

User's Guide
for the
CRATE PRO AUDIO

PE-6I



PE-6



2-Way Speaker Systems





PE-6I/PE-6 2-Way Speaker System

About the PE-6I/PE-6:

High fidelity and true stereo imaging are now an affordable reality. The PE-6I/PE-6 is a powerhouse in a small package with critical component selection, computer aided cabinet design, built-in protective devices and multiple application options.

The PE-6I is housed in a rugged, Thiele-aligned trapezoidal enclosure painted with an incredibly hard, environmentally safe water-borne polyurethane paint. The grille is made of durable 20GA steel. Both the enclosure and the grille are ivory white and can be easily repainted to match the decor if required. The PE-6I is designed to accept stripped bare wires or banana plugs, with convenient push-style input jacks. (For those who wish to use a 1/4" phone plug, a banana to female 1/4" phone jack cable is also available through your dealer – part number ACFQBN). The crossover employs two incandescent lamps for dynamic tweeter protection. The PE-6I cabinet is fitted with mounting points for the OmniMount™ 75-Series wall and ceiling mounting systems. Wall and mic stand mounting bracket kits are available separately from your Crate Pro Audio dealer.

The PE-6 is housed in the same style enclosure as the PE-6I, except the PE-6 is covered with extremely roadworthy black Ozite, has a black 20GA steel grille, and has no mounting points. The PE-6 is equipped with a pair of standard 1/4" input jacks.

Both the PE-6I and the PE-6 have extremely smooth frequency response throughout the audio spectrum. The total range is from 60Hz to 22kHz with a usable low frequency limit (-10dB down) of 46Hz. The speakers have been optimized for the best performance close to a wall, or in a half space environment. The speaker components have been acoustically aligned and the crossover designed for optimum phase response for very accurate stereo imaging and true sound reproduction.

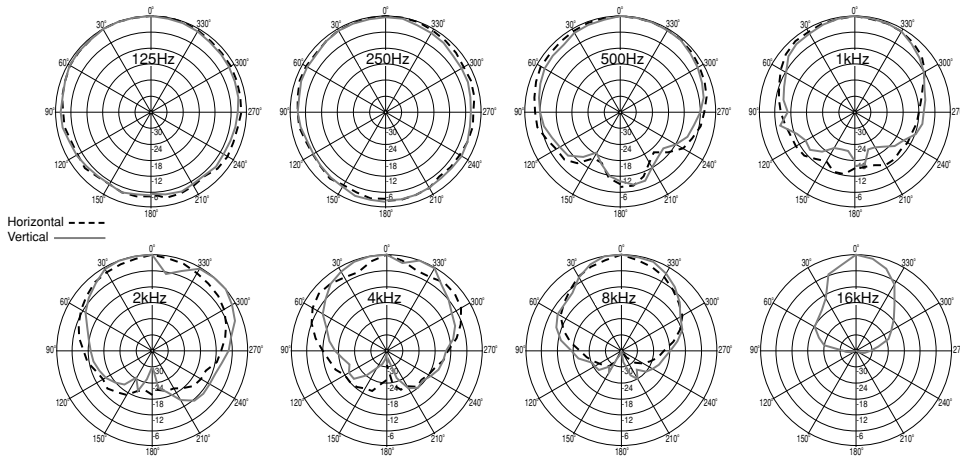
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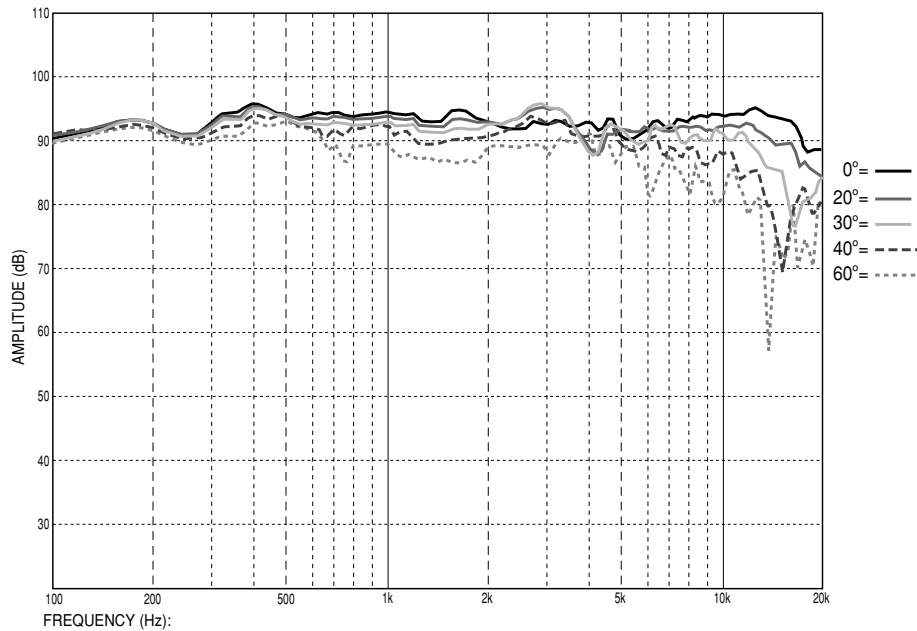


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Polar Plots:



Frequency Response Curves:





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Technical Specifications

Impedance	8 ohms
RMS Power Handling	50 watts
Program Power Handling	100 watts
Frequency Response (-3dB)	75Hz - 20kHz
Frequency Range (-6dB)	60Hz - 22kHz
Usable Low Freq Limit (-10dB)	46Hz
Sensitivity	93dB SPL 1w / 1m
Maximum SPL	110dB
Transducer Complement	
High Frequency	1" Impedance Transformer Soft Dome Tweeter
Low Frequency	6.5" Long-Throw Cone Woofer
Crossover Frequency	2kHz
Crossover Slope	12dB/octave
Dispersion Angle	
Horizontal	100 +/-60 degrees (400Hz - 12kHz)
Vertical	100 +/-60 degrees (400Hz - 12kHz)
Protection	
PTC or Polyswitch™ (Full Range)	Trips @ 2.78A RMS (61 Watts) cont. in less than 2 minutes, @ 3.5A RMS (100 Watts) cont. in less than 5 seconds
Incandescent Lamp (High Frequency)	Limits @ 20 Watts RMS
Enclosure Finishes	PE-6I Ivory White Polyurethane PE-6 Black Ozite
Dimensions (HxWxD)	13.56" x 9.88" x 8.88" (34.4cm x 25cm x 22.5cm)
Weight	13.25 lbs. (6 kg.)

Due to ongoing product development and improvement, the specifications contained herein are 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: THIS SPEAKER IS NOT DESIGNED TO BE SUSPENDED OFF THE FLOOR FROM CABLES OR IN ANY OTHER MANNER EXCEPT VIA NORMAL USE OF A PROPERLY DESIGNED WALL OR CEILING MOUNTING BRACKET. AN OPTIONAL WALL MOUNT ADAPTER KIT IS AVAILABLE FROM YOUR CRATE PRO AUDIO DEALER.



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1400 Ferguson Avenue • St. Louis, MO 63133

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