



PA870 Power Amplifier

The PA870 is Gentner's eight-channel power amplifier. The PA870 leaves the competition behind by accommodating 8Ω and/or 70 volt speaker systems. This means you now have zoning and room-combining options not possible with other power amplifiers.

The PA870 delivers 25 watts (at 8Ω and 70 volts) of power to each of the eight channels. It allows bridging in a one-channel input/two-channel output configuration for 50 watts of power. Bridge switches simplify bridging setup and protect against damaging cross-connections. An LED indicates bridging status.

The PA870 includes presence and clip LEDs on the front and back panels to notify you of signal status and help you minimize clipping.

And since the PA870 requires just two rack units of space, it conveniently fits in any small space that requires multiple channels of amplification. Plus, there are no moving parts or fans, so the PA870 operates quietly.

With Gentner's PA870 Power Amplifier, you get the unmistakable engineering and solid sound you'd expect from Gentner.



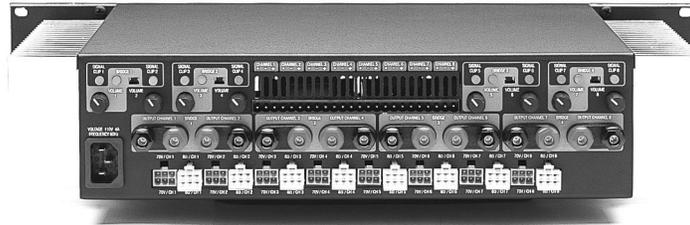
The PA870 accommodates both 8Ω and 70 volt speaker systems.

Features and Benefits

- Eight separate amplifier channels
- Bridgeable channels at 8Ω
- Drives 8Ω and/or 70 volt speaker systems
- Presence, clip, and bridge LED indicators for each channel on both the front and rear panels for simplified setup
- Uses only two rack spaces
- No fan
- Thermal and short-circuit protected
- Rear panel volume controls
- Simple setup and operation

Applications

- Multiple Zones and Room-Combining
- Boardrooms
- Conference Rooms
- Courtrooms
- Meeting Rooms
- Training Rooms
- Small Auditoriums
- Houses of Worship
- Intercom Systems



Specifications

Dimensions (W/H/D)

19" x 3.5" x 13"
48 cm x 9 cm x 33 cm

Weight

30 lb (13.6 kg)

Power Requirements

120VAC, 50–60Hz

Power Consumption

600 watts

Connectors (each channel)

Input: Removable Phoenix
(line-level only)

Output: "touch-proof" binding posts

Audio Performance

General Voltage Gain (dB):

Single Input: 26dB

Differential Input: 32dB sensitivity
(for rated power @ 8Ω): 1.0Vrms

Distortion: SMPTE-IM,
less than 0.05%

Frequency Response

20Hz to 20kHz, ±1dB,
full power rated

Noise

105dB below rated output
(A weighted)

Input Impedance:

10kΩ balanced, 5kΩ unbalanced

8 Ohm Configuration

Output Power Per Channel from
20Hz–20kHz: 25 watts into 8Ω

THD: <.05% at rated power

Crosstalk: Better than 90dB

Intermod Distortion: Better than
0.025%

70 Volt Configuration

Output Power Per Channel from
80Hz–20kHz: 25 Watts into 8Ω

THD: <.05% at rated power

High Pass Filter: -3.5dB @60Hz

Crosstalk: Better than 85dB

Intermod Distortion: Better than
0.025%

Bridged Configuration

Output Power Per Bridged Channel
Pair from 20Hz–20kHz : 50 watts
into 8Ω

THD: <.05% at rated power

Crosstalk: Better than 90dB

Intermod Distortion: Better than
0.025%

Controls

Front: AC switch, AC circuit breaker

Back: Bridge switch, Ch. 1 to Ch. 8
gain knobs

Indicators

Power On: Red On/Off switch

Signal Presence/Clip: Green/Red LED
(front/rear)

Bridging: Amber LED (front/rear)

Protection

Cooling: Passive

Amplifier Protection:

Full short circuit protection, thermal,
open circuit, ultrasonic, and RF
protection. Stable into reactive or
mismatched loads.

Load Protection: On/Off muting,
DC fault protection

Compliance

This equipment meets regulatory
compliance standards for CSA C22.2
No. 1-98—Safety Standard for Audio,
Video and Similar Electronic
Equipment and UL 813—Safety
Standard for Commercial Audio
Equipment