



British Audio



Compact 8

CVENC8-V4

kompakter 8" Aktiv-Subwoofer

8" активный компактный корпусной сабвуфер

Caja Graves Compacta Activa 8"

Caisson de bass compact amplifié subwoofer en 8" 20cm

8" Compact Active Bass Enclosure



Music

/ˈmjuz:ik/

The use of sound to produce melody, beauty of form and harmony to convey human emotion.

Music has an intrinsic grace that touches the human soul, it is the language of our passions and feelings. To truly listen to the sounds that move us most we have to hear them as they were truly intended, with every detail intact. The greatest music demands the greatest sound reproduction equipment.

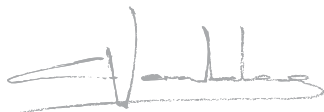
Heritage

Each CVEN product is manufactured with materials specially selected for their inherent qualities to perform without any constraint of cost.

Our creations are born in design innovation and cutting edge technology. Through a combination of engineering expertise and the craftsman's artistry we produce high fidelity equipment of the highest calibre and durability.

"As the Creator, Designer and Chief Engineer of Vibe I want to set a new Benchmark for the products that carry my name. I have always pushed to reach to a higher level of achievement for every speaker, subwoofer or amplifier that we create.

With CVEN, the values that forged Britain's Engineering Heritage have been applied to create the very pinnacle of car audiophile sound quality"

A handwritten signature in black ink, appearing to read 'Carl Venables', with a stylized, flowing script.

Carl Venables
Founder - VIBE Audio

Owners Manual

Congratulations on purchasing your VIBE CVEN series active 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 VIBE, 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 VIBE products carry a full twelve month warranty, valid from the date of the original receipt and proof of purchase. In order to validate this warranty, the online warranty card should be completed within seven days of the original purchase date. If the product develops a problem at any stage during the warranty period, it should be returned to the point of purchase complete with no items missing. If the store is unable to repair the product it may have to be returned to VIBE.

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.

International Warranty

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

Please visit www.vibeaudio.co.uk for more information.

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.

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 VIBE Technologies Limited (herein referred to as "VIBE", "us" or "we") and its affiliate or their content and technology providers, and are protected by United Kingdom and International copyright laws. All rights reserved. CVEN, VIBE TV, VIBE Arcade, Bass Box, Optisound, Cinesound, BlackAir, BlackBox, Space, LiteAir, SLICK, BlackDeath, Bubonic, Reaper, Anti-VIBE, FastPlug, BlackHole, QB69, VIBE Turbo Port, Vibe TurboVent, Pressure Board, Super Driver, VIBE Pulse, VIBE Power, VIBE Digital, VIBE MAG Plugs, Ferrite Loaded, VIBE Solid Core, VIBE OCC, VIBE FLAT, ICC, Bass Enhance, Bass Enhance+, QBass, SpeedBass, PowerBass, N-Wedge, Box Grip, ARBSS, Supercar Series and all stylised representations of product names, or the abbreviations of product names, as logos are all trademarks of VIBE. Graphics and logos are trademarks or trade dress of VIBE Technologies Ltd or its subsidiaries. VIBE's trademarks and trade dress may not be used in connection with any product or service that is not VIBE's, in any manner that is likely to cause confusion among customers or in any manner that disparages or discredits VIBE. All other trademarks not owned by VIBE or its subsidiaries that appear in this manual are the property of their respective owners, who may or may not be affiliated with, connected to, or sponsored by VIBE or its subsidiaries.

To the fullest extent permitted at law, VIBE 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, VIBE 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. VIBE recommend caution when listening to music reproduced through VIBE equipment. VIBE 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 VIBE 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 VIBE equipment constitutes Agreement to this disclaimer.

Except as specifically stated in this manual, to the fullest extent permitted at law, neither VIBE nor any of its affiliates, directors, employees or other 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 consequential damages, loss of data, income or profit, loss of or damage to property and claims of third parties. For the avoidance of doubt, VIBE does not limit its liability for death or personal injury to the extent only that it arises as a result of negligence of VIBE, its affiliates, directors, employees or other representatives.

Mounting Guidelines

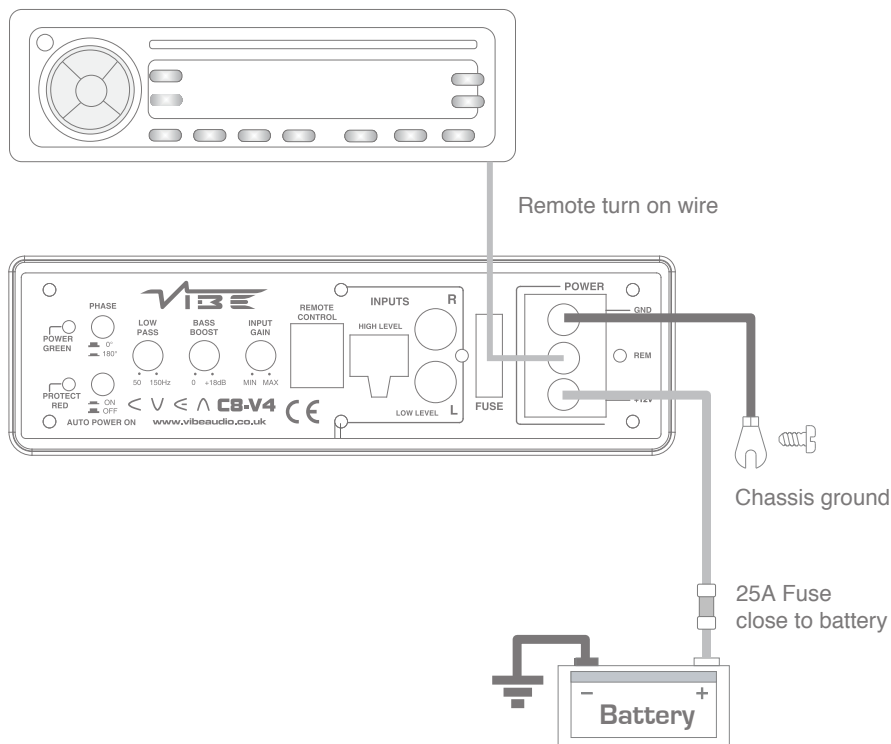
Your VIBE CVEN enclosure is designed with a swift installation routine in mind.

Please mount the enclosure 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 enclosure in place please ensure that there is sufficient air flow around the exterior of the amplifier casing to allow adequate cooling.

Power Connections



Power Cable

- At least eight 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 25 amps is placed in-line 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.

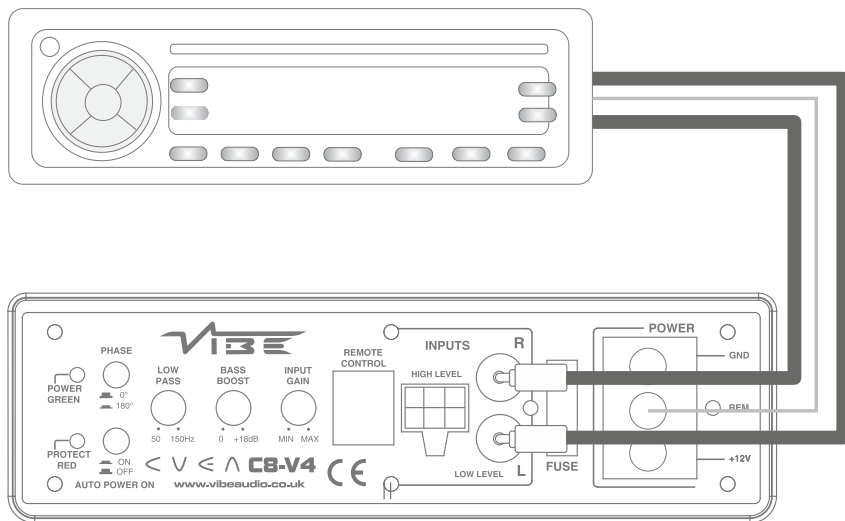
Ground Cable

- At least eight 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 seat belt anchor point.

Auto Turn On

- The CVENC8-V4 features an auto turn on circuit.
- This circuit allows the amplifier to switch on and off without a remote turn on wire when using high level input.
- 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 after one minute.
- If using low level input (RCA) it will still be necessary to connect the remote turn on wire.

Low Level Input Connections



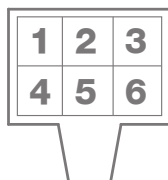
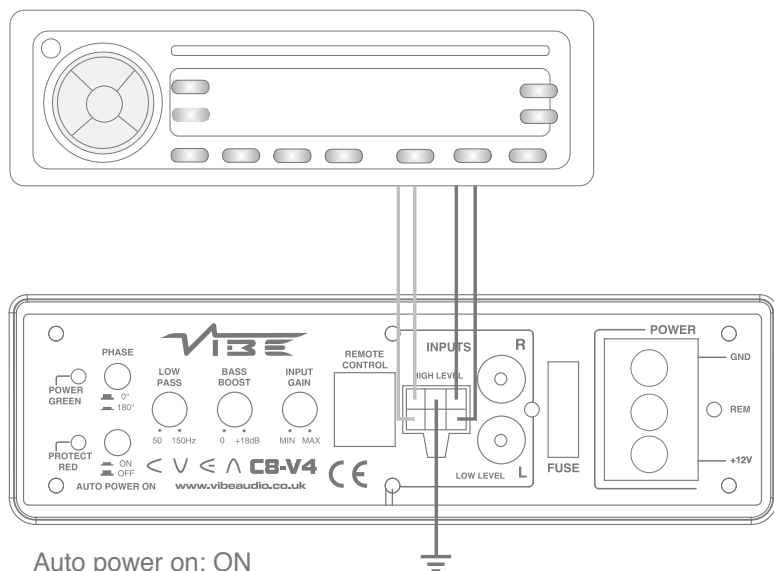
Auto power on: OFF

Interconnects

1. Please take extra care when running the Interconnect (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.

2. 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.

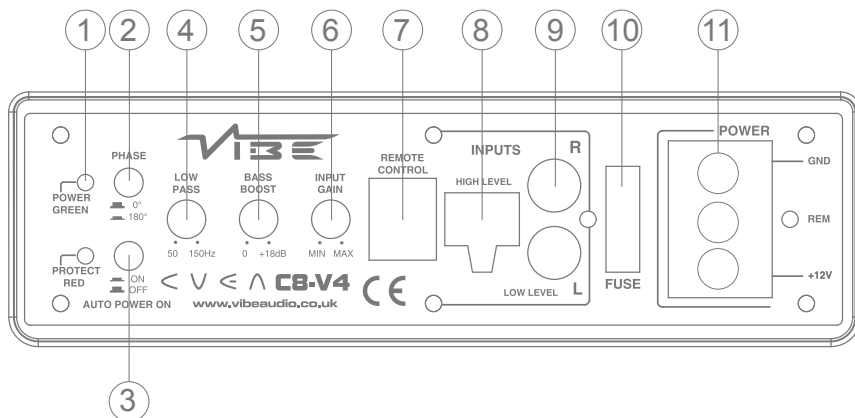
High Level Input Connections



Pin Configuration

1. WHITE : Left speaker positive (+)
2. BLACK : Connect to chassis ground
3. WHITE/BLACK : Left speaker negative (-)
4. GREY : Right speaker positive (+)
5. NOT USED
6. GREY / BLACK : Right speaker negative (-)

Terminals And Connections



1. Power/protection LED's

When the amplifier is wired and installed correctly the green LED on the front of the amplifier will illuminate. If the amplifier is incorrectly wired or an abnormal situation occurs such as speaker cables shorting the red protection LED will illuminate.

2. Phase switch

This switch sets the phase of the subwoofer, 0° or 180° can be selected. One setting will bring the bass from the subwoofer more in time with the bass from the speakers giving an overall increase in bass output.

3. Auto turn on / off switch

This switch activates the auto turn on when using high level input. If you are using high level input and do not wish to use a separate remote wire please set this switch to ON.

If using low level input or separate remote wire, set this switch to OFF.

4. Low pass 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 50Hz – 150 Hz. 50 Hz will produce only low frequencies (deep bass), 150 Hz will produce both low bass and higher, more punchy bass.

Terminals And Connections

5. Bass boost

This will allow you to boost the bass at a frequency of 45 Hz and is variable from 0 – 18dB

Please note – by boosting +18dB you are asking the amplifier to work 10 times harder.

6. Gain control

Used to match the input signal of the headunit to the amplifier. See the setup section (page 14) for more details.

Please note – the gain control is not a volume control, it is a level match.

7. Remote control input socket

Used to connect the supplied remote gain control.

8. High level / speaker wire 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.

9. Low level / RCA input

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

10. ATC fuse

Replace only with the correct size fuse: 25A

11. Power input terminals

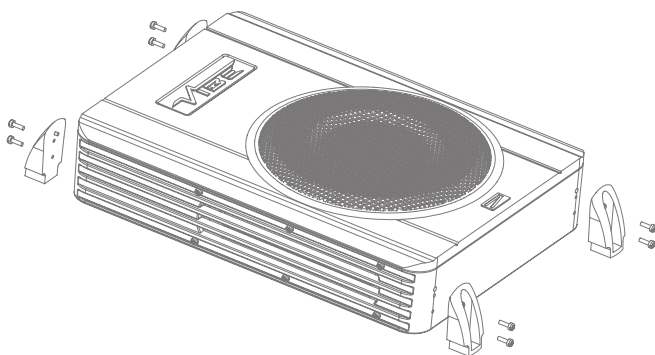
See Power Connections on Page 6 for more details

Mounting Installation

The CVENC8-V4 is compact enough to be installed in many locations in the vehicle such as under a seat, behind a seat or on a side panel.

It is crucial that the enclosure is securely mounted to minimise the risk of damage, please follow the mounting guide below

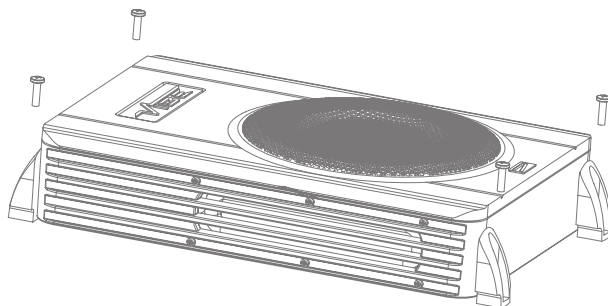
1. Attach the four plastic mounts to the enclosure using the bolts provided



2. Screw the enclosure to the desired mounting location ensuring that there are no electrical cables, fuel lines or brake lines that may be damaged in the chosen location.

If securing to the vehicle chassis please check with the vehicle manufacturer as to how this may affect any anti corrosion warranty before proceeding.

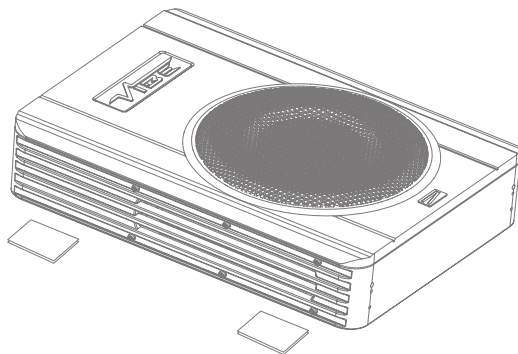
If you are unsure about the installation of this product please consult an authorised VIBE dealer.



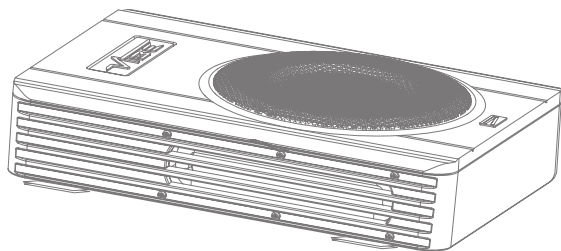
Mounting Installation

The CVENC8-V4 can also be installed under a seat using the supplied Velcro pads

1. Attach the four Velcro pads to the bottom of the enclosure



2. Attach to the vehicle carpet.



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 approximately 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.
- Do not increase the level so much that the subwoofer is driven into distortion as this will cause damage to the product that will not be covered under warranty.

The gain control is now set.

Crossover Setting

All VIBE CVEN 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 - 150 Hz. 50 Hz will produce only low frequencies, very deep bass. Whilst 150 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.

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, 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 in.

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.
- Check that there is audio being output by the source (headunit)
- 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.

Blown Fuse:

- 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 value fuse is fitted: 25 amps

Protection LED is illuminated:

- Check for shorts on all cables
- The amplifier is designed to shut down 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 or subwoofer has been damaged. This damage may have been as a result of abuse or failure to follow the advice in this manual.

Distorted sound:

- Reduce the gain until the sound is no longer distorted .
- Ensure that excessive bass boost is not applied.
- Check the equaliser settings of the head unit and ensure that there is no excessive bass boost applied.

Specification

Model	CVENC8-V4
Driver	CVEN 8"
Power (watts)	120W RMS / 240W Peak
THD	0.4%
Signal to noise ratio	>90dB
Impedance	2Ω
Dimensions :	
Height	75mm (3")
Width	245mm (9.6")
Depth	343mm (13.5")
Configuration	Acoustic suspension / passive radiator
Amplifier .	CVEN Bass 1 (active)
Bass boost	0 -18dB
Crossover frequency range	50Hz - 150Hz
Subsonic filter	20Hz (fixed)
Phase range	0° or 180°

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.

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.vibeaudio.co.uk for more details.





/ˈmjuz:ɪk/

The use of sound to produce melody, beauty of form
and harmony to convey human emotion.

Music has an intrinsic grace that touches the human soul, it is the language of our passions and feelings.
To truly listen to the sounds that move us most we have to hear them as they were truly intended, with every detail intact.
The greatest music demands the greatest sound reproduction equipment.



Designed and engineered in England



www.vibeaudio.co.uk



www.youtube.com/vibeaudio



www.facebook.com/vibeaudio



www.twitter.com/vibecaraudio

