FACTOR

ELECTRONICS

PREMIUMAUDIOVIDEOLIGHTINGANDPOWERPRODUCTS

VC-6



Owners Manual

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IMPORTANT NOTE: THIS OWNER'S MANUAL IS PROVIDED AS AN INSTALLATION AND OPERATING AID. FACTOR ELECTRONICS DOES NOT ASSUME ANY RESPONSIBILITY AS TO ITS ACCURACY AND SHALL NOT BE LIABLE IN TORT OR CONTRACT FOR ANY DIRECT, CONSEQUENTIAL OR INCIDENTAL LOSS OR DAMAGE ARISING FROM THE INSTALLATION, USE OR INABILITY TO USE THIS PRODUCT.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS APPLIANCE TO WATER, RAIN OR MOISTURE. THIS APPLIANCE SHOULD NOT DAMPENED BY WATER DROPS OR SPLASHING. CONTAINERS OF LIQUID SUCH AS VASES SHOULD NOT BE PLACED ON THIS APPLIANCE.

Immediately upon receipt, inspect the unit and shipping container for indications of improper handling or in-transit damage. This equipment was carefully inspected and tested before leaving the factory. Notify the Transportation Company, Wholesaler or Retailer immediately if any damage is found. Be sure to save the carton and packing material as evidence of damage for later inspection. DO NOT SHIP the unit back to the factory unless authorized to do so by the factory. IN TRANSIT DAMAGES ARE NOT COVERED BY THE WARRANTY. **DO NOT INSTALL OR ATTEMPT TO OPERATE THIS UNIT IF IT HAS BEEN DAMAGED.**

IMPORTANT SAFETY INSTRUCTIONS

- Read and keep these instructions.
- Heed all warnings and follow all instructions contained within this manual.
- Do not use this unit near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Operate the product only with the voltage specified on the unit. Fire and/or electric shock may result if a higher voltage is used.
- Do not modify, kink, or cut the power cord. Do not place the power cord in close proximity to heaters and do not place heavy objects on the power cord and/or the product itself, doing so may result in fire or electrical shock.
- Replace the protective cover over the speaker terminals after installation. Do not touch the 70V speaker terminals as electric shock may result.
- Ensure that the safety ground terminal is connected to a proper ground. Never connect the ground to a gas pipe, as a severe explosion and/or fire may result.
- Be sure the installation of this product is stable, avoid slanted surfaces as the product may fall and cause injury, property damage, electrocution and/or fire.
- Note when the unit is turned off it is not completely disconnected from the wall AC power outlet. Do not open the cover unless the device is unplugged from the wall AC power outlet.

Introduction

Congratulations and thank you for purchasing a Factor Electronics product. The Factor Electronics VC-6 is a professional quality impedance matching speaker selector that provides unmatched audio quality and durability. The VC-6 provides six high fidelity speaker zones with individual zone on/off, amplifier A/B switching and precise volume control in each zone. The VC-6 is very easy to install and operate. Please read this entire manual to get the most from your VC-6.

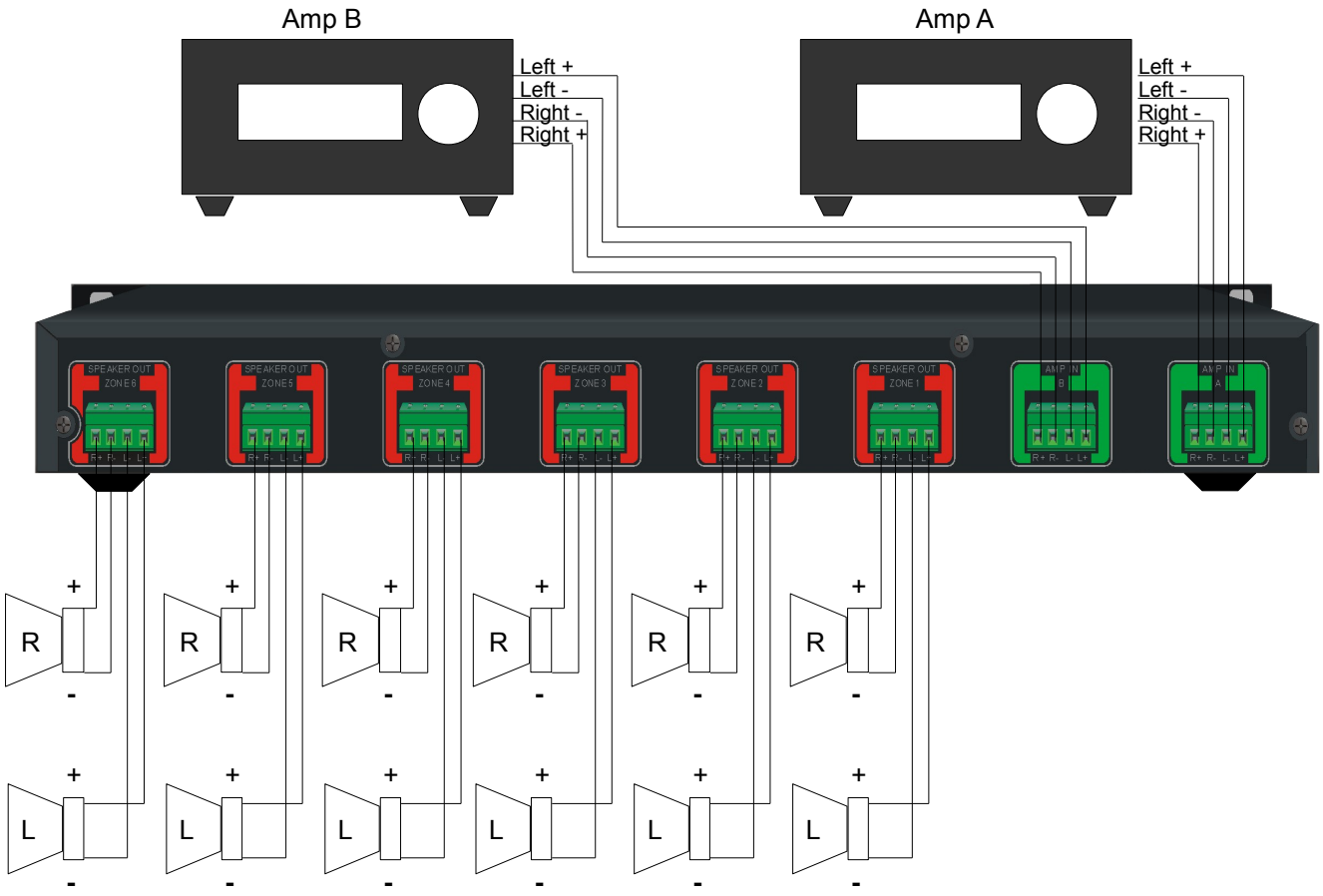
Unpacking

The VC-6 includes the following parts:
1 x VC-6 impedance matching speaker selector
1 x 19” standard rack mount kit
6 x Terminal block output connectors
2 x Terminal block input connectors
1 x Owners manual

Installation

The VC-6 is designed to work with six pairs of eight ohm speakers. Always use good quality 12-16awg stranded copper speaker wire for all connections.

Diagram A



Front Panel Operation

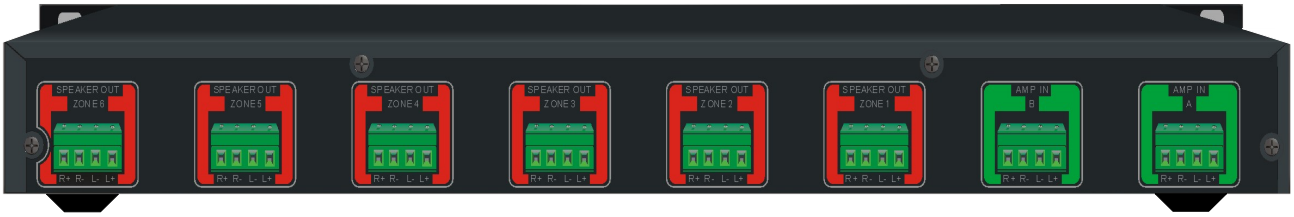
1. Zone 1-6 Volume, these six rotary volume controls control the output level to each zone.
2. Amp A/B/Off Selector, these six three position toggle switches select between amplifier A/B or off individually for each zone.



Rear Panel Operations and Connections

1. Zone 1-6 outputs, these six removable terminal block connectors accept 12-16awg wire.
2. Amp A/B inputs these two removable terminal block connectors accept 12-16awg wires.
3. Use caution attaching the wires to the terminal block connectors to insure the wires do not short between connectors.
5. Color coding: Green = Inputs, Red = Outputs.
6. Using 8ohm minimum impedance speakers will reflect an 8ohm overall impedance to your connected amplifier. Using 4ohm speakers will reflect a 4ohm minimum impedance to your Connected amplifier.

Caution: Always check your amplifiers minimum impedance to make sure your amplifier is capable of working with the VC-6.



Specifications

Frequency Response	40Hz - 20kHz
Dimensions	
Shipping Weight	
Warranty	1 Year

In an effort to provide our customers with the latest advancements in technology, Factor Electronics specifications are subject to change from time to time without notice.

Contact Information

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Warranty

Factor Electronics products (VC-6) are warranted to be free from defects in workmanship and materials for a period of (1) year without charge for parts or labor.
This warranty applies only to the original owner. The owners responsibilities are to provide proof of purchase and transportation to the dealer the unit was purchased from or transportation to Factor Electronics. This warranty does not apply to units that have been subject to misuse, abuse, neglect or improper installation, and does not apply to repairs or alterations made by unauthorized persons. This warranty specifically excludes responsibility for consequential damage. Retention of your original bill of sale is required to obtain service under the terms of this warranty.