

User's Guide
for the
CRATE PRO AUDIO

PS112HFN

Speaker Enclosure



Please read this user's
guide before using your
new speakers!





PS112HFN Speaker Enclosure



CAUTION: THIS SPEAKER IS CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS. CONTINUED EXPOSURE TO HIGH SOUND PRESSURE LEVELS CAN CAUSE PERMANENT HEARING IMPAIRMENT OR LOSS. USER CAUTION IS ADVISED, AND EAR PROTECTION RECOMMENDED IF UNIT IS OPERATED AT HIGH VOLUME. THE CHART BELOW SHOWS THE U.S. GOVERNMENT'S OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS WHICH WERE IN EFFECT AT THE TIME OF THIS PUBLICATION FOR PERMISSIBLE NOISE EXPOSURE, PER 29CFR1910.95, TABLE G-16:

SOUND LEVEL DBA, SLOW RESPONSE	DURATION PER DAY IN HOURS	SOUND LEVEL DBA, SLOW RESPONSE	DURATION PER DAY IN HOURS
90	8	102	1 - 1/2
92	6	105	1
95	4	110	1/2
97	3	115	1/4 or less
100	2		

ACCORDING TO OSHA, ANY EXPOSURE IN EXCESS TO THESE AMOUNTS LISTED ABOVE COULD RESULT IN SOME HEARING LOSS.



PS112HFN Speaker Enclosure

Your PS112HFN is a high-quality two way speaker enclosure suitable for small to medium venues. The cabinet is made from the highest quality materials. Three-point suspension hardware is installed on the top and bottom of the cabinet. Please refer to the caution and warning on the back of this publication before mounting in a suspended installation. A suspension kit (part #HK4) is available from your Crate Pro Audio Dealer.

The speaker features a modified CD horn, a 12" woofer, two Speakon® jacks and two 1/4" input jacks. Speakon® connectors are recognized as the standard for professional installations, assuring a secure, permanent connection that won't corrode, vibrate loose or be as easily tampered with as 1/4" phone plugs. While the 1/4" jacks are convenient, use of the Speakon® connector is recommended when using power amplifiers over 150 watts, for permanent installations, or for the "first" speaker among a number of daisy chained speakers.

The PS112HFN has an impedance of 8 ohms – up to four cabinets can be powered by one amplifier, providing the amplifier is rated for 2 ohm operation.

The Speakon® and 1/4" jacks ("A," previous page) are wired together in parallel. This allows any of the jacks to be used as an input or a thru connection. (Refer to Figure 1.)

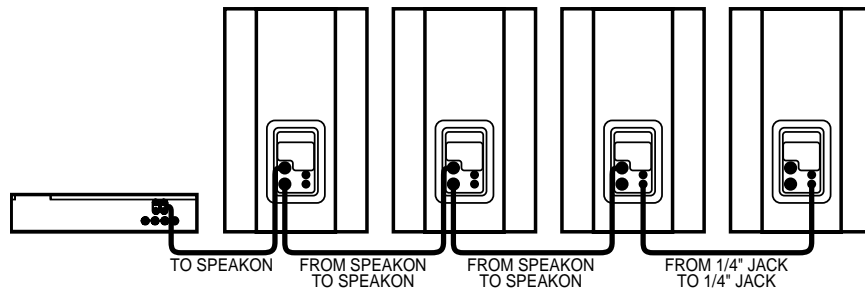


Figure 1: Multiple Speaker Interconnection Diagram



PS112HFN Speaker Enclosure

Technical Specifications:

Impedance	8 ohms
RMS Power Rating	240 Watts
Program Power Handling	480 Watts
Frequency Response (+/-3dB)	55Hz – 18kHz
Nominal Frequency Range	40Hz – 20kHz
Crossover Frequency	2kHz
Sensitivity	95dB SPL
Maximum SPL	122dB
Transducer Complement	
Low Frequency	1 x 12" cone, 2-1/2" voice coil, 18 oz.
High Frequency	2" titanium driver, CD horn, 1" throat
Full Range Inputs	2 1/4" jacks, 2 Neutrik Speakon® jacks
Dimensions (H x W x D)	25" x 19" x 16"
Weight	40 lbs.

Speakon® is a registered TM of Neutrik AG

Specifications subject to change without notice.

CAUTION: ANY SPEAKER SUPPORTED ON A STAND OR MOUNTED ON A SHELF POSES A RISK OF PERSONAL INJURY IN CASE OF COLLAPSE OR TIPPING OF THE SUPPORT OR SPEAKER. WHEN USING A SPEAKER STAND OR SHELF, BE SURE THAT THE SPEAKER IS FULLY SEATED ON THE SUPPORT, THAT IT IS NOT LOOSE, THAT THE STAND IS PROPERLY SET UP ON A LEVEL SURFACE, AND THAT THE STAND OR SHELF IS RATED FOR AT LEAST THE WEIGHT OF THE SPEAKER. BE SURE THE SPEAKER CABLES DO NOT POSE A TRIPPING HAZARD, AND THAT THEY CANNOT TIP THE SPEAKERS IF PULLED. NEVER SET UP A SPEAKER ON A STAND OR SHELF WHERE TIPPING OR COLLAPSE COULD CAUSE IT TO FALL ON PEOPLE.

WARNING: IMPROPER SUSPENSION MAY RESULT IN SERIOUS INJURIES AND/OR DAMAGES. THIS SPEAKER IS TO BE USED ONLY WITH THE PROPER APPROVED HK-4 INSTALLATION KIT. COMPLETE INSTRUCTIONS FOR SUSPENSION ARE INCLUDED IN THE KIT AND MUST BE FOLLOWED! SEE YOUR CRATE PRO AUDIO DEALER.



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