

16-Channel Digital Amplifier, AMP-1640

AMP-1640 is an ultra-efficient Class D amplifier delivering 16 channels of reliable, affordable, feature-rich amplification rated at 40WPC at 8 Ohms in a three rack-space metal enclosure. The extraordinary power supply design provides the energy necessary to deliver solid, deep, controlled bass to a house full of speakers. More sound for less power.

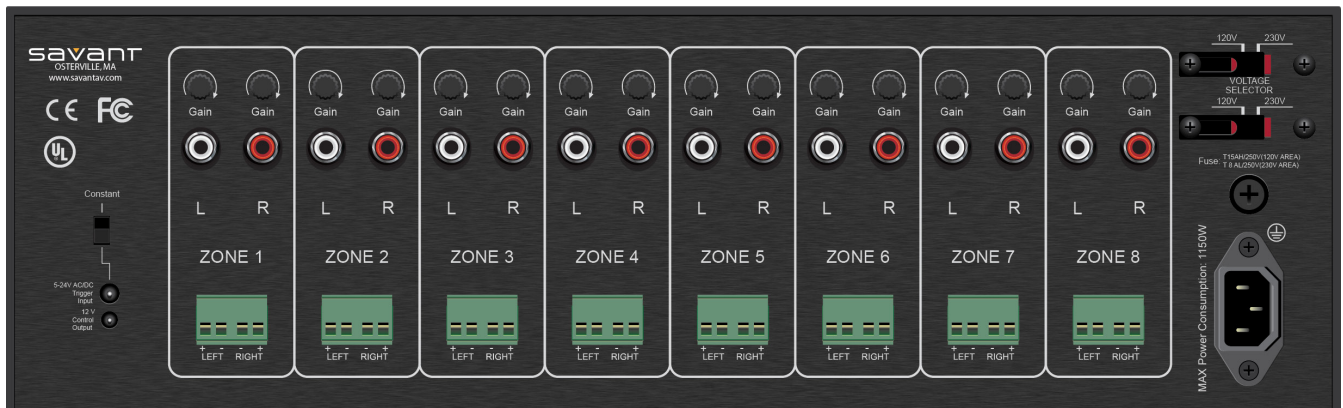
Included on the rear panel are RCA inputs for eight zones, independent gain controls, 12 volt trigger and eight pairs of large removable speaker connectors are included. Each zone can drive a pair of eight ohm speakers.

The AMP-1640 is the ideal complementary solution when paired with Savant's family of multi-room audio solutions. Of course, with 16 channels of great sound, the AMP-1640 also happens to be the ideal amplifier for just about any distributed audio system.

With Savant Solutions **Now You Can™...**

BENEFITS AND FEATURES

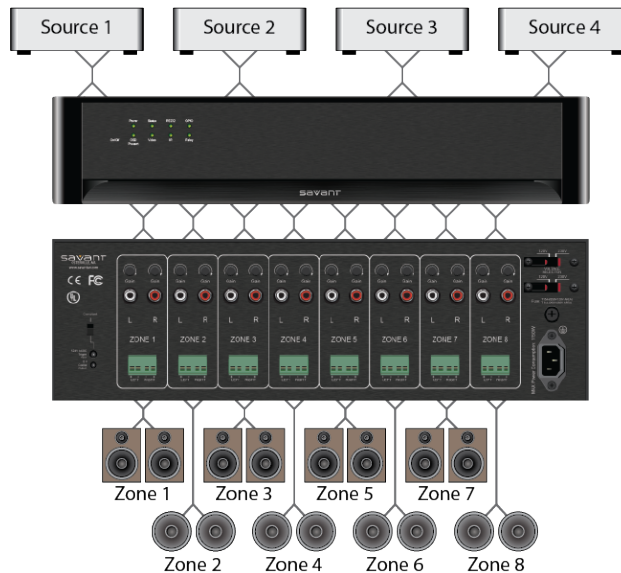
- ▶ Audiophile-grade 16 channel amplifier
- ▶ Ultra-efficient Class D design
- ▶ 40 watts per channel @ 8 ohms
- ▶ Signal-to-Noise Ratio > 90dB
- ▶ Distortion < 0.07% THD+N
- ▶ Independent level controls
- ▶ Two power modes—Always on and 12v trigger for remote turn-on
- ▶ Only three rack spaces high (3U)
- ▶ Front panel LEDs indicate fault status
- ▶ Fanless design with overload protection
- ▶ Savant industrial design signature, metal with matte finish



Front and Rear View

TECHNICAL SPECIFICATIONS

Model Number	AMP-1640
Operating Parameters	<ul style="list-style-type: none"> • 16 channels x 40W RMS/channel @ 8 ohms (all channels driven, 0.1% THD+N, 1kHz) • 16 channels x 50W RMS/channel @ 4 ohms (all channels driven, 0.1% THD+N, 1kHz) • Input impedance: 33k ohms • Input sensitivity: 750mV for 40W @ 8 ohms • Overall voltage gain: 26.3 dB • Frequency response: Bandwidth limited from 20Hz to 20kHz • Distortion, THD+N < 0.07% THD+N from 20Hz to 20kHz • Signal-to-Noise Ratio > 90 dB
Input Trigger	5 - 24V AC/DC
Output Trigger	12V DC (100mA)
Dimensions & Weight	(H x W x D) in inches: 5.2 x 17.3 x 15 (13.2 x 44 x 38.2 cm) Weight: Approx. 35 lbs (16 Kgs)
Enclosure	3U fanless metal enclosure, matte black with front panel LEDs
Included Items	<ul style="list-style-type: none"> • Rack mounting hardware • Installation kit
Input Power	<ul style="list-style-type: none"> • 120 VAC 60Hz, 10 A (N. America) • 230 VAC 50Hz, 5 A (Europe)
Rated Current Draw	10A (1150 max. wattage power consumption)
Fuse Rating	T15H/250V (120V Area), T8AL/250V (230V Area)
Power Connection	IEC 320 Power connection with 3-pole detachable power cord
Environmental	<ul style="list-style-type: none"> • Temperature: 32 ° to 95 ° F (0 ° to 35 ° C) • Humidity: 10% to 80% RH (non-condensing)
Compliance	<ul style="list-style-type: none"> • RoHS Compliant • CSA NRTL/C and FCC Part 15 Class B



4 x 8 Audio Distribution

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Savant Systems' technology and designs are protected by patents issued in the U.S. and other countries and pending U.S. and foreign patent applications. Savant Systems LLC reserves the right to change product specifications without notice.

770 Main St., Osterville, MA. 02655

P. 508.683.2500 F. 508.683.2600

www.savantav.com