



EDGE

UNLIMITED SERIES

SPL SUBWOOFER MANUAL

EDU12SPL-E2
EDU15SPL-E2
EDU18SPL-E2

Owners Manual

Congratulations on purchasing your EDGE 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 EDGE, we hope you enjoy listening to your product as much as we enjoyed creating it.

Attention



DO NOT EXPOSE THIS PRODUCT TO DAMP OR MOISTURE - doing so may result in fire, shock or 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. EDGE equipment is capable of producing sound levels that can

permanently damage your hearing. EDGE recommends caution when listening at high volume.

For safe and enjoyable listening the sound should be comfortable and clear without distortion.

CAUTION

Never connect any speaker lead to the car chassis. This can cause severe damage to your speaker /car radio /amplifier.

Before drilling or cutting any holes, investigate the layout of your vehicle thoroughly.

Use caution when working near the fuel / hydraulic lines and electrical wiring.

Observe the correct polarity when wiring, improper phasing may cause a loss of bass response.

Ensure that no moving parts catch on the speaker or grill (e.g. window or door handles, or window glass inside the door)

Limited Warranty

All EDGE products carry a full 12 month warranty, valid from the date of the original receipt and proof of purchase. 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 any stage during the warranty period, it should be returned to the point of purchase in it's original packaging, and complete with no items missing. If the store is unable to repair the product it may have to be returned to EDGE.

A full description of EDGE warranty information can be found on our website:

www.edgcaraudio.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 EDGE dealer or distributor concerning specific procedure for your country's warranty policies. www.edgcaraudio.co.uk

Warning

EDGE 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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Run In Procedure

EDGE 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.

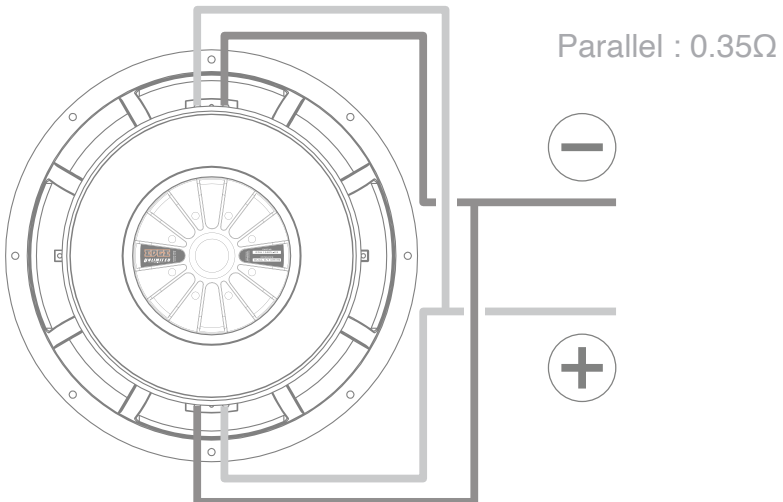
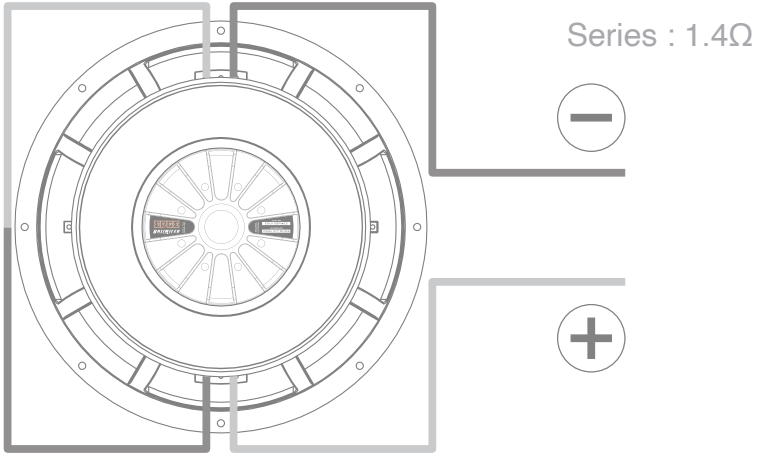
Failure to follow this simple procedure is the most common reason for a subwoofer to fail after a very short period of time.

Specification

Cone	Non-pressed paper cone
Surround	High roll foam - ribbed
Dustcap	Carbon Fibre
Voice Coil Diameter	100mm
Voice Coil Winding Height	4-layer 65mm Flat Aluminium
Spider	4pcs black PC
Gasket	Rubber
Top Plate	25mm Black anodized
Terminal / Wire	10awg cable
Impedance	Dual 0.7Ω
RMS Power	5000 watts
Peak Power	10,000 watts
Magnet Dimensions	280mm x 25mm
Magnet Weight	3pcs 612oz
Recommended Amplifier	EDX5000.1-E2

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.



TS Parameters

Parameter	EDU12SPL-E2	EDU15SPL-E2	EDU18SPL-E2
Dcr	0.35Ω	0.35 Ω	0.35 Ω
Fs	36.68Hz	34.87 Hz	31.53 Hz
SD	51.071 msqM	77.931 msqM	113.411 msqM
BL	14.371 Tm	16.789 Tm	16.279 Tm
Qms	4.481	4.483	5.25
Qes	0.439	0.451	0.599
Qts	0.399	0.409	0.534
SPL	86.6dB	88.8dB	87.5 dB
Vas	27.045 L	57.118 L	97.624 L
Cms	67.564 um/N	66.433 um/N	53.451 um/N
Mms	282.672 G	314.74 G	476.76 G
Mmd	275.637G	289.717 G	432.838 G
Krm	0.058 mΩ	0.149 mΩ	0.109 mΩ
Erm	1.028	1.037	1.064
Kxm	96.121	20.744	16.757
Exm	0.467	0.471	0.487
VMax	20mm +/-	20mm +/-	20mm +/-
Vd	13.77 L	13.77 L	17.59 L
Vd	0.49 CBF	0.49 CBF	0.62 CBF

Dimensions

Model	EDU12SPL-E2	EDU15SPL-E2	EDU18SPL-E2
Outer Diameter	325mm	395mm	466mm
Mounting Diameter	285mm	352mm	418mm
Mounting Depth	252mm	265mm	297mm
Recommended Enclosure Volume	3-5 cuft	4-5.5 cuft	6-7.5 cuft
Recommended Port Area (SPL)	15 sqin per cuft	15 sqin per cuft	15 sqin per cuft
Recommended Port Area (Music)	10 sqin per cuft	10 sqin per cuft	10 sqin per cuft
Recommended Amplifier	EDX5000.1-E2	EDX5000.1-E2	EDX5000.1-E2

UK Technical Enquiries

Call 0121 311 9090 : Option 4

Or email technical@midbass.com

Hours of business 9.00am - 5.30pm GMT Monday - Friday.

All calls are recorded for training purposes.

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International Technical Enquiries

For international technical support please contact the distribution agent for your country.

Please visit www.edgecaraudio.com for more details.





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