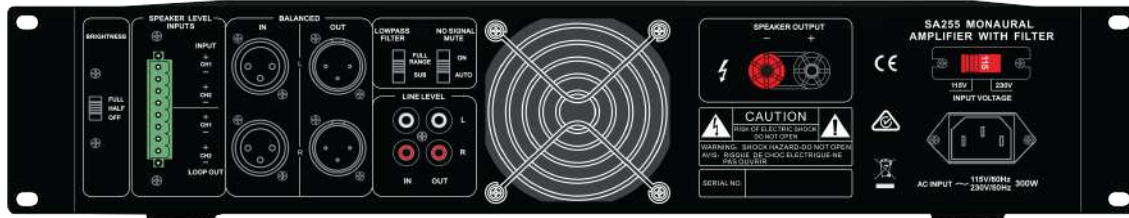


SA255 MONAURAL AMPLIFIER WITH FILTER



Front view



Rear view

The Stealth Acoustics SA255 is an integrated monaural amplifier with low pass filter designed as a low distortion power source for Stealth Acoustics wall or ceiling mounted, invisible subwoofer panels or other un-powered speakers. Intended for whole house audio or home theater bass applications, the SA255 may stack with other components or mount in a standard 19" (482 mm) equipment rack requiring only two RU spaces or 3-1/2" (89 mm). Removable rack mount ears are provided. The SA255 delivers a solid 250 watts into an 8Ω load and 350 watts into 4Ω. A variable low pass, 18 dB per octave filter allows for infinite crossover points from 50Hz to 100Hz. A built-in automatic limiter stage minimizes system

overloads. With a full complement of input and output connectors, the SA255 is easily integrated into any audio system. Inputs include RCA line level, balanced XLR line level, and phoenix connector speaker level, all with pass-through capability. The speaker level input/pass-through connections allow the SA255 to feed directly from full-range speaker lines, anywhere in the system. The SA255's amplifier output connection is via a 5-way binding post designed to accept heavy gauge speaker wires. A selectable automatic turn-on feature activates the amplifier only when audio signals are present. Other features include an internal, quiet, 8-stage cooling fan that automatically engages as required.

Front panel controls include volume control, variable low pass filter, phase control, power switch and six power output monitor LED's. Rear power controls consist of filter bypass switch for full range operation, no signal mute switch and 3-position panel graphics control switch. 115VAC and 230VAC input line voltages are selectable, via a rear panel switch. The Stealth Acoustics SA255 monaural amplifier is covered by a 2-Year manufacturer's warranty.



Architectural & Engineering Specifications

The SA255 amplifier shall be an integrated monaural amplifier with variable low pass filter designed as a low distortion power source for Stealth Acoustics invisible subwoofer panels outdoors subwooders or other un-powered speakers. The amplifier shall provide a minimum of 250 watts into an 8Ω load and 350 watts into a 4Ω load and be equipped with a variable low pass, 18 dB per octave filter allowing for infinite crossover points from 50Hz to 100Hz. The amplifier shall have a switch selectable AC mains power input supporting 115VAC 60Hz and 230VAC 50Hz voltages.

The SA255 amplifier shall feature a full complement of input and output connectors. Inputs shall include RCA line level, balanced XLR line level, and 5-way binding post speaker level, all with pass-through capability. The speaker level input/pass-through connections shall allow the SA255 to feed directly from full-range speaker lines, anywhere in the system. The SA255 amplifier output connection is via a 5-way binding post designed to accept heavy gauge speaker wires.

The amplifier shall also feature an internal, quiet, 8-stage cooling fan that automatically engages as required. Front panel controls shall include volume control, variable low pass filter, phase control, and six power output monitor LED's. Rear power controls consist of filter bypass switch for full range operation, no signal mute switch and 3 - position panel graphics control switch, and power switch

The amplifier shall have a selectable automatic turn-on feature which activates the amplifier only when audio signals are present.

The unit shall weigh 28 lbs (12.7 kg) and be supplied with removable rack ears. The unit shall measure 19" (482 mm) wide with rack rails – 17" (432 mm) wide without rails, 3-1/2" (89 mm) high and 13-5/8" (346 mm) deep.

The Stealth Acoustics SA255 monaural amplifier shall be covered by a 2-year manufacturer's warranty.

Product Specifications

Mono Power Output

250 watts @ 8Ω < 0.05 THD
350 watts @ 4Ω < 0.05 THD

Total Harmonic Distortion

<0.05 @ 1 watt 4Ω / 100Hz

Signal to Noise Ratio

86 dB below rated output

Crossover Section

Low Pass Filter: 50Hz - 150Hz / 18 dB per octave (variable with bypass switch)

High Pass Filter: 18Hz / 30 dB per octave (fixed)

System Impedance

8Ω nominal - 4Ω minimum

Current Draw

6.2A @ 350W/4Ω – 115-230 VAC/50-60Hz

Dimensions

Width: 19" (482 mm)

Height: 3-1/2" (89 mm) – without feet

Depth: 13-5/8" (346 mm)

Finish

Black anodized aluminum

Shipping Weight

30 lbs. (13.6 kg)

Included Accessories

Removable power cord, removable rack ears

Product Features and Functions

Rack Mountable

(2) RU spaces: 3-1/2" (89 mm)

(Provided rack ears are removable)

DC Protected

Fixed high pass filter @ 18Hz

Variable Low Pass Filter (with Bypass)

50 to 150Hz / 18 dB per octave

Power Standby LED

Red (blue when system is active)

Auto On/Standby Function

Switch selectable "on" or "off"

Flexible Inputs with Pass Through

Binding post speaker level inputs / outputs

RCA line level inputs / outputs

XLR balanced line inputs / outputs

Amplifier Output Connector

5-way binding post

Output monitor LED's

6 level readings

Phase Switch

Built-in Automatic Limiter

Low Pass Filter on/off Switch

Fan Cooled

Automatic - 8 speed stages

110v-60Hz and 220v-50Hz Input Voltages

Dimmable Front Panel Graphics

Full / half or off brightness settings.