

Elektra Mobile Audio Products

Elektra Mobile Audio brings reference quality and high end performance to suit your car audio needs. Here are some other products available exclusively from Elektra Mobile Audio to complete your install:

 <p>Delta Reference Amplifiers δ 4.100AB, δ 2.200AB & δ 1.1200D T4.100 Tube Amplifier (Limited Ed)</p>	 <p>C.6531n – Competition Level Three Way Component Set</p>
 <p>SW12A – 12” Subwoofer</p>	 <p>E.651f – Entry Level Two Way Component Set</p>
 <p>R12d2 – 12” Reference Subwoofer R15d2 – 15” Reference Subwoofer</p>	 <p>MANL22.44 – MiniANL Power and Ground Combination Distribution Block</p>
 <p>ANL Fuse Holders (Rated 400A) 60, 80, 100, 150, 200, 250, 300A Fuses</p>	 <p>Mini ANL Fuse Holders (Rated 350A) 60, 80, 100, 150, 200, 250, 300A Fuses</p>
 <p>Engine Bay ANL Fuse Holder (400A) 60, 80, 100, 150, 200, 250, 300A Fuses Available</p>	 <p>T-Distribution Blocks</p>

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MOBILE AUDIO

PRODUCT MANUAL

R12A & R15A
 12” & 15” Reference Subwoofers



Features

The R12A & R15A is our reference level 1200W 12" and 15" car audio low frequency subwoofer drivers, available in a dual 2 ohm configuration. They feature a high quality triple 3/4" thick Y35 magnet assembly and a 4 layer 3" coil which delivers tremendous low frequency output in compact enclosures.

The thick paper cone and big roll surround provides an unmatched bass experience. The pole vent and cooling ring promotes cooling to ensure reliability. Push terminals are provided to ensure a secure connection.

Physical Specifications

	R12A	R15A
Overall Diameter (inches)	12.25	15.5
Mounting Diameter (inches)	11.25	14.25
Mounting Depth (inches)	7.6	8.4
Cone Material	Paper	Paper
Dust Cap	Poly	Poly
Frequency Range (Hz)	20-100	20-100
Voice Coil Diameter	3"	3"
Net Weight (lbs)	46	48

Recommended Enclosures

	R12A	R15A
Sealed	1.0 ft ³	2.0 ft ³
Ported	2.5-3.0 ft ³ @ 35Hz	4.0-5.0 ft ³ @ 35Hz

When using multiple subwoofers in a common enclosure, multiply the required volume by the number of subwoofers, and use two ports (as specified above) per subwoofer.

T/S Parameters

	R12A	R15A
Fs (Hz)	36.3	37.1
Qms	4.12	4.64
Qes	0.41	0.46
Qts	0.36	0.42
Vas (Litres)	53.6	110.7
Xmax (mm)	25	25
SPL 1W/m (db)	89.9	92.7
Continuous Power (W)	1200	1200
Re (Ω)	4.2	4.2
Le (mH)	7.13	7.27
BL	25.3	25.3

Usage Guidelines

- Build rigid enclosures using 3/4" MDF or thicker.
- Use two layers of 3/4" MDF for the enclosure's baffle.
- Use the recommended power and enclosures for the most reliable operation
- Use a 33Hz subsonic filter with the recommended ported enclosure.
- Ensure that all enclosures are securely fastened to the car before driving to prevent damage occupants or equipment.