British Audio

User Manual

BLACKAIR10D2S-V3
BLACKAIR12D2S-V3

Component Subwoofers

Owners Manual

Congratulations on purchasing your VIBE subwoofer. Please read this manual in order to fully understand how to get the best results from this product and ensure that all advice on how to look after the product is followed.

Thank you for buying VIBE, we hope you enjoy listening to your product as much as we enjoyed creating it.

Caution

Do not expose this product to damp or moisture - doing so may result in damage to the product.

Before wiring disconnect the cable from the positive battery terminal - failure to do so may result in electric shock or injury.

Ensure good and correct connections - failure to make the correct connections may result in fire or damage to the product.

Do not use any functions of this equipment that may take your concentration away from driving your vehicle - do not set up your amplifier whilst driving, doing so may result in an accident.

For prolonged setting up, make sure that your vehicle is stationary and in a safe location.

Keep the volume at a level so you can still hear outside noise - failure to do this may result in an accident.

VIBE equipment is capable of producing sound levels that can permanently damage your hearing.

VIBE recommends caution when listening at high volume.
For safe and enjoyable listening the sound should be comfortable and clear without distortion.

Limited Warranty

All VIBE products carry a full 12 month warranty, valid from the date of the original receipt and proof of purchase (UK only). The online warranty card should be completed within seven days of the original purchase date. The original receipt and packaging should be retained for this twelve month period. If the product develops a problem at any stage during the warranty period, it should be returned to the point of purchase in its original packaging, and complete with no items missing.

A full description of VIBE's warranty information can be found on our website:
www.vibeaudio.co.uk

What Is Not Covered

- Damage to product due to improper installation.
- Subsequent damage to other components.
- Damage caused by exposure to moisture, excessive heat, chemical cleaners and / or UV radiation.
- Damage through negligence, misuse, accident or abuse. Repeated returns for the same fault may be considered abuse.
- Any cost or expense related to the removal and / or re-installation of the product.
- Damage caused by amplifier clipping or distortion.
- Items repaired or modified by any unauthorised repair facility.
- Return shipping on non defective items.
- Products returned without a returns authorisation number.
- Damage to product due to use of sealant.

International Warranty

Contact your international VIBE dealer or distributor concerning specific procedure for your country's warranty policies. www.vibeaudio.co.uk

Warning

VIBE equipment is capable of sound pressure levels that can cause permanent damage to your hearing and those around you. Please use common sense when listening to your audio system and practice safe sound.

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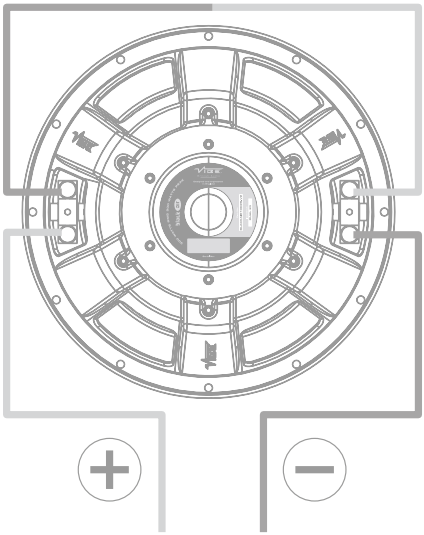
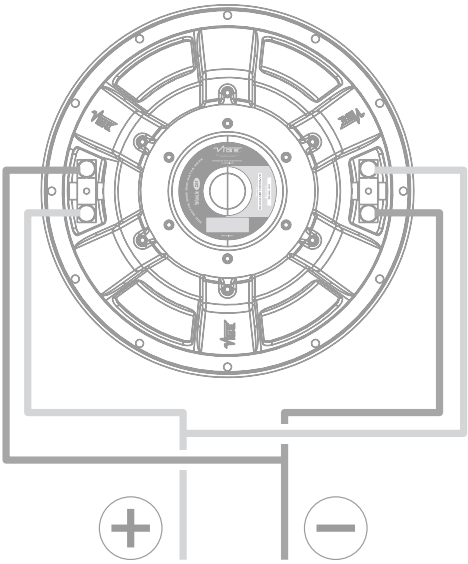
Wiring Connections

Please follow the wiring diagram below and ensure that correct polarity is observed as incorrect wiring may cause the subwoofer to be out of phase with the rest of the system and result in a loss of bass.



Series 4Ω Impedance



Parallel 1Ω Impedance

Run In Procedure

VIBE recommends that you follow the run in procedure for the subwoofer detailed below.

When your subwoofer is used for the first time, like most brand new items it is naturally very stiff and rigid. It will take time for the moving parts of this subwoofer to loosen up before the subwoofer will be ready to deliver its full potential.

For the first thirty hours it is recommended that you play the subwoofer at low to medium volumes, gradually increasing the volume level as time progresses. As a guide, if you listen to your subwoofer for one hour every day it will take a month for the subwoofer to run in properly.

You will notice a big change in the sound of the subwoofer over this period. As the spider and surround begin to run in, the sound will get deeper and harder, also the output of the subwoofer will increase as the suspension loosens up.

The subwoofer is like your car's engine, it needs a few thousand miles before you can drive it to its full potential. Driving it into the redline from the first day will mean engine damage is certain and will not be covered by warranty.
Failure to follow this simple procedure is the most common reason for a subwoofer to fail after a very short period of time.

Specification

Model	BLACKAIR10D2S-V3	BLACKAIR12D2S-V3
Speaker Size	10” (261mm)	12” (313mm)
Peak/RMS Power	900W/300W	900W/300W
Sensitivity	85dB	86dB
Frequency Response	30Hz - 1kHz	25Hz - 850Hz
Impedance	Dual 2Ω	Dual 2Ω
Voice Coil	3” 4 layer	3” 4 layer
Mounting Depth	3” (76mm)	3.1” (80mm)
Mounting Diameter	9” (230mm)	10.5” (267mm)
Enclosure Volume	1 - 5ft^3	1 - 5ft^3
Recommended Amp	POWERBOX400.1M	POWERBOX400.1M

TS Parameters

Parameter	BLACKAIR10D2S-V3 (Series)	BLACKAIR10D2S-V3 (Parallel)	BLACKAIR12D2S-V3 (Series)	BLACKAIR12D2S-V3 (Parallel)
Fs	36.14Hz	35.986Hz	31.63Hz	31.82Hz
Vas	14.433	14.291	32.205	27.724
Re	3.6Ω	0.9Ω	3.6Ω	0.9Ω
Qms	5.10	3.785	5.488	4.442
Qes	1.051	0.935	0.965	0.865
Qts	0.869	0.750	0.821	0.724
BL	13.342Tm	7.122Tm	13.897Tm	7.887Tm
SPL	80dB	80.4dB	82.1dB	82dB
Sd	0,034m/2	0,034m/2	0,048m/2	0,048m/2
Cms	84.726uM/N	83.893uM/N	97.197uM/N	83.672uM/N
Mms	228.9g	233.161g	260.439g	298.993g
Mmd	225.194g	229.454g	254.335g	292.888g
X-Max	8mm	8mm	8mm	8mm
X-Mech	20mm	20mm	20mm	20mm

UK Technical Enquiries

Call 09067031420

Calls cost 50p per minute. Call costs correct 01/02/12
Hours of business 9.00am - 5.30pm GMT Monday - Friday.
All calls are recorded for training purposes.
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