



REVOLUTIONARY CAR AUDIO

USER MANUAL

POWER AMPLIFIER

EDX5000.1-E2

Owners Manual

Congratulations on purchasing your EDGE amplifier. 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



An aftermarket audio amplifier will place an additional load on the vehicles charging system.

Most modern vehicles have sufficient capacity in the charging system as not all the electrical components of the vehicle will be switched on at once.

Check the fuse rating of the amplifier and use this as the peak current requirement.

Generally the continuous current draw will be a third of the peak current.

Warning

During the normal use of this amplifier the heatsink may become very hot.

Please do not touch during or immediately after use.

Please ensure that when installing this product the heatsink will not come into contact with any materials that may be damaged by heat such as upholstery or plastics.

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 its 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.edgecaraudio.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.edgecaraudio.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.

Copyright

All content included in this manual such as text, graphics, logos, icons, images and data, are the property of Midbass Distribution Limited t/a EDGE audio international copyright laws. All rights reserved. EDGE and all stylised representations of product names, or the abbreviations of product names, as logos are all trademarks of EDGE. Graphics and logos are trademarks or trade dress of EDGE audio or its subsidiaries. EDGE's trademarks and trade dress may not be used in connection with any product or service that is not EDGE's, in any manner that is likely to cause confusion among customers or in any manner that disparages or discredits EDGE. All other trademarks not owned by EDGE or its subsidiaries that appear in this manual are the property of their respective TO THE FULLEST EXTENT PERMITTED AT LAW, EDGE IS PROVIDING THIS MANUAL AND ITS CONTENT ON AN "AS IS" BASIS AND MAKES NO (AND EXPRESSLY DISCLAIMS ALL) REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THIS MANUAL OR THE INFORMATION, CONTENT, MATERIALS OR PRODUCTS INCLUDED IN THIS MANUAL INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN ADDITION, EDGE DOES NOT REPRESENT OR WARRANT THAT THE INFORMATION CONTAINED IN THIS MANUAL IS COMPLETE OR CURRENT, AND THAT ALL SPECIFICATIONS AND INFORMATION CONTAINED WITHIN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE. EDGE RECOMMEND CAUTION WHEN LISTENING TO MUSIC REPRODUCED THROUGH EDGE EQUIPMENT. EDGE EQUIPMENT IS CAPABLE OF PRODUCING SOUND AND SOUND PRESSURE LEVELS THAT CAN PERMANENTLY DAMAGE HEARING OF YOU AND THAT OF OTHERS. FOR SAFE AND ENJOYABLE LISTENING, THE SOUND SHOULD BE CLEAR WITHOUT DISTORTION AT A COMFORTABLE VOLUME. BY USING ANY EDGE EQUIPMENT, YOU AGREE TO TAKE FULL RESPONSIBILITY FOR YOUR OWN SAFETY AND THE SAFETY OF OTHERS WHEN LISTENING TO MUSIC AT HIGH VOLUMES THROUGH EQUIPMENT YOU HAVE PURCHASED. USE OF ANY EDGE EQUIPMENT CONSTITUTES AGREEMENT TO THIS DISCLAIMER.

representatives will be liable for damages arising out of or in connection with the use of this manual or the information, content, materials or products included.

This is a comprehensive limitation of liability that applies to all damages of any kind, including (without limitation) compensatory, direct, indirect or representatives.

Mounting Guidelines

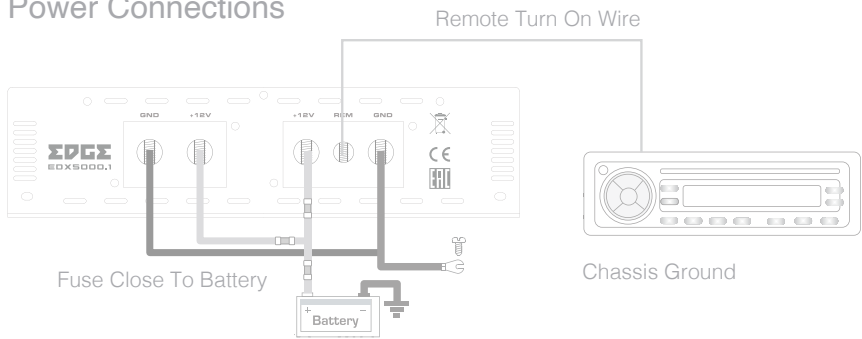
Your EDGE amplifier is designed with a swift installation routine in mind.

Please mount the amplifier in a dry location on a solid surface.

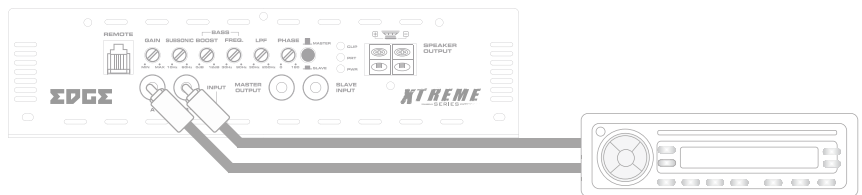
NEVER mount the amplifier upside down as this will cause the amplifier to over heat and will eventually damage the amplifier.

Before fixing the amplifier in place please ensure that there is sufficient air flow around the exterior of the casing, at least two inches is sufficient to allow effective cooling.

Power Connections



Low Level Input



Power Cable

- At least 0 gauge cable should be used for the power connection to the amplifier.
- The power cable should be taken directly from the battery. Rubber grommets should be used when passing through any bulkheads to prevent the cable from becoming chaffed or cut.
- It is vital that a fuse / circuit breaker (of at least equal value to the recommended fuse) is placed inline with the power cable and is no further than 18 inches away from the battery.
- Please ensure that the fuse is not fitted until the entire installation procedure is complete.

Ground Cable

- At least 0 gauge cable should be used for the ground connection to the amplifier.
- The amplifier ground should be connected directly to the chassis of the vehicle, to bare metal.
- The cable length should be kept to an absolute minimum.
- It is not recommended that you connect the ground cable to the vehicles seatbelts anchor point.

RCA Cables

- Depending on the model of your headunit and the number of speakers you wish to power you will have to run either one, two or three RCA cables from the source to the amplifier.
- Please take extra care when running these cables from the source to the amplifier. Ensure that they are placed away from all items that can generate any interference, wiring harnesses etc.
- It is recommended that the RCA cables should be run on opposite sides of the car to the previously installed power cables if possible, to avoid the cable picking up interference.

Terminals And Connections



1. Remote input socket

Used to connect the remote level control to the amplifier.

2. Gain control

This control is used to match the input signal of the source to the amplifier. See the setup section for more details.

3. Subsonic Filter

This control is used to set the subsonic crossover frequency for the amplifier. The frequency is adjustable between 10Hz and 60Hz.

4. Bass boost control

This control is used to add bass boost to the amplifier and is adjustable between 0dB and +12dB.

5. Bass boost frequency control

This control is used to set the bass boost frequency and is adjustable between 30Hz and 90Hz.

6. Low Pass Filter (LPF)

This control is used to set the LPF crossover frequency for the amplifier. The frequency is adjustable between 30Hz and 250Hz.

7. Phase control

This control is used to set the phase of the amplifier and is adjustable between 0° and 180°.

8. Slave / master switch

This switch is used to set the slave / master operating mode of the amplifier.

9. Power / clip / protect LED

If the amplifier is operating normally, the PWR LED will illuminate.

If the amplifier output is clipping, the CLIP LED will illuminate.

If the amplifier is in protection mode the PRT LED will illuminate.

10. Speaker terminals

Used to connect speaker cables to the amplifier. See the wiring configuration section for more details.

11. Low level input

For connection to any source (head unit) with a low level output. This is your RCA output from the source (headunit).

12. Master output

Used to connect to a slave amplifier for strapping. See strapped amplifier installation section for more details.

13. Slave input

Used to connect to a master amplifier for strapping. See strapped amplifier installation section for more details.

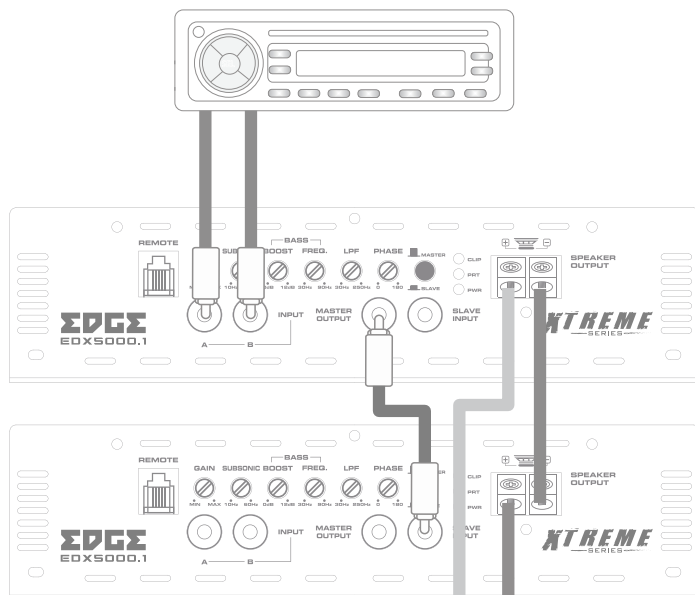
14. Power terminals A

Used to connect DC power to the amplifier. See the power connections section for more details

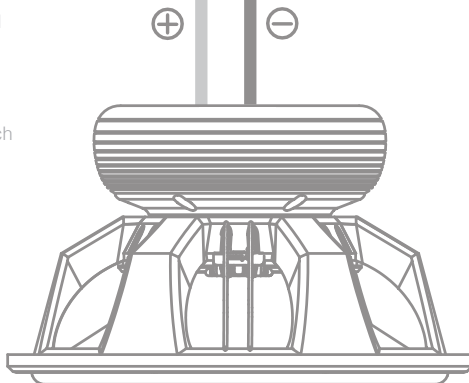
15. Power terminals B

Used to connect DC power to the amplifier. See the power connections section for more details

Strapped Amplifier Installation



1. Connect the master amplifier to the headunit and set slave / master switch to **master**.
2. Connect an RCA lead from the **master output** of the master amplifier to the **slave input** of the slave amplifier and set slave / master switch of slave amplifier to **slave**.
3. Connect a speaker cable between the negative speaker terminal on both amplifiers.
4. Connect a speaker cable from the **master** amplifier positive terminal to the subwoofers **positive** terminal.
5. Connect a speaker cable from the **slave** amplifier positive terminal to the subwoofers **negative** terminal.



Minimum impedance 2 Ω

Note : Use at least 8 awg cable for the connections to the subwoofer.

WARNING

Driving multiple speakers at an impedance lower than that recommended by VIBE could cause damage to this amplifier that is not covered by warranty.

Set Up Section

To correctly set the gain control of the amplifier to match that of the source (headunit) use the following setup routine:

Turn the gain control to minimum on the amplifier.

Ensure the bass boost is set to 0 dB.

On the headunit set all crossovers (if applicable) to flat and both bass and treble to zero.

Turn up the source (headunit) to approx 3/4 volume.

Very slowly turn up the gain on the amplifier until distortion can be heard in any of the subwoofers or until the volume reaches an uncomfortable listening level when this is reached turn down the gain control slightly.

The gain control is now set.

The setting of the crossover will depend on what kind of speaker you are installing.

For a subwoofer it is recommended that the crossover is set to Low Pass and the frequency is set to match that of the speakers specifications, or your preferred frequency - this is usually about 60 - 120Hz.

Note:

By using the crossovers correctly you will not only lengthen the life of your speakers but you will also get better performance from them.

To optimise your setup seek the advice of a professional installation engineer or visit your local VIBE audio dealer.

Specification

Model	EDX5000.1-E2
Configuration	Monoblock Amplifier
Dimensions (H x W x D)	2.3" x 9.8" x 25.6" (59mm x 250mm x 650mm)
RMS @ 4Ω 14.4v DC 1%THD	1580 watts
RMS @ 2Ω 14.4v DC 1%THD	3000 watts
RMS @ 1Ω 14.4v DC 1%THD	5500 watts
RMS @ 1Ω 16v DC 1%THD	5700 watts
RMS @ 1Ω 18v DC 1%THD	5900 watts
Maximum Power	11,000 watts
Frequency Response	10Hz - 350Hz
Crossover Type	LP / Subsonic
Crossover Range	10Hz - 250Hz
Input Sensitivity	200mv - 8V
S N/R	85dB
Topology	Ultra Class D
Recommended External Fuse	500A
Operating Voltage	8.5v DC - 18v DC
T.H.D. (4Ω 100Hz)	<0.1%

UK Technical Enquiries

Call 09067031420

Calls cost 50p per minute. Call costs correct at date of publication (01/02/12)
Hours of business 9.00am - 5.30pm GMT Monday - Friday.
All calls are recorded for training purposes.
MIDBASS Distribution
PO Box 11000
B75 7WG



International Technical Enquiries

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

Please visit **www.edgecaraudio.com** for more details.



Notes :

Notes :



EDGE

EAC

EDGECARAUDIO.COM
[FACEBOOK.COM / EDGEAUDIO](https://FACEBOOK.COM/EDGEAUDIO)
[INSTAGRAM.COM / EDGE_CARAUDIO](https://INSTAGRAM.COM/EDGE_CARAUDIO)