allow Avantis to benefit from the full range of current dLive option cards, including Dante (64x64 and 128x128), Waves, gigaACE, MADl and more, expanding the scope for system integration, FoH / monitor splits and multitrack recording.



## Dante

The Dante 64x64 and Dante 128x128 audio networking cards offer low latency, high channel count connectivity to Dante networks and devices using standard networking cabling and hardware.

- 128 or 64 bidirectional channels of Dante I/O at 96kHz or 48kHz
- Primary and Secondary audio ports for redundancy or switched operation
- Dedicated Control Network port for configuration
- AES67 compatible
- Dante Domain Manager (DDM) ready

## Waves V3

An interface to the Waves SoundGrid networking platform, for plugin processing, multitrack recording and audio distribution.

- 128 I/O
- Switchable 48/96kHz sample rate
- Waves SG networking
- Multitrack recording and playback



## gigaACE

A cost-effective and plug 'n play solution for digital splits and point-to-point connections.

- 128 I/O, 96kHz
- Ultra-low transport latency – 5 samples (52 us)
- Dual redundancy
- Switchable Control Network Bridge



## superMADl

A flexible toolkit of broadcast connectivity. Multifunction to address requirements of broadcast/recording feeds + OB Vans.

- 128 I/O on coaxial BNC
- Up to 128 I/O on multimode/single mode SFP modules
- Switchable 48/96kHz sample rate and redundancy per link pair
- Choice of Smux or HighSpeed 96kHz mode



## fibreACE

A fibre optic solution for large scale events and long cable runs up to 500m.

- 128 I/O, 96kHz
- Dual redundancy
- Switchable Control Network Bridge

# PERSONAL MIXING

Avantis is fully compatible with our 40 channel ME-1 and 16 channel ME-500 personal mixers. ME-1's 16 rubber keys can be assigned to a single source or Group from Avantis, with all the convenience of pressing a single button no

matter what you want to control – the main vocal mic, a stereo pair or the whole drumkit. ME-500 provides simplified setup and control, making it a cost-effective alternative for festivals and other time-pressured scenarios.



## ME-500

16 Channel Personal Mixer



## ME-1

40 Source Personal Mixer

## REMOTE CONTROL

The IP series of remote controllers can be used to complement Avantis in live sound applications, or open up further possibilities for control in fixed installations. They interface with Avantis via

standard TCP/IP Network connections and can be networked with other controllers, computers and third party devices using a standard Ethernet infrastructure.



## IP1

Remote Controller



## IP6

Remote Controller



## IP8

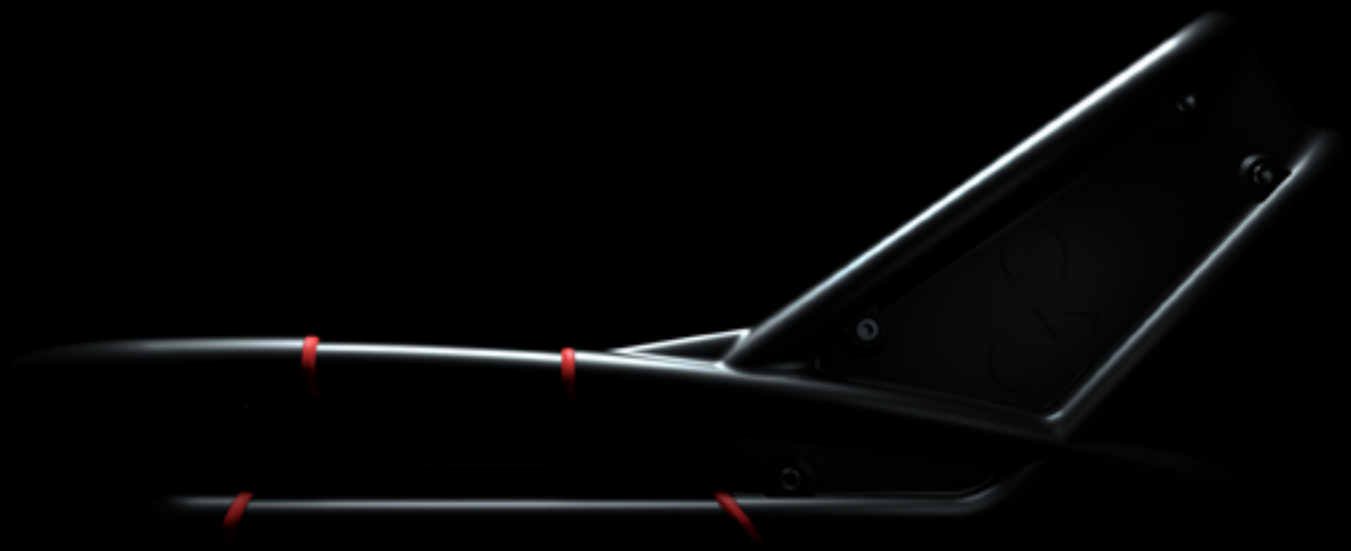
Remote Controller

## FULL FEATURE LIST

- 96kHz 64 channel / 42 bus digital mixer
- XCVI FPGA core with ultra-low latency (0.7ms)
- Fully configurable mix bus architecture
- Super-tough, full metal chassis
- Continuity UI seamlessly connects physical and touchscreen controls for the fastest, most intuitive workflows
- dPack option adds dLive processing, including 16 Dyn8 engines, plus per-channel zero-latency DEEP Compressors and Dual-Stage Valve preamp
- 12 RackExtra FX slots with dedicated stereo returns
- 16 DCAs
- Dual 15.6" Full HD capacitive touchscreens with gesture control
- AMM (Automatic Mic Mixer) up to 64 channels across 1, 2 or 4 zones
- Fully assignable layout
- 144 fader strips (24 faders, 6 layers) with optional dedicated master section
- SLink port for connection to Remote I/O Expanders and the ME Personal Mixing System
- 12 analogue XLR Inputs / 12 analogue XLR Outputs
- 1 Stereo AES In / 2 Stereo AES Out
- 2 I/O Ports, both capable of 128x128 operation at 96kHz – for optional cards inc. Dante, MADI and gigaACE
- User configurable rotary controls
- 24 assignable SoftKeys
- Comprehensive metering with multi-point peak detection
- USB stereo recording and playback
- BNC Word Clock







**ALLEN & HEATH**

Allen & Heath reserves the right to alter any information supplied in this document or any other document supplied hereafter. E&OE

AP12183