

## Power Amplifier Instruction Manual

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

### OWNERS MANUAL Model: SLICK aO & a1

Congratulations on purchasing your SLICK amplifier Please read this manual in order to fully understand how to get the best results from your amplifier. Please ensure that all advice on how to look after your amplifier is followed.

Thank you for buying VIBE, we hope you enjoy listening to your product as much as we enjoyed creating it.

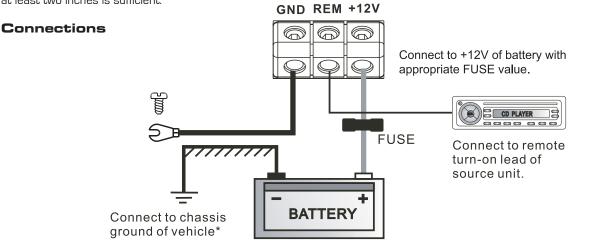
VIBE R&D Division

# CONTENTS

Mounting Guidelines	3
Connections 4,	7
Setup Section	8
Applications	0
Trouble shooting1	1
Specification 14	4
Warranty 14	4
Accessories 15,7	16

#### **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.



#### **Power Cable**

- At least an 10 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 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 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.

Length of Run								
Current demand	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	O	0	0	0
125–150 amps	2	2	2	0	D	0	0	0

AWG to Metric Conversion Chart cross sectional area			
AWG Number	Inch	mm	<sup></sup>
Ω	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 10 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.

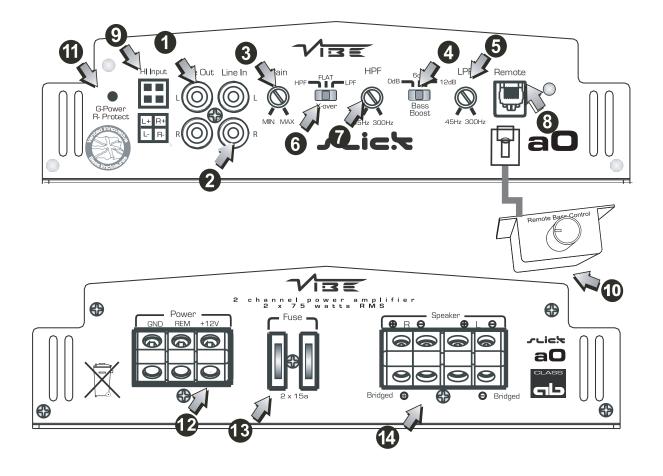
#### Remote Turn On

- 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, to avoid the cable picking up interferance.

#### Connections - SLICK aO



#### Connections - SLICK aO

#### 1. Low Level Output

A daisy chain output For connection to another amplifier with a low level input using only a single RCA output from the source (headunit).

#### 2. Low Level Input

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

#### 3. Gain Control

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

#### 4. Bass Boost Switch

To provide up to an extra +12 dB of bass boost at 45 Hz. Use this boost to Increase bass output from the amplifier.

#### 5. Low pass Crossover Control

The control is used to select the low pass filter frequency. The frequency ranges are from 45 Hz to 300 Hz.

#### 6. crossover control switch

This switch is used to select high pass, low pass or flat (no crossover) operation for the amplifier speaker outputs.

#### 7. High pass Crossover Control

The control is used to select the High pass filter frequency. The frequency ranges are from 45 Hz to 300Hz.

#### 8. Gain Remote Input Jack

Use to plug in the remote bass controller. (optional ) see back

#### 9. 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:

Left Positive - Brown Right Positive - Black

Left Negative - Blue Right Negative - Gree

#### **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. (Optional accesory, see back for details)

#### 11. Indicator LED

When the amplifier is operating correctly the LED will show as green. 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.

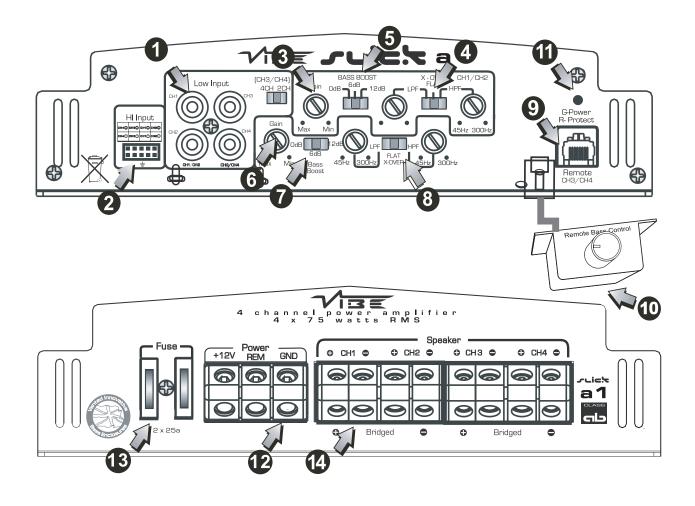
#### 13. Fuses

Please ensure the following fuse rating is used when replacing fuses: 15 amp x 2

#### 14. Speaker Terminal Output

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

Connections · SLICK a1



#### Connections · SLICK a1

#### 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	Right Positive - Black
Left Negative - Blue	Right Negative - Green

#### Rear Speakers

Left Positive - Orange Right Positive - Yellow Left Negative - Grey 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 45 Hz to 300 Hz. The frequency ranges on the high pass filter are from 45 Hz to 300 hz.

#### 5. Front Bass Boost Switch

To provide up to an extra +12 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 +12 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 45 Hz to 300 Hz. The frequency ranges on the high pass filter are from 45 Hz to 300hz.

#### 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. (Optional accessory, see back for details)

#### 11. Indicator LED

When the amplifier is operating correctly the LED will show as green 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: 25 amp x 2

#### 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 ( 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 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 usally about 60 - 120

For a pair of full range speakers it is recommended 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.

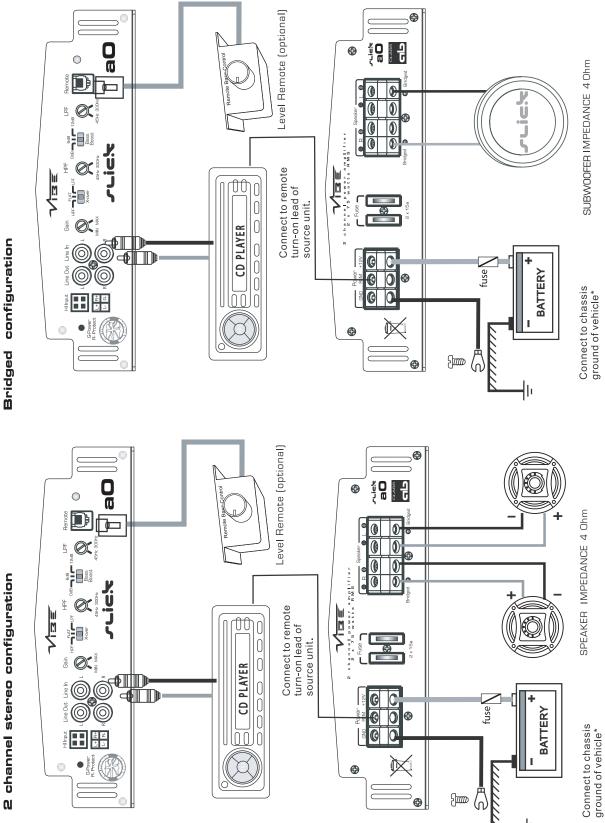
For a pair of speakers with a passive crossover it is recommended that the crossover is set to High Pass and the frequency is set to match that of the speakers specifications. - This is usually about 40 - 120Hz

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

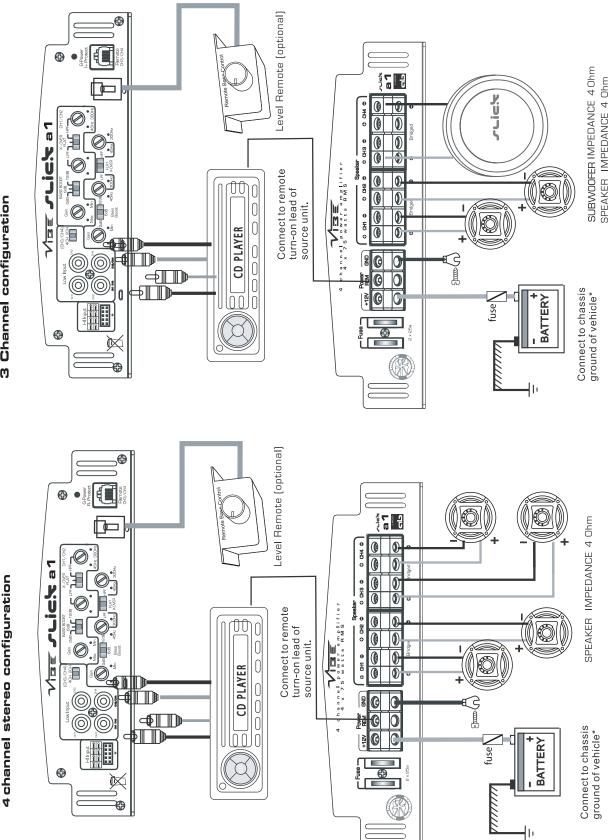
#### Ī k S 0 С a

0



Bridged configuration

ŀ



# **3 Channel configuration**

#### S k 1 С a

## 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 of at least 10.5v DC on the positive terminal.
- Check all fuses.
- Check that the protection light is not illuminated. If it is lit, shut off the amplifier by Disconnecting for thirty seconds and then turning 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.
- $\checkmark$  Check that the positive wire is connected to the positive terminal on the amplifier.
- $\checkmark$  Check that the negative wire is connected to the ground terminal on the amplifier.
- Ensure that the correct rated fuse is fitted:

VIBE SLICK aO -15 amp x 2,

VIBE SLICK a1 -25 amp x 2,

#### **Distorted Sound**

- Check the gain control is not set at too high If the speakers sound distorted turn 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	SLICK aO	SLICK a1
RMS Power @ 13.8v DC		
Power @ 4 Ohms	2 x 75 WRMS	4 x 75 WRMS
Power @ 2 Ohms stereo	2 x 100 WRMS	4 x 100 WRMS
Power @ 4 Ohms bridged	1 x 200 WRMS	2 x 200 WRMS
Minimum speaker impendence	2 Ohm stereo / 4 Ohm bridged	2 Ohm stereo / 4 Ohm bridged
THD Distortion	0.14%	0.14%
IMD Distortion	0.14%	0.14%
Frequency Response	20Hz - 20 Khz	20Hz - 20 Khz
Input Sensitivity	200 mV - 6V	200 mV - 6V
Input Impendence	15K	15K
Signal to Noise Ratio	93 dB	92 dB
Channel Separation	-50 dB	-50 dB
Remote GAIN control	0.25 v - +6V	0.25 v - +6V
Crossover Network		
Low pass filter	45 Hz – 300 Hz	45 Hz – 300 Hz
Bass Boost	0 dB - +12 Db	0 dB - +12 Db
High pass filter	45 Hz – 300 Hz	45 Hz – 300 Hz
Fuse rating	15A x 2	25A x 2
Size length x width x height	380mm x 245mm x 65 mm	430mm x 245mm x 65 mm



KEEP IT SAFE Staple your receipt here:

#### **Limited Warranty**

All VIBE products carry a full twelve months warranty, valid from the date of the original receipt / 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, with proof 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. 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

Technical enquires call 09067031420

call cost 50p per minute call costs correct at date of publication (01/01/07) Hours of business 9.00am - 5.30pm all calls are recorded for training purposes MIDbASS Distribution PO Box 11000 B75 7WG

#### Copyright

All content included in this manual such as text, graphics, logos, icons, images and data, are the property of 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.2008

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 MEPCHANTARINI ITY AND ETNICES FOR A DADTIC III AD DIIPOSE.

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 THE MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE

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,

Except as specifically stated in this manual, to the fullest extent permitted at law, neither vibe nor any or its aniliates, 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.

	FLATBASS™ 13 SPK Bass speaker cable There are many powerful bass amplifiers on today's market – the ever increasing power is putting huge strains on speaker wire – VIBE present a new breed of speaker cable specially developed for BASS applications – the VIBE FLATBASS speaker cable offers SolidCores™ that can handle and sustain considerably more power than conventional speaker cable. Model: FlatBass 13 SPK – 13 gauge SolidCore™ flat BASS speaker cable
	VIBE 140 amp circuit breaker Big systems require big protection – The VIBE circuit breaker is rated at a massive 140 amps and offers critical protection to your system – if the system over powers or short circuits the breaker will cut in and save your equipment. No need to replace expensive fuses, system is reset via a simple switch – also offers safe and instant system shutdown. Model: CB140 – 140 amp circuit breaker
	FLAT Y 2M / FLAT Y 2F RCA Y leads         Our professional quality full range OFC Y-interconnect guarantees a pure and strong signal. With a flat design and ferrite loaded gold plated plugs interference is greatly reduced. The FLAT-Y Interconnect is available in 1 male - 2 female FLAT Y 2F and 2 male - 1 female FLAT Y 2M configurations.         Model: FLAT Y 2f - 1 pair RCA Y lead 1 male to 2 female         Model: FLAT Y 2m - 1 pair RCA Y lead 2 male to 1 female
Nor -	VIBE BC10 level controller The VIBE BC10 gain level controller is a perfect addition to any subwoofer system, the BC10 allows the level of the amplifier to be controlled from the driver's seat giving the user easy adjustment of gain level. Particularly useful for adjusting the gain level for amplifiers controlling subwoofers. The BC10 controller is RCA input and output making it compatible with any system allowing gain level adjustment of any amplifier it is connected to. It can also be used with full range amplifiers. Model: BC10 – RCA Gain level control
	Slick level remote A new addition to the Slick range of amplifiers is the Slick level control which allows level adjustment of the amplifier from the front of the car - Simply plug the supplied cable into the Slick remote level port on the end panel of the amplifier and remote gain control is yours, it is that easy. Model: SLR1 - optional remote for use with all Slick amplifiers
SUNTPLUS TITE	VIBE PortPlug <sup>™</sup> The VIBE PortPlug allows easy tuning of the VIBE CBR bass enclosures. The PortPlug <sup>™</sup> is used to tightly seal the VIBE TurboPort <sup>™</sup> in the enclosure to either create a sealed enclosure for better transient response or in the case of a multi ported enclosure returne the enclosure using only 1 PortPlug <sup>™</sup> Model: PP35 - PortPlug <sup>™</sup> for 2.5" TurboPort <sup>™</sup> Model: PP30 - PortPlug <sup>™</sup> for 3" TurboPort <sup>™</sup>
	VIBE official Merchandise MPS - VIBE polo shirt with embroidered VIBE logo on front and rear MTS - VIBE T-shirt with small VIBE printed logo on front. MCD - VIBE CD, containing exclusive VIBE bass tracks as featured on the Bass Tunnel and VIBE Dredd. MCC - VIBE CD case, metallic silver CD case with VIBE logo. VFL - VIBE fleece with embroidered logo on the front and large on back. VTD - VIBE tax disc holder, stylish silver tax disc holder featuring VIBE logo.
	VIBE SD4/5 subwoofer defender grill The new VIBE subwoofer defender not only provides protection for your sub but also adds style with its metallic badge and black rubberised steel construction allow it to integrate perfectly with the VIBE EVO enclosures Model: SD4 – sub grill fits both 10" and 12" subwoofers Model: SD5 – sub grill fits 15" subwoofers
	VIBE GB41 banana plug The VIBE GB41 banana plugs are the easy and convenient way to quickly remove your bass enclosure without having to constantly re-thread your speaker cable into the box terminal, simply attach the speaker cable to the VIBE GB41 banana plug and you have a reliable quick release solution. Designed for optimum use with the TP-2 and GP-4 terminal, our professional gold plated 4mm banana plugs are polarity marked and feature rubber shrouds. Model: GB41 - Gold Banana plug
	VIBE DB6 non fused distribution block The VIBE DB6 non fused distribution block is a professional non fused distribution block which gives easy connection for up to 5 amplifiers. The VIBE DB6 has 2 x 4AWG input and 4 x 8AWG outputs which can be used for power distribution or ground distribution giving a common grounding point for all system components eliminating the risk of ground loop interference. Model: DB6 non fused distribution block
	VIBE FD4 fused distribution block         The VIBE FD4 fused distribution block is a professional AGU fused distribution block which gives easy connection for up to 4 amplifiers. The VIBE FD4 has 1 x 4AWG input and 4 x 8AWG outputs each individually fused up to a maximum of 80 amps (AGU fuses available separately)         Model: FD4 - 4 way AGU fused distribution block, 1 x 4 gauge input 4 x 8 gauge outputs
	VIBE CTO / CT4 compression fit ring terminal         The VIBE CT range of gold plated ring terminals are professional compression fit designed for maximum conductivity when connecting power cable to the vehicle battery. The VIBE RT compression fit terminals are the best way to connect heavy gauge power cable to the vehicles battery.         Model: CT0 - 0 gauge compression fit ring terminal         Model: CT4 - 4 gauge compression fit ring terminal
	VIBE RT4 / RT8 crimp on ring terminal The professional range of VIBE RT gold plated ring terminals for connecting power cable to the vehicle battery. Packed in pairs and include red and black rubber over boots with are easy crimp design. Model: RT8 – 1 pair of 8 gauge crimp on ring terminals with PVC overboots Model: RT4 – 1 pair of 4 gauge crimp on ring terminals with PVC overboots
	VIBE AGU30, AGU60, AGU80 fuses The VIBE AGU fuse series are the perfect companion to the VIBE FD4 fused distribution block and the Active and stereo system wiring kits. Model: AGU30 - 1 pair G0 amp AGU fuses to fit all AGU fuse holders Model: AGU60 - 1 pair 60 amp AGU fuses to fit all AGU fuse holders Model: AGU80 - 1 pair 80 AGU fuses to fit all AGU fuse holders

All Accessories are available direct, for next day delivery call 0870 765 8423 or vist www.vibeshop.co.uk (UK ONLY)

# For more product info see www.vibeaudio.co.uk



#### 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

All Accessories are available direct, for next day delivery call 0870 765 8423 or vist www.vibeshop.co.uk (UK ONLY)



#### ELATELEX™ High Definition speaker cable

The delivery of power and signal to the speaker is the final CriticalLink<sup>™</sup> in any audio system – VIBES 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.

Model: FlatFlex 16 SPK – 16 gauge High definition flat flexible speaker cable Model: FlatFlex 12 SPK – 12 gauge High definition flat flexible speaker cable