

## VCM 110 AAP • Installation Guide

The Extron VCM 110 AAP is a remote volume/mute controller that functions with a selection of Extron products, such as the MPA 152 Plus and the MP 101 AAP. The VCM 110 AAP is backwards compatible, able to be integrated into existing systems as well as installed into new systems.

Mounted into the standard Extron AAP mounting frame, the VCM 110 AAP has a 10k ohm potentiometer volume control knob and a mute button with an associated mute LED. The mute LED lights red to indicate audio mute ON and does not light to indicate audio mute OFF.

### Remote connector pin configuration

The diagram on the right illustrates wiring:

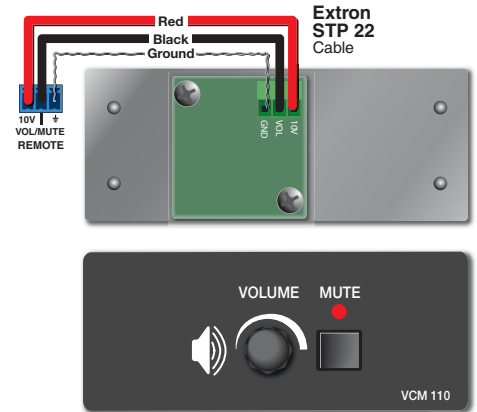
- **10V** is a 10 VDC reference voltage.
- **VOL** is volume and mute control with DC voltage; the range is 0 to 10 V, where 0 V is mute and 10 V provides maximum volume.
- **GND** is ground.

**NOTE:** All Nominal levels are at ±10%.

### Audio level setting procedure

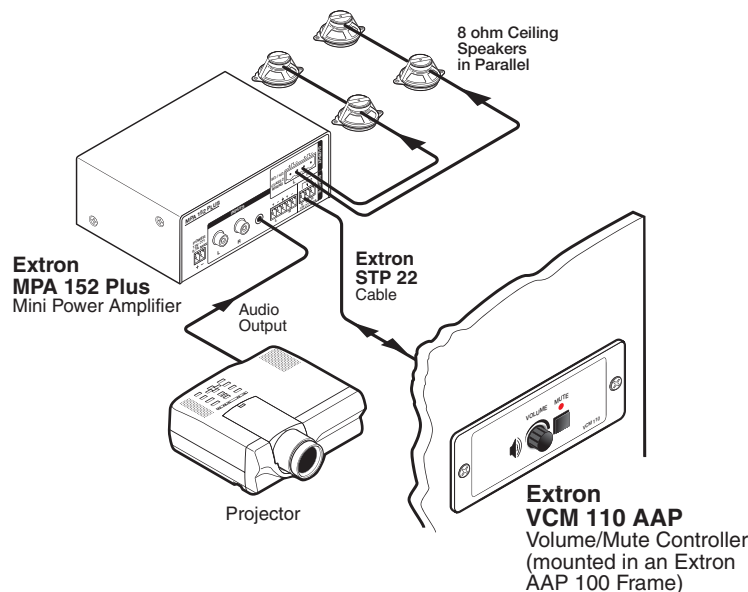
To set the system level to not exceed the maximum volume when using the VCM 110, do the following:

1. Reduce the power amplifier volume to minimum.
2. Turn the Volume knob on the VCM 110 to the maximum (fully clockwise) position.
3. Slowly turn up the power amplifier volume to the maximum undistorted sound level allowed for the application.



## VCM 110 AAP • Installation Guide (Cont.)

As shown below, the Extron VCM 110 AAP serves to remotely control the volume and mute for a selection of Extron products, such as the MPA 152 Plus.



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