IO-16000

8-channel cinema
DSP amplifier

AMPLIFIERS

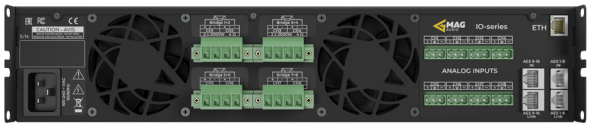
DATASHEET

The IO Series marks a new era of simplicity and convenience for professional audio installations. These amplifiers feature state-of-the-art DSP technology and incorporate MAG Audio's unique amplifier connection and control architecture for seamless system integration and operation.

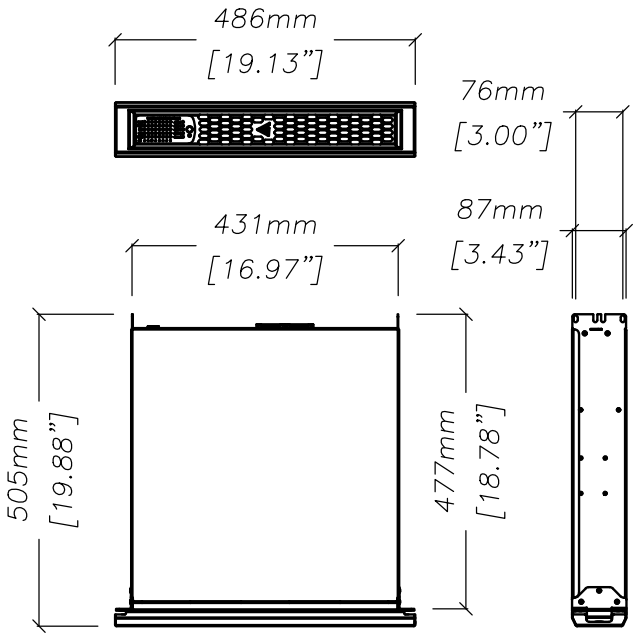
Built on highly efficient Class D amplification, IO amplifiers support 16 AES3 input channels, making them ideal for crafting high-performance installation sound systems. The Phoenix connectors ensure effortless speaker wiring, while additional analog inputs provide easy integration for a wide range of signal sources.

Control is at your fingertips with the intuitive WebUI, granting one-stop access to all system functions. This includes a fully customizable input-to-output matrix, room EQ, automation tools, and much more.

The IO-16000 model exemplifies efficiency, offering 8 output channels at 2000W into 4 Ohm, delivering powerful performance with uncompromising reliability.



DIMENSIONS



SAFETY INSTRUCTIONS

1. Do not use this equipment near water.
2. Clean only with dry cloth.
3. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
4. Do not use near heat sources such as stoves, heat registers, radiators or other equipment (including amplifiers) that produces heat.
5. Do not use the unit near open fire sources.
6. Connect the unit only to the electric network with grounding. Use only electic plugs that provide grounding.
7. Protect the power cord from being walked on, pinched, or otherwise damaged.
8. Use only accessories specified by the manufacturer.
9. Unplug this unit during lightning storms or when unused for long periods of time.
10. Refer all servicing to qualified service personnel. Servicing is required when the system has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the unit, the unit has been exposed to rain or moisture, does not operate normally, or has been dropped.
11. WARNING - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS SYSTEM UNIT TO RAIN OR MOISTURE.

SPECIFICATIONS

Number of channels		8
Power rating	**4 Ohm**	**8 × 2000 W**
	8 Ohm	8 × 1000 W
	16 Ohm	8 × 600 W
	8 Ohm bridge	4 × 3000 W
	16 Ohm bridge	4 × 2000 W
Frequency range		20 Hz - 20 kHz
Amplifier		Class D high efficiency
Input sensitivity		+16dBu / +4dBu selectable
Maximum input level		+22dBu / 10 dBu
Input impedance		10 kOhm unbal., 20 kOhm bal.
DSP		Full DANA compatibility 24 bit / 96 kHz
DSP functions		- Input gain - Input-to-output matrix - Room graphic, parametric - EQ, Hi and Lo shelf - Delay - Speaker presets - Output gain -Master volume, mute, stand by - Status monitoring - Automation commands
Crosstalk separation		100 dB @ 1 kHz
THD		<0.5%
Power consumption, 1/8 of max output power @ 8 Ohm		2000 W
Thermal dissipation, 1/8 Max Output Power @ 4 Ohm		1242 BTU/h
Power consumption, idle, stand by on/off		5W / 40W
Damping factor, 8 Ohm		> 500 @ 1kHz
S/N ratio, analog		100 dB
Connectors		- 8 × 3-pin Phoenix analog input - 4 × 4-pin Phoenix speaker output - RJ-45 Ethernet - RJ-45 AES 1-8 input - RJ-45 AES 9-16 input - RJ-45 AES 1-8 link - RJ-45 AES 9-16 link - C19 mains input
Dimensions (W × H × D)		486 × 87 × 505 mm, 2U
Net weight		14.5 kg