



Sonamp® Power Amplifiers

875D SE Amplifier

The new Sonamp® 875D SE is a hybrid 8-channel amplifier that combines the efficiency of digital amplification with proven analog power supply technology, delivering unprecedented efficiency, compactness and high-end sound quality in an extremely flexible and useful package.

Class T digital amplification with Digital Power Processing® allows the 875D SE to deliver high power (75 watts per channel @ 8 ohms x 8) in an exceptionally small (2U rack height) package, with all the musical sound quality Sonance Sonamps have become known for. Unlike conventional digital amplifiers, the 875D SE's Class T circuitry allows it to operate with any of its four pairs of channels in a bridged mode, providing 300 watts x 4 channels into 8-ohm loads. Four independent power supplies (one for each zone) use trusted analog technology to assure that each zone will receive plenty of current regardless of how hard any other zones are being driven.

The Sonamp 875D SE incorporates BBE® Sound Enhancement that improves presence and detail of speakers, especially at lower listening volumes. This makes it particularly effective at improving the sound quality of distributed audio systems playing background music. BBE also restores

clarity and definition (or focus) to spoken voices, making paging systems easier to understand without having to run them at high volumes. Each zone in the 875D SE has individual controls that set the BBE enhancement to +9dB, +6dB or OFF.

The 875D SE's multiple input connections (Direct, L/R & Aux) and buffered line outputs provide the connection flexibility that Sonance dealers have come to expect. Each zone has its own 12V input and output triggers and defeatable auto-on signal sensing that help maximize power management for the channel configuration in use at any time. Recessed front-panel controls allow tamper-resistant adjustment of each channel's input level, and of each zone's auto-on sensitivity.

Serial control capability allows the 875D SE to be directly controlled by a variety of top-line 3rd-party control systems. In addition to controlling an extensive array of operational features, the serial provision also allows the 875D SE's operation to be monitored from a remote location. Front-panel LEDs provide Power ON/OFF indication for the amplifier, and Zone ON/OFF, BBE ON/OFF and Fault status indication for each zone.

Powerful & Reliable:

- **75W RMS per channel (X8), 0.25% THD, 20Hz - 20kHz, @ 8 ohms; 140W (X8), 0.1% THD, 1kHz, @ 4 ohms.**
- **Bridgeable: 300W x 4 @ 8 ohms.**
- **Four proven analog power supplies (one for each zone).**
- **Individual protection circuitry for each zone.**

Compact Size:

- **Compact 2U rack height chassis (rack ears included).**
- **One 875D SE can do the work of four Sonamp 275 SE amplifiers in ¼ the space.**

High-End Sound Quality:

- **Class T digital amplification with Digital Power Processing® delivers high efficiency and musical sound quality; allows bridging (unlike conventional digital amplifiers).**
- **BBE® Sound Enhancement circuitry with individual ON/OFF settings for each zone.**

Versatile Inputs, Control and Triggering:

- **11 total inputs (8 DIRECT inputs, 2 L/R inputs, 1 Aux input) and 3 buffered LINE OUTPUTS (on L/R and Aux inputs).**
- **Defeatable Auto-On signal sensing for use in distributed audio systems with in-wall volume controls.**
- **Voltage triggering (each zone and all zones) for use in basic control systems.**
- **Serial control capability (via RS-232 connection).**

Operational Features:

- **Front-panel POWER ON LED.**
- **Front-panel ZONE STATUS LED, BBE ON LED and FAULT LED for each zone.**
- **Tamper-resistant power switch and recessed front-panel input level control for each channel.**
- **Recessed Auto-On trigger levels for each zone.**
- **Removable speaker connectors for each zone.**

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Specifications:

Number of Channels: 8 (four stereo pairs)

Output Power (Stereo): 75 watts RMS per channel (X8),
0.25% THD, 20Hz - 20kHz, @ 8 ohms

140 Watts per channel (X8),
0.1% THD, 1kHz, @ 4 ohms

Output Power (Bridged): 300 Watts per channel (X4) @ 8 ohms

Frequency Response: 20Hz - 20kHz, ±1dB

Total Harmonic Distortion: 0.05% (1kHz, 8 ohms)
0.10% (1kHz, 4 ohms)

Signal to Noise Ratio: -96dB (w/22kHz filter)

Input Sensitivity: 1.5V for 75W RMS Output;
1.3V w/BBE ON (+6dB)
1.0V w/BBE ON (+9dB)

Input Impedance: 10k ohms

Maximum Source

Input Voltage: 4.0 VAC RMS
3.0 VAC RMS w/BBE ON

Loop Output

Impedance (Buffered): 100 ohms

Serial Protocol

(RS-232 Connection): 9600, N, 8, 1, single CR

Power Consumption: 1,200 Watts

BTU/HR: 850

AC Fuse: 10A (T10AL ~ 250V)

Dimensions (W x H x D): 16 11/16" x 3 7/8" x 17 1/4"
(424mm x 98mm x 438mm)

Shipping Weight: 47 lbs (21.4kg)



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Due to continuous product improvement, all features and specifications are subject to change without notice.

For the latest Sonance product specification information visit our website:

www.sonance.com