

## VLA-C125S-ACC Cardioid Kit Installation Instructions

One Cardioid Kit is intended for use with 3 VLA-C125S speakers, in cardioid configuration (two front-facing and one rear-facing speakers), for use with both gray and black colors.

Contents:



VLA-C125S-ACC Cardioid Kit Contents :

Description	Qty
Gland Nut Cover	4
Gland Nut	2
Jumper Cable	2
Cover, Black	2
Cover, Gray	2

**Configuration:**

These instructions presume a Front-Firing Top Unit, Rear-Firing Middle Unit, and Front-Firing Bottom Unit. However, it can also be utilized for Front/Front/Rear and Rear/Front/Front configurations simply by wiring each unit in accordance with whether it is front-firing or rear-firing.

**DSP Presets:**

There is a cardioid preset in the master DSP preset folder for VLA Compact speakers. The preset provides the proper polarity and delay for the VLA-C125S in cardioid configuration.

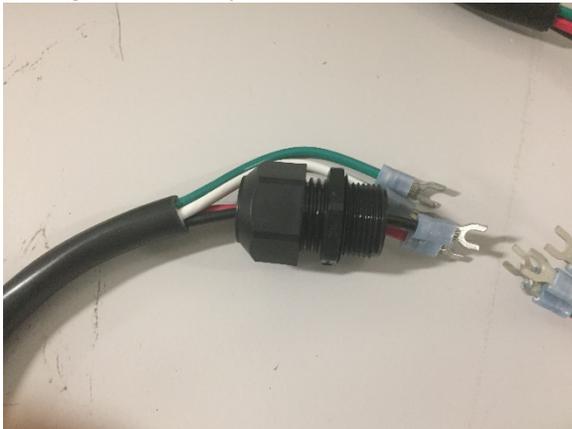
**Connections:**

Connection between units using terminal on top and bottom of each unit:

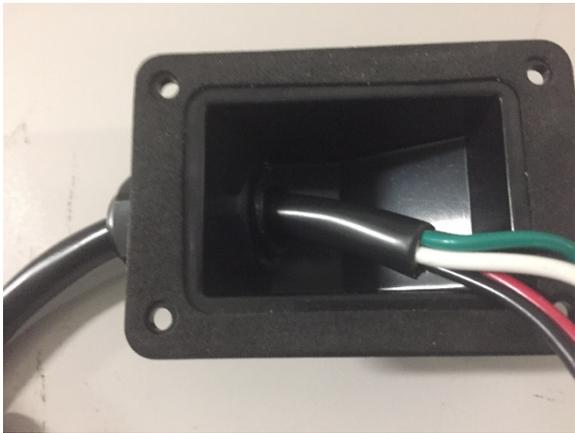
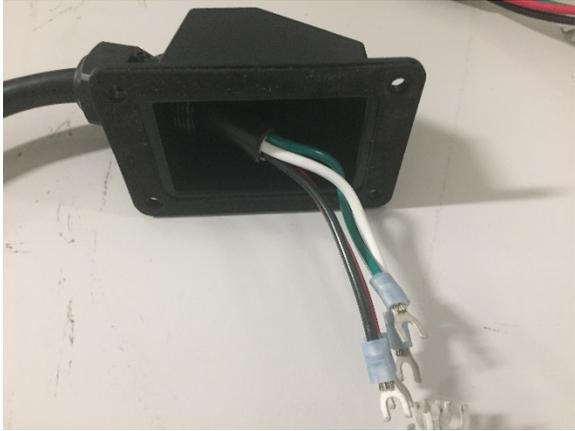
Remove connector cover on bottom unit, note connections 1± and 2±



Place one end of jumper wire through one gland nut. Due to spade lug, the cables need to be fed through individually:



Remove washer from gland nut, add Gland Nut Cover to cable and replace washer and tighten around gland nut. Do not tighten the main gland nut yet.



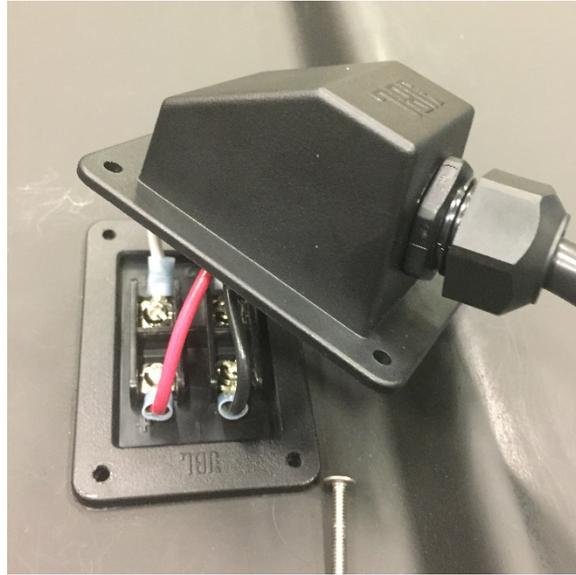
Attach Wires to top/bottom connector and tighten securely:

Red: 1+

Black: 1-

White: 2+

Green: 2-



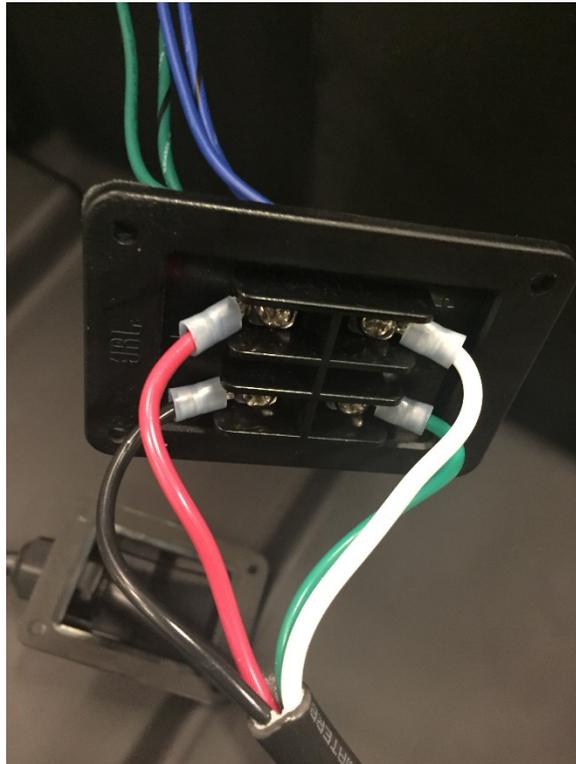
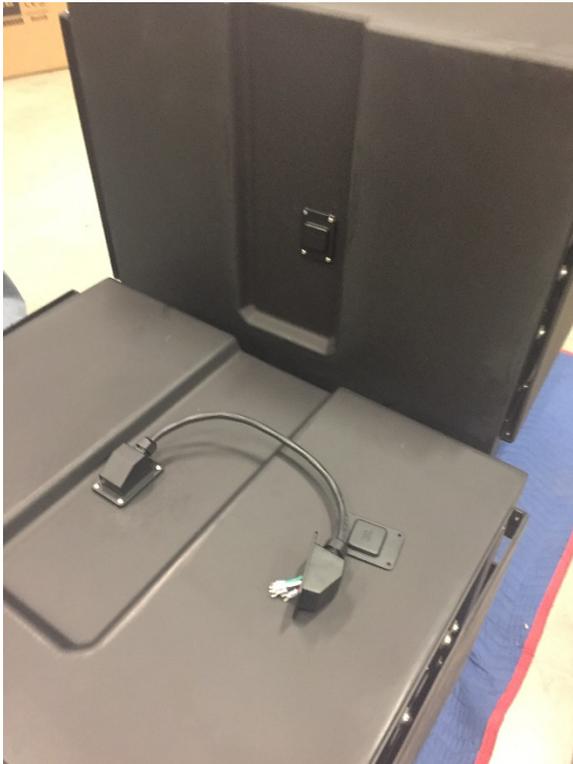
Tighten gland nut as close to the end of the cable sleeve as possible by tightening outer nut to ensure water tight seal:



Replace Screws and tighten:



Repeat same steps for next unit (opposite firing), using the other end of the jumper cable. Note: make sure enclosure orientation is correct (opposite facing with correct top/bottom orientation). Once the terminal cover is removed, the terminal will come loose from the enclosure in order to reach the jumper wire.



Bottom and Middle units are connected:



Repeat the same process for remaining unit.

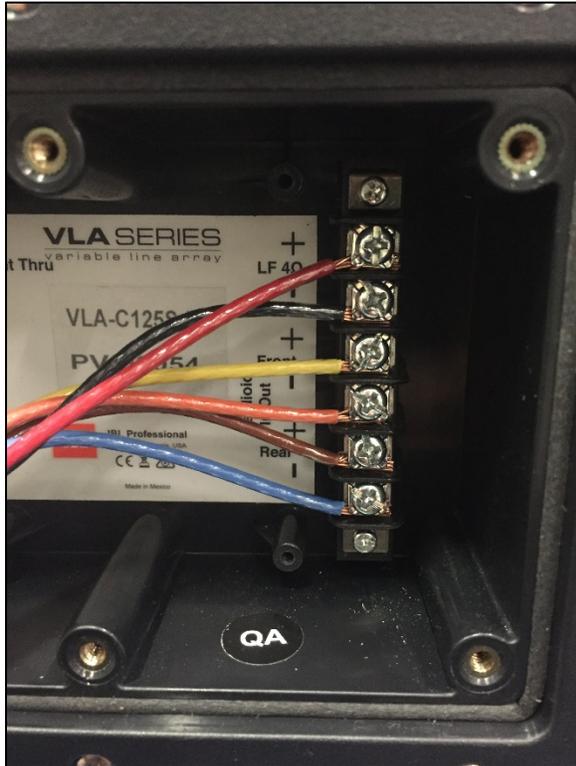
### Configuring the Input Cup Connections:

#### **Main front firing unit:**

DSP Ch1: Top front firing unit to LF 4Ω ±

DSP Ch2: Bottom front firing unit to Cardioid In/Out Front ±

DSP Ch3: Rear firing unit to Cardioid In/Out Rear ±

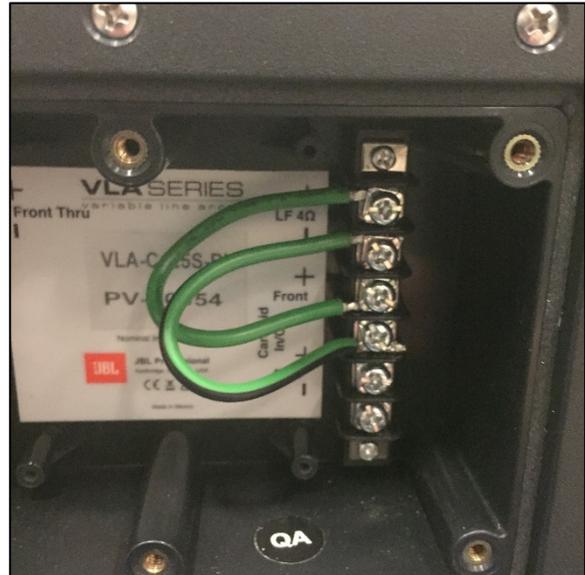
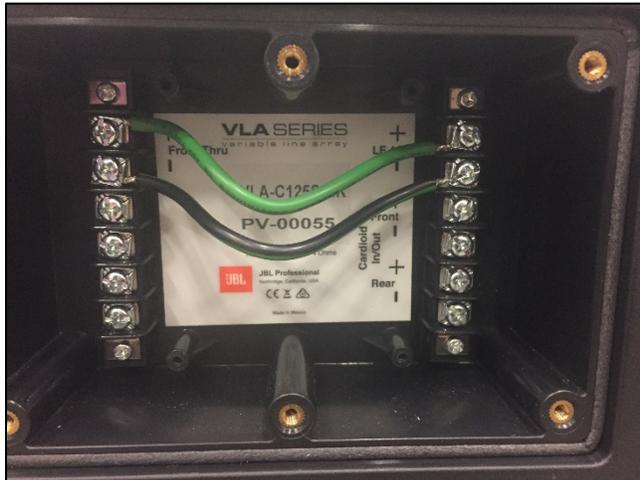


Return cover with gland nut provided:



**Front firing cardioid unit:**

Connect Front/Thru to "LF 4Ω" or Cardioid In/Out Front to LF 4Ω ±



**Rear firing cardioid unit:**

Connect "Cardioid In/Out REAR to "LF 4Ω"



Use cover from Cardioid Kit to seal input cup:

