



Preliminary Specifications: (XT-)SurroundStone™ 8

System Type	8.0" Coax, outdoor, on-ground omni-directional speaker. 64-watt transformer for 25/70.7/100-volt (XT version only)
Impedance (nominal) ¹	4 Ohm
Sensitivity dB @ 2.38 V/1m	91.0 dB
Sensitivity dB @ 1W/1m ²	88.0 dB
Frequency Response (-3 dB) ³	38 Hz - 22 kHz
Frequency Response (-10 dB) ³	61 Hz - 22 kHz
Max. Program Power ⁴	140 W
Max. Continuous Power RMS ⁵	70 W
Max. Transformer Power	64 W
Max. Power SPL @ 1 m ⁶	106.5 db
Coverage Angle (-6 dB @ 2 kHz)	360°
Coverage Angle (-6 dB @ 10 kHz)	360°
Coverage Angle (Ave from 2 to 10 kHz)	360°
Tap Selector (XT version only)	Six-position rotary switch
Transducer- Low-Frequency Driver	203.2 mm (8.0 in.) weather resistant
Transducer- High-Frequency Driver	19.05 mm (0.75 in.) coaxial weather resistant
Enclosure Material	Elastomer reinforced polymer with pulverized stone
Inputs	Wire lead
Color Options	Brown, gray or sandstone
Diameter	438.1 mm (17.25 in.)
Height	355.6 mm (14.00 in.)
Weight	23.81 kg (52.50 lbs.)
Included Accessories	N/A
Packaging	1 Per box
Regulatory- CE	Approved
RoHS	Approved

¹ Impedance listed per IEC 60268-5 with a minimum less than 80% the nominal impedance

² 1w1m sensitivity determined using nominal impedance

³ Frequency response measured in half or full space as dictated by speaker mounting configuration

⁴ Max program power is 3 dB above max continuous power

⁵ Continuous power rating, EIA-426-B test

⁶ Max output based on max continuous power

Rockustics continually develops new product innovations and improvements. Updates to existing products without prior notice are an example of Rockustics' drive for constant improvement.

Transformer Taps (optional)

70.7 V	Output	100 V	Output	25 V	Output
64 W	106.0 dB	64 W	106.0 dB	8 W	97.0 dB
32 W	103.0 dB	32 W	103.0 dB	4 W	94.0 dB
16 W	100.0 dB	16 W	100.0 dB	2.0 W	91.0 dB
8 W	97.0 dB	8 W	97.0 dB	1.0 W	88.0 dB
4 W	94.0 dB				

Key Features

- 8.0 inch (203.2 mm) coaxial, two way weather resistant low frequency driver and one .75 inch (19.05 mm) weather resistant, high frequency driver.
- UV-, scratch-, chlorine- and weather-resistant enclosure with professional-grade components for long-lasting performance and durability.
- Omni-directional sound delivery.
- Inconspicuous design is suited for placement in dense plants and shrubs.
- Color options: brown, gray or sandstone.
- 64 Watt 70/100 volt transformer (XT version only).

Description

The Rockustics (XT-)SurroundStone 8 is a premium 2-way outdoor loudspeaker solution for installations requiring high-performance sound in a design that matches the aesthetics of its environment. The (XT-)SurroundStone 8 is designed for full-range back-ground/foreground music and paging. The sealed, on-ground enclosure is designed to withstand rain, frost, snow and ice.

Applications

Its natural, weathered stone appearance makes the (XT-)SurroundStone 8 an ideal choice for theme parks, promenades, playgrounds, shopping malls, restaurants, resorts, gardens and other outdoor applications. The speaker's open grille design is suited for placement in dense plants and shrubs, making it ideal for small to large sized spaces such as pool areas, walkways, and hotel gardens. (XT-)SurroundStone 8 speakers take advantage of a 64 Watt transformer for use in commercial applications.

Enclosure Technology

All (XT-)SurroundStone 8 cabinets are constructed from a non-polluting stone and resin compound. The cabinets maintain a natural aesthetic, weather and age naturally, and are an earth-friendly alternative to plastic construction. To ensure 100% water- and weatherproofing, all Rockustics products come as a sealed unit. Therefore, the inclusion of optional transformers must occur prior to completion by manufacturer.

Patented Rockustics Technologies-

Rockustics and MSE Audio constantly develop new technologies that enhance audio product performance. Rockustics innovations are protected by multiple U.S. and international patents. MSE Audio actively defends its patents in order to protect Rockustics resellers and end users.

Technical Data and Specification Tools**Technical Data**

Rockustics strives to provide complete and effective technical information and data to dealers, engineers and designers. All data are available from Rockustics or at www.rockustics.com.

Technical data and downloads include:

EASE™ data - 3-D polar plots

EASE™ Address - 2-D modeling for distributed systems

Autodesk® Revit® software

Tech sheets - Technical information and architectural specs for system engineers

Data Acquisition and Verification

All data for Rockustics speakers are independently collected from and verified by a third party. All data are collected and analyzed according to ASTM, ISO and AES standards using EASRA, TEF and MLSSA. Full balloon data including both phase and magnitude are compiled into a variety of formats including EASE 4.x, GLL and CLF. Finalized test data has not yet been generated for Rockustics products. Please contact Rockustics for more information.

Architectural Specifications

The loudspeaker shall be an on-ground, coaxial design consisting of one 203.2 mm (8.0 in) low-frequency transducer and one 25 mm (.75 in.) high-frequency transducer. The low-frequency voice coil diameter shall be 19.05 mm (1.0 in).

Performance specifications of a typical production unit shall be as follows: Usable frequency response shall extend from 38 Hz- 22 kHz. Measured sensitivity (2.83 Volt input, 1 meter) shall be at least 91.0 dB. The loudspeaker shall have a nominal impedance of 4 Ohms.

The enclosure shall be constructed of a non-polluting elastomer reinforced resin polymer with pulverised stone. Color options shall be brown, gray or sandstone. All transducers and network circuitry are weather resistant and ship in a sealed enclosure.

The external wiring input connector shall be hardwire leads. The overall cabinet dimensions shall be no more than 438.15 mm (17.25 in) in diameter by 438.2 mm (17.25 in) in height. The unit shall weigh no more than 18.2 kG (40 lbs).

The system shall be the (XT-)Surround-Stone 8 for both low and high impedance applications.

Rockustics

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All Rockustics products come with a 10-year limited warranty.

Polar Plots

125 Hz

250 Hz

500 Hz

1,000 Hz

2,000 Hz

4,000 Hz

8,000 Hz

10,000 Hz

Graphs and Plots

Frequency Response

Impedance/Phase

Mechanical Drawings