STEALTH ACOUSTICS

StingRay 83 Environmentally Durable Sound

8″ 3-WAY HERMETICALLY-SEALED OUTDOOR SPEAKER

Finish Options: Black | White | Custom

StingRay Environmentally Durable Sound

Recommended Applications:

- High Performance Outdoor Audio
- Outdoor Home Theater
- Marine Audio Systems
- Foreground Music
- Background Music
- Voice Paging
- Sound Masking Systems

Performance:

- 160 Watts RMS
- 40Hz to 20kHz (see Figure 1)
- 80W Minimum recommended power

Protection:

- Two independent self-resetting circuits (high/mid and low-frequency)

Factory Finish Options:

- The StingRay is available in Matte White, and Matte Black.

Custom Finish Options:

- Finish options may include paint or adhesive vinyl appliques (not included).

The Stealth Acoustics StingRay 83™ is a full-range, high-fidelity, 8" three-way environmentally protected outdoor speaker utilizing sealed-front radiator technology in an enclosure with no grill or other openings. The StingRay 83™ features Stealth's proprietary Fidelity Glass™ radiating surface made from extremely durable and impenetrable glass fiber that resists elements like salt water, sunlight or harsh temperatures, while providing full and natural sound for music or speech applications.

The StingRay 83™ offers powerful advantages over traditional outdoor loudspeakers. The speaker is impervious to the elements and can be placed in almost any outdoor setting. Featuring an CEI/IEC Ingress Protection (IP) rating of 68 for maximum protection, the StingRay 83™ does not allow dust or moisture to enter the device, making it perfect for any outdoor application where wide coverage, full range sound and ultimate environmental durability are required.

The sleek sealed rear enclosure is constructed from UV protected ASA marine-grade plastic for ultimate outdoor durability. Traditional input terminals have been replaced with a waterproof cable exit and a sunlight/moisture resistant 2' cable pigtail. UG rated butt splice connectors are provided for superior corrosion resistance connections to feed wiring.

The StingRay 83™ has four factory-standard mounting configurations using the included proprietary mounting bracket, providing for simple vertical, horizontal and downward firing mounting configurations, or free standing floor operation. An optional ground stake accessory is available for anchoring the speaker to various substrates. The speaker is also compatible with many common universal swivel mounts.

Offering near-hemispherical radiation throughout its full range of sound, the Stealth Acoustics StingRay 83™ incorporates an acoustically coupled high quality, low profile, high-power 8" cone woofer, a 30 mm direct coupled neo-magnet mid-range driver and a direct coupled 25 mm neo-magnet high-frequency driver providing smooth response from 40Hz to 20 kHz. The speaker contains two independent self-resetting protection circuits (high/mid-frequency and low-frequency sections) to protect it from excessive amplifier power.

The StingRay 83™ is offered in matte black, and matte white, or may be custom painted or vinyl wrapped to match almost any environment.

The Stealth Acoustics StingRay 83™ is covered by a 5 year manufacturer's warranty.

StingRay 83X
Environmentally Durable Sound

8″ 3-WAY HERMETICALLY SEALED OUTDOOR SPEAKER

Architectural & Engineering Specifications

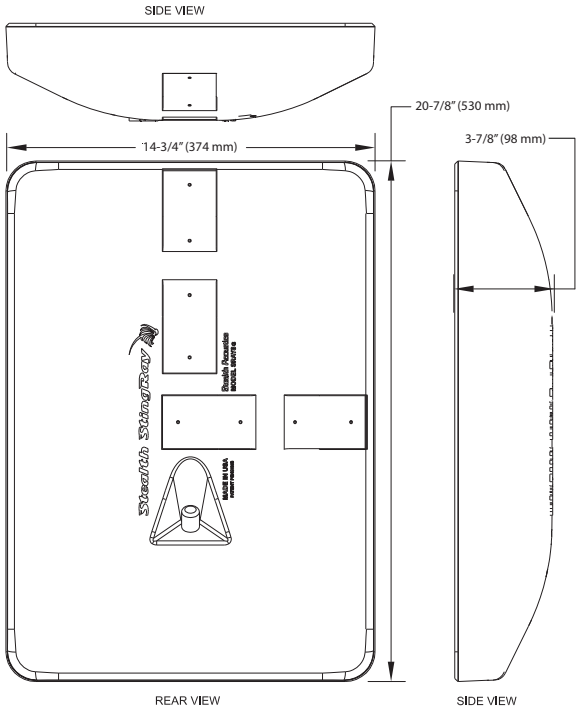
The outdoor loudspeaker shall be a three-way, full-range device, reproducing frequencies from 40Hz to 20kHz, without the use of external filters or equalizers. The loudspeaker shall incorporate an impenetrable sealed-front radiating panel with a minimum radiating surface area of 228 sq. in (1,471 sq. cm). The loudspeaker shall be completely enclosed and shall offer an Ingress Protection rating of IP-68 per CEI/IEC 60529 for maximum protection from water and dust intrusion.

Dispersion shall be a nominal 170 degrees in both horizontal and vertical planes across the entire frequency operating range. The loudspeaker system shall incorporate an acoustically coupled, low profile, high-power 8" (203 mm) cone woofer, a direct coupled 1⅛" (30 mm) neo-magnet mid-frequency driver, and a direct coupled 1" (25 mm) neo-magnet high-frequency driver. The loudspeaker shall have a minimum sensitivity of 83 dB, 1 watt / 1 meter, with a power-handling capacity of 160 watts RMS according to EIA standard RS-426-A.

The loudspeaker shall have two independent self-resetting protection devices, one for the high/mid-frequency drivers and one for the low-frequency driver. The loudspeaker shall measure 20⅞" (530 mm) × 14¾" (374 mm) × 3½" (89 mm) and shall be capable of mounting on walls or ceilings in a flat or 45 degree position using the supplied mounting bracket, mounted freestanding using the optional ground stake accessory, or in an articulated mounting utilizing optional mounting brackets.

Speaker finishing methods shall consist of factory standard matte black, matte white, or custom finished using paint or exterior-grade vinyl graphics as specified.

The loudspeaker shall be the Stealth Acoustics model SRX83 *(specify standard white, standard black, or any custom finishing requirements)*. The loudspeaker shall carry a 5 year manufacturer's warranty.



Product Specifications

Frequency Response:
40Hz to 20kHz (see Figure 1)

Power Capacity:
160 watts RMS
320 watts Peak
80 watts minimum recommended power

Protection:
Two independent self-resetting devices
(low and high/mid frequency)

Sensitivity:
83 dB (1 watt/1 meter)

Driver Components:
High-frequency: 1" (25 mm) neodymium driver
Mid-frequency: 1⅛" (30 mm) neodymium driver
Low-frequency: 1½" (38 mm) voice coil 8" (203 mm) woofer, 20 oz. (622 gr) ceramic magnet

System Impedance:
8Ω nominal

Polar Dispersion:
170 degrees vertical and horizontal

Dimensions:

Width:	20⅞" (530 mm)
Height:	14¾" (374 mm)
Depth:	3⅞" (98 mm)

Temperature Range:
Capable of full operation between
0°F (-17°C) to 150°F (60°C)

Environmental Protection Rating:
Ingress Protection (IP) rating of IP-68 per CEI/IEC 60529

Product Weight:
15 lbs. (7 kg) each

Shipping Weight:
41 lbs. (19 kg) per pair
23 lbs. (11 kg) per single

Included Accessories:
Key slot mounting bracket
Mounting screws

Optional Accessories:

SRGSTK	Ground stake
SRUB	Heavy duty mounting bracket
SRSM-33	Multi position mount

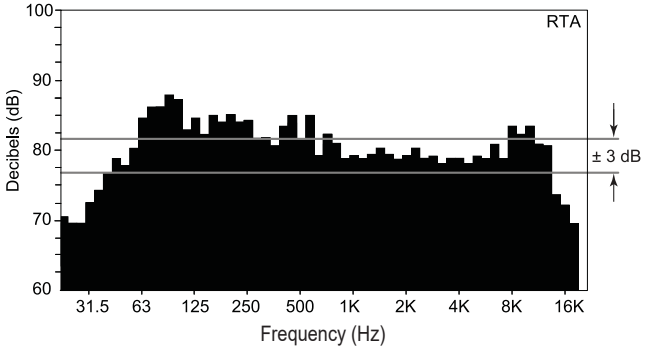


Figure 1: On-axis frequency response.

STEALTH ACOUSTICS

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