

VIBE[®]
Vented Innovative Bass Enclosures

SLICK
a4

Instruction Manual

To ensure maximum performance and safety,
please follow this manual. Please retain the
manual for future reference after installation

OWNERS MANUAL

Thank you for purchasing this VIBE amplifier. It will provide you with a lifetime trouble free usage providing you follow a few simple guidelines.

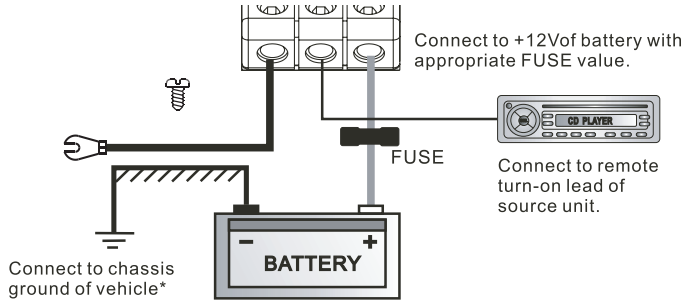
CONTENTS

Mounting Guidelines.....	3
Connections.....	4
Setup Section.....	6
Applications.....	7,8
Trouble shooting.....	9
Specification.....	10
Warranty.....	10
Accessories.....	11

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, 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.

Connections



Power Cable

- At least an 8 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 chafed 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 below 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 if you need to.

Current demand	Length of Run							
	0 – 4 Ft	4 – 7 Ft	7 – 10 Ft	10 – 13 Ft	13 – 16 Ft	16 – 19 Ft	19 – 22 Ft	22 – 28 Ft
0–20 amps	14	12	12	10	10	8	8	8
20–35 amps	12	10	8	8	6	6	6	4
35–50 amps	10	8	8	6	4	4	4	4
50–65 amps	8	8	6	4	4	4	4	2
65–85 amps	6	6	4	4	2	2	2	0
85–105 amps	6	6	4	2	2	2	2	0
105–125 amps	4	4	4	2	0	0	0	0
125–150 amps	2	2	2	0	0	0	0	0

AWG to Metric Conversion Chart			
cross sectional area			
AWG Number	Inch	mm	mm ²
0	0.325	8.25	53.5
1	0.289	7.35	42.4
2	0.258	6.54	33.6
3	0.229	5.83	26.7
4	0.204	5.19	21.1
5	0.182	4.62	16.8
6	0.162	4.11	13.3
7	0.144	3.66	10.5
8	0.128	3.26	8.36
9	0.114	2.91	6.63
10	0.102	2.59	5.26

Ground Cable

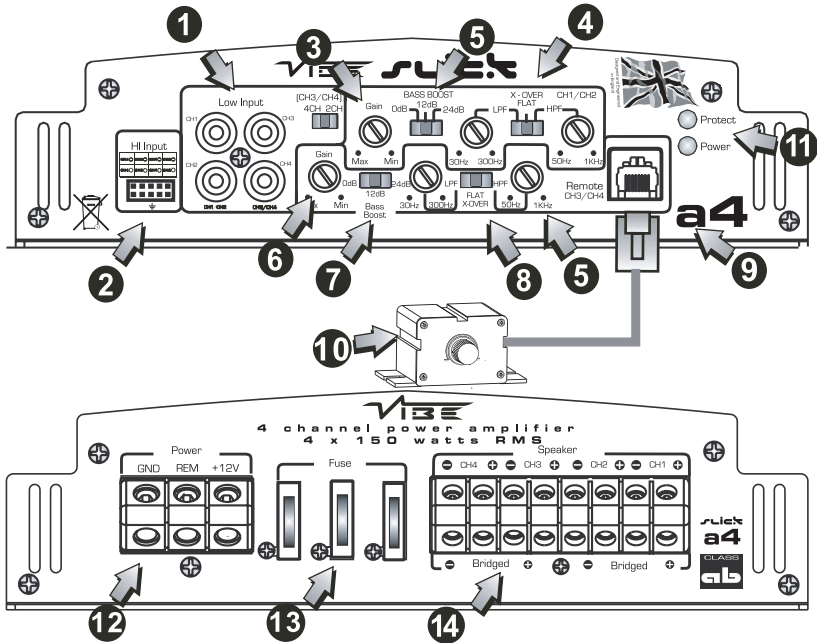
- The ground cable needs to carry the same current as the power cable. At least an 8 gauge cable should be used.
- The amplifier ground should be connected directly to the chassis of the vehicle, to bare metal.
- The cable length should be kept to an absolute minimum.
- It is not recommended that you connect the ground cable to the vehicles seatbelts anchor point.

Remote Turn On

- 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

- Depending on the model number of your amplifier and the number of speakers you wish to power you will have to run either one or two 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.



1. Low Level Input

For connection to any source (head unit) with a low level output. This is your RCA output from the source (headunit). In order to obtain a four channel output from a two channel input please set the switch to 4 channel and plug the RCA's into channel 3 and channel 4.

2. High Level Input

To be used when no RCA's are available. Use the provided loom to connect to closest speakers. The loom connector will only fit one way around. Once plugged in you should connect the wires as below:

Front Speakers

Left Positive - Brown
Left Negative - Blue

Right Positive - Black
Right Negative - Green

Rear Speakers

Left Positive - Orange
Left Negative - Grey

Right Positive - Yellow
Left Negative - White

3. Front Gain Control

Used to match the input signal of the source to the amplifier. See the setup section for more details.

4. Front Crossover Control

The switch is used to select between low pass / high pass filter or no filter at all on the front channels. The frequency ranges on the low pass filter are from 30 Hz to 300 Hz. The frequency ranges on the high pass filter are from 50 Hz to 1 KHz.

5. Front Bass Boost Switch

To provide up to an extra +24 dB of bass boost at 45 Hz. Use this boost to increase bass output from the amplifier.

6. Rear Gain Control

Used to match the input signal of the source to the amplifier. See the setup section for more details.

7. Rear Bass Boost Switch

To provide up to an extra +24 dB of bass boost at 45 Hz. Use this boost to increase bass output from the amplifier.

8. Rear Crossover Control

The switch is used to select between low pass / high pass filter or no filter at all on the rear channels. The frequency ranges on the low pass filter are from 30 Hz to 300 Hz. The frequency ranges on the high pass filter are from 50 Hz to 1 KHz.

9. Rear Gain Remote Input Jack

Use to plug in the remote bass controller.

10. Gain Remote Controller

This remote can be mounted in the front of the car and will give you the ability to raise the gain of the amplifier remotely in the range of 0.25 volts to 6 volts.

11. Indicator LED

When the amplifier is operating correctly the LED will show as blue.
When the amplifier is in protection mode the LED will show as red.

12. Power Connections

Power connections. See Connections section for details on correct connections.

13. Fuses

Please ensure the following fuse rating is used when replacing fuses: 35 amp x 3

14. Speaker Terminal Output

For connection to the speakers. See Application section for wiring examples.

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 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.

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.

For a pair of full range speakers it is recommend that the crossover is set to Flat. The two frequency controls will then have no effect on the amplifiers output and the speaker will receive a full range signal. However, using the high pass crossovers will allow more control of your speakers. By removing the bass (low frequencies) the speakers can perform at higher volumes with less distortion.

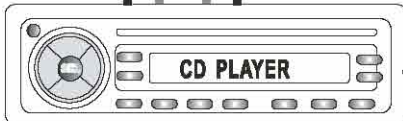
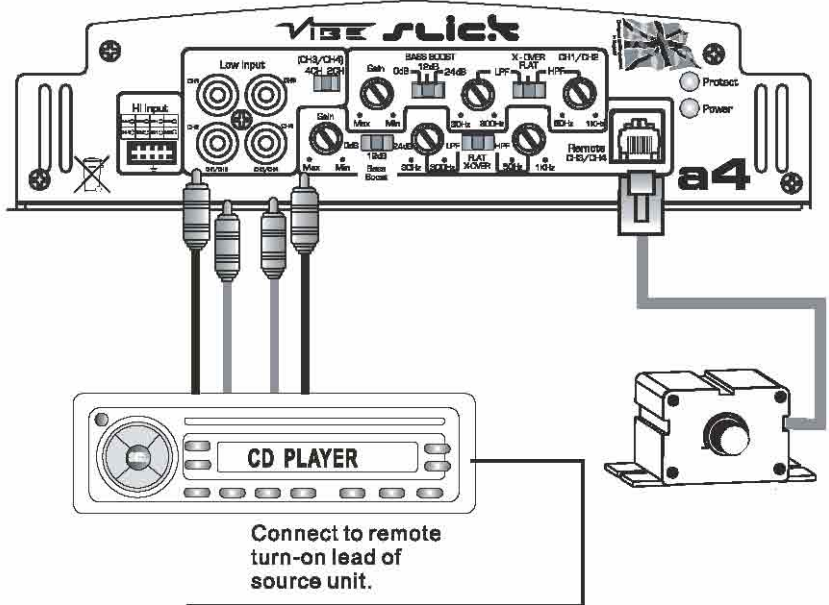
Note: The smaller the speaker, the less bass it can handle. Adjust the crossover to get the most and best sound from your speakers. The easiest was to do this is by limiting the amount of bass you feed them

For a pair of speakers with a passive crossover it is recommended that the crossover is set to High Pass and the frequency is set to match that of the speakers specifications.

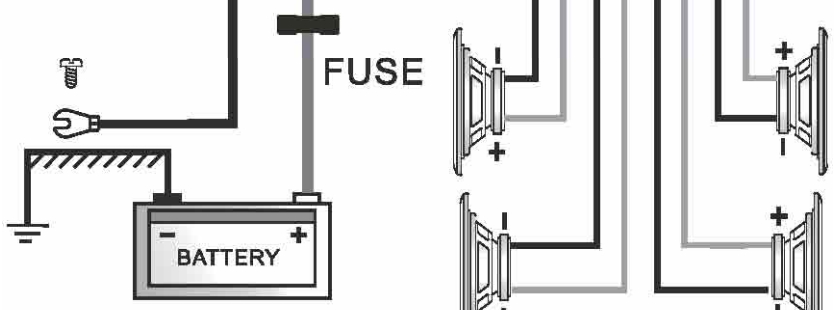
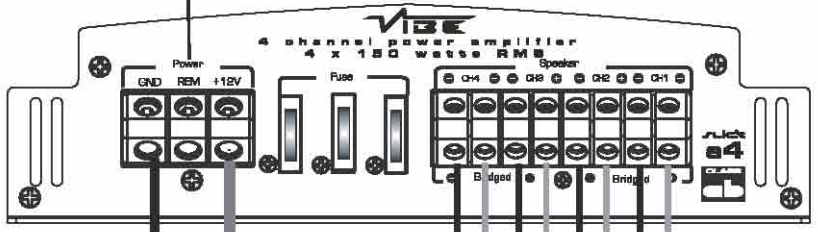
Note:

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 advise of a professional installation engineer or visit your local FLI audio dealer.

SYSTEM WIRING 4 CHANNEL STEREO CONFIGURATION



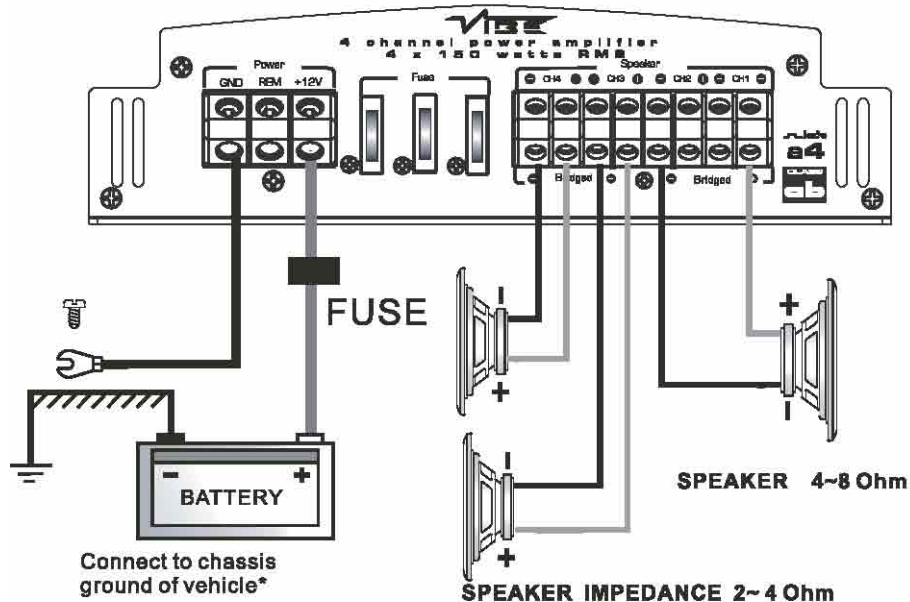
Connect to remote turn-on lead of source unit.



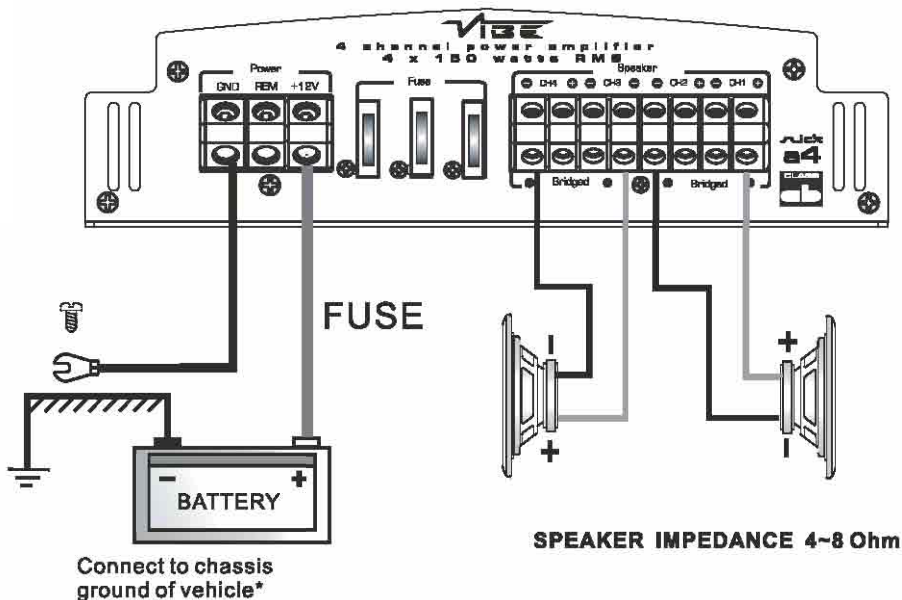
Connect to chassis ground of vehicle*

SPEAKER IMPEDANCE 2~4 Ohm

SYSTEM WIRING 3 CHANNEL BRIDGED MODE CONFIGURATION



SYSTEM WIRING 2 CHANNEL BRIDGED MODE CONFIGURATION



Troubleshooting

- Before removing the amplifier, refer to the list below and follow the suggested procedures.
- Always test the speakers and confirm that they are wired correctly first.
- If in any doubt get help from a qualified auto electrician.

Amplifier Will Not Power Up

- ✓ Check for good ground connections. Ensure Ground cable is connected directly to bare metal and not a painted surface.
- ✓ Using a multimeter check that remote terminal has at least 7V DC.
- ✓ Using a multimeter check that there is battery voltage on the positive terminal.
- ✓ Check all fuses.
- ✓ Check that the protection light is not illuminated. If it is lit, shut off the amplifier for thirty seconds and then turn it back on.

Protection LED Illuminates When Amplifier Is Powered Up

- ✓ Check for shorts on all speakers wires. (IE no speaker wires should be joined together and no speaker wires should be touching the cars chassis)
- The amplifier is designed to shut down automatically when the units temperature goes above 80 degrees. If the amplifier feels very hot then this may be the reason for the amplifier not starting.
- Remove the speaker wires and reset the amplifier. If the Protection LED still comes on then the amplifier is faulty. This damage may have been caused by either failure to follow these setup guidelines or abuse.

Amplifier Gets Very Hot

- ✓ Check the minimum speaker impedance for the amplifier is correct.
- ✓ Check for shorts on all speakers wires. (IE no speaker wires should be joined together and no speaker wires should be touching the cars chassis)
- ✓ Check that there is good airflow around the amplifier. In some applications an external fan may be required.

Blown Fuse(s)

- ✓ 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.
- ✓ Ensure that the correct rated fuse is fitted:

VIBE SLICK a4 - 35amp x 3

Distorted Sound

- ✓ Check the gain control is not set at too high a level. If the speakers sound distorted turn the down the gain until the sound is clear.
- ✓ Check that all crossover frequencies are correct. See Setup section for more details.
- ✓ Check for shorts on all speaker wires.
- ✓ Check all speakers are wired correctly. With the correct polarity being observed on each connection.

Specification	
RMS Power @ 13.8v DC	
Power @ 4 Ohms	4 x 150 WRMS
Power @ 2 Ohms stereo	4 x 250 WRMS
Power @ 4 Ohms bridged	2 x 500 WRMS
Minimum speaker impedance	2 Ohms
THD Distortion	0.08%
IMD Distortion	0.08%
Frequency Response	20Hz - 20 KHz
Input Sensitivity	200 mV - 6V
Input Impedence	15K
Signal to Noise Ratio	90 dB
Channel Separation	50 dB
Remote GAIN control	0.25 v - +6V
Crossover Network	
Low pass filter	30 Hz – 300 Hz
Bass Boost	0 dB - +24 Db
High pass filter	50 Hz – 1 KHz
Fuse rating	35A x 3
Size length x width x height	540mm x 245mm x 65 mm



In order to protect your purchase and aid your warrantee please fill in the following form and keep it safe for your future reference:

Model Number:

Serial Number:

Purchased From:

Date of Purchase:

KEEP IT SAFE
Staple your receipt here:

ACCESSORIES

Accessories can be ordered separately from the VIBE website
www.vibeaudio.co.uk

Only available in the UK If out side uk please contact your dealer or distributor from the VIBE website



Flat Y - Interconnect
 Our professional quality full range OCC Y-interconnect guarantees a pure and strong signal. Available in female to male also.

£29.99



GT - 2V Terminal
 Our gold plated binding post speaker terminal is standard issue on all VIBE enclosures, it comes with 5 Allen head screws, a foam gasket and features raised VIBE logo with text.

£5.99



Power 8 Wiring Kit
 This 8 AWG kit includes a 60 amp AGU fuse holder, 5 meter flat power 8supply cable, 5 meter FLAT remote cable, 1 meter ground cable and all the cable terminals required.

£24.99



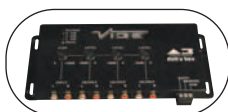
Power 4 Wiring Kit
 This 4 AWG kit includes a 100 amp circuit breaker, 5 meter flat power 4 supply cable, 5 meter FLAT remote cable, 1 meter ground cable and all the cable terminals required.

£49.99



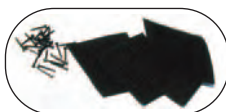
BC10 - Level Controller
 Suitable for all amplifiers, our in dash level controller is easy to fit and enables amplifier gain control from the dash mounted lever.

£24.99



Deltabox Linedriver
 Allows a single stereo output from a conventional head unit to be split three ways without any signal loss.

£99.99



FK-2B Fixing Kit
 To reduce enclosure movement in a carpet lined car boot VIBE recommend this kit. It comes with four industrial Velcro pieces with tac for the bottom of the enclosures.

£3.99



Flat 1
 Dedicated bass RCA interconnect. With ferrite loaded gold plated plugs, interference is greatly reduced and OCC guarantees a pure and strong signal.

£29.99



Flat 2
 RCA's designed for full range signals. With our flat design and ferrite loaded gold plated plugs interference can be greatly reduced.

£24.99



Flat 3
 Professional quality OCC flat design audio interconnect. OCC technology and ferrite loaded gold plated plugs provide reference quality sound with this top of the range cable.

£29.99



Flat 13 (standard cable for any VIBE enclosure)
 This dedicated bass cable has solid cores guaranteeing higher power bass signals. Its flat design guarantees ease of installation.

3 metre £9.99



Flat 16
 High quality multi-strand full range cable. With flat design for easy installation interference can be greatly reduced.

£19.99



Alloy CNC TurboPort
 These exclusive TurboPorts are available in 2.5" and 3" diameter, with either a length of 1.5" or 6" to provide the perfect finishing touch for any custom build.

£16.99 to £19.99



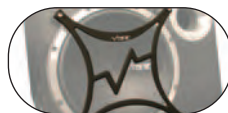
GB - 41 Plus
 Our professional gold plated 4mm banana plugs, are polarity marked with coloured rubber shrouds.

£4.99



Port Plugs
 Port Plugs can be used to tightly seal the port chamber. Use a port plug to either tune a multi ported enclosure to the desired sound or to convert a ported enclosure to a sealed. Available in 2.5" and 3"

£19.99



Subwoofer Defender
 The VIBE chrome subwoofer grill not only provides protection for your sub but also adds style. Available in 10", 12" and 15" versions to fit

10"12" £24.99 15" £29.99



PC10 Power Capacitor
 A 1.0 Farad capacitor designed to deliver maximum power to any bass amplifier.

£129.99



Fleece.
 Our high quality half zip fleece with vibe logo on front and back

£49.99



Polo Shirt
 heavy weight polo shirt with vibe logo available in gray and black

£19.99



Fastplug
 Is a quick release car amplifier to enclosure connector

£14.99

Order online or call sales on 0870 765 8423 .
 All items above come with free next day delivery.

Limited Warranty

All VIBE products carry a full twelve months warranty period, 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 VIBE within seven days of the original purchase date. The original receipt and packaging are should also be retained for this twelve 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 with no items missing.

If the store is unable to fix the product it may have to be returned to VIBE this process takes around 7 working days and no costs will be occurred.

A full description of VIBE's warranty information can be found on our website:

www.vibeaudio.co.uk/warranty

A written version can also be obtained from
VIBE warranty Dept
PO BOX 11000
B75 7WG

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