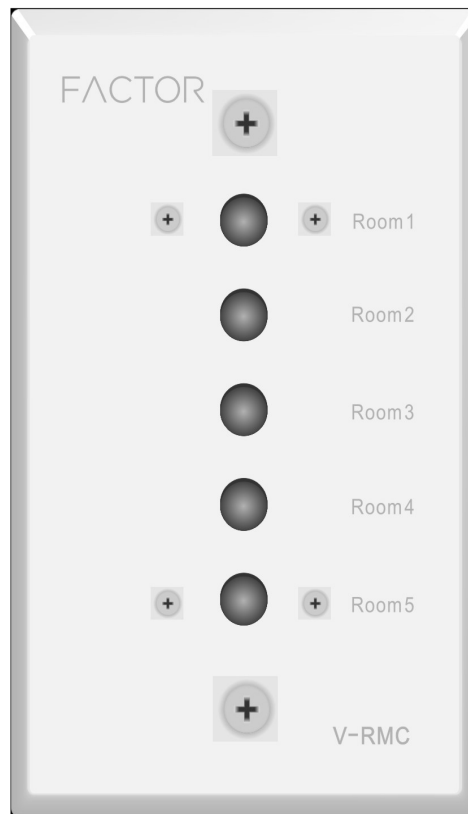


FACTOR

ELECTRONICS

PREMIUM AUDIO VIDEO LIGHTING AND POWER PRODUCTS

V-RMC



Owners Manual

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 BE 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 V-RMC is an auxiliary wall plate providing five latching SPST switches. The V-RMC can be used for any application requiring latching switches including matrix switching for Factor Electronics amplifiers. The V-RMC provides a simple solution for combining or separating sound systems. Room combining is necessary in Hotels, Convention Centers, Golf Courses, Schools and other buildings where sound system requirements in multifunction rooms are constantly changing. The V-RMC is very easy to install and operate. Please read this entire manual to get the most from your V-RMC.

Unpacking

The V-RMC includes the following parts:

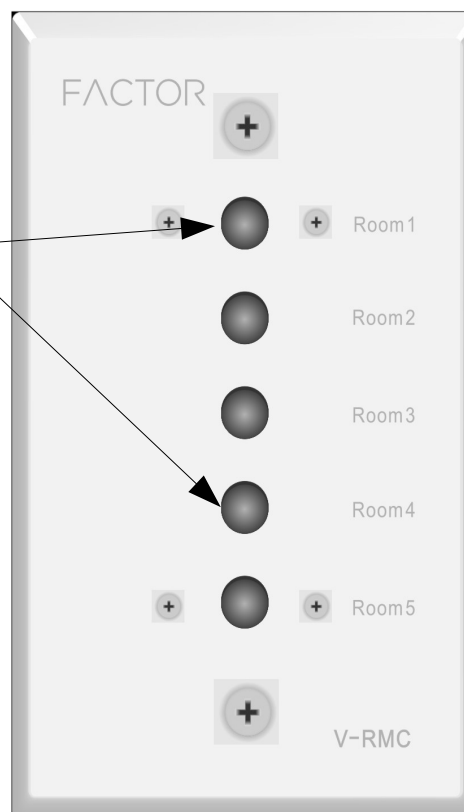
- 1 x V-RMC wall plate
- 5 x Removable two pin male terminal block connectors
- 2 x Philips White Wall Screws

Installation With Factor Electronics Amplifiers

The V-RMC can be connected to any Factor Electronics amplifier by connecting a two conductor wire to each terminal block connector on the V-RMC back panel, then connecting the two conductor wire to the SEL terminals located on the back panel of each Factor Electronics Amplifier. Note that it takes a minimum of two amplifiers to create a matrix system. Up to five Factor Electronics amplifiers can be combined or separated (matrix) from a single V-RMC wall plate.

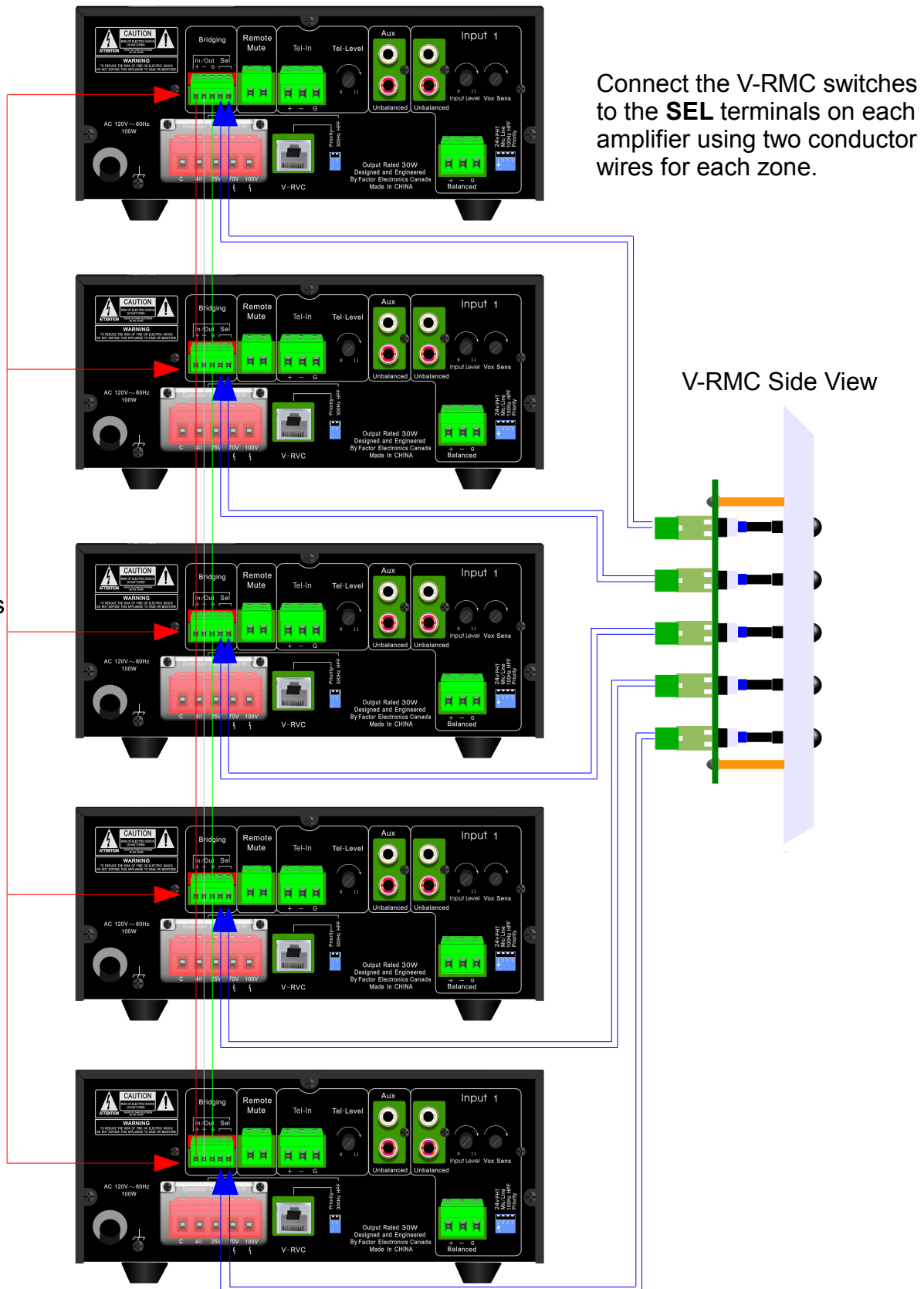
Diagram A

Pressing any two switches will combine the amplifiers in the corresponding rooms



Pressing all switches will combine all the amplifiers in the corresponding rooms

Diagram B
V-RMC wiring for a five room matrix



V-RMC Operation

The V-RMC is very versatile and can be used in many different ways to remote control equipment.

- 1. Matrixing Factor Electronics amplifiers** is easy using the V-RMC. Connect the **Bridging Terminals** between two or more amplifiers. Use good quality two conductor stranded copper wire with a shield between the bridging terminals. The amplifiers do not need to be in the same physical location. The **Bridging terminals** are balanced line level +4dB connections. The amplifiers can be located up to 100+ feet apart. Use the V-RMC to short the **SEL** (SELECT) terminals on two or more amplifiers to combine the preamplifier signals of both amps. Once the **SEL** terminals are shorted all signals present in the amplifiers will be broadcast. Pressing any **ROOM** switch on the V-RMC (in position) will place that amplifiers signals in the matrix. Press two switches on the V-RMC and those two amplifiers will be matrixed. Press up to five switches on the V-RMC to matrix any combination of amplifiers.
- 2. Using The V-RMC to trigger Mute contacts.**

Mute contacts are found on most commercial paging amplifiers. Mute contacts allow one signal to take priority over another signal. Or mute contacts can be used to momentarily cut music or other signals for temporary silence. Simply connect the terminals of any unused ROOM switch on the V-RMC to the mute contacts on the amplifier. With the ROOM switch in the out position the mute will not be activated. Press the ROOM switch (in position) and the mute will be activated.
- 3. Using the V-RMC to trigger Chimes or Tones.**

Most commercial tone generators can be activated by shorting two terminals. Connect any unused ROOM switch to the tone generators terminals. With the ROOM switch in the out position the tone will not be activated. Press the ROOM switch (in position) and the tone will be activated.

In an effort to provide our customers with the latest advancements in technology, Factor Electronics Specifications are subject to change from time to time.

Contact Information

Factor Electronics

#108, 19232 Enterprise Way, Surrey B.C. Canada V3S-6J9

E-mail: info@factorelectronics.com

Website: www.factorelectronics.com

Warranty

Factor Electronics products (V-RMC and accessories) are warranted to be free from defects in workmanship and materials for a period on (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.