



As the core of every SAVI Audio system, the versatile **DSP.One** simplifies system configuration, installation, and expansion with no licensing or additional software required. The **DSP.One** is feature-rich, housing signal processing, a matrix mixer, physical 16 x 16 I/O, zone paging, 8 microphone inputs, and an intuitive UI, enabling integrators of all skill levels to deliver complex audio experiences at a fraction of the time and cost.

DSP.One includes **SAVI Link**, a standards-based AoIP system combining analog and IP sources over the network, allowing dealers to connect the entire project with network-based amplifiers for a large, distributed environment.

KEY BENEFITS

- Reimagined configuration DSP UI: clean, intuitive, and works on any web-enabled device with no software to download
- Packed with I/O: 16 line-level analog inputs/outputs and 8 microphone pre-amps
- Eliminates license management and seamlessly combines all sources over the network via **SAVI Link**
- No external mixer required; **DSP.One** supports up to 16 mixes with any combination of sources, including **SAVI Link**, inputs, and microphones
- Front screen and status LEDs for at-a-glance information, troubleshooting, and quick configuration

SPECIFICATIONS

DSP Features	
Audio inputs	16 balanced line level analog (8 configurable as microphone), 64 SAVI Link (16 simultaneous)
Audio outputs	16 balanced line level analog, 16 AES67
Crosstalk	70 dB (20 Hz to 20 kHz)
Equalizer	10 band graphic EQ per channel
Filters	Up to 48 dB per octave
Frequency response	+/- 0.5 dB @ 4 Ohm, 8 Ohm, 70 V, 100 V, -2.5 dB @ 20 kHz at 2 Ohm
Interoperability	AES67
Mixer features	8 assignable paging inputs with ducking, mixes assignable to multiple outputs
Output delay	Up to 7.2 second audio delay for video lip sync
Output protection	DC, VHF, and AC mains protection, over temperature and current limiter, fan fault detection
Signal-to-noise level	105 dB (20 Hz to 20 kHz referenced to 8 Ohm)
Test tones	White noise and tone generator assignable per output
THD+N	0.1% (20 Hz to 20 kHz)

Electrical

Power consumption	20 A
Power input	100-240 V ~ 50/60 Hz

Control, Monitoring, and Network

Control integration system	Integrated with SAVI Controls
IP control	Three methods: SAVI Creator, SAVI Facility View, and Direct control through a built-in web server and user-friendly interface, no software download needed
Network configuration	DHCP or static IP address
Network connectivity	10/100/1000 Mbps ethernet
LAN port	8-pin RJ45 port with status LEDs
Supported operating systems	Windows, Linux, Mac, Chrome OS
User Interface	Realtime monitoring and control from web browser user interface or API

Inputs

Analog audio	16 each, balanced line-level inputs with up to 8 configurable as microphone inputs
Connector type	16 each, 3-pin Phoenix connector
Digital audio	Up to 64* channels SAVI Link (SDP, RTP, UDP, or RTSP stream)
Digital audio input sample rate	44.1 kHz/48 kHz

Outputs

Analog audio	16 independent line-level outputs
Audio playback formats	48 kHz
Connector type	16 each, 3-pin Phoenix connector
Digital audio	Up to 16 channels SAVI Link (SDP, RTP, UDP, or RTSP stream)
Subwoofer	All outputs configurable with LPF for sub-outputs

Mechanical / Environmental

Dimensions	1.75 in x 19 in x 15.5 in (HxWxD)
Mounting	Integrated rack ears for 1U mounting
Operating temperature	32 to 86 °F (0 to 30 °C)

Mechanical / Environmental

Rack spacing	1U
Storage temperature	-40 to 185 °F (-40 to 85 °C)
Weight	7.5 lb

Included Accessories

Power cord	6 ft 20 A NEMA 5-15P to IEC power cord
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*Active **SAVI Link** connections may exceed 64 channels but are limited by the combined processing power of the **DSP.One** and **SAVI Server Pro**.