

SPECS

PEAVEY ELECTRONICS

DS™ 1502

Two-way Full Range Enclosure

SPECIFICATIONS

Frequency Response:

68 Hz - 15 kHz

Low Frequency Limit (-3 dB point):

68 Hz

Useable Low Frequency Limit**(-10 dB point):**

50 Hz

Power Handling:

150 watts continuous (34.6 volts RMS)

300 watts program

Sound Pressure Level**1 Watt at 1 Meter Swept Sine Input
in Anechoic Environment:**

98 dB

Maximum Sound Pressure Level:

120 dB

Transducer Complement:

One 15" Scorpion® Plus SP15825 woofer

One 22T™ compression driver loaded onto

a CH™-3 90°H x 45°V horn

Tuning Frequency (F box):

60 Hz

Crossover Frequency:

1200 Hz

Crossover Type:

Passive

Crossover Slope:

Modified 12 dB/octave high and low pass

Impedance (Nominal):

8 ohms

Impedance (Minimum):

5.1 ohms

Input Connections:

Two ¼" female full range inputs in



parallel, one ¼" female biamp low, and
one ¼" female biamp high

Enclosure Materials and Finish:

High density ¾" plywood, covered in
wear resistant carpet, reinforced with steel
corners.

Mounting:

SA-1™ stand adaptor

Dimensions:

20.125" (51.12 cm) W x 27" (68.58 cm) H
x 13.625" (34.60 cm) D

Net Weight:

63 lbs.



FEATURES

- One 15" Scorpion® Plus (SP15825)
- CH™-3 horn with 22T™ compression driver
- Recessed handles
- Durable carpet covering
- ¾" high-density plywood construction
- Tuned and ported enclosure design
- Impedance: 8 ohms

DESCRIPTION

The DS™-1502 is a full-range, 2-way enclosure designed for music playback, dance music, and portable sound systems.

The cabinet is constructed of ¾", 7-ply, high-density plywood covered with a durable, wear-resistant carpet, then reinforced with steel corners. A black semi-transparent grille provides component protection, while recessed handles on each side aid in transport and set up. The 2-way system is comprised of one 15" SP-15825 Scorpion® low frequency speaker, and a 22T™ compression driver loaded onto a CH™-3 constant directivity horn for the highs.

The frequency spectrum is divided by a two-way passive crossover, giving the system a smooth frequency response from 68 Hz to 15 kHz. Two ¼" female

jacks are provided as full-range input connections. An SA-1™ stand adaptor is mounted on the bottom of the enclosure, allowing stand mounting on all 1⅝" shafts.

FREQUENCY RESPONSE

This measurement is useful in determining how accurately a given enclosure reproduces an input signal. The frequency response of the DS-1502 is measured at 1 meter using a 2.82 volt swept sine input. As shown in Figure 1, the selected drivers in the DS-1502 combine to give a smooth frequency response from 68 Hz to 15 kHz.

POWER HANDLING

There are many different approaches to power handling ratings. Peavey rates this speaker system's power handling using a modified form of the AES Standard 2-1984. Utilizing audio band (20 Hz-20 kHz) pink noise with peaks over four times the RMS level, this strenuous test signal assures the user that every portion of this system can withstand today's high technology music. The test signal contains large amounts of very low frequency energy, effectively simulating the frequency content of live music situations. The full measure of high frequencies in the test

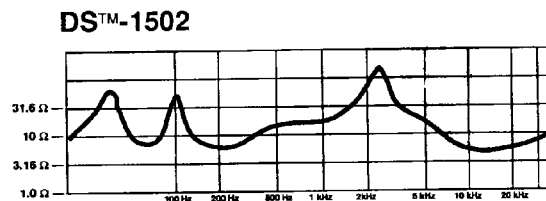
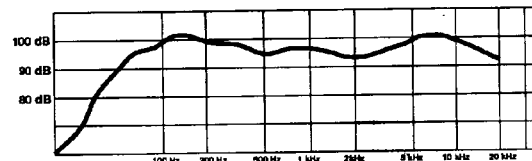
signal allow for exposure of the speaker system to synthesized tones that may extend beyond audibility. This rating is contingent on having a minimum 3 dB of amplifier headroom available.

ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The loudspeaker system shall have an operating bandwidth of 68 Hz to 15 kHz. The output level shall be 98 dB when measured at a distance of one meter with an input of one watt. The nominal impedance shall be 8 ohms. The continuous power handling shall be 150 watts, maximum program power of 300 watts, with a minimum amplifier headroom of 3 dB. The outside dimensions shall be 20.125" wide by 27" high by 13.625" deep. The weight shall be 63 pounds. The loudspeaker system shall be a Peavey model DS™-1502.

ONE YEAR LIMITED WARRANTY —

NOTE: For details, refer to the warranty statement. Copies of this statement may be obtained by contacting Peavey Electronics Corporation, P. O. Box 2898, Meridian, Mississippi 39302-2898.



Features and specifications subject to change without notice.

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