



British Audio



POWERBOX 65.4M

POWERBOX65.4M-V7

Power box micro

Power Amplifiers

Owners Manual

Congratulations on purchasing your VIBE 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 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 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 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.
- Damage to product due to use of sealant.

International Warranty

Contact your international VIBE dealer or distributor concerning specific procedure for your country's warranty policies. www.vibeaudio.co.uk/warranty

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.

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Auto Turn On (High level Input Only)

- The PowerBox amplifiers 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.

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.

Mounting Guidelines

Your VIBE 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.

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 on the headunit is set to 0 dB.
- Set all crossovers on the headunit (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 speakers or until the volume reaches an uncomfortable listening level when this is reached turn the gain control down slightly.

The gain control is now set.

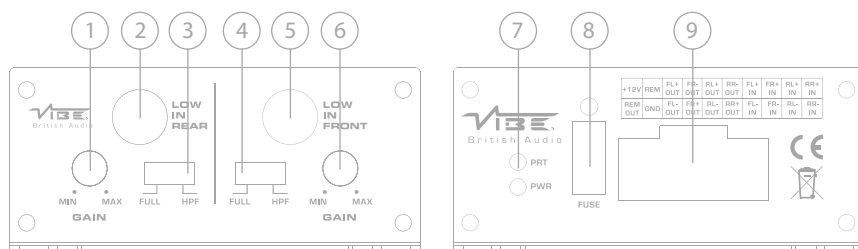
The setting of the crossover will depend on what kind of speaker you are installing.

Note: The smaller the speaker, the less bass it can handle, so for a larger speaker FULL would be preferred, and HPF for a smaller speaker.

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.

Terminals And Connections



1. Rear gain control

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

2. Rear low level input / output

For connection to any source (headunit) with a low level output to the rear channels of the amplifier. This is your RCA output from the source (headunit). Additionally, if using high level input this RCA lead provides an output can be used to connect an additional amplifier or audio device.

3. Rear crossover mode select switch

This control is used to select the crossover mode of the rear channels of the amplifier. FULL is for full range output, HPF is used to limit the amount of low frequency information passed to the speakers and is fixed at 80Hz.

4. Front crossover mode select switch

This control is used to select the crossover mode of the front channels of the amplifier. FULL is for full range output, HPF is used to limit the amount of low frequency information passed to the speakers and is fixed at 80Hz.

5. Front low level input / output

For connection to any source (headunit) with a low level output to the front channels of the amplifier. This is your RCA output from the source (headunit). Additionally, if using high level input this RCA lead provides an output can be used to connect an additional amplifier or audio device.

6. Front gain control

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

7. Power / protect LED

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

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

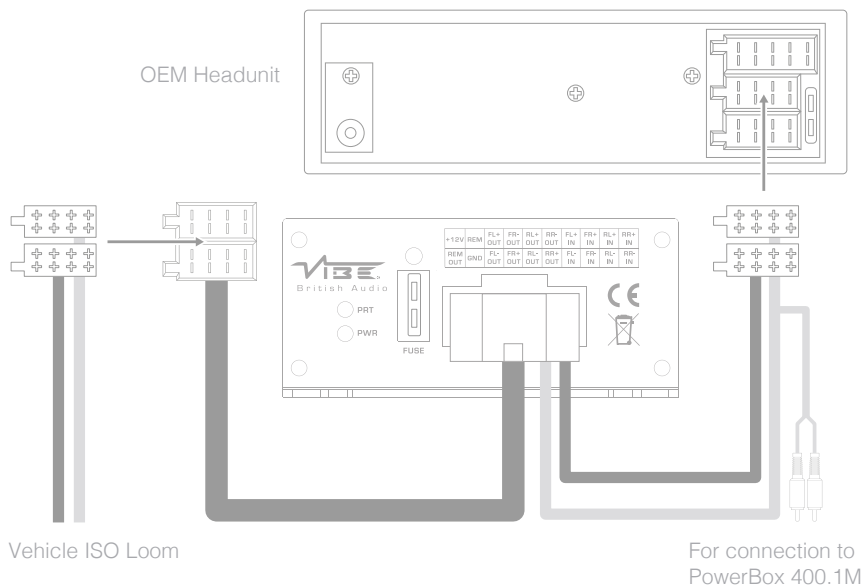
8. Fuse

Replace with only the same value ATC fuse : 20A

9. Power / speaker terminals

Used to connect DC power and speaker input / output cables to the amplifier. See the wiring configuration section for more details

Power / Speaker Connections



Step 1

- Disconnect the factory ISO connector from the back of the OEM headunit.

Step 2

- Connect the factory ISO connector to the ISO output connector of the PowerBox 65.4M amplifier harness.

Step 3

- Connect the ISO input connector of the PowerBox 65.4M amplifier harness to the back of the OEM headunit.

NOTE : If your vehicle does not have a standard ISO connector (for example a quadlock connector) it will be necessary to purchase a separate vehicle specific T-Harness connector

Contact your local VIBE dealer for more information.

WARNING :

The PowerBox 65.4M features an RCA output for connection to the RCA input of a PowerBox 400.1M.

This connection is a high voltage signal and may damage regular amplifiers and therefore can ONLY be used with the PowerBox 400.1M.

Specification

Model	POWERBOX65.4M-V7
Configuration	4 channel
Dimensions (H x W x D)	1.5" x 7.4" x 3.2" (37mm x 187mm x 82mm)
RMS @ 4 Ω Stereo	4 x 65 watts
RMS @ 2 Ω Stereo	N/A
RMS @ 4 Ω Mono	N/A
Maximum Power	520 watts
Recommended Fuse	20 Amps
Frequency Response	20Hz - 20kHz
Crossover Type	HP / Full
Crossover Range	80Hz
Topology	Class D

Notes :

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.

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