

SPECIFICATIONS

DJ™ SUB ROOM



DESCRIPTION

The Peavey DJ™ Sub is a newly designed folded bass-horn speaker system comprising the Peavey 1808-8cu Black Widow® driver.

The DJ Sub is constructed of medium density fibreboard (MDF), which is a void-free, warp-free, and highly durable material. The DJ Sub cabinet is finished with Peavey's durable black carpet. Metal corners are also added to provide further protection to the cabinet.

FEATURES

- Compact folded bass-horn design
- One 1808-8cu Black Widow woofer
- Internal crossover with 8 Ohm high-pass output
- Direct input jack
- Built-in casters for easy transport

PLACEMENT

Low frequency energy is omnidirectional which means it travels out in all directions from its source. Because of this you can greatly affect the perceived volume of your low frequency drivers by placing them correctly within the room.

When we put a sub on the floor it is said we have coupled with a boundary (Fig. 1); if we place it against the wall and the floor, it is said that we have coupled with two boundaries (Fig. 2).

By placing the sub in the corner and coupling with three boundaries (see figure 3), the bass can be greatly augmented.

Since the length of the low frequency sound waves can be as long or longer than the room, proper sub placement

maximizes bass response, and can also eliminate certain frequencies that stand out due to the room's natural resonances. These are commonly called "standing waves." To "tune" the sub to the room, simply play music through your sub and try different placements within the corner, until no frequency "jumps out" at you, and the bass sounds full through the sub's frequency range and throughout the room.

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Frequency response:

- 40 Hz to 150 Hz with crossover
- 40 Hz to 1,500 Hz without crossover

Usable low frequency limit (-10 dB point):

- 35 Hz

Power handling:

- Passive Internal Crossover:
 - 500 W continuous (63.2 V RMS)
 - 1,000 W program
 - 2,000 W peak
- Direct Connection:
 - 500 W continuous (63.2 V RMS)
 - 1,000 W program
 - 2,000 W peak

Sound pressure level, 1 Watt, 1 meter:

- 103.0 dB SPL, (2.83 V input)

Maximum sound pressure level (1 meter):

- 126.0 dB SPL continuous
- 132.0 dB SPL peak

Transducer complement:

- 1x 18 in. woofer, vented
- 1808-8cu Black Widow

X-over frequency:

- 150 Hz

Impedance (Z):

- Nominal: 8.0 Ohms
- Minimum: 5.9 Ohms

Input connections:

- 1x 1/4" input jack, 1x 1/4" high-pass output jack, and 1x Neutrik® Speakon™ automatically switching direct biamp jack

Dimensions (H x W x D):

- Front:
 - 35 in. x 24 in. x 28.25 in.

Net Weight:

- 172 lbs. (78.2 kg)



LISTEN TO THIS™

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FIGURE 1

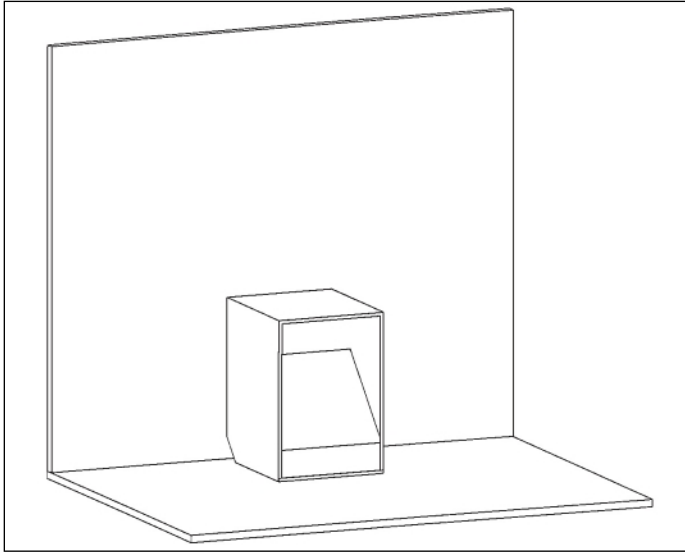


FIGURE 2

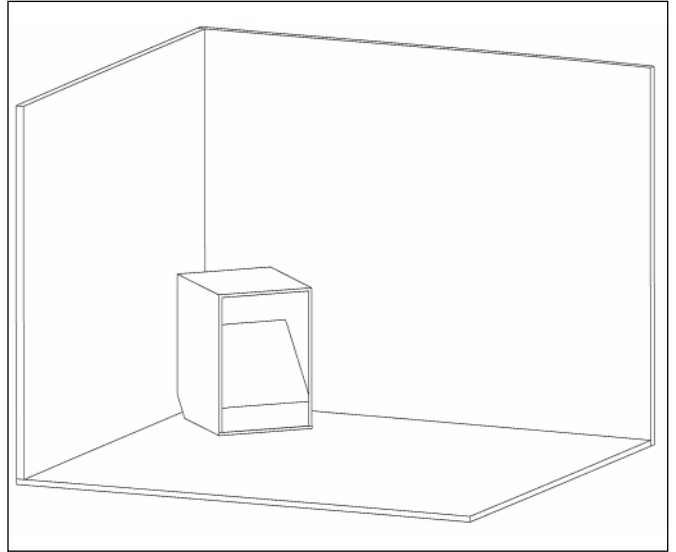
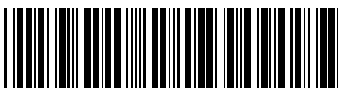
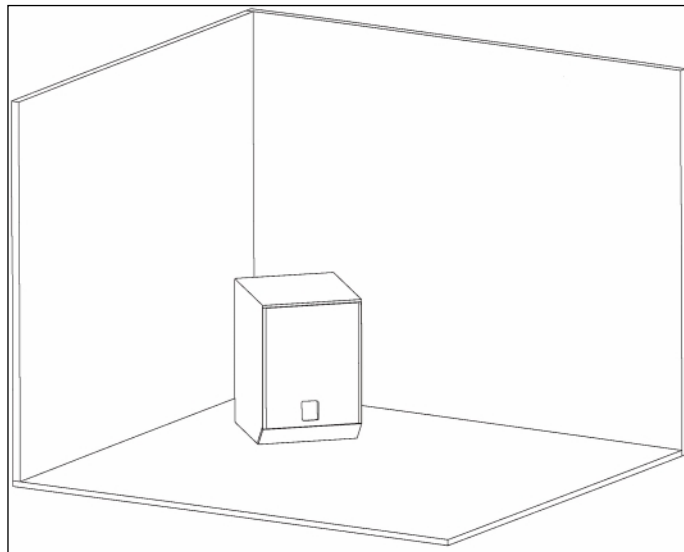


FIGURE 3



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Features and specifications subject to change without notice.

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