

# Warranty

LIMITED TWO YEAR CONSUMER WARRANTY:

Directed Electronics, Inc. promises to the original purchaser, to replace this product should it prove to be defective in workmanship or material under normal use, for a period of two years from the date of purchase from the dealer as indicated by the date code marking of the product **PROVIDED** the product was installed by an authorized Directed dealer. During this two-year period, there will be no charge for this replacement **PROVIDED** the unit is returned to Directed, shipping pre-paid. If the unit is installed by anyone other than an authorized Directed dealer, the warranty period will be one year from the date of purchase by the dealer as indicated by the date code marking of the product. This warranty is non-transferable and does not apply to any unit that has been modified or used in a manner contrary to its intended purpose, and does not cover damage to the unit caused by installation or removal of the unit. During this one-year period, there will be no charge for this replacement **PROVIDED** the unit is returned to Directed, shipping pre-paid. This warranty is void if the product has been damaged by accident or unreasonable use, neglect, improper service or other causes not arising out of defects in materials or construction. Units which are found to be damaged by abuse resulting in thermally damaged voice coils are not covered by this warranty but may be replaced at the absolute/sole discretion of Directed. **ALL WARRANTIES INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY ARE EXPRESSLY EXCLUDED TO THE MAXIMUM EXTENT ALLOWED BY LAW, AND DIRECTED NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT. DIRECTED HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS.** Unit must be returned to Directed, postage pre-paid, with bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number, and address, authorized dealer's name and address, and product description. Note: This warranty does not cover labor costs for the removal and reinstallation of the unit. **IN ORDER FOR THIS WARRANTY TO BE VALID, YOUR UNIT MUST BE SHIPPED WITH PROOF OF INSTALLATION BY AN AUTHORIZED DIRECTED DEALER. ALL UNITS RECEIVED BY DIRECTED FOR WARRANTY REPAIR WITHOUT PROOF OF DIRECTED DEALER INSTALLATION WILL BE COVERED BY THE LIMITED 1 YEAR PARTS AND LABOR WARRANTY.** Note: This warranty does not cover labor costs for the removal and reinstallation of the unit. **BY PURCHASING THIS PRODUCT, THE CONSUMER AGREES AND CONSENTS THAT ALL DISPUTES BETWEEN THE CONSUMER AND DIRECTED SHALL BE RESOLVED IN ACCORDANCE WITH CALIFORNIA LAWS IN SAN DIEGO COUNTY, CALIFORNIA.**

OWNER'S MANUAL

**PrecisionPower**<sup>®</sup>  
Absolutely State of the Art Mobile Audio<sup>™</sup>

**PowerClass  
Subwoofers**



Designed and Engineered in the USA by  
**Directed**  
ELECTRONICS, INC.

<b>SPECIFICATIONS</b>	<b>PC102</b>	<b>PC104</b>		<b>PC122</b>	<b>PC124</b>
Nominal Impedance	4 ohm	8 ohm		4 ohm	8 ohm
RE (DC resistance)	3.5	6.75		3.75	7.8
LEvc (coil inductance)	1.81 mH	2.77 mH		1.95 mH	2.91 mH
Sensitivity @ 1w/1m	82.89 dB	83.47 dB		85.57 dB	85.03 dB
Fs (free air resonance)	40.33 Hz	41.45 Hz		35.44 Hz	22.5 Hz
Qms (mechanical Q)	6.98	6.59		6.5	5.78
Qes (electrical Q)	0.85	0.88		0.82	0.55
Qts (total Q)	0.76	0.77		0.73	0.51
BL (force factor)	12.83 TM	16.56 TM		13.39 TM	19.28 TM
Sd (piston area)	0.034 sq. m 53.16 sq. in.	0.034 sq. m 53.16 sq. in.		0.051 sq. m 80.29 sq. in.	0.051 sq. m 80.29 sq. in.
Vas (volume acoustic suspension)	16.33 liters 0.576 cu. ft.	17.96 liters 0.634 cu. ft.		43.01 liters 1.51 cu. ft.	101.05 liters 3.56 cu. ft.
Xmax (linear excursion)	10 mm 0.39 in.	14 mm 0.55 in.		10 mm 0.39 in.	14 mm 0.55 in.
Power (continuous thermal power handling)	250 watts	250 watts		250 watts	250 watts
Power (peak thermal power handling)	500 watts	500 watts		500 watts	500 watts
Outside Diameter	10.65 in.	10.65 in.		12.5 in.	12.25 in.
Mounting Diameter	9.125 in.	9.125 in.		11.0 in.	11.0 in.
Mounting Depth	5.5 in.	5.5 in.		6.25 in.	6.25 in.
Basket Displacement	0.065 cu. ft.	0.065 cu. ft.		0.095 cu. ft.	0.075 cu. ft.
Voice Coil Diameter	2.0 in. 50 mm	2.0 in. 50 mm		2 in. 50 mm	2 in. 50 mm

## ENCLOSURE RECOMMENDATIONS

Sealed Enclosure Volume	1 cu. ft.	1.15 cu. ft.		1.45 cu. ft.	1.55 cu. ft.
Vented Enclosure Volume	1 cu. ft.	1.25 cu. ft.		1.5 cu. ft.	1.5 cu. ft.
Port Diameter (inside diameter)	3 in.	3 in.		4 in.	4 in.
Port Length	7.17 in.	5.13 in.		8.06 in.	8.06 in.
<i>Enclosures include basket and port displacement</i>					

\* ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.