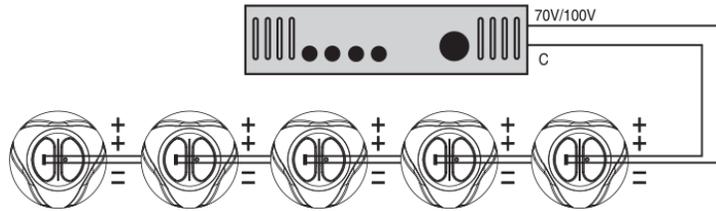


### 3.0 Connection Diagrams

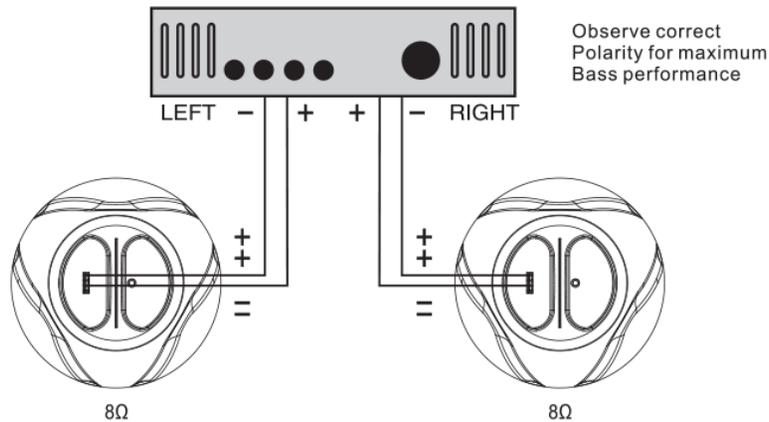
#### EXAMPLE OF 70V/100V SYSTEM CONFIGURATION



5 SPEAKERS CONNECTED IN PARALLEL USING 16W TAPS

**NOTE:** The total number of speakers multiplied by the tap value cannot exceed the output power (in watts) of the 70V /100V amplifier. The above example shows 5 total speakers. Using the 16W taps, you will need an amplifier with at least  $(5) \times (16) = 80W$ . A good rule of thumb is to select an amplifier with 20% greater power; in this case, an amplifier that delivers about 100W.

#### 2-CHANNEL AMPLIFIER WITH 8Ω OUTPUT



2 SPEAKERS PER CHANNEL CONNECTED IN PARALLEL

### Open-Ceiling 6.5” Pendant Speaker



**Black**   
Model - CP6B  
SKU# - .28637

**White**   
Model - CP6W  
SKU# - .28640

## SAFETY WARNING

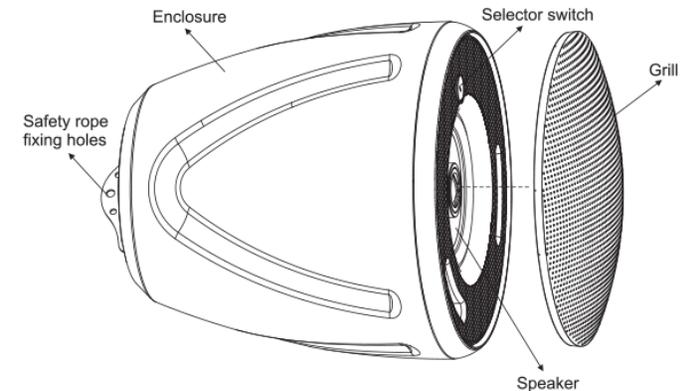
1. When the speakers are installed in ceiling, check that the wall structure is reliable and the speaker is firmly attached.
2. Do not install the speakers in fine wood or soft wall material. Doing so can cause the speaker to become unsecure and potentially cause personal injury or damage to the speaker.
3. Do not use nails, adhesives or other devices. Long-term use and vibrations may cause the speaker to fall.
4. Do not touch or bump the woofer or tweeter. If these are damaged, the sound will be distorted.
5. Do not attempt to clean the speakers with chemical solvents as this may damage the paint surface. Clean with a dry cloth.

### 1.0 Specifications

- 6.5" mineral filled polypropylene woofer with rubber surround
- 1.2" Titanium dome tweeter
- Magnet Weight: 18 oz
- Frequency Response: 45Hz—20KHz
- Recommended Power: 80 watts
- Impedance: 8 ohms
- Transformer Tap:
  - 70V: 32-16-8-4-2W-1W & 8 ohms
  - 100V: 32-16-8-4W-2W & 8 ohms
- Sensitivity (1w/1m): 90dB

### 2.0 Installation and Connection

- This speaker is designed to hang from the ceiling.
  - A safety cable must be used when installing the speakers to avoid damage and personal injury.
1. Place a mark on the ceiling where the speaker will be placed using the mounting bracket as a template.
  2. Mount the bracket using the appropriate hardware and securely attach to the ceiling.
  3. Attach the speakers to the safety cable and to the mounting bracket.



4. Remove the grill from the speaker to select 100V, 70V or 8ohm for your installation.
5. Ensure that the polarity is correct. If the polarity is reversed, bass response will suffer.
6. Refer to page 4 for diagrams for proper connection of the Vinson CP6 Pendant Speaker.