

Avantis Solo

64 channel / 42 bus digital mixer

Introduction:

Avantis Solo distills all the power of Avantis into a potent single screen package. Powered by Allen & Heath's award winning XCVI FPGA, Avantis Solo boasts 64 channels of input processing with 42 configurable busses; an intelligent SLink port connecting Avantis Solo with the Everything I/O range of remote expanders; studio-grade hardware emulations from Allen & Heath's flagship dLive system via the optional dPack upgrade; and a super strong yet lightweight full metal chassis.

Headline Features

- **Power of Avantis in a Smaller Form Factor**
 - o The most important story is that this *is* a full Avantis, all the same processing, all the same headline specs
- **I/O & Connectivity**
 - o **SLink port** for connection to Remote I/O Expanders and the ME Personal Mixing System
 - o **2 I/O Ports**, both capable of 128x128 operation at 96kHz – for optional cards inc. Dante, MADI and gigaACE
 - o 6 analogue XLR Inputs / 6 analogue XLR Outputs
 - o 1 Stereo AES In / 1 Stereo AES Out
- **Software Toolkit**
 - o Integration and support goliath;
 - RF Integration with Shure and Sennheiser
 - AMM
 - A&H Next-Gen RTA Tools
 - Custom Control
 - MixPad / OneMix
 - IP Controllers

Full Feature List (bold where different to Avantis Dual Screen):

- 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
- **Single 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
- **72 fader strips (12 faders, 6 layers) with optional dedicated main section**
- SLink port for connection to Remote I/O Expanders and the ME Personal Mixing System
- **6 analogue XLR Inputs / 6 analogue XLR Outputs**
- 1 Stereo AES In / **1 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
- **18 assignable SoftKeys**
- Comprehensive metering with multipoint peak detection
- USB stereo recording and playback
- BNC Word Clock

96kHz XCVI Core

Avantis is the third console range to be powered by the 96kHz XCVI core – pioneered by Allen & Heath using next generation FPGA technology, with parallel virtual processing cores delivering 64 full processing inputs and a configurable 42 bus architecture with phase coherency on all mix outputs. XCVI employs variable bit depth for ultimate precision and noise performance, a 96bit mix bus, and offers ultra-low latency at just 0.7ms.

XCVI also enables DEEP processing, embedding class-leading processing emulations directly within the input and mix channels.

Easy expansion with Everything I/O

Avantis Solo is as flexible as it is small, onboard sLink allows for connection to our wide range of audio expanders, whilst two large format I/O card slots support MADI, Dante and Waves cards for a whole host of recording and integration options.

For more control you can add our IP remote controllers, connect with MixPad, or Custom Controller, or put the artist in the driving seat with our ME Personal Mixer range.

Continuity UI - Touch the big picture

Continuity UI allows you to see and instantly interact with more of what matters, enabling a seamless connection between the physical controls and the crisp 1080p Full-HD display. 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. Avantis Solo features a FastGrab tab on the right-hand side of the screen, 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.

Get dLive Processing with dPack

Right out of the box, Avantis Solo is loaded with powerful processing tools that will easily meet the demands of most users and applications. Want more options? Upgrade your console to Avantis dPack, and you'll get additional processing from Allen & Heath's flagship dLive system, including Dyn8 (up to 16 instances), DEEP Compressors, and the Dual-Stage Valve preamp. Best of all, all future dPack updates will be automatically included, forever and free of charge.

Full metal chassis

Avantis Solo may be small, but definitely mighty. Encased in a super-strong, full metal tubular exo-skeleton, Avantis Solo effortlessly blends the practicality of a strong and sturdy outershell, with eye catching design.

Dante, Waves and more...

Two additional I/O Ports allow Avantis Solo to benefit from the full range of current dLive option cards, including Dante (64x64 and 128x128), Waves, gigaACE, MADI and more, expanding the scope for system integration, digital splits, recording and connectivity the Allen & Heath DT range of Dante enabled expanders.

For local I/O, Avantis is well equipped with 6 XLR analogue inputs, 6 XLR analogue outputs, plus AES (1x Stereo In, 1x Stereo Out).

12 RackExtra FX Engines

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. Avantis is armed with 12 stereo FX engines and features the acclaimed RackExtra library of emulations of legendary classic reverbs, gated reverbs, delays, modulators and more. All FX have dedicated stereo returns so you don't need to waste input channels.