

LIMITED SPEAKER WARRANTY STATEMENT

Diamond Audio Technologies, LLC (DAT) warrants this product to be free from defects in material and workmanship for a period of **one (1)** year from the original date of purchase provided it was purchased from an authorized DAT retailer within the United States. **However, if this product was installed by the authorized DAT retailer, the warranty period will be extended to two (2) years.**

THIS WARRANTY IS NOT TRANSFERABLE AND APPLIES ONLY TO THE ORIGINAL PURCHASER OF THIS PRODUCT IN ITS ORIGINAL INSTALLATION. Original purchaser must reside in the United States and be able to provide proof of purchase and installation with the sales receipt from the authorized DAT retailer that sold and installed the product.

Should a manufacturing defect occur during above said warranty period, DAT will replace or repair the defective product with a product of the same or equivalent value and performance.

Damage or failure caused by any of the following is not covered under this warranty policy: negligence, improper use, abuse, product modification, unauthorized repair attempts, accident, acts of God, misrepresentations by DAT retailers, and improper/inadequate packaging during return shipping.

Warranty is void if serial numbers have been removed, altered or defaced.

HOW TO OBTAIN WARRANTY SERVICE

In the event a DAT product should require service, you should visit the authorized DAT retailer you purchased the product from and they can expedite your claim. All claims must fall into the guidelines listed above and be accompanied by a copy of the original sales and installation receipt from that authorized DAT retailer.

Product returned for warranty service must be freight-prepaid, properly packaged and clearly marked with the Return Authorization (RA) number issued by DAT. Any product returned to DAT that is improperly packaged, does not have a RA number clearly marked on the package, or never received a RA number may be refused upon delivery. DAT does not assume responsibility for lost or misdirected product.

Repair or replacement under this warranty is the exclusive remedy of the consumer. DAT shall not be liable for any incidental or consequential damages for breach of any expressed or implied warranty on this product. Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights that may vary from state to state.

Customers outside the United States should contact their local sales office to obtain information on pricing, exchange unit availability, instructions, service and warranty/non-warranty replacement or repair.



DIAMOND

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Woofer Installation Manual



DIAMOND
TXblack

TX102 | TX104 | TX122 | TX124 | TX152 | TX154

About the Diamond Audio Experience.

Congratulations, you have purchased the finest audio product on the market. At Diamond Audio, our mobile audio products represent the latest advances in acoustic technology. Diamond Audio products are designed and engineered using innovative components and materials resulting in exceptional sound reproduction. Installed properly, Diamond Audio products will provide many years of the ultimate listening experience.

Please note that prolonged exposure to sound pressure levels in excess of 100dB can cause permanent hearing loss. Using Diamond Audio products can exceed that level so please exercise restraint in its operation in order to preserve your ability to enjoy its high fidelity in the future.

Diamond Audio recommends our products be professionally installed by an authorized Diamond Audio dealer to achieve the best listening possibilities. This will ensure a proper installation and extend your one year warranty to two years.

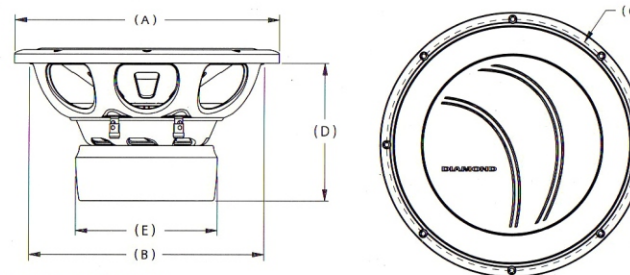
Go ahead, Hear The Music.

FEATURES

- Reinforced conical structured design
- Cartesian vector continuous curvature composite poly cone
- Dual 2.5" four layer voice coil
- Voice coil chamber venting

PHYSICAL DIMENSIONS

Dimension	Unit	TX102/104	TX122/124	TX152/154
Total Diameter (A)	in. (mm)	10.4 (264.2)	12.5 (316.5)	15.3 (388.6)
Mounting Diameter (B)	in. (mm)	9.3 (236.2)	11.2 (284.5)	13.5 (342.9)
Hole Diameter (C)	in. (mm)	9.8 (248.9)	11.8 (299.7)	14.6 (370.8)
Mounting Depth (D)	in. (mm)	6.5 (165.1)	6.7 (170.2)	7.7 (195.6)
Magnet Diameter (E)	in. (mm)	6.7 (170.2)	6.7 (170.2)	6.7 (170.2)



THIELE/SMALL PARAMETERS

Parameter (unit)	TX102	TX104	TX122	TX124	TX152	TX154
SPL (dB)	82.9	81.7	83.9	82.6	84.9	83.5
Re (Ω) [parallel]	0.9	1.7	0.9	1.7	0.9	1.7
Qms	4.315	3.432	3.722	4.217	4.360	4.168
Qes	0.629	0.721	0.701	0.832	0.754	1.022
Qts	0.549	0.596	0.590	0.695	0.643	0.820
Fs (Hz)	39.5	34.1	33.9	29.7	25.9	25.4
Vas (L)	12.8	17.7	28.5	37.3	86.1	90.1
Cms (mm/N)	93.5	126.2	90.9	118.8	102.1	107.1
Mms (g)	173.1	172.8	241.7	242.4	367.3	367.4
Sd (m²)	0.031	0.031	0.047	0.047	0.077	0.077
BL (T·M)	7.84	9.37	8.14	9.72	8.46	9.84
Xmax (mm)	9.5	12.6	9.5	12.6	9.5	12.6
Pwr (W) NOM/MAX	400/800	400/800	400/800	400/800	400/800	400/800

ENCLOSURES

The enclosures below are offered as a suggestion only. Assistance from an authorized Diamond Audio retailer is recommended. All volumes are gross internal, driver and vent displacement has been accounted for. The use of a 30hz sub-sonic filter is recommended.

Sealed	TX102/104	TX122/124	TX152/154
Vb (ft³)	0.75	1.2	1.75
F3 (Hz)/QTC	54 / 0.65	41 / 0.88	33 / 0.79
Pe (W)	250	300	400
Vented	TX102/104	TX122/124	TX152/154
Vb (ft³)	1.0	1.75	2.75
Fp/F3 (Hz)	45 / 38	41 / 33	45 / 30
Port (in.) [dia. x length]	3 x 7.15	4 x 8.5	4 x 11.25
Pe (W)	200	250	350