



**Preliminary Specifications:
 XT-RockSolid-2**

System Type	Direct drive in-ground speaker (20-watt transformer for 25/70.7/100-volt or 8 ohm direct)
Impedance (nominal) ¹	4 ohm series
Sensitivity dB @ 2.83 V/1 m	84 dB
Sensitivity dB @ 1 W/1 m ²	84 dB
Frequency Response (-3 dB) ³	100 Hz - 18 kHz
Frequency Response (-10 dB) ³	90 Hz - 22 kHz
Max. Program Power ⁴	80 W
Max. Continuous Power RMS ⁵	40 W
Max. Power SPL @ 1 m ⁶	93.5 dB
Coverage Angle (-6 dB @ 2 kHz)	N/A
Coverage Angle (-6 dB @ 10 kHz)	N/A
Coverage Angle (averaged from 2 to 10 kHz)	N/A
Directivity Factor (Q)	N/A (averaged 100 Hz - 10 kHz); N/A (@ 2 kHz)
Directivity Index (DI) dB	N/A dB (averaged 100 Hz - 10 kHz); N/A dB (@ 2 kHz)
Tap Selector	Five-position rotary switch with 4 ohm direct
Transducer	2 SolidDrives®
Enclosure Material	Polyurethane
Inputs	Hardwire lead
Colors	Sandstone, charcoal, red rock and custom colors available
Height	330.2 mm (13 in)
Diameter	584.2 mm (23 in)
Weight	8.8 kG (19.4 lbs)
Shipping Weight	9.3 kG (20.5 lbs)
Accessories Included	Steel theft-resistant bracket with stainless steel fasteners
Packaging	One per box
Regulatory - CE	Approved
Transformer Taps	

1 Impedance listed per IEC 60268-5 with a minimum less than 80% the nominal impedance
 2 1 W 1 m 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

70.7 V	Output	100 V	Output	25 V	Output
40 W	93.5 dB	40 W	93.5 dB	5 W	84.5 dB
20 W	90.5 dB	20 W	90.5 dB	2.5 W	81.5 dB
10 W	87.5 dB	10 W	87.5 dB	1.25 W	78.5 dB
5 W	84.5 dB			0.63 W	75.5 dB

Preliminary Technical Information

- Proprietary SolidDrive® planar-source audio technology mated directly to a polyurethane enclosure delivers a consistent omni-directional coverage pattern.
- SolidDrive technology uses symmetrically opposed neodymium magnets, which convert audio signals into acoustic energy, transferring that energy to the enclosure substrate.
- SolidDrive incorporates dual-voice coil technology in a durable, sealed aluminum casing.
- Using twin SolidDrives, the XT-RockSolid-2 delivers 93.5 max SPL, 84 dB sensitivity and bass response down to 100 Hz (-10 dB).
- UV- and weather-resistant speaker with professional-grade components for lasting performance.
- Weatherproof five-position tap switch for 25/70.7/100-volt applications with a voice coil direct position.
- Realistic rock-like surface with no visible grilles seamlessly blends in with a natural environment.
- Included accessory: Durable in-ground theft-resistant bracket and stainless steel fasteners.
- Sandstone, charcoal, red rock and custom colors available.

Description

The XT-RockSolid-2 incorporates two SolidDrive transducers mated to a polyurethane enclosure to deliver optimal off-axis performance and a consistent 360° coverage pattern. For installations requiring high-performance sound in a durable speaker design, the XT-RockSolid-2 incorporates a 25/70.7/100-volt transformer with voice coil direct position and a maximum SPL of 93.5 dB.

The SolidDrive transducer utilizes patent-pending dual-voice coil technology in a aluminum enclosure to transfer acoustic energy directly to the enclosure. By incorporating symmetrically opposed neodymium magnets the XT-RockSolid-2 achieves acoustic uniformity throughout the listening space.



Applications

The ultra-wide horizontal dispersion pattern and high SPL make the XT-RockSolid-2 an ideal choice for theme parks, promenades, playgrounds, shopping malls, restaurants, resorts, gardens and other outdoor applications. The XT-RockSolid-2 ships with an in-ground anti-theft bracket and stainless steel screws for outdoor security.

Enclosure Technology

The XT-RockSolid series is engineered for maximum durability and performance. Unlike other 'rock' speakers, the XT-RockSolid-1's polyurethane enclosure is waterproof, lightweight, impact resistant, non-corrosive and UV-resistant.

Patented SoundTube Technologies

SoundTube Entertainment and MSE Audio Group constantly develop new technologies that enhance audio product performance. SoundTube Entertainment innovations are protected by multiple U.S. and international patents, which explicitly cover SoundTube dispersion, enclosure and dome technologies. MSE Audio Group actively defends its patents in order to protect SoundTube resellers and end users.

Technical Data and Specification Tools

Technical Data

SoundTube Entertainment strives to provide complete and effective technical information and data to dealers, engineers and designers. All data are available from SoundTube Entertainment or at www.soundtube.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

SoundTubeSPEC™ – Proprietary speaker placement software

Data Acquisition and Verification

All data for SoundTube speakers are independently collected from and verified by NWAALabs (www.nwaalabs.com) using their proprietary MACH testing system. 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.

Architectural Specifications

The loudspeaker shall be an in-ground design consisting of two SolidDrive transducers mated directly to a polyurethane enclosure. The transducers shall be constructed with neodymium magnets in a chrome-plated aluminum enclosure.

Performance specifications of a typical production unit shall be as follows: Useable frequency response shall extend from 90 Hz to 22 kHz (-10 dB). Measured sensitivity (2.83 volt input, 1 meter) shall be at least 84 dB. The speaker shall have a nominal impedance of 4 ohm parallel and have a rated power capacity of 40 watts RMS. The max. SPL shall be 93.5 dB.

Installation for the XT-RockSolid shall be by a steel anti-theft bracket with stainless steel fasteners and a hardwire lead.

Overall cabinet dimensions shall be 330.2 mm (13 in) in height by 584.2 mm (23 in) in diameter and weigh no more than 8.8 kG (19.4 lbs).

The system shall be the XT-RockSolid-2 for both low- and high-impedance applications.

SoundTube Entertainment

6430 North Business Park Loop
Park City, Utah 84098
Phone 435.647.9555
Fax 435.647.9666
Toll Free 800.647.TUBE
www.soundtube.com

All SoundTube products come with a 5-year limited warranty.



Graphs and Plots

Frequency Response

Impedance/Phase

Vertical Beamwidth

Directivity Index (DI)

**Polar Plots**

125 Hz

250 Hz

500 Hz

1,000 Hz

2,000 Hz

4,000 Hz

8,000 Hz

10,000 Hz

Mechanical Drawings

Included Accessories

Optional Accessory

SoundTube Entertainment manufactures a complete line of speakers for:
Open-Ceiling • In-Ceiling • Surface-Mount • Outdoor • Sound-Focusing

All SoundTube products are designed and engineered in the USA.
