

STREET

EDGE

& B E Y O N D

ENCLOSURE
USER GUIDE

ACTIVE

www.edgecaraudio.com

INTRODUCTION

This instruction manual is for your safety and must be adhered to at all times. Please read and ensure that you fully understand the installation and set up procedures as explained. If you are unclear on the installation or set up of your EDGE speakers please contact your nearest authorised EDGE dealer.

Contents

EDGE enclosure
Wiring kit
Manual
Warranty card
Sticker

WARNING

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

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.



Limited Warranty

All EDGE goods are covered by a full 12 months manufacturers warranty. Valid from the date of the original receipt and proof of purchase. In order to validate this warranty, the warranty card should be returned to EDGE within seven days of the original purchase date. The original receipt and packaging should also be kept for this 12 month period.

If at any stage during the warranty period you have a problem with the product then it should be returned to the point of purchase in its original packaging, complete and with no items missing.

If the store is unable to fix the product it may have to be returned to EDGE this process takes around 7 working days.

A full description of EDGE's warranty information can be found on our website:
www.edgearaudio.com/warranty

A written version can also be obtained from
EDGE warranty department
PO Box 11000
B75 7WG

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We reserve the right to make needed changes or improvements to the product and this manual, without informing the customer about this in advance

SPECIFICATION

Model	EDB 10A	EDB 12A	EDB 12TA
amplifier	ED7200	ED7200	ED7300
Speaker size	10" (272mm)	12" (324mm)	15" (397mm)
Height	300mm	338mm	338mm
Width	365mm	408mm	740mm
Depth	400mm	413mm	413mm
RMS power	250 watts	300 watts	600 watts
Peak power	750 watts	900 watts	1800 watts
Fuse	20amp	20amp	25amp
Amplifier wiring kit	Included	Included	Included

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 30 hours it is recommended that you play the Subwoofer initially at low to medium volumes, gradually increasing the volume level as time progresses.

As a guide, if you listen to your Subwoofer for 1 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.

Mounting Guidelines

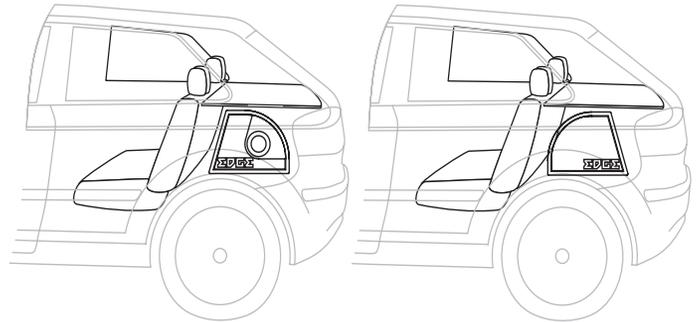
Your EDGE enclosure is designed with a swift installation routine in mind. Please mount it in a dry location on a solid surface. NEVER mount the enclosure at such an angle that the amplifier is upside down, this will cause the amplifier to over heat and will eventually damage the entire unit.

Installation

The most common place to mount a bass enclosure is in the luggage compartment of the vehicle.

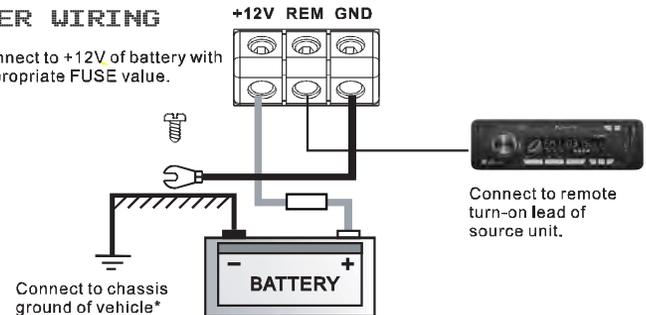
Where in the luggage compartment it is mounted will have an effect on the sound produced allowing the user to tailor the sound to best suit their musical tastes.

For example if the enclosure is mounted facing the rear bumper, the bass produced will be noticeably deeper than if it is fired into the rear seat.



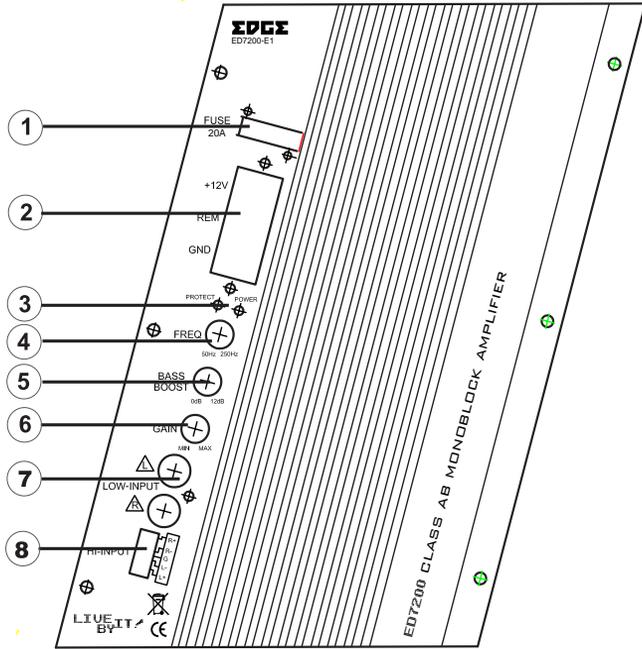
POWER WIRING

Connect to +12V of battery with appropriate FUSE value.

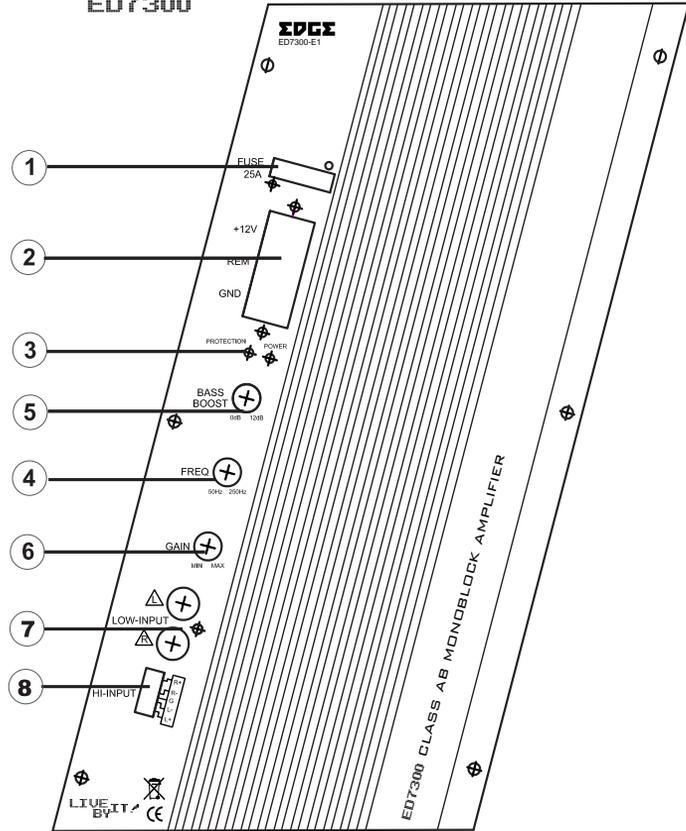


CONNECTIONS & CONTROLS

ED7200



ED7300



1. Fuse

ED7200: ensure a 20 amp fuse is fitted, never fit a fuse with a rating higher than 20 amps.

ED7300: ensure a 25 amp fuse is fitted, never fit a fuse with a rating higher than 25 amps.

2. Power connections

Power cable

At least an 12 gauge cable should be used for both the power and the ground connections 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 one fitted on the amplifier) is placed inline with the power cable and is no further than eighteen inches away from the battery.

Please ensure that the fuse isn't fitted until the entire installation procedure is complete.

Ground Cable

The ground cable needs to carry the same current as the power cable. Again at least and 12 gauge cable should be used. The amplifier ground should be connected directly to the chassis of the vehicle, to bare metal (not painted surface). The cable length should be kept to an absolute minimum. It is not recommended that you connect the ground cable to the vehicles seatbelts.

Remote Turn On

A minimum of 18 gauge cable should be used for this connection. The cable should be run with exactly the same care and attention as the power cable and taken back to the source and joined to the remote cable provided on the head unit.

If the headunit does not have a remote turn on cable then a 12v supply should be used. This will require a switch to be fitted inline to enable the amplifier to be turned on and off.

NOTE: Remember that if this switch is left on you will flatten the car battery.

3. Power/protection LED's

When the amplifier is wired and installed correctly the green LED on the front of the amplifier will illuminate to indicate the amplifier is operating correctly.

If the amplifier is incorrectly wired or an abnormal situation occurs such as speaker cables shorting the red protection LED will illuminate.

4. Crossover frequency control

This will allow you to set the frequency at which the amplifiers low pass filter will take affect. This is variable from 50 – 250 Hz. 50 Hz will produce only low frequencies (deep bass), 250 Hz will produce low and higher, more punchy bass response.

5. Bass boost

This will allow you to boost the bass at a frequency of 45 Hz and is variable from 0 – 12dB Please note – by boosting +12dB you are asking the amplifier to work 8 times harder.

6. Gain control

Used to match the input signal of the headunit to the amplifier. See the setup section for more details. Please note – the gain control is not a volume control it is a level match.

7. Low level input / RCA Cables

For connection to any source with a low level output. Connect this to the RCA outputs on your head unit.

- Please take extra care when running RCA 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.

8. High level input

For connection to a source unit without low level outputs. Connect this to the front or rear speaker wires ensuring that the polarity is correct.

Set Up Section

Gain Control Setting

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.
- On the headunit set all crossovers 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 speakers 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.

Crossover Setting

All EDGE active enclosures come with a built in Frequency Control. This will allow you to set the frequency at which the amplifier filter will take affect. It is variable from 50 Hz - 250 Hz. 50 Hz will produce only low frequencies, very deep bass. Whilst 250 Hz will produce low and higher punchy bass frequencies. In the correct set up the bass should not be overly prominent, although some users may wish to have a bigger bass presence.

To set this correctly follow the following routine:

- Firstly set the gain control correctly as described above.
- Play a known piece of dynamic music through the entire system.
- Use the Frequency Control to blend the frequencies from the subwoofer into the rest of the vehicle so that the bass coming from the enclosure 'disappears' or blends in with the rest of the car speakers.

The crossover is now set.

Troubleshooting

- Before removing the amplifier, refer to the list below and follow the suggested procedures.
- If in any doubt get help from a car audio installation expert or EDGE dealer.

Amplifier Will Not Power Up. Power On Indicator Not Illuminated

- Check for good ground connections. Ensure its connected directly to bare metal and not a painted surface.
- Using a multimeter check that the remote terminal has at least 10V DC.
- Using a multimeter check that the battery voltage on the positive terminal is at least 12V DC..
- Check all fuses.

Fuse Blown

- Check both positive supply and ground for shorts.
- Check that the positive wire is connected to the positive terminal on the amplifier.
- Check that the negative wire is connected to the ground terminal on the amplifier.
- ED7200 - Ensure that the a 20 amp fuse is fitted
- ED7300 - Ensure that the a 25 amp fuse is fitted

EDGE



NOTES

