

INSTRUCTION MANUAL



BlackDeath Bass 2

Model: BLACKDEATHBASS2-V1

www.vibeaudio.co.uk



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.

In the case of the Blackdeath Bass 2 amplifier the peak current draw is **900 amps** which means that the continuous current draw will be around **300 amps**.

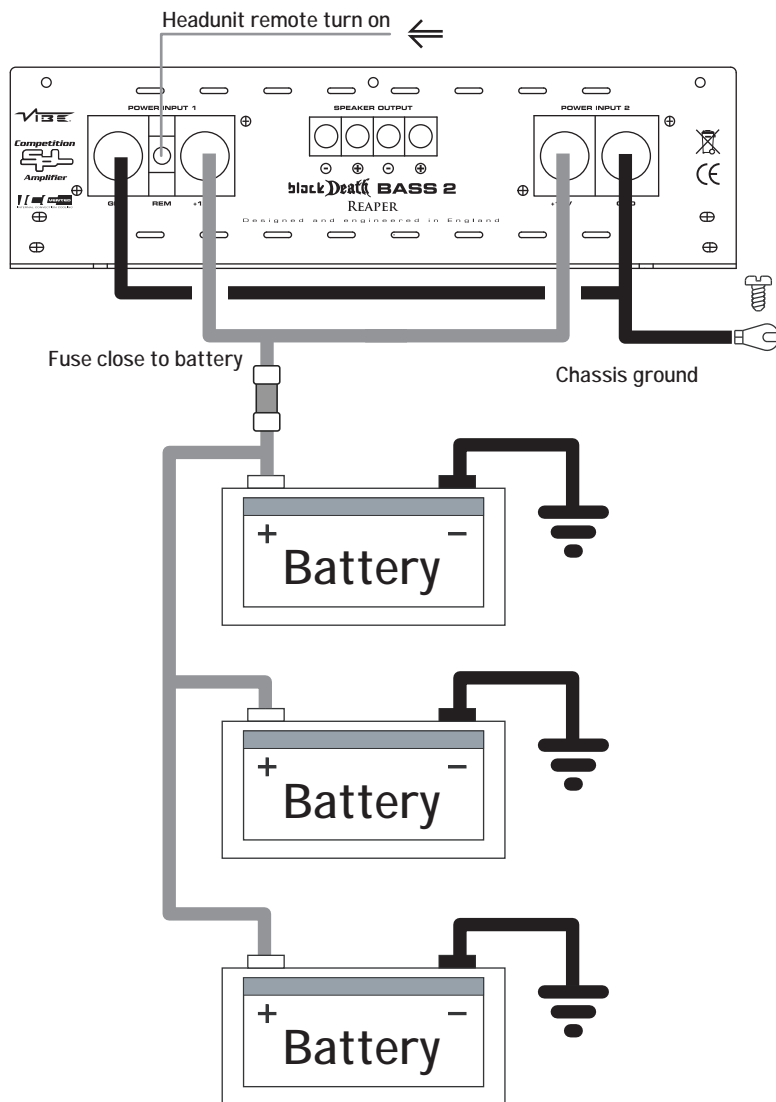
No OEM charging system will cope with the current demand of this BlackDeath bass amplifier. Multiple additional batteries and alternator upgrades will be essential to ensure the correct and reliable operation of this amplifier.

WARNING

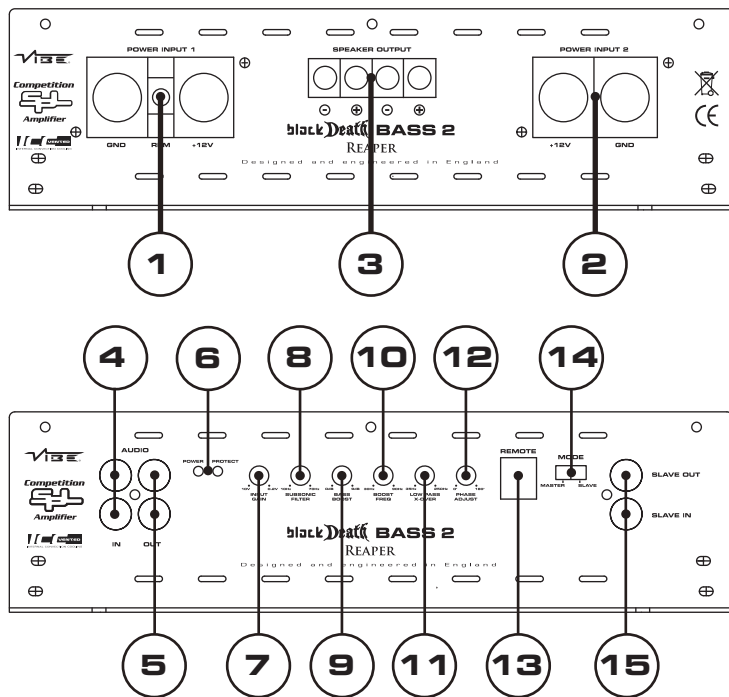
During the normal use of this amplifier the heatsink may become very hot. Please do not touch during or immediately after use.

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.

POWER CONNECTIONS



TERMINALS AND CONNECTIONS



1. Power Input 1

Only 0 gauge cable should be used for the power and ground connection to the amplifier.

The power cable should connect directly to the batteries with a 900 amp fuse inline no further than 18 inches in wire length from the battery and this fuse must be fitted before the power cable enters a bulkhead.

Please ensure that the fuse is not fitted until installation is complete and all wiring is checked.

Rubber grommets must be used when passing the power cable through a bulkhead to prevent the cable becoming chaffed or cut.

The ground cable should be connected directly to the chassis ground of the vehicle and ideally to bare metal.

The ground cable length should be kept to an absolute minimum.

It is not recommended that you connect the ground cable to the vehicles seat belt ancor points.

A minimum of 18 gauge cable should be used for the remote turn on connection.

The cable should be run with the same care and attention as the power cable and use grommets if necessary.

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3. Speaker Output Terminal

For connection to the speakers. See page 8 and 9 for wiring examples.

4. Low Level Input

For connection to any source (head unit) with a low level output. This is your RCA output from the source (headunit)

5. Low Level Output

Used to connect additional amplifiers with RCA input.

6. Power / Protect LED

When the amplifier is operating correctly the green LED will illuminate.

When the amplifier is in protection mode the red LED will illuminate.

7. Gain Control

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

8. Subsonic Filter Control

This control allows the subsonic filter frequency to be set, the filter is adjustable from 10Hz to 70 Hz.

9. Bass Boost level Control

This control provides up to an extra +9 dB of bass boost at the chosen frequency. Use this boost to increase bass output from the amplifier.

10. Bass Boost Frequency Control

This control sets the frequency that will be boosted by the bass boost control, the frequency ranges from 30Hz to 90Hz.

11. Low Pass Crossover Control

This control is used to set the crossover point for the amplifier.

The frequency ranges on the low pass filter are from 35 Hz to 250 Hz.

12. Phase Control

This allows the phase of the amplifier to be adjusted from 0 to 180 degrees.

TERMINALS AND CONTROLS

13. Remote Gain Input Socket

Use to plug in the supplied remote bass level controller.

14. Input Mode Select Switch

Use to select MASTER or SLAVE input mode.

15. Slave Input / Output

RCA input and output connections used for amplifier strapping.

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 (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 subwoofers 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, or your preferred frequency - this is usually about 60 - 120Hz.

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 advice of a professional installation engineer or visit your local VIBE audio dealer.

AMPLIFIER STRAPPING

Two VIBE BlackDeath Bass 2 amplifiers are capable of being strapped together to deliver the combined output of both amplifiers into a single channel.

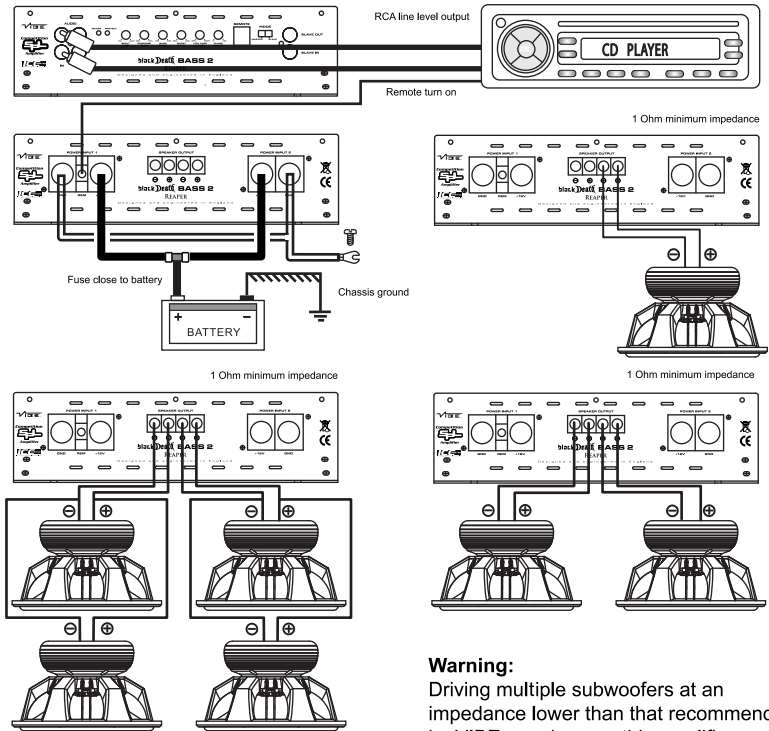
NOTE: only identical amplifiers may be strapped together.

Strapping procedure

- Connect the RCA input from the source unit to the left and right RCA input of the master amplifier.
- Connect a mono RCA lead between the SLAVE OUT output of the master amplifier and the SLAVE IN input.
- Set the input mode switch of the master amplifier to normal.
- Set the input mode switch of the slave amplifier to slave in.
- Connect speaker cable between the negative speaker output of the master amp and the negative speaker output of the slave amplifier. The cable must be of the same gauge you will be using to connect the amplifiers to the subwoofer.
- The master positive speaker output is to be connected to the subwoofer positive terminal.
- The slave positive speaker output is to be connected to the subwoofer negative terminal.

See page 9 for wiring configuration.

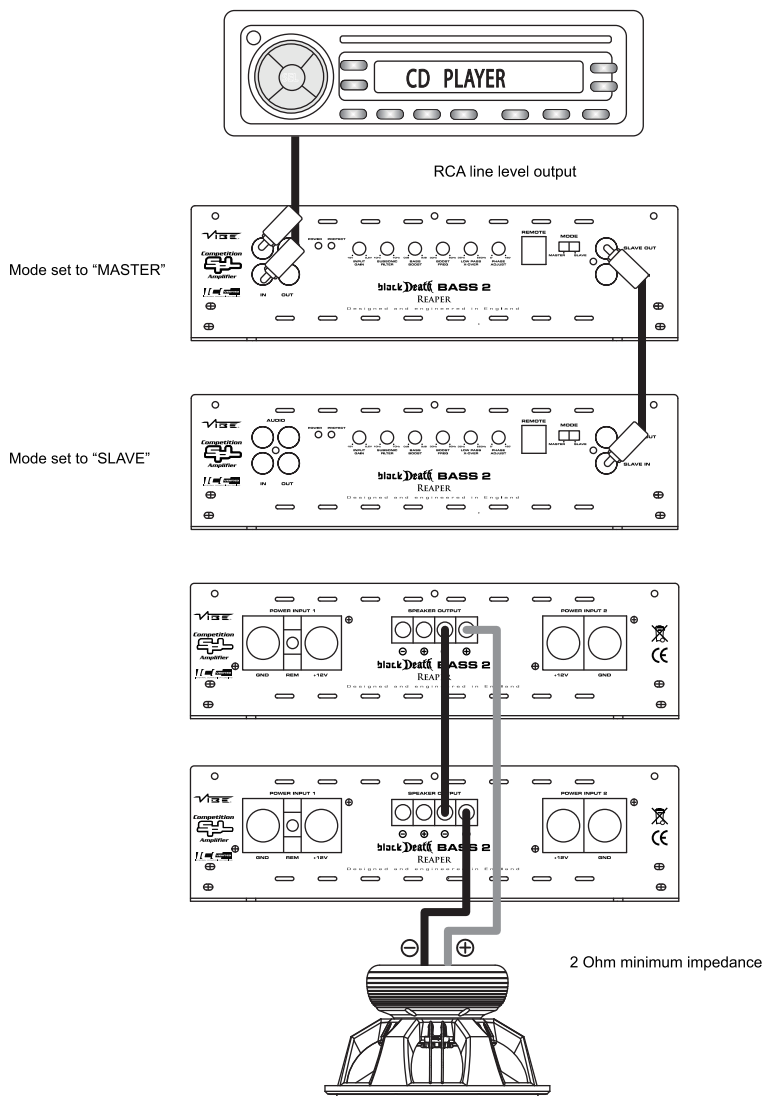
SINGLE AMPLIFIER CONFIGURATION



Warning:

Driving multiple subwoofers at an impedance lower than that recommended by VIBE can damage this amplifier.

STRAPPED AMPLIFIER CONFIGURATION



SPECIFICATIONS

Model:
BLACKDEATHBASS2-V1

Dimensions:
Width: 1000mm (39.4")
Depth: 300mm (11.8")
Height: 75mm (3")

Frequency response:
10Hz - 350Hz

Total harmonic distortion (THD):
1%

Signal to noise ratio (SNR):
>90dB

Input sensitivity:
0.2v - 10v

Technical Enquires
call 09067031420

Calls cost 50p per minute
call costs correct at date of publication (01/05/11)
Hours of business 9.00am - 5.30pm
all calls are recorded for training purposes
MIDBASS Distribution
PO Box 11000
B75 7WG

Configuration	Input Voltage	Impedance	THD	Power Output (RMS)	Current Demand
Single Amplifier	14.4V DC	4 Ohms	1 %	2650 Watts	199 AMPS
Single Amplifier	14.4V DC	2 Ohms	1 %	5200 Watts	373 AMPS
Single Amplifier	14.4V DC	1 Ohms	1 %	9000 Watts	714 AMPS
Single Amplifier	14.4V DC	1 Ohms	10 %	11,250 Watts	892 AMPS
Strapped Pair	14.4V DC	4 Ohms	1 %	10,000 Watts	835 AMPS
Strapped Pair	14.4V DC	2 Ohms	1 %	17,500 Watts	1425 AMPS
Strapped Pair	14.4V DC	2 Ohms	10 %	21,875 Watts	1781 AMPS
Single Amplifier	18.0V DC	4 Ohms	1 %	3200 Watts	184 AMPS
Single Amplifier	18.0V DC	2 Ohms	1 %	6000 Watts	368 AMPS
Single Amplifier	18.0V DC	1 Ohms	1 %	11,600 Watts	796 AMPS
Single Amplifier	18.0V DC	1 Ohms	10 %	14,500 Watts	995 AMPS
Strapped Pair	18.0V DC	4 Ohms	1 %	12,625 Watts	1112 AMPS
Strapped Pair	18.0V DC	2 Ohms	1 %	22,593 Watts	1869 AMPS
Strapped Pair	18.0V DC	2 Ohms	10 %	29,000 Watts	2336 AMPS



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

For more information and to register your warranty online, visit:
www.vibeaudio.co.uk/warranty

MODEL NUMBER:

SERIAL NUMBER:

PURCHASED FROM:

DATE OF PURCHASE:

LIMITED WARRANTY

All VIBE products carry a full 12 months 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 VIBE within seven days of the original purchase date. The original receipt and packaging 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

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 cost of removal 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 authorization number
- Damage to product due to the use of sealant

INTERNATIONAL WARRANTY

Contact your International VIBE audio dealer or distributor concerning specific procedures for your country's warranty policies.

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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C A B L E S & I N T E R C O N N E C T S

The CriticalLink™ range of FLAT series cabling from VIBE

The VIBE CriticalLink range of cabling has been developed to achieve the critical link between source (headunit), amplifier and speakers - VIBE audio equipment is high quality, using anything less than the VIBE CriticalLink™ range of cables will severely compromise your equipment and will not allow it to perform to its maximum potential.

NOTE: Your audio equipment will only ever be as good as the cables you use to connect it. The link between your audio equipment is critical for a bigger cleaner sound.

VIBE cabling and interconnects can enhance your system power and sound quality by more than 20% over other brand cable

For more product info see www.vibeaudio.co.uk/shop



BASS SYSTEM KIT

The VIBE 3000watt BASS KIT is specifically designed to gain maximum output from high power Bass systems. Featuring the best BASS specific cables from the VIBE CriticalLink™ Range.

Contents of this Kit:

FLATINES™ 8AWG PWR Power and Ground cable

FLATBASS™ RCA SolidCore™ Interconnect

FLATBASS™ 13 SPK Bass speaker cable

FLATINES™ remote 18

VIBE 140 amp circuit breaker

All cable is terminated with crimped terminal rings in place and accessory fitting kit.

COMPATIBILITY

This kit is compatible with the majority of amplifiers on the market - VIBE recommends this kit for all VIBE BASS monoblock amplifiers new, current and old models.

Model: Bass Kit - Bass specific amplifier wiring kit.



STEREO SYSTEM KIT

The VIBE 1500 watt STEREO KIT is specifically designed to gain maximum output from high power full range systems. Combining the best full range cables from the VIBE CriticalLink™ range.

Contents of this Kit:

FLATINES™ 8AWG PWR Power and Ground cable

VIBE FLATSTEREO™ RCA - OFC high definition full range interconnect.

FLATINES™ remote 18

FLATSTEREO™ speaker cable

AGU Fuse Holder

All cable is terminated with crimped terminal rings in place and accessory fitting kit.

COMPATIBILITY

This kit is compatible with the majority of amplifiers on the market - VIBE recommends this kit for all VIBE full range STEREO amplifiers new, current and old models.

Model: Stereo Kit - full range stereo amplifier wiring kit.



ACTIVE SYSTEM KIT

The VIBE 1500watt ACTIVE BASS KIT is specifically designed to gain maximum output from high power Active (Bass boxes) systems. Featuring BASS specific components from the VIBE CriticalLink™ range.

Contents of this Kit:

FLATINES™ 8AWG PWR Power and Ground cable

FLATBASS™ RCA SolidCore™ Interconnect

FLATINES™ remote 18

AGU Fuse Holder

FastPlug™

COMPATIBILITY

This kit is compatible with the majority of amplifiers on the market - VIBE recommends this kit for all VIBE active bass enclosures new, current and old models.

Model: Active Kit - Bass specific active enclosure wiring kit.



FAST PLUG

The VIBE FastPlug™ (pat. pending), is a product long overdue. Designed and developed by VIBE Engineers the plug offers safe, fast removal of your active bass enclosure (bass box) or amplifier. You may wish to remove your system for security reasons, or for the full use of your boot space, whatever the reason the VIBE FastPlug makes it easy and safe.

The plug is a heavy duty connector that connects positive, negative and remote wires. It is made up of 2 parts - one end to connect to your equipment and the other to your power source - made from high quality ABS plastic the device is tough and hard wearing. **Model: FASTPLUG**



FLATINES™ Power and Ground Cable

VIBE FlatINES™ power cable has been developed to maximise voltage transfer from battery to amplifier. The cable has 2 main lines running side by side which are made up of the copper strands. The design makes the cable flat allowing us to make very slim heavy duty power cable which is highly flexible easing installation.

Available in system kits, by the roll or by the metre.

Model: FLATINES 8 PWR - 8gauge red power cable. Model: FLATINES 8 GND - 8gauge black power cable.

Model: FLATINES 4 PWR - 4gauge red power cable. Model: FLATINES 4 PWR - 4gauge red power cable.

Model: FLATINES 0 PWR - 0gauge red power cable. Model: FLATINES 0 GND - 0gauge black power cable.



FLATSTEREO™ High Definition full range interconnect.

The VIBE FLATSTEREO RCA is an OFC high definition full range interconnect - delivering the fullest signal possible from source to amplifier - the cable make up has been developed to run flat with left and right cables running parallel both with individual screening but sharing an outer FLAT jacket easing installation.

Available in:

Model: FlatStereo RCA 1m - 1 metre full range interconnect.

Model: FlatStereo RCA 5m - 5 metre full range interconnect.



FLATBASS™ - SolidCore™ Bass interconnect.

The VIBE FLATBASS™ interconnect has been specifically developed for use in BASS SYSTEMS - the cable make up has a unique super-FLAT™ design easing installation - its trick ingredient is oversized SolidCore™ OFC signal wires - allowing a heavier voltage to be passed down the cable. This is the central wire that carries the main signal from source to amplifier.

Available in:

Model: FlatBass RCA 1m - 1 metre BASS interconnect.

Model: FlatBass RCA 5m - 5 metre BASS interconnect.



FLATLEX™ High Definition speaker cable

The delivery of power and signal to the speaker is the final CriticalLink™ in any audio system - VIBE's FlatFlex OFC high definition speaker cable is produced from super fine OFC copper strands collectively picking up all the detail in your music - the multi strands are aligned in a row making the cable super-FLAT™ which can be run invisibly under carpets.

Available in:

Model: FlatFlex 18 SPK - 18 gauge High definition flat flexible speaker cable.

Model: FlatFlex 12 SPK - 12 gauge High definition flat flexible speaker cable.



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