



# INSTRUCTION MANUAL

## VC7000 Series

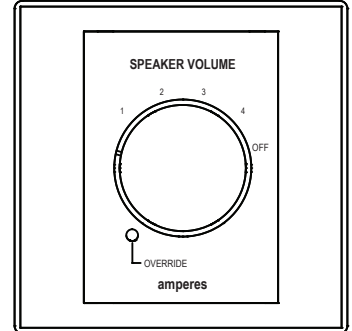
### 100V Line Speaker Volume Controllers

Thank you for choosing another quality product from Amperes Electronics

### Product in Summary

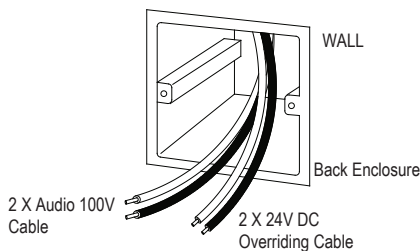
VC7000 Series of volume controllers which had been a popular item in the market. It is available in various variants from 10W to 150W 100V line, and also in different format of face plate, namely 86 x 86 mm or 70 x 120 mm.

Installing this unit shall not be difficult but it is recommended to read through this manual in order to avoid any undesired results and also to tap the full potential of what this unit could offer. Keep this manual for future reference and we believe that you are getting an optimum product in its class.



## Installation Procedures

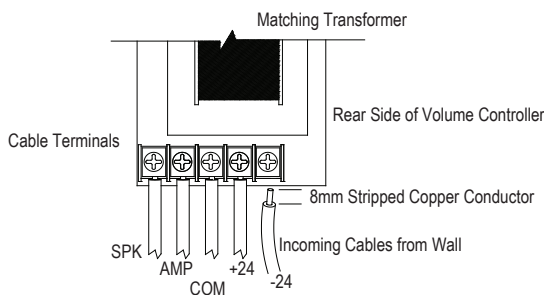
### 1 : INCOMING CABLES



As the volume controllers works in a 4 wire system, there should be 2 x 100V line audio circuit from power amplifiers and another optional 2 x 24V DC emergency overriding cable from the rack.

Please use back enclosure of 50mm depth either surface or concealed type for volume controller versions with back step down transformer (except VC7010 resistive type)

### 2 : TERMINATING CABLE TO VC TERMINALS



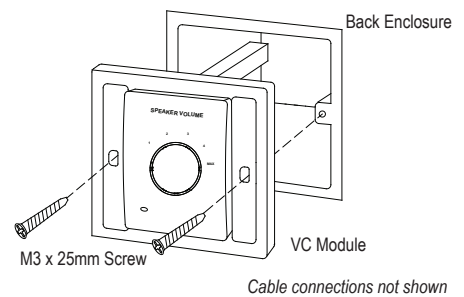
Cables from amplifier, to speakers and the overriding 24V DC shall be connected to the module before mounting to the back enclosure.

Recommended cable size shall not be more than 2.5mm sq.

The termination marking is available and shall be:

- SPK - 100V line hot (+ve) to speaker
- AMP - 100V line hot (ve) from amplifier
- COM - Common for amplifier and speaker cable
- +24 - 24V DC overriding (+ve)
- 24 - 24V DC common (-ve)

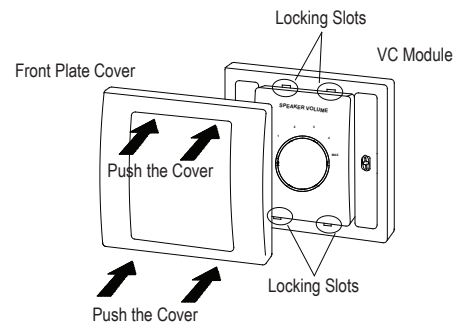
### 3 : FIXING VOLUME CONTROLLER TO THE BACK ENCLOSURE



Install the cabled VC module to the back enclosure using M3 screw provided.

For ease of installation, please do not allow too lengthy cables which may also cause damage to the VC module during installation.

### 4 : FIXING THE COVER



The final procedure shall be attaching the front plate cover to the VC assembly. Gently push the cover with the locking pin to the slots to complete the installation.