

EDGE

ACTIVE ENCLOSURES

EDB10A-E2

EDB12A-E2

EDB12TA-E2

OWNERS MANUAL

Congratulations on purchasing your FLI bass enclosure. 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 FLI, 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 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.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.

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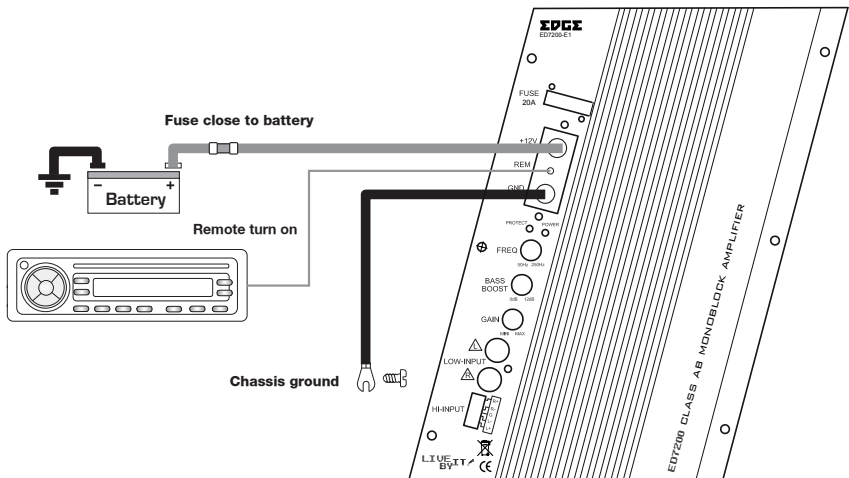
This is a comprehensive limitation of liability that applies to all damages of any kind, including (without limitation) compensatory, direct, indirect or representatives.

MOUNTING GUIDELINES

Your FLI enclosure is designed with a swift installation routine in mind.

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

POWER CONNECTIONS



POWER CABLE

- At least 10 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 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 is not fitted until the entire installation procedure is complete.
- The two tables overleaf are to help you decide on what cable is correct for you. The first enables you to select the size of cable depending on the length required. The second will help you convert the cable size from American Wire Gauge to Metric and Imperial if you need to.

CONNECTIONS

GROUND CABLE

- At least 10 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.

REMOTE TURN ON CABLE

- 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 (headunit) and joined to the remote cable provided.
- If the source (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. Remember that if this switch is left on you will flatten the car battery.

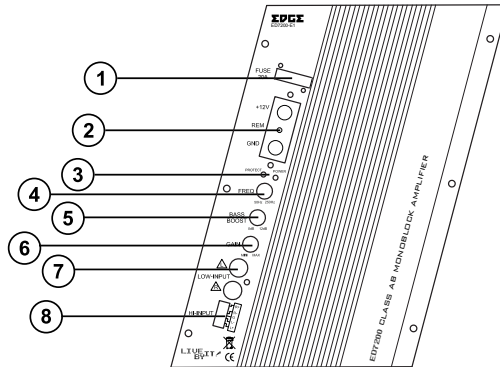
RCA CABLES

- 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.

AUTO TURN ON (HIGH LEVEL INPUT ONLY)

- The EDGE Active enclosures feature an auto turn on circuit called Autosense.
- This circuit allows the amplifier to switch on and off without a remote turn on wire when using high level input, for low level input (RCA) it will still be necessary to connect the remote turn on wire from the headunit.
- When the connected source (headunit) is turned on the amplifier will turn on automatically, after the connected source (headunit) is turned off the amplifier will shut down.

TERMINALS AND CONNECTIONS



1. Fuse

EDB10A / EDB12A: ensure a 20 amp fuse is fitted, never fit a fuse with a rating higher than 20 amps.

EDB12TA: ensure a 25 amp fuse is fitted, never fit a fuse with a rating higher than 25 amps.

2. Power Input Terminals

See Power Connections on Page 4 for more details

3. Power/protection LED's

When the amplifier is wired and installed correctly the green LED on the amplifier heatsink 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 of the headunit ensuring that the polarity (positive and negative) is correct.

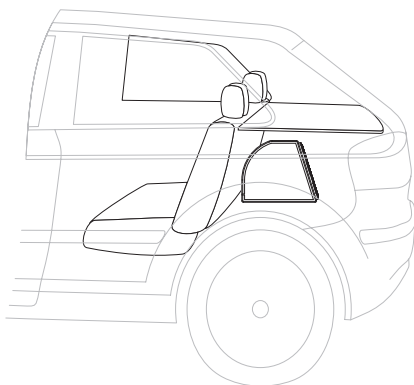
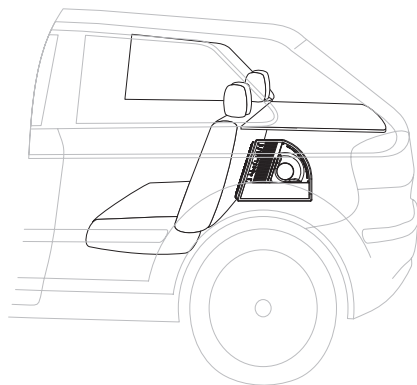
INSTALLATION

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 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.

Do not be afraid to experiment with positioning as a little time and effort can yield great improvements in sound.



NOTE: When you have chosen your mounting position, please ensure that the enclosure is securely mounted and cannot move or come into contact with objects in the luggage area. Damage to the enclosure or subwoofer caused by these objects will not be covered under warranty.

It is also advisable to use additional luggage straps to secure the enclosure.

RUN IN PROCEDURE

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

- When your subwoofer is used for the first time, naturally like most brand new items it is very stiff and rigid. It will take time for the moving parts of the subwoofer to loosen up before the subwoofer is ready to deliver it's full potential.
- For the first 30 hours it is recommended that you play the subwoofer initially at low to medium volumes and gradually increase the volume as time progresses.
- As a guide if you listen to your subwoofer for one hour every day it will take a month to run.

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 crossover 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

AMPLIFIER WILL NOT POWER UP

- Check for good ground connections. Ensure that the ground cable is connected directly to bare metal and not a painted surface
- Using a multimeter ensure that the remote (REM) terminal has at least +12v DC.
- Using a multimeter ensure that the Battery voltage is at least 12v DC and below 16v DC.
- Check all fuses.
- Check that the protection light is not illuminated, if it is illuminated try turning the amplifier off for a short period of time and then turn back on.

PROTECTION LED IS ILLUMINATED

- Check for shorts on all cables
- The amplifier is designed to shut down once automatically when the temperature reaches 80°C, if the amplifier heatsink is very hot this may be the reason for the amplifier shutting down.
- Remove the signal cables and try to restart the amplifier, if the amplifier will not restart then it is possible that the amplifier has been damaged. This damage may have been as a result of abuse or failure to follow the advice in this manual.

BLOWN FUSES

- Check both positive and ground cables for shorts.
- Check that the positive wire is connected to the +12V terminal of the amplifier
- Check that the negative wire is connected to the GND terminal of the amplifier
- Check that the correct fuse is fitted.
EDB10A-E2, EDB12A-E2: 1 x 20 amp
EDB12TA-E2: 1 x 25A

DISTORTED SOUND

- Reduce the gain until the sound is no longer distorted.

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.



SPECIFICATION

Model	EDB10A-E2	EDB12A-E2	EDB12TA-E2
Driver	ED510A	ED512A	ED512A x 2
Power (watts)	250W RMS / 750W Peak	300W RMS / 900W Peak	600W RMS / 1800W Peak
Impedance	4Ω	4Ω	4Ω
Dimensions (H x W x D)	300mm (11.8") x 365mm (14.4") x 400mm (15.7")	338mm (13.3") x 408mm (16.1") x 413mm (16.3")	338mm (13.3") x 740mm (29.1") x 413mm (16.3")
Configuration	4th order bass reflex	4th order bass reflex	4th order bass reflex
Amplifier	ED7200 (Active)	ED7200 (Active)	ED7300 (Active)

EDGE



WWW.EDGECARAUDIO.CO.UK