

## MONAURAL SUBWOOFER AMPLIFIER



Front view



Rear view

The Stealth Acoustics 255R is an integrated monaural subwoofer amplifier / crossover system designed as a low distortion power source for Stealth Acoustics wall or ceiling mounted, invisible subwoofer panels or other un-powered subwoofer speakers. Intended for whole house audio or home theater bass applications, the 255R 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 255R 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. With a full complement of input and output connectors, the 255R is easily integrated into any audio system. Inputs 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 allow the 255R to feed directly from full-range speaker lines, anywhere in the system. The 255R'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, low pass filter on/off switch, phase control, power switch and six power output monitor LED's. 110VAC and 220VAC input line voltages are selectable, via a rear panel switch. The Stealth Acoustics 255R subwoofer amplifier is covered by a 2-Year manufacturer's warranty.

# 255R MONAURAL SUBWOOFER AMPLIFIER

## Architectural & Engineering Specifications

The 255R amplifier shall be an integrated monaural subwoofer amplifier / crossover system designed as a low distortion power source for Stealth Acoustics wall or ceiling mounted, invisible subwoofer panels or other un-powered subwoofer 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 110VAC 60Hz and 220VAC 50Hz voltages.

The 255R 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 255R to feed directly from full-range speaker lines, anywhere in the system. The 255R 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, low pass filter on/off switch, phase control, power switch and six power output monitor LED's.

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 255R subwoofer 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 – 110-220 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

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

### Low Pass Filter on/off Switch

### Fan Cooled

Automatic - 8 speed stages

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

**Stealth Acoustics**

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