



Sonamp® Power Amplifiers

ASAP3D SE Stereo Power Amplifier

The ASAP3D SE combines the latest digital power amplifier technology with proven Sonamp® auto House/Local source switching and BBE® Sound Enhancement in a new small package that dramatically expands your installation options.

Featuring a highly efficient ICEpower® digital amplifier that provides 25W RMS/ch @ 8 ohms and 50W RMS/ch @ 4 ohms with very little heat generation, the ASAP3D SE is housed in a 1U high by ½-rack wide package. This allows you to mount the amplifier almost anywhere (a key-hole on the bottom panel even lets you hang it on a wall behind a flat screen TV), improves its long-term reliability and provides significant energy savings over conventional amplifier designs. (ICEpower was developed by B&O, a company known for high-quality sound.)

The ASAP3D SE will automatically switch a pair of speakers between two different input sources (*House* and *Local*). Typically, the *House* source will be a whole-home audio system that normally plays in the area, and the *Local* source will be a nearby source, such as a TV set. A common application would be to use the ASAP3D SE to power and automatically switch a pair of speakers in a bedroom from playing background music sent by the whole-home audio system to playing the sound of the bedroom TV whenever the TV is switched on. With the amplifier's Mono Variable Output feeding a local-zone powered subwoofer, this installation would provide much better sound quality than the TV could supply on its own.

Any one of four different triggers can be set to cause the ASAP3D SE to automatically switch from the *House* source to the *Local* source:

- The presence of an audio signal at the *Local* line or speaker inputs;

Features:

- 25W RMS/ch @ 8 ohms; 50watts RMS/ch @ 4 ohms
- ICEpower® digital amplifier is highly efficient, generating very little heat and keeping the amplifier's size to a minimum, both of which greatly expand installation options.
- Small size (1U rack height, ½-rack width); amp is small enough to mount on the wall behind a flat-screen TV.
- Automatic *House/Local* source switching
- Source switching can be triggered by audio signal, TV power-up, external control voltage or IR signal.
- IR-controllable (input switching, volume, muting, BBE®).

- When a TV set that is connected to the ASAP3D SE's AC Trigger outlet is turned ON;
- When an external control voltage is present at the Voltage Trigger input;
- When triggered by a signal from an IR controller connected to the IR Input.

A set of IR connections enhances installation and operational flexibility: The *IR Input* connection allows the ASAP3D SE's automatic input switching, volume, muting and BBE to be directly controlled by a whole-home control system or an IR keypad controller. The *IR Output* connection allows the connection of Sonance OptiLinQ® IR emitters so that 3rd-party control signals can be passed-through to their intended components, and the *IR Bus* connection allows IR signals from multiple ASAP3D SEs to be passed-through to a single set of IR emitters.

Built-in BBE Sound Enhancement improves the presence and detail of speakers, especially at lower listening volumes, so distributed audio systems playing background music sound better at quiet volume levels. BBE also restores clarity and definition to spoken voices, making paging systems easier to understand without their having to be run at high volumes. The ASAP3D SE's BBE enhancement can be set to HI (+6dB), LO (+3dB) or OFF.

Built-in high-pass and low-pass filters protect in-wall volume controls and tweeter drivers, and conserve energy by preventing the amplification of inaudible frequencies. Removable quick-connectors and trigger switches for auto source switching and BBE settings simplify installation. A series of front-panel LEDs indicate the amplifier's operating status and the existence of a number of fault conditions.

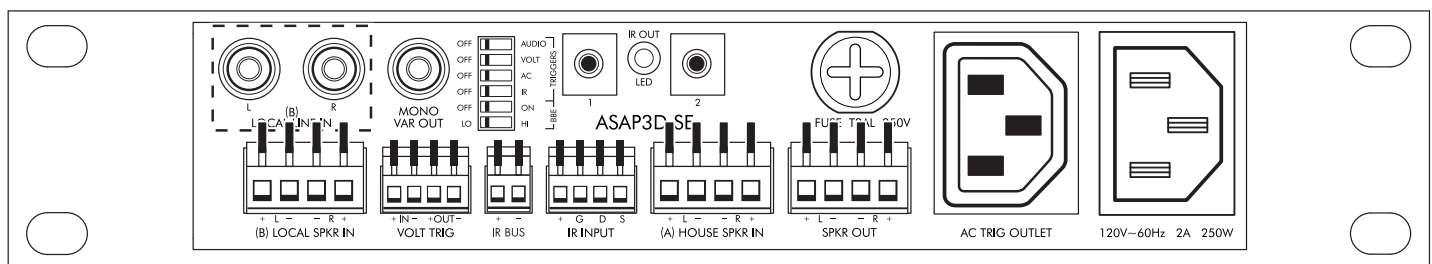
- IR Output connections pass signals from IR controller to emitters for controlling 3rd-party devices.
- IR Bus connection links control signals from multiple ASAP3D SEs to a single set of emitters.
- BBE® Sound Enhancement with +3dB, +6dB and OFF settings.
- Front-panel LEDs indicate operating status and fault conditions.
- Removable quick-connectors and trigger switches simplify installation.

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Specifications:

ASAP3D SE

Number of Channels:	2 (one stereo pair)
Output Power (Stereo):	25 watts RMS per channel, 0.25% THD, 20Hz – 20kHz, @ 8 ohms 50 watts RMS per channel, 0.25% THD, 1kHz, @ 4 ohms
Frequency Response:	20Hz – 20kHz +1dB/-3dB (w/ 20Hz high-pass filter)
Total Harmonic Distortion:	0.10% (1kHz, 8 ohms); 0.25% (1kHz, 4 ohms)
Signal to Noise Ratio:	-94dB (w/ 22kHz filter, A-WTD); -88dB (with AC-sensing trigger)
Input Sensitivity:	0.9V for 25W RMS output 0.7V w/BBE ON (+3dB) 0.5V w/BBE ON (+6dB)
Input Impedance:	13k ohms
Maximum Source Input Voltage:	2.3VAC RMS 1.3VAC RMS w/BBE ON
Power Consumption:	200 Watts
Heat Output:	187 BTU/hr
AC Fuse:	120V Version: 2A (T2AL ~ 250V) 230V Version: 1.25A (T1.25AL ~250V)
Dimensions (W x H x D):	9½" x 1¾" x 12½" (241mm x 45mm x 318mm)
Rack Space Requirements:	1U (½-rack width)
Weight:	7.0 lbs (3.2kg)



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