

User's Guide
for the
CRATE PRO AUDIO
PS Concert Enclosures



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





PS Concert Enclosures



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.

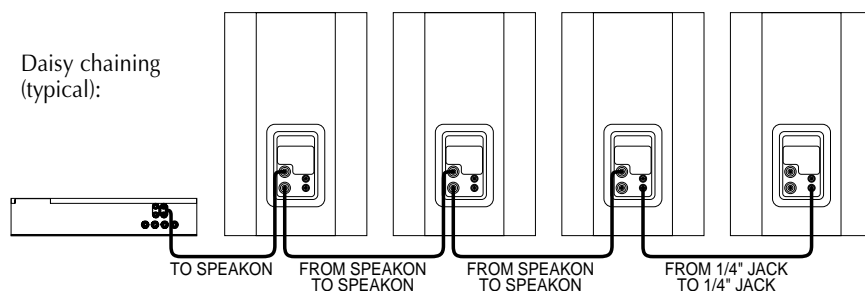


PS Concert Enclosures

Your PS Concert Enclosure is a high-quality two/three-way speaker enclosure suitable for small to medium venues. Several enclosures feature a stand mount adapter (see caution and warning on the back of this publication) and high frequency power limiter protection, while every PS Concert Enclosure features a 2" Titanium driver on a Constant Directivity (CD) horn, heavy duty woofers, two Speakon® jacks and two 1/4" input jacks. The 3-way PS-1200C has a horn-loaded heavy duty 8" cone midrange driver as well.

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 Speakon® and 1/4" jacks ("A," previous page) are all wired together in parallel with each other, allowing easy daisy chaining from one cabinet to another. Any of the jacks may be used as an input or a through connection. The PS Concert Enclosures each have an impedance of 8 ohms – up to four cabinets could be powered by one amplifier, if the amp is rated for 2 ohm operation.





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Technical Specifications:

	PS-112HD	PS-115HD	PS-115HDT	PS-215HDT	PS-1200C
RMS Power Rating	200 Watts	200 Watts	250 Watts	400 Watts	300 Watts
Peak Power Handling	800 Watts	800 Watts	1000 Watts	1600 Watts	1200 Watts
Nominal Impedance	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms
Freq. Response (-3dB)	55-18kHz	55-18kHz	50-18kHz	50-18kHz	60-18kHz
Nominal Freq. Range	40-20kHz	47-20kHz	40-20kHz	40-20kHz	50-20kHz
Sensitivity	95dB SPL	95dB SPL	101dB SPL	101dB SPL	96dB SPL
Maximum SPL	122dB	121dB	127dB	130dB	124dB
Nominal Dispersion	90°x40°	90°x40°	90°x40°	90°x40°	90°x40°
Component					
Low	12" cone	15" cone	15" cone	(2)15" cone	12" cone
Voice Coil	2.5"	2.5"	2.5"	2.5"	3"
Mid	-	-	-	-	Horn Loaded 8"
Voice Coil	-	-	-	-	2"
High	CD Horn	CD Horn	CD Horn	CD Horn	CD Horn
Voice Coil	2" Titanium	2" Titanium	2" Titanium	2" Titanium	2" Titanium
Throat Dia.	1"	1"	1"	1"	1"
Full Range Inputs	(2)1/4" (2) Speakon®	(2)1/4" (2) Speakon®	(2)1/4" (2) Speakon®	(2)1/4" (2) Speakon®	(2)1/4" (2) Speakon®
Crossover Point(s)	2kHz	2kHz	1.8kHz	2.8kHz	700Hz,3.5kHz
Stand Mount Adapter	Yes	Yes	Yes	No	Yes
High Frequency Power Limiter	Yes	Yes	Yes	Yes	No
Dimensions (H x W x D)	25"x19"x16"	35"x19"x15"	34"x25"x19"	49"x25"x19"	36"x16"x16.5"
Weight	40 lbs.	65 lbs.	87 lbs.	110 lbs.	85 lbs.

Speakon® is a registered TM of Neutrik AG

Specifications subject to change without notice.

WARNING: THIS SPEAKER IS NOT DESIGNED TO BE SUSPENDED OFF THE FLOOR IN ANY MANNER EXCEPT ON A PROPERLY RATED STAND USING ITS SUPPLIED STAND MOUNT ADAPTER (NOT APPLICABLE TO THE PS-215HDT).

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.



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