



black box

AMPLIFIERS

Instruction Manual

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

Manuel d'instructions

Afin d'assurer la performance et la sécurité maximale, il est conseillé de consulter les instructions fournies et de garder le carnet même après l'installation pour éviter de futurs problèmes.

Manuale di Istruzione

Per assicurare massime e la sicurezza, si prega di seguire questo manuale.
Si prega di trattenere questi istruzioni dopo l'installazione per il riferimento nel futuro.

Bedienungsanleitung

Um die optimale Leistung und Sicherheit des Gerätes zu erhalten, folgen Sie bitte dieser Bedienungsanleitung! Bitte bewahren Sie die Bedienungsanleitung nach dem Einbau gut auf, um auch in der Zukunft Hinweise nachlesen zu können.

Manual de instrucciones

Para asegurar el buen funcionamiento y la seguridad, por favor, lea las instrucciones. Por favor, guarde el manual para futuras referencias después de la instalación.

VIBE Technologies Ltd (UK)
Tel: +44 (0) 845 601 4507
www.vibeaudio.co.uk
info@vibeaudio.co.uk

TABLE OF CONTENTS

Introduction.....	3
About the Manual and Warranty.....	3
VIBE ICC VENTS.....	3
Recommended Amplifier Installation.....	3
Product Description.....	4
Input Connections and Audio Controls.....	4
Connections for Power and Speakers.....	7
Applications.....	8
Bridged Mono Subwoofer System	8
2-Channel Full-Range, Component or Subwoofer Stereo System	9
Mixed-Mode Component and Subwoofer System.....	10
4-Channel Stereo System.....	13
2-Channel Stereo System with Low-Pass.....	14
2-Channel High Power Systems (Component or Subwoofer).....	15
Mixed-Mode System on Rear; Full-Range Speakers on Front.....	16
Post-Installation.....	18
Setting the Crossover	18
Setting the Bass Enhance.....	18
Final System Checks.....	18
Troubleshooting.....	19
Specifications.....	20

INTRODUCTION

The VIBE BlackBox I, BlackBox II and BlackBox III are full-featured two and four-channel amplifiers incorporating the following features:

- Full frequency response with low distortion and exceptional signal to noise performance
- Advanced circuit design featuring bridgeable and mixed mode operation for use in various systems, including those with component speakers and/or subwoofers
- Variable high-pass/low-pass electronic crossover with a 12dB per octave slope and full adjustable range (from 55Hz to 5.5kHz) to aid in audio system design
- Variable Bass Enhance circuit to reinforce low frequency signals
- Adjustable input level controls with ground loop isolation accepting a wide range of input signals
- Remote turn-on with “soft start” muting to prevent turn on “thump”
- Pulse-Width Modulated (PWM) MOSFET power supply with low AM RFI and protection circuits for overheating and speaker shorts
- 2? load capability to drive a variety of speaker systems
- Gold-plated input/output connectors and an external automotive-type fuse
- Aluminium heat sink for efficient heat dissipation
- Low profile, compact size for space-limited installations

ABOUT THE MANUAL AND WARRANTY

To start enjoying your new VIBE two and four-channel amplifier, please read the instructions listed in this manual. Keep all instructions for future reference. Please fill out and send in the enclosed warranty card to protect your purchase and aid in warranty service. Also, save your original sales receipt as proof of purchase.

VIBE ICC VENTS

The BLACKBOX amplifiers feature an ultra compact low profile design that utilizes ICC (Internal Convection Cooling) Vents. Each MOSFET is individually clamped to the aluminium heat sink allowing maximum heat transfer to be achieved through the internal cooling fins; the ICC vent allows the dissipation of the heat without affecting the superior exterior aesthetics. It is very important not to block or impede the air flow to and from the ICC vents as this may cause the unit to become very hot and go into a protection mode.

DO NOT BLOCK ICC VENTS OR THE AIR-FLOW TO THE ICC VENTS UNDER ANY CIRCUMSTANCES.

RECOMMENDED AMPLIFIER INSTALLATION

To achieve maximum performance and superior sonic quality from your BlackBox amplifier the following points should be followed:

- Mount the amplifier horizontally or vertically - NEVER upside down
- Use VIBE Power 8 supply & ground cable (minimum)
- Use VIBE REMOTE 18 FLAT LINES remote cable
- Use VIBE FLAT2 OFC RCA interconnects
- Use VIBE FLAT13 OFC solid core bass cable for subwoofer applications
- Use VIBE FLAT16 OFC speaker cable for full range applications

PRODUCT DESCRIPTION

The VIBE BlackBox I, BlackBox II and BlackBox III two and four-channel amplifiers provide 2×50 watts, 2×100 watts and 4×100 watts of power into a 4Ω load, and 2×100 watts, 2×200 watts and 4×200 watts of power into a 2Ω load. These full featured models are an excellent choice for a variety of car audio sound system configurations.

The BlackBox I, BlackBox II and BlackBox III use an unregulated MOSFET power supply for superior control of output wattage. A toroid-coil transformer yields maximum power transfer with minimum heat loss. Careful attention to circuit design keeps AM RFI at low levels, so you won't hear unwanted noise when the level is cranked up. Protection circuits safeguard the amplifier when overheating and speaker shorts or improper load conditions occur.

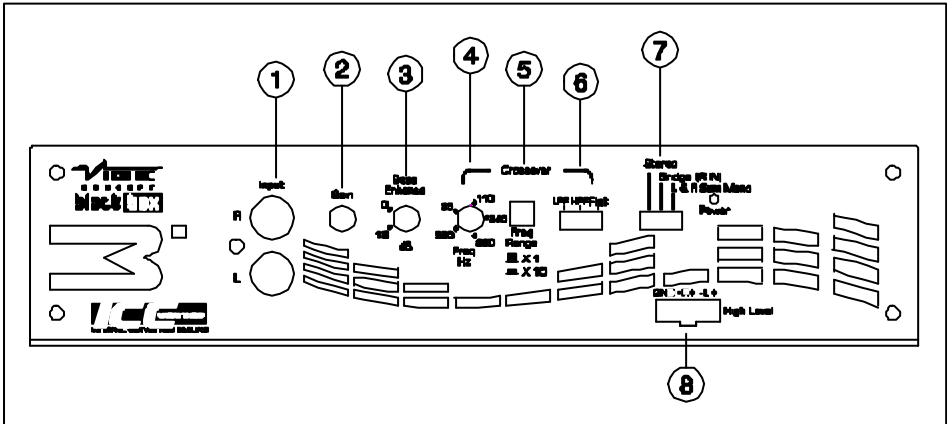
All connections and controls of the BlackBox I, BlackBox II and BlackBox III are on the end panels and are easy to understand. We use gold-plated RCA and barrier connectors to ensure the best electrical connection for your system. Included is an external automotive type fuse that is easy to replace.

INPUT CONNECTIONS AND AUDIO CONTROLS

The front panel of the BlackBox I and BlackBox II (see Figure 1) and the BlackBox III (see Figure 2) contain connections for RCA Inputs, Speaker Level Inputs and Audio Controls as shown on the figures below.

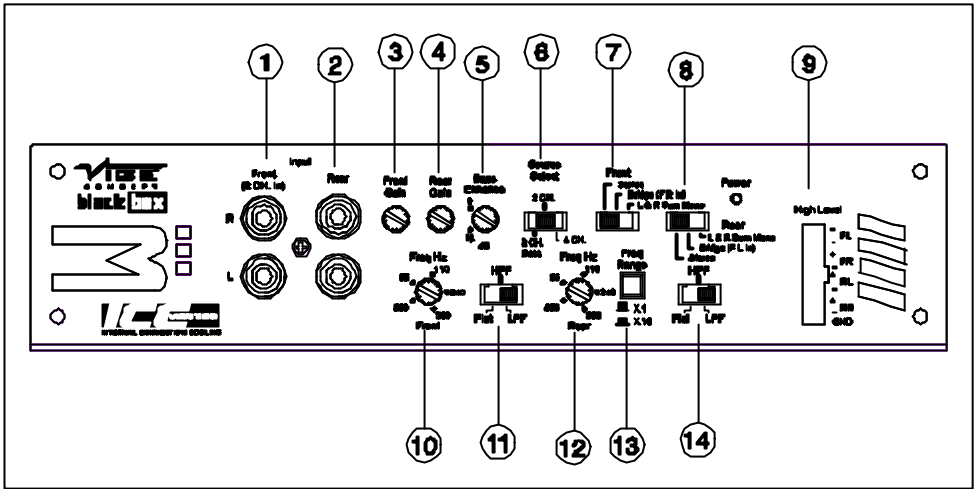
The RCA Input Connections are gold-plated RCA jacks and are labelled as RIGHT and LEFT, FRONT and REAR.

Figure 1: BlackBox I and BlackBox II Front Panel



- | | |
|-------------------------------------|--|
| 1. RCA Input Jacks | 5. Crossover Frequency Multiplier Switch |
| 2. Gain Control | 6. Crossover Mode Switch |
| 3. Bass Enhance Control | 7. Input Select Switch |
| 4. Frequency (Hz) Selection Control | 8. Speaker Level Inputs |

Figure 2: BlackBox III Front Panel



- | | |
|--------------------------------|---------------------------------|
| 1. Front RCA Input Jacks | 8. Rear Input Mode Switch |
| 2. Rear RCA Input Jacks | 9. Speaker Level Inputs |
| 3. Front Gain Control | 10. Front Frequency Control |
| 4. Rear Gain Control | 11. Front Crossover Mode Switch |
| 5. Bass Enhance Control | 12. Rear Frequency Control |
| 6. Rear Channel Input Selector | 13. Multiplier Switch |
| 7. Front Input Mode Switch | 14. Rear Crossover Mode Switch |

Standard Controls

- **Gain Control**
This allows you to set the nominal operating level of the amplifier. The amplifier's range, 250mV to 2.5V for RCA inputs or 500mV to 5V for speaker level inputs, can accommodate input levels from virtually any brand of source unit
- **Bass Enhance Control**
The amplifier also features a "high-Q" (i.e. narrow frequency band) Bass Boost circuit. It acts much like an equaliser, with adjustable gain (from 0 to +18dB) fixed at 45Hz. Use this feature to tune low-frequency audio response of your enclosure. The added boost produces rich, full bass tones that are normally difficult to reproduce in the car audio environment. Note: If Bass Enhance is undesired, set Bass Enhance to 0dB.

High-pass/Low-pass Filter Controls

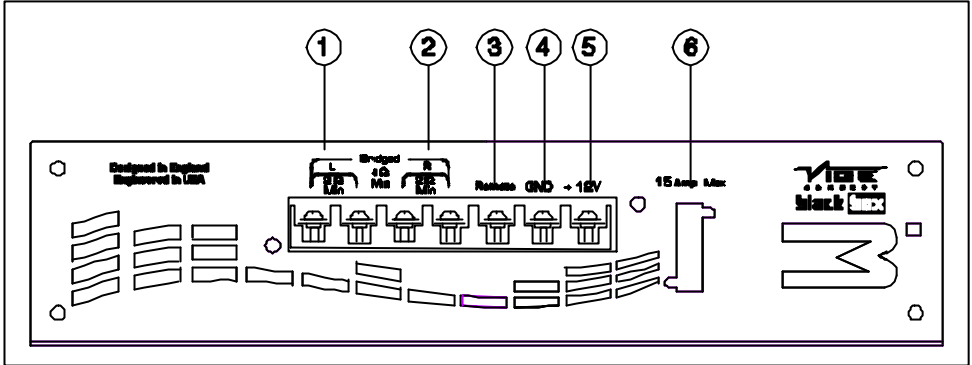
- **Frequency (Hz) Selection Control**
The crossover frequency is fully adjustable between 55Hz and 5500Hz (via the Crossover Frequency Multiplier) for a wide range of crossover points. The BlackBox III front channel crossover frequency is fully adjustable between 55Hz and 550 Hz. Use this feature along with your speaker manufacturer's recommended crossover frequencies, to quickly design a more advanced system (see Applications on page 6,10.)
NOTE: if the Crossover Mode Switch is set to OFF, varying the Freq (Hz) Control will produce no effect

- **Crossover Frequency Multiplier Switch (Rear Channel for BlackBox III)**
When engaged, this switch increases the crossover frequency by a factor of 10. Example: If the Freq (Hz) dial is set for 240 Hz, pushing in the multiplier Switch changes the setting to 2400 Hz.
- **Crossover Mode Switch**
This switch is equipped with a 12dB per octave electronic filter for precise frequency attenuation with minimal phase distortion. The steep crossover slope keeps midrange tones out of the subwoofer and thereby eliminates an unnatural "nasal" tone quality in the audio system. A filter is activated by sliding the Crossover Mode Switch to either LP or HP.
- **Input Mode Switches**
This switch allows you to set the input mode. Stereo input allows full left and right stereo operation. Right (bridged) input allows single channel input for bridged operation. This is especially useful in high powered systems when using one amplifier for each subwoofer/speaker. L + R (sum mono) allows a stereo input to be summed into a mono output.
- **Rear Channel Input Select**
This switch allows you to use a 2 channel input to drive all 4 channels of this amplifier.
- **Speaker Level Inputs**
These provide connections for a high-level stereo source. In addition, these connections are provided for installations where the source unit's RCA outputs are unavailable.
WARNING: When using the speaker (high-level) inputs, the Black wire must be grounded at the Radio. Failure to do this will result in noise and improper operation.

CONNECTIONS FOR POWER AND SPEAKERS

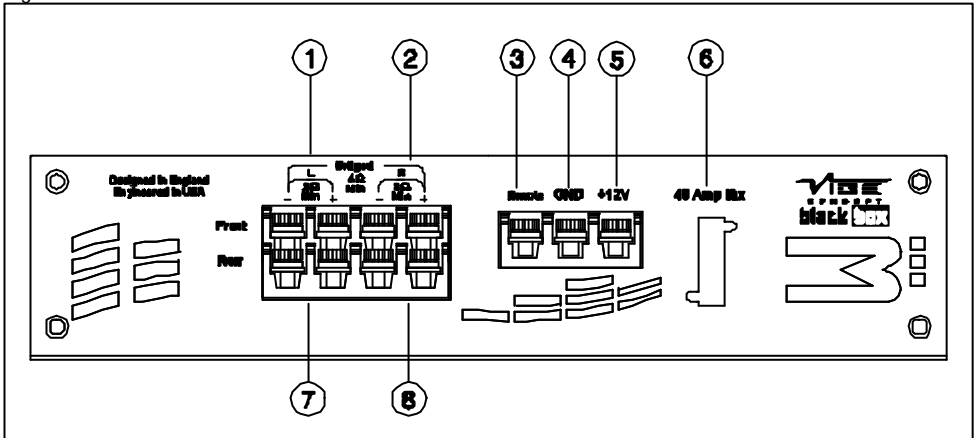
The rear panel of the BlackBox I and BlackBox II (see Figure 3) and the BlackBox III (see

Figure 3: BlackBox I and BlackBox II Rear Panel



- | | |
|-------------------------|-----------------------|
| 1. Left Speaker Output | 4. Ground Input |
| 2. Right Speaker Output | 5. Battery +12V Input |
| 3. Remote Turn-on Input | 6. 15/25/40 Amp Fuse |

Figure 4: BlackBox III Rear Panel



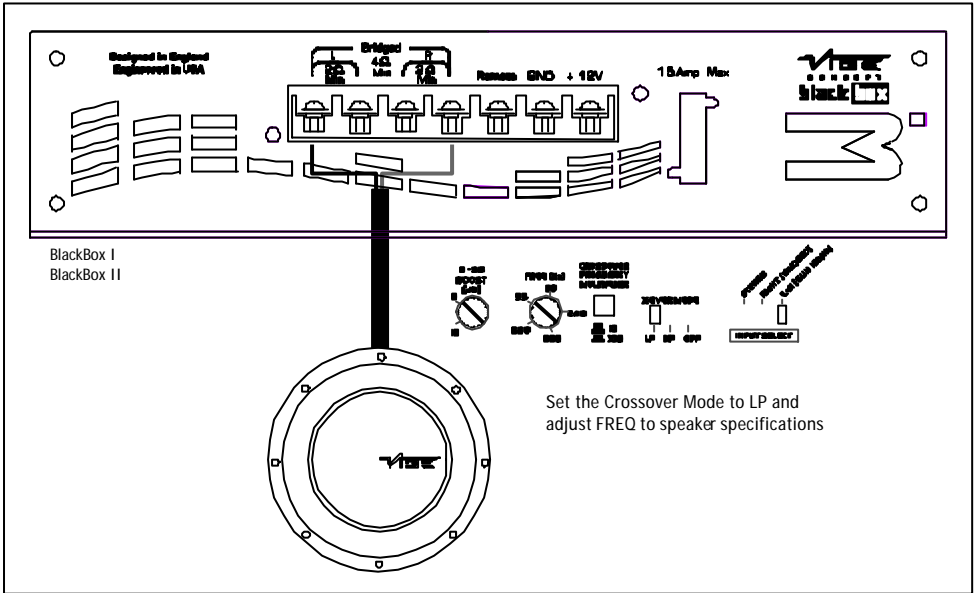
- | | |
|-------------------------------|------------------------------|
| 1. Left Front Speaker Output | 5. Battery +12V Input |
| 2. Right Front Speaker Output | 6. 40 Amp Fuse |
| 3. Remote Turn-on Input | 7. Left Rear Speaker Output |
| 4. Ground Input | 8. Right Rear Speaker Output |

APPLICATIONS

The BlackBox I, BlackBox II (see Figure 5 to Figure 8) and the BlackBox III (see Figure 9 to) 2 and 4-channel car audio amplifiers can be used in a variety of system applications. Here are some examples to help you plan your own installation.

BRIDGED MONO SUBWOOFER SYSTEM

Figure 5: Bridged Mono Subwoofer System Design using BlackBox I or II

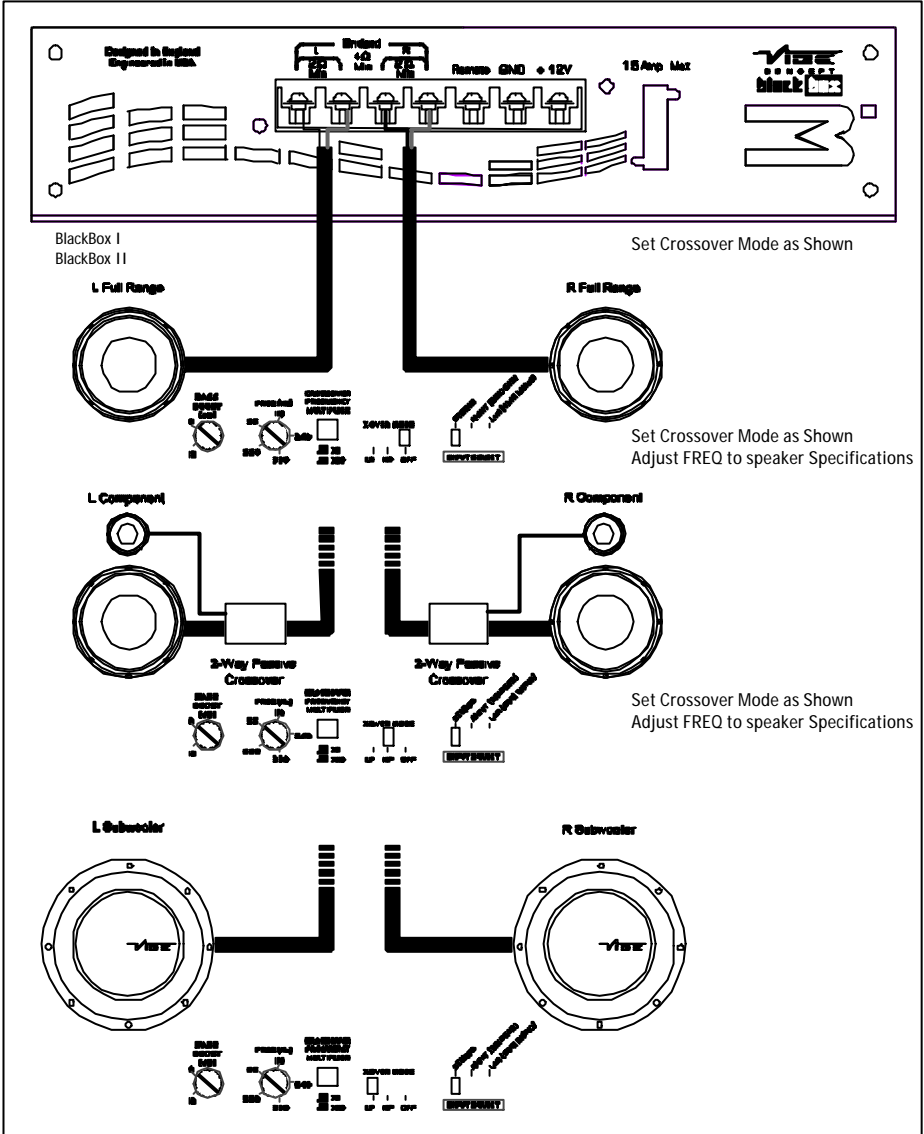


In this application, the amplifier is bridged for mono operation to drive a subwoofer.

2-CHANNEL FULL-RANGE, COMPONENT OR SUBWOOFER STEREO SYSTEM

Set INPUT SELECT switch to STEREO

Figure 6: 2-Channel Full-Range, Component or Subwoofer Stereo System Design using BlackBox I or II



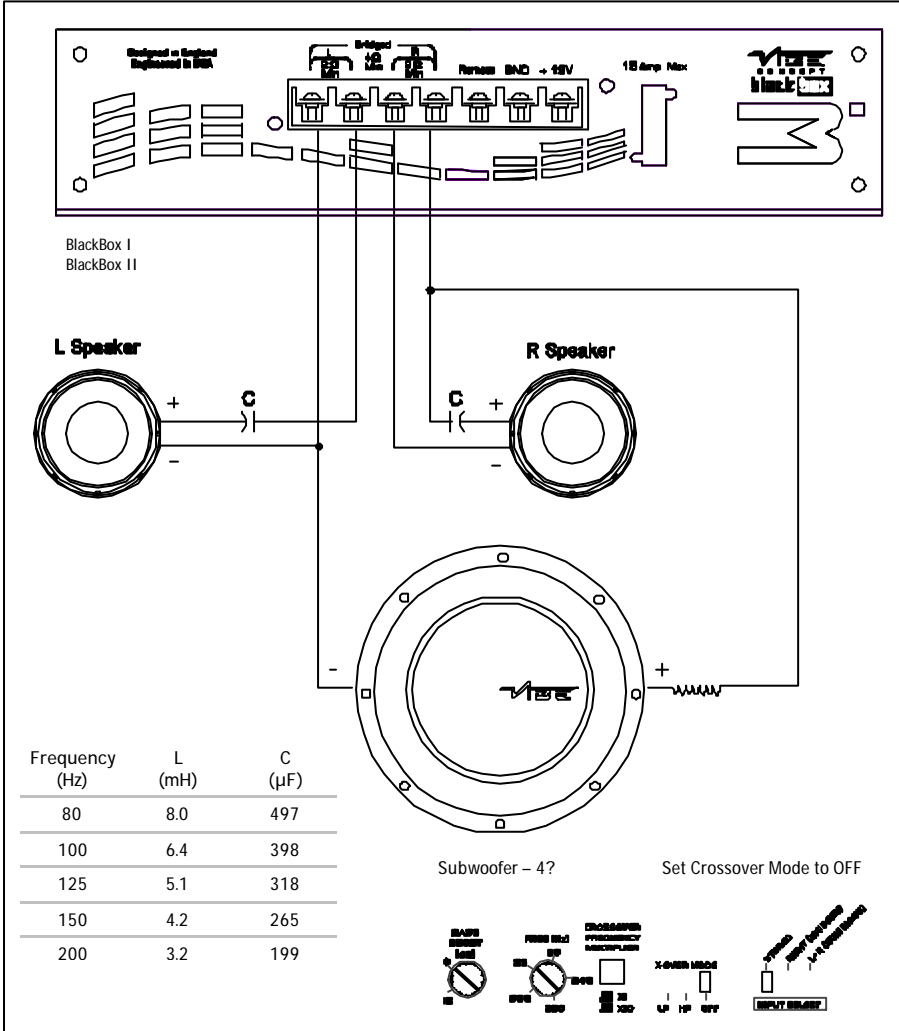
In this application, the amplifier is used in Stereo and drives two full-range (or component or subwoofer) speakers.

NOTE: A passive crossover must be used with component speakers.

MIXED-MODE COMPONENT AND SUBWOOFER SYSTEM

Set INPUT SELECT switch to STEREO

Figure 7: Mixed Mode Operation System Design



NOTE: Chart values are based on 4? speakers

The amplifier can be configured for a mixed-mode operation. The table provides component values to create a 6dB per octave crossover at specified frequencies. Use components that have a ±5% tolerance and capacitors rated at 100V.

NOTE: Choose the SAME frequency for both LP and HP crossovers and DO NOT overlap frequencies as this may damage the amplifier

Figure 8: Electrical Connections for the BlackBox I or BlackBox II

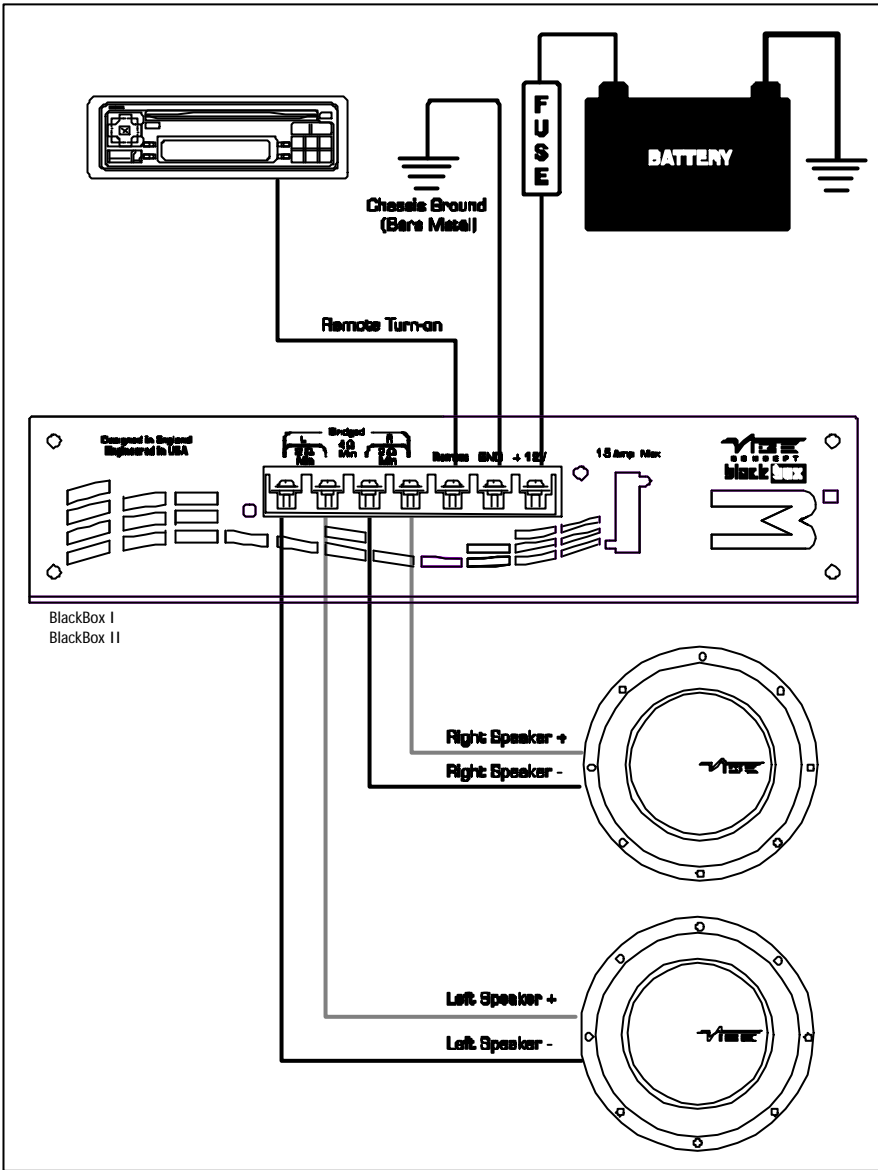
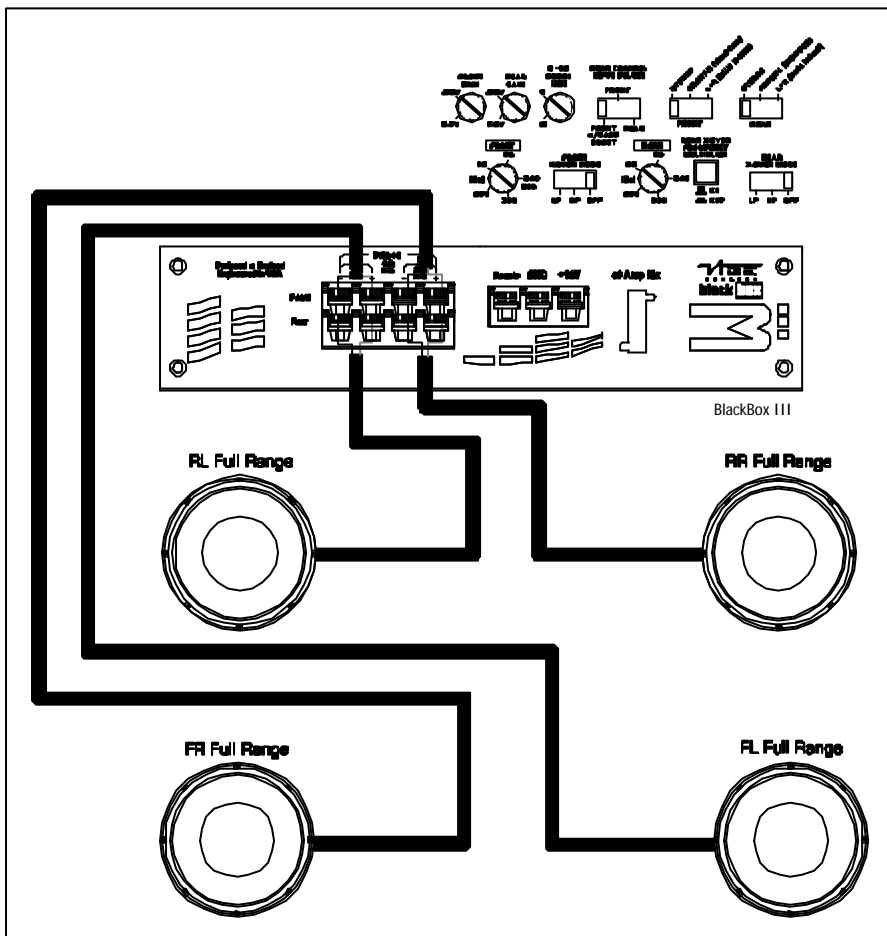


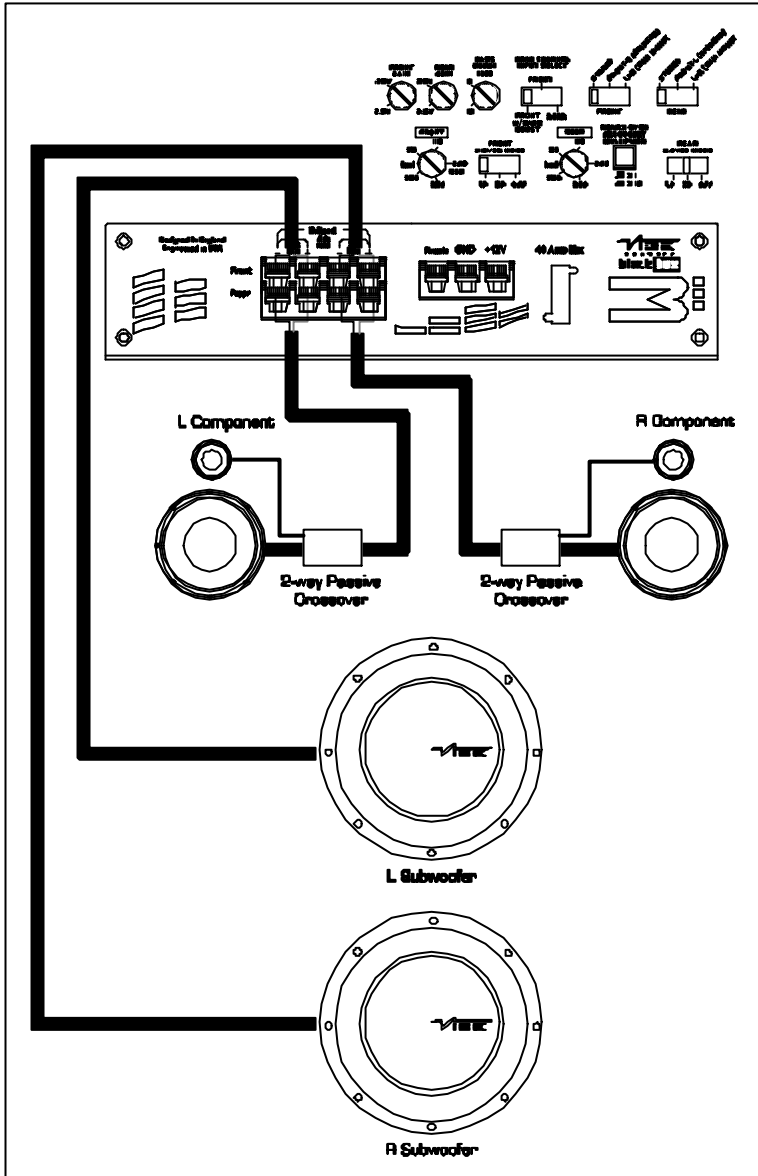
Figure 9: BlackBox III used as a 4-channel amplifier driving four full-range speakers in stereo



4-CHANNEL STEREO SYSTEM

2-Channel High-Pass, 2-Channel Low-Pass

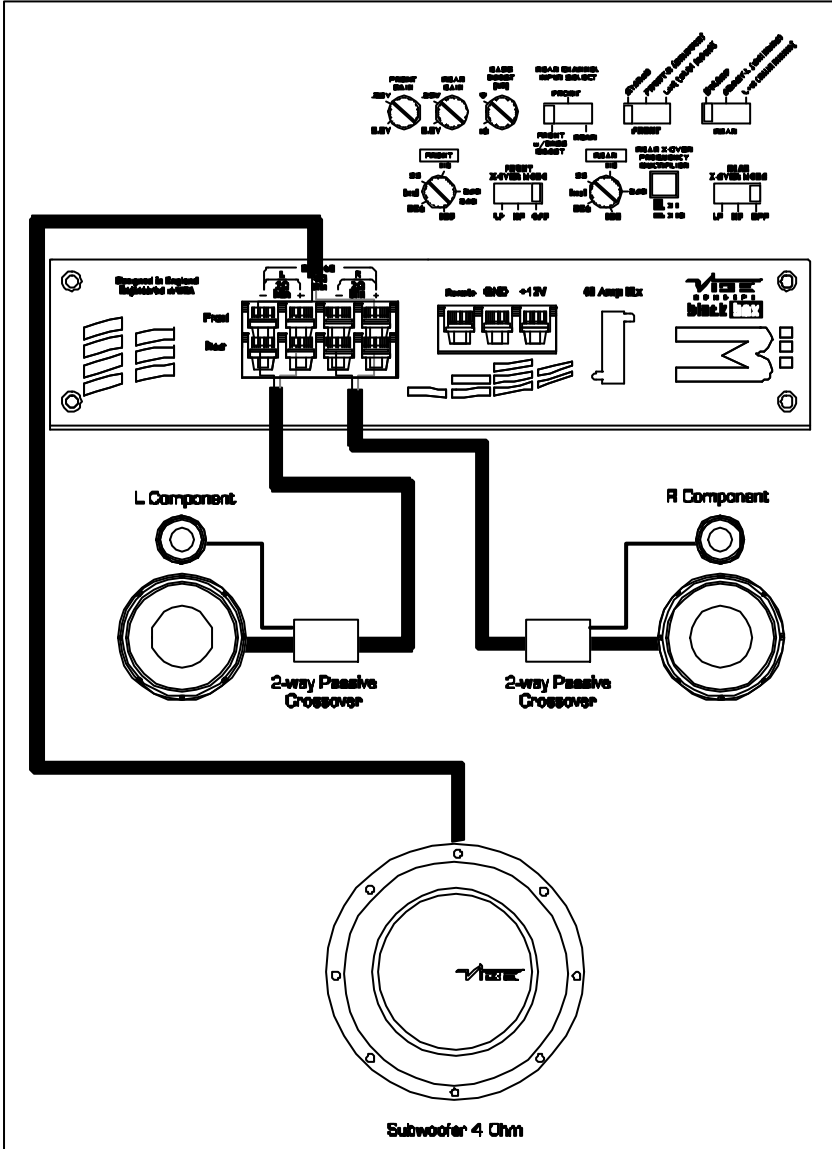
Figure 10: A BlackBox III driving a pair of stereo component speakers and a pair of subwoofers in a 4-channel system. Note the filter settings.



2-CHANNEL STEREO SYSTEM WITH LOW-PASS

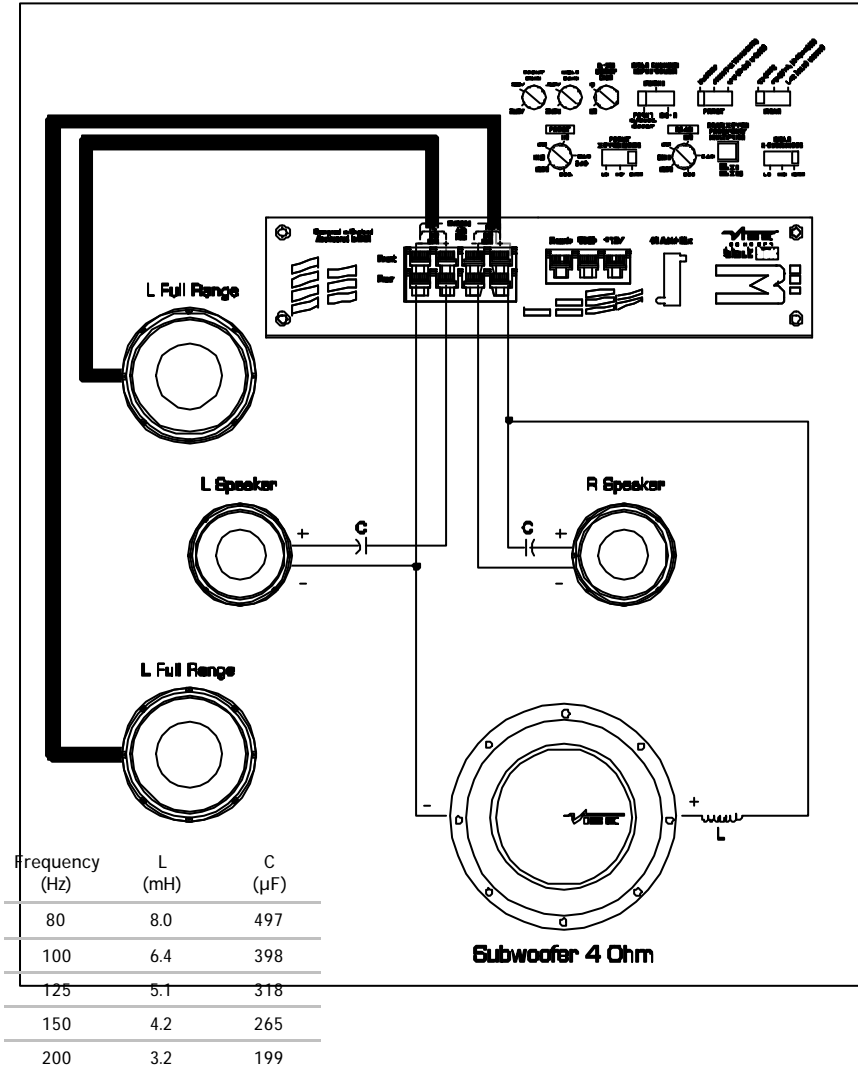
Bridged Mono Channel

Figure 11: The BlackBox III can also be used to drive a pair of stereo component speakers and a single mono subwoofer. Note the filter settings.



MIXED-MODE SYSTEM ON REAR; FULL-RANGE SPEAKERS ON FRONT

Figure 13: Mixed Mode System Design based on BlackBox III

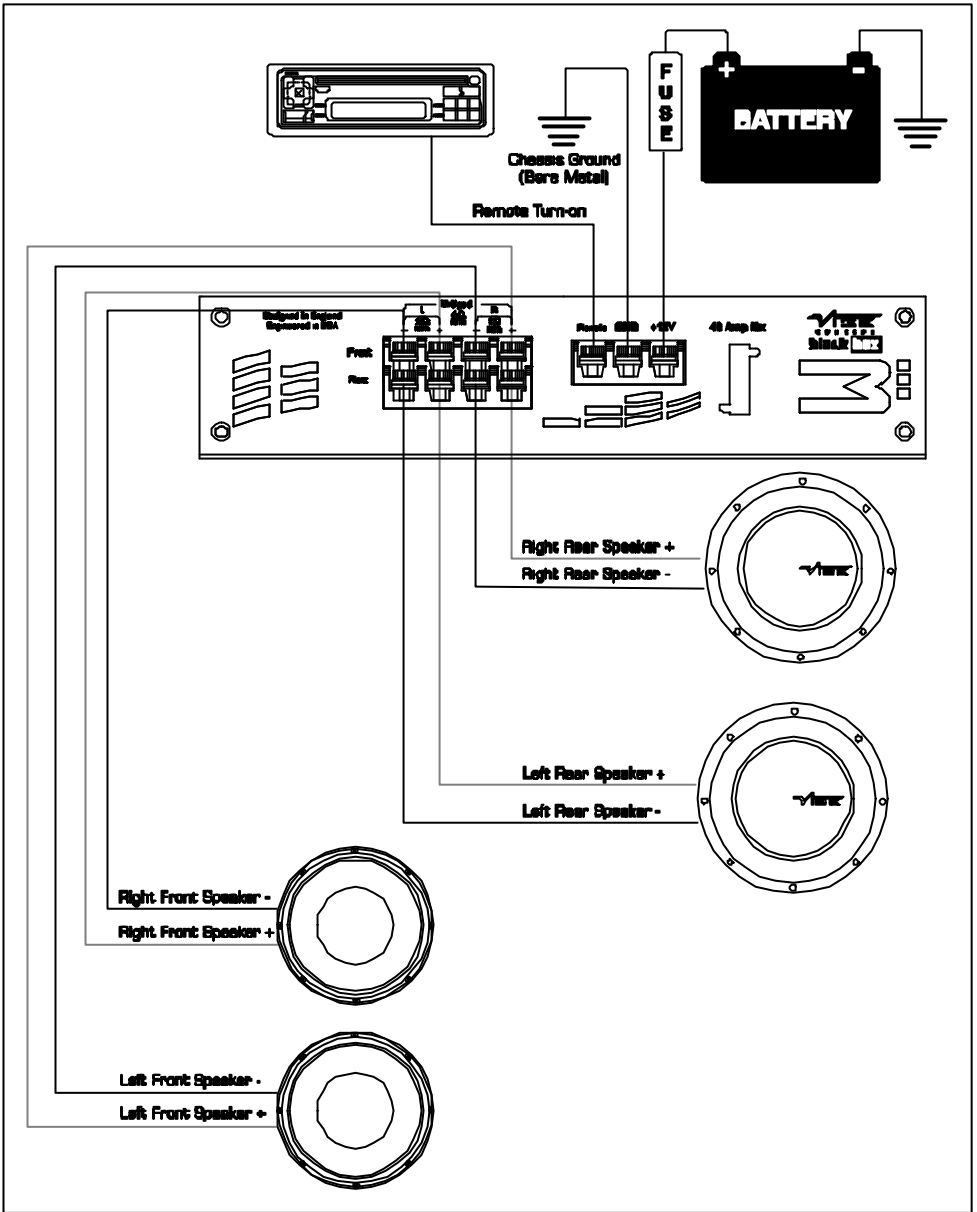


NOTE: Chart values are based on 4 Ω speakers

The amplifier can be configured for a mixed-mode operation on either channels 1/2 or 3/4 amplifier sections. The table provides component values to create a 6dB per octave crossover at specified frequencies. Use components that have a $\pm 5\%$ tolerance and capacitors rated at 100V.

NOTE: Choose the SAME frequency for both LP and HP crossovers and DO NOT overlap frequencies, as this may damage the amplifier

Figure 14: Electrical connections for the BlackBox III



POST-INSTALLATION

After completing the installation, follow these steps to set the Gain Control and then perform the Final System Checks.

1. Turn the Gain Control all the way counter-clockwise
2. Turn the vehicle's ignition switch to the ON position, and then turn the ON/OFF switch on the source unit(s) to the ON position. Set all Tone or Equalisation controls to "flat" positions, and turn Loudness off
3. Play your music source unit and set the Volume Control at 75% of full level. If the system uses an equaliser, set its frequency controls to "flat" positions
4. Slowly increase the Gain Control. Stop when you hear a slight distortion of audio

SETTING THE CROSSOVER

The VIBE BlackBox I and BlackBox II feature a fully adjustable crossover. The VIBE BlackBox III features fully adjustable front and rear crossovers.

To set the crossover, follow these steps:

1. Using the Crossover Mode switch, select the desired mode – LP for Low Pass, HP for High Pass or OFF for Full Range
2. Using the Frequency (Hz) Control, select the desired frequency. If the desired frequency exceeds the range of the Frequency (Hz) Control, press the Crossover Frequency Multiplier Switch to increase the value by a multiplier of 10

For Example: $5.5\text{Hz} \times 10 = 550\text{Hz}$ – or – $550\text{Hz} \times 10 = 5.5\text{kHz}$

SETTING THE BASS ENHANCE

1. Initially set the Bass Enhance control to its full left position (0dB)
2. Listen to a variety of music styles (e.g. Dance, Rap, Garage etc.) and slowly increase the Bass Enhance control until a noticeable increase in low bass response is perceived
3. Slowly adjust the Bass Enhance control (up or Down) to realise the best bass response

CAUTION: If you hear a "pop" (due to speaker over -excursion) you should lower the Bass Enhance immediately to prevent speaker damage. If the system sounds muddy and distorted (due to amplifier clipping) lower the Bass Enhance to avoid shutdown from overheating.

FINAL SYSTEM CHECKS

1. Start the engine and turn on the source unit. After a two -second delay, slowly increase the Volume Control and listen to the audio. If you hear any noise, static, distortion or no sound at all, check the connections, and also refer to Troubleshooting. Depending on your system design, the levels may become quite loud even at low Volume Control settings. Until you get an "audio feel" of the system's power, use care when adjusting controls.
2. Turn the Balance Controls to their extreme positions and listen to the results. Audio imaging should match control settings (audio from the left speaker when balance is left).
3. Increase the volume and verify that the amplifier reproduces audio (at full frequencies) without distortion. If you hear distortion, check the connections and verify that the Gain Control is set correctly. Another possibility is damaged speakers or under-powered speakers. Once again refer to Troubleshooting for additional help.

TROUBLESHOOTING

Problem:

No Audio

Solution:

- Low or no remote turn-on voltage – check remote connections at amplifier and source unit
 - Blown amplifier fuse – replace with new fast-blow fuse (same rating)
 - Power wires not connected – check battery and ground wiring at amplifier, and also check battery connections
 - Speaker leads shorted – check speaker continuity to ground – it should not show a common ground
 - Speakers not connected or are blown – check speaker connections at amplifier, measure coil impedance
-

Problem:

Audio cycles on and off

Solution:

- Thermal protection circuits are shutting the amplifier off – check location for adequate ventilation; consult an authorised VIBE Audio Dealer
-

Problem:

Distorted Audio

Solution:

- Gain is not set properly, or damaged speaker cones – review setting gain; inspect each speaker cone for signs of damage (i.e. frozen cone, burning smell etc.)
-

Problem:

Audio lacks punch

Solution:

- Speakers wired incorrectly, causing cancellation of bass frequencies – check polarity of wires from amplifier to each speaker as defined by the system design
-

Problem:

Amplifier fuse keeps blowing

Solution:

- Incorrect wiring or short circuit – review installation and check all wiring connections
-

Problem:

Whining or ticking noise in the audio with engine on

Solution:

- Amplifier is picking up alternator noise or radiated noise. Turn down input gain; move audio cables away from power wires. Check power and ground connections on amplifier – install an in-line noise filter on source unit's power wire. Check alternator and/or voltage regulator – test for weak battery or add water to battery

SPECIFICATIONS

	BlackBox I	BlackBox II	BlackBox III
Frequency Response	20Hz – 20kHz	20Hz – 20kHz	20Hz – 20kHz
Signal Noise Ratio	> 100dB	> 98dB	> 95dB
THD	0.05% all channels driven	0.05% all channels driven	0.05% all channels driven
Input Sensitivity Low Level	250mV ~ 5V	250mV ~ 5V	250mV ~ 5V
Input Sensitivity Speaker Level	500mV – 5V	500mV – 5V	500mV – 5V
Maximum Power Output	200W (2 × 100W)	400W (2 × 200W)	800W (4 × 200W)
Continuous Power Output	100W (2 × 50W) @ 0.04% THD	200W (2 × 100W) @ 0.04% THD	400W (4 × 100W) @ 0.04% THD
2? Stereo Output	2 × 100W @ 0.05% THD	2 × 200W @ 0.05% THD	4 × 200W @ 0.05% THD
Bridged Power	1 × 150W @ 0.05% THD	1 × 300W @ 0.05% THD	2 × 300W @ 0.05% THD
Dimensions	224mm × 177mm × 50mm	224mm × 222mm × 50mm	224mm × mm × 50mm
Current Consumption at Max Power	19A @ 150W	28A @ 300W	46A @ 400W

ENGLISH

Copyright

All content included in this manual such as text, graphics, logos, icons, images and data, is the property of VIBE Technologies Ltd. and is protected by United Kingdom and International copyright laws.

Trademarks

VIBE, Turbo Port, Pressure Board, Super Driver, VIBE Pulse, VIBE Power, VIBE Digital, VP1, VP2, VP3, VP4, VIBE MAG Plugs, Ferrite Loaded, VIBE Solid Core, VIBE OCC, VIBE FLAT, BlackAir, BlackBox and ICC 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.

DISCLAIMER

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 RECOMMENDS CAUTION WHEN LISTENING TO MUSIC REPRODUCED THROUGH VIBE EQUIPMENT. VIBE EQUIPMENT IS CAPABLE OF PRODUCING SOUND AND SOUND PRESSURE LEVELS THAT MAY 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.

FRANÇAIS

Droits d'auteur

Tout le contenu de ce manuel tel que texte, graphiques, logos, icônes, images et données sont la propriété de VIBE Technologies Ltd. et sont protégés par la loi britannique et internationale sur les droits d'auteur. La compilation du contenu de ce manuel est la propriété exclusive de VIBE et est protégée par la loi britannique et internationale sur les droits d'auteur.

Marques déposées

Les marques VIBE, Turbo Port, Pressure Board, Super Driver, VIBE Pulse, VIBE Power, VIBE Digital, VP1, VP2, VP3, VP4, VIBE MAG Plugs, Ferrite Loaded, VIBE Solid Core, VIBE OCC, VIBE FLAT, BlackAir, BlackBox et ICC sont toutes des marques déposées de VIBE. Les graphiques et logos sont des marques déposées ou de présentation de VIBE Technologies Ltd ou de ses filiales. Les marques déposées et de présentation de VIBE ne peuvent être utilisées en association avec des produits ou des services n'appartenant pas à VIBE ou de sorte qu'il puisse y avoir confusion de la part des clients ou qui puisse dénigrer ou discrediter VIBE de quelque façon que ce soit. Toutes les marques de fabrique qui ne sont pas la propriété de VIBE ou de ses filiales figurent sur ce site sous la propriété de leurs propriétaires respectifs, qui peuvent être ou ne pas être affiliés, liés ou commandités par VIBE ou par ses filiales.

DÉNI DE RESPONSABILITÉ

VIBE N'OFFRE AUCUNE REPRÉSENTATION NI GARANTIE QUANT À L'EXHAUSTIVITÉ OU À L'ACTUALITÉ DES INFORMATIONS FIGURANT DANS CE MANUEL. TOUTES LES SPÉCIFICATIONS ET INFORMATIONS CONTENUES DANS CE MANUEL SONT SUJETTES À MODIFICATIONS SANS PRÉAVIS. VIBE VOUS RECOMMANDE DE FAIRE PRÉLÈVE DE PRUDENCE EN ÉCOUTANT DE LA MUSIQUE REPRODUITE AVEC UN APPAREIL VIBE. LES APPAREILS VIBE SONT CAPABLES DE PRODUIRE DES NIVEAUX DE PRESSION SONORE QUI PEUVENT CAUSER DES DOMMAGES IRRÉVERSIBLES À VOTRE SENS DE L'OÛIE OU À CELUI DES AUTRES. POUR JOINDRE LE PLAISIR D'ÉCOUTER LA SÉCURITÉ, LE SON PEUT ÊTRE RÉGLÉ À UN VOLUME COMFORTABLE TOUT EN RESTANT LIMPE ET SANS AUCUNE DISTORSION. L'UTILISATION D'UN APPAREIL VIBE, QUEL QU'IL SOIT, CONSTITUE L'ACCEPTATION DE TOUTE LA RESPONSABILITÉ À L'ÉGARD DE VOTRE PROPRE SÉCURITÉ ET DE CELLE DES AUTRES LORSQUE VOUS ÉCOUTEZ DE LA MUSIQUE À UN VOLUME SONORE ÉLEVÉ AVEC UN APPAREIL DE VOTRE ACQUISITION. L'UTILISATION D'UN APPAREIL VIBE QUEL QU'IL SOIT, CONSTITUE L'ACCEPTATION DES DISPOSITIONS DE CE DÉNI DE RESPONSABILITÉ.

ITALIANO

Copyright

L'intero contenuto di questo manuale, come per esempio i testi, la grafica, i logotipi, le icone, le immagini e i dati, è di proprietà di VIBE Technologies Ltd. ed è protetto dalle leggi internazionali ed el Regno Unito sui diritti d'autore. L'organizzazione di tutto il materiale contenuto nel manuale è proprietà esclusiva di VIBE ed è protetto dalle leggi internazionali e del Regno Unito sui diritti d'autore.

Marchi depositati

VIBE, Turbo Port, PressureBoard, Super Driver, VIBE Pulse, VIBE Power, VIBE Digital, VP1, VP2, VP3, VP4, VIBE MAG Plugs, VIBE MAG Plugs, Ferrite Loaded, VIBE Solid Core, VIBE OCC, VIBE FLAT, BlackAir, BlackBox e ICC sono tutti marchi depositati di VIBE. Grafica, logotipi, sono marchi registrati o immagine aziendale di VIBE Technologie Ltd o delle sue controllate. È vietato utilizzare i marchi registrati e l'immagine aziendale di VIBE per prodotti o servizi che non siano di VIBE, onde evitare di creare situazioni fuorvianti per i clienti o di danneggiare o screditare VIBE. Tutti gli altri marchi depositati non di proprietà di VIBE o delle sue consociate che compaiono in questo sito appartengono ai rispettivi proprietari, che possono essere consociati, collegati a, o sponsorizzati da VIBE o dalle sue controllate o meno.

ESONERO DA RESPONSABILITÀ

VIBE NON RILASCIÀ DICHIARAZIONI O GARANZIE SULLA COMPLETEZZA O SULL'AGGIORNAMENTO DELLE INFORMAZIONI CONTENUTE NEL PRESENTE MANUALE. TUTTI I DATI TECNICI E LE INFORMAZIONI CONTENUTE NEL PRESENTE MANUALE POSSONO ESSERE MODIFICATI SENZA PREAVVISO. VIBE SUGGERISCE PRUDENZA DURANTE L'ASCOLTO DI MUSICA RIPRODOTTA CON ATTREZZATURA VIBE. LE ATTREZZATURE VIBE SONO IN GRADO DI RIPRODURRE LIVELLI DI PRESSIONE SONORA TALI DA DETERMINARE DANNI PERMANENTI ALL'UDITO. PER UN ASCOLTO PIACEVOLE E SICURO, IL SUONO DEVE ESSERE CHIARO E SENZA DISTORSIONI AL GIUSTO VOLUME. NELL'UTILIZZARE QUALSIASI APPARECCHIO VIBE, L'UTENTE SI ASSUME LA PIENA RESPONSABILITÀ DELLA SICUREZZA PROPRIA E DEGLI ALTRI DURANTE L'ASCOLTO DELLA MUSICA A VOLUME ALTO CON I SISTEMI ACQUISTATI. L'UTILIZZO DI QUALSIASI SISTEMA VIBE IMPLICA L'ACCETTAZIONE DEL PRESENTE.

DEUTSCH

Copyright-Vermerk

Samtliche Inhalte dieses Handbuchs wie Text, Grafiken, Firmenzeichen, Symbole, Bilder, Daten sind Eigentum von VIBE Technologies Ltd. und sind durch das Urheberrechtsgesetz Großbritanniens und die internationalen Urheberrechtsabkommen geschützt. Die in diesem Handbuch erfolgte Zusammenstellung von Inhalten ist ausschließliches Eigentum von VIBE und ist durch das Urheberrechtsgesetz Großbritanniens und die internationalen Urheberrechtsabkommen geschützt.

Warenzeichen

VIBE, Turbo Port, Pressure Board, Super Driver, VIBE Pulse, VIBE Power, VIBE Digital, VP1, VP2, VP3, VP4, VIBE MAG Plugs, Ferrite Loaded, VIBE SolidCore, VIBE OCC, VIBE FLAT, BlackAir, BlackBox und ICC sind Warenzeichen von VIBE. Die Grafiken und Firmenzeichen sind Warenzeichen bzw. Handelsformen von VIBE Technologies bzw. seinen Tochtergesellschaften. Die Verwendung der Warenzeichen und Handelsformen von VIBE in Zusammenhang mit Produkten oder Dienstleistungen, die nicht zu VIBE gehören, welche dazu führen könnte, dass bei den Kunden Verwirrung entsteht oder die VIBE in irgendeiner Art herabsetzt oder in Misskredit bringt, ist unzulässig. Alle sonstigen Warenzeichen auf unserer Webseite, die nicht Eigentum von VIBE bzw. einer Tochtergesellschaft sind, befinden sich im Eigentum der jeweiligen Rechtsinhaber, die mit VIBE oder einer ihrer Tochtergesellschaften verbunden bzw. von ihr gesponsert sein können, dies aber nicht zwingend sind.

HAFTUNGSAUSSCHLUSS

VIBE ÜBERNIMMT KEINE GEWÄHR FÜR DIE VOLLSTÄNDIGKEIT ODER AKTUALITÄT DER IN DIESEM HANDBUCH ZUGÄNGLICHEN INFORMATIONEN. ALLE IN DIESEM HANDBUCH ENTHALTENEN SPEZIFIKATIONEN UND ALLE INFORMATIONEN SIND FREI ERHEBEND. VIBE BEIHEIM ANHÄNGERN DURCH DIE VIBE GERÄTE ERZEUGTEN SCHALLDRUCKSPEZIFIKATIONEN SIND KEIN ZUR VORSICHT. DIE VON DEN VIBE GERÄTEN ERZEUGTEN SCHALLDRUCKSPEZIFIKATIONEN KÖNNEN UNTER UMSTÄNDEN IHR GEHÖR BZW. DAS GEHÖR ANDERER DAUERHAFT SCHÄDIGEN. FÜR EINEN SICHEREN HÖRGENUSS SOLLTE DER TON BEI ANGENEHMER LAUTSTARKE KLAR UND UNVERZERRT SEIN. BEI DER VERWENDUNG VON VIBE GERÄTEN ÜBERNEHMEN SIE VOLLE VERANTWORTUNG FÜR IHRE EIGENE SICHERHEIT SOWIE DIE SICHERHEIT ANDERER BEIM ZUHÖREN VON LAUTSTÄRKER MUSIK MITTELS DER VON IHNEN ERWORBENEN GERÄTE. DURCH DIE BENUTZUNG VON VIBE GERÄTEN ERKLÄREN SIE SICH MIT DIESER HAFTUNGSAUSSCHLUSSKLAUSEL EINVERSTANDEN.

ESPAÑOL

Derechos de autor

Todo el contenido incluido en este manual, como texto, gráficos, logotipos, iconos, imágenes y datos, es la propiedad de VIBE Technologies Ltd y está protegido por las leyes de derechos de autor internacionales y del Reino Unido. La recopilación de todo el contenido de este manual es propiedad exclusiva de VIBE y está protegido tanto por las leyes de derechos de autor internacionales como por las del Reino Unido.

Marcas registradas

VIBE, Turbo Port, Pressure Board, Super Driver, VIBE Pulse, VIBE Power, VIBE Digital, VP1, VP2, VP3, VP4, VIBE MAG Plugs, Ferrite Loaded, VIBE Solid Core, VIBE OCC, VIBE FLAT, BlackAir, BlackBox y ICC son marcas registradas de VIBE. Los gráficos y logotipos son marcas registradas o la etiqueta comercial de VIBE Technologies Ltd o sus filiales. Las marcas registradas o la etiqueta comercial de VIBE no podrán ser utilizadas en relación con cualquier producto o servicio que no sea de VIBE, ni de cualquier manera que pudiese causar confusión entre los clientes o que menoscabara o desacreditara a VIBE. El resto de marcas registradas que no sean propiedad de VIBE o sus filiales y que aparezcan en este sitio son propiedad de sus respectivos propietarios que pueden estar, o no, afiliados, conectados o patrocinados por VIBE o sus filiales.

EXENCIÓN DE RESPONSABILIDAD

VIBE NO ASEGURA NI GARANTIZA QUE LA INFORMACIÓN ACCESIBLE EN ESTE MANUAL ESTÉ COMPLETA O SEA ACTUAL. TODAS LAS ESPECIFICACIONES Y LA INFORMACIÓN CONTENIDAS EN ESTE MANUAL ESTÁN SUJETAS A CAMBIOS SIN PREVIO AVISO. VIBE RECOMIENDA PRECAUCIÓN AL ESCUCHAR MUSICA REPRODUCIDA MEDIANTE EL EQUIPO VIBE. EL EQUIPO VIBE ES CAPAZ DE PRODUCIR UN OJO NIVELES DE PRESIÓN DE SONIDO QUE PODRÍAN DAÑAR SU SISTEMA AUDITIVO O EL DE OTROS. POR MOTIVOS DE SEGURIDAD Y PARA DISFRUTAR ESCUCHANDO MUSICA, EL SONIDO TIENE QUE SER CLARO, SIN DISTORSIONES Y A UN VOLUMEN COMFORTABLE AL USAR CUALQUIER EQUIPO VIBE. ACEPTA LA TOTAL RESPONSABILIDAD DE SU PROPIA SEGURIDAD DE OTROS AL ESCUCHAR MUSICA A VOLUMEN ALTO CON EL EQUIPO QUE HA COMPRADO. EL USO DE CUALQUIER EQUIPO VIBE CONSTITUYE UN CONSENTIMIENTO A ESTA EXENCIÓN DE RESPONSABILIDAD.