Description
The S-1596 is a two-way, ruggedly built full-range loudspeaker system, suitable for both portable usage and fixed installations.

Exhibiting exceptionally powerful output capability, with a clear and low-distortion sonic quality, the S-1596 is ideal for applications ranging from acoustic jazz in coffee houses, to large dance clubs and rock and roll venues.

The unit comes equipped with M10 fly points on the top, bottom and rear surfaces, as well as a support stand fitting and rubber feet, permitting a great deal of versatility in use.

Utilizing engineering achievements normally found only in high priced touring systems, the S-1596 provides extended high frequency response, powerful bass reproduction, and precise pattern control.

Featuring carefully designed crossovers that provide flat acoustic power response throughout the critical mid-range region, a high frequency driver treated with Ferrofluid to dampen resonance and increase power handling, plus DYNA-TECH™ internal protection circuitry, the S-1596 satisfies the demanding needs of audio rental companies, professional touring musicians, and pro audio installation contractors alike.

Applications
- Clubs
- Concerts
- Mobile DJ
- AV Rental

Features
DYNA-TECH™ Dynamic Protection
Switchable Bi-amp / Single-amp Operation
Switchable Music / Speech Voicing
Ferrofluid Treated HF Driver for Improved Heat Transfer
Non-Resonant, Non-Metallic HF Diaphragm for Reduced Distortion
Carbon Ring Cone Technology Provides 30% More Piston Area with Increased Excursion Capability
Dual NL4 and Dual 1/4" Input / Output Connectors

SYSTEM
Format: Two-way full-range, vented bass - switchable passive or bi-amp x-over
Operating Range: 50 Hz - 20 kHz
Frequency Response: 90 Hz - 16 kHz (±3.5 dB)
Dispersion (-6 dB): 90° H x 60° V
Maximum SPL @1m: 124 dB continuous / 131 dB peak
Crossover Frequency: 1.5 kHz
Sensitivity in SPL: 101 dB (100 Hz - 10 kHz, 1/3 octave)
Max Power Handling: 200W RMS
(1W/1m free space)
Impedance (passive): Nominal 8Ω / Min. 4Ω at 8.5 kHz

TRANSDUCERS
Low Frequency: 15" (381mm) 200W RMS
500W Program, 8Ω
High Frequency: 1" (25.4mm) 50W RMS
125W Program, 4Ω

MECHANICAL
Enclosure: 11-ply cross-laminated birch
Finish: Black catalyzed polyester paint
Rigging Provisions: 10 - M10 threaded rigging fittings (four on top, four on bottom, two on rear)
Grille: Steel, powder coated black
Dimensions: 27.2" (691mm) x 18.4" (467mm) x 15.9" (404mm)
Net Weight: 46.5 lbs / 21.1 kg

Due to ongoing development, specifications are subject to change without notice.
**Accessories**

**Padded Transport Covers**
Protect your S-Series loudspeakers from scratches and mars.
*Model CVR-S15*

**Eyebolt Kit**
Suspend your S-Series loudspeakers safely and easily.
*Model M10EYBLTKIT*

**Vertical Fly Kit**
One kit lets you fly two S-Series enclosures in a splayed array; two kits let you fly three enclosures, and so on.
*Model VFKIT*

**Seat Track Rigging Kit**
The quick-release fittings get your S-Series enclosures up in the air and back down again, quickly and safely.
*Model STKIT*

**Support Stand**
Elevates a full-range S-Series loudspeaker using the subwoofer as the base.
*Model SB5*

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**FREQUENCY RESPONSE**

Note: Response may be altered by use of Presence Switch. The solid black line depicts the MUSIC position; the dotted red line depicts the SPEECH position.

**BEAMWIDTH**

Note: Indicates Horizontal and Vertical Directivity Index in Degrees vs. Frequency.

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**Recommended Power:** 400 to 625 WRMS\(^1\) at 8Ω
**Recommended High-Pass Filter:** 50 Hz, 24 dB/octave

\(^1\)WRMS = Watts Root Mean Square

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