



ADVANCED
NETWORK DEVICES

External Speaker Interface

Version 2.2

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U.S.A

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Static Electric Warning



TROUBLESHOOTING AND ADDITIONAL RESOURCES

User Support: <https://www.anetd.com/user-support/>
Technical Resources: <https://www.anetd.com/user-support/technical-resources/>
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OVERVIEW

Most AND display devices* include a second 8-ohm speaker output.

Note that the existing audio power distributes between the two speakers in the stereo mode; it does not double the output power of the device. The second 8-ohm speaker should be rated at 10W or greater continuous power, with a sensitivity around 95dB or better.

Second Speaker Wiring Distance Recommendations

#20 (AWG) wire 25 feet max

#18 (AWG) wire 35 feet max

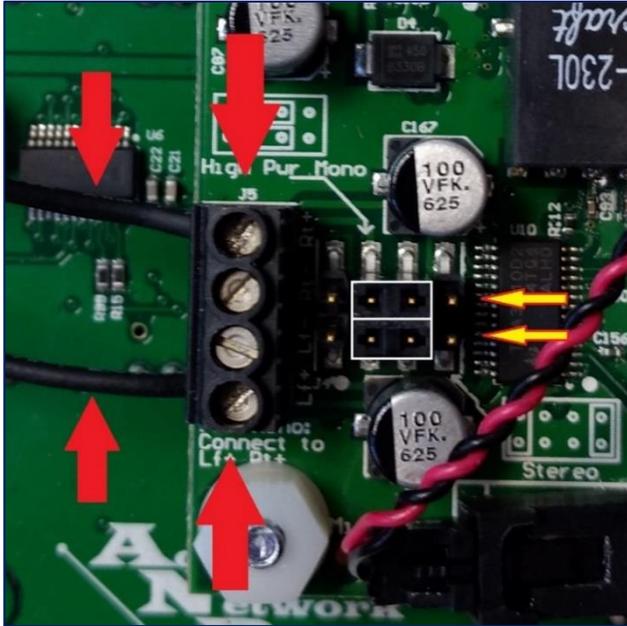
#16 (AWG) wire 50 feet max

Warning: You must disconnect power to the device before making any changes.

**The IPSWS-SM-O and ZONEC2 units do not support a second speaker. Additionally, the IPCDS-RWB-U and IPSIGNL-RWB include two speakers from the factory, and therefore have no additional speaker outputs.*

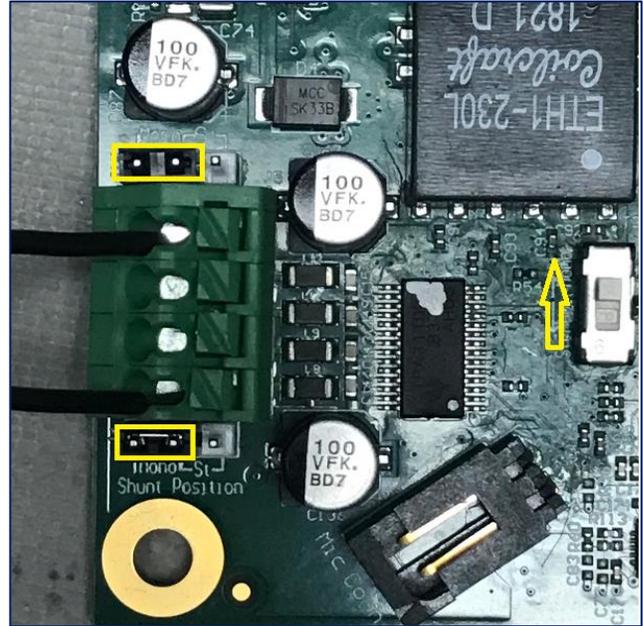
SINGLE SPEAKER CONNECTION ON LED DISPLAY DEVICES

By default, the included speaker connects on the main controller board as a mono output.



PCA-000056-10 Board Mono Connections

- Speaker wires attached to the outside terminals (1 and 4) of J5
- Header Jumpers (outlined in white) placed horizontal and on the center pins (indicated by yellow arrows)



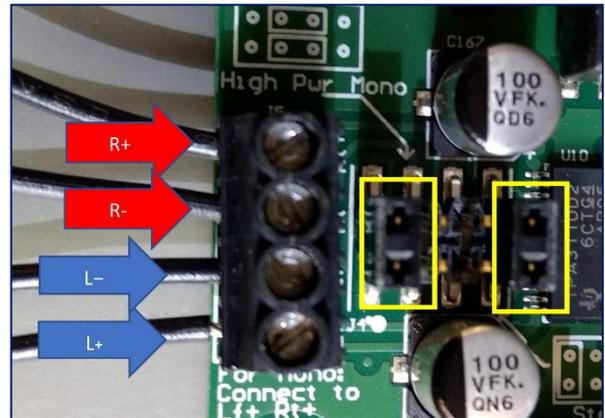
PCA-000056-11 Board Mono Connections

- Speaker wires attached to the outside terminals (1 and 4) of J5
- Header Jumpers (outlined in yellow) on the left-most pins of J4 and J16
- Verify switch SW1 set in the upper position (indicated by yellow arrow)

TWO SPEAKER CONNECTION ON LED DISPLAY DEVICE (PCA-000056-10)

To use a second speaker with the PCA-000056-10 card

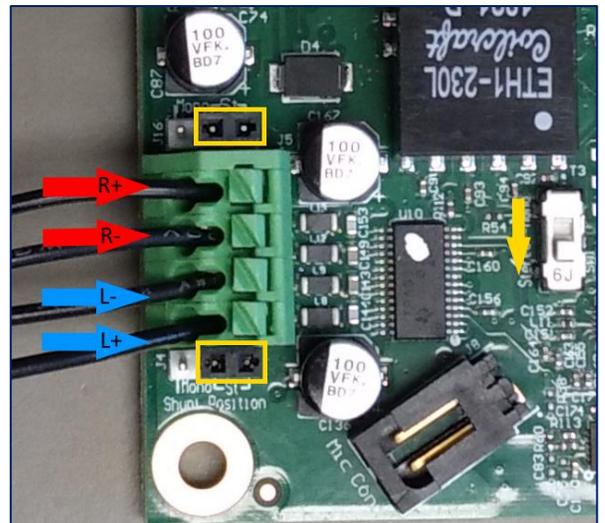
- Attach speaker wires as pairs to top two terminals (1 and 2 with red arrows) and bottom two terminals (3 and 4 with blue arrows) of J5
- Place header jumpers vertical and on outside pins (outlined in yellow)



TWO SPEAKER CONNECTION ON LED DISPLAY DEVICE (PCA-000056-11)

To use a second speaker with the PCA-000056-11 card

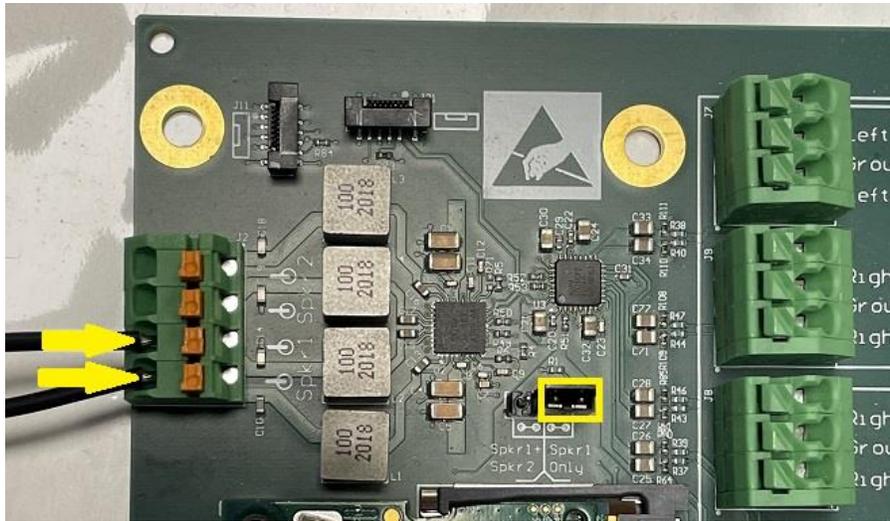
- Attach speaker wires as pairs to top two terminals (1 and 2 with red arrows) and bottom two terminals (3 and 4 with blue arrows)
- Place the header jumpers on the right most pins of J4 and J16 (as indicated by the yellow boxes)
- Verify switch SW1 is in the lower position (shown by the yellow arrow)



SINGLE SPEAKER CONNECTION FOR LCD DISPLAY DEVICES

By default, the included speaker connects to the controller board in an LCD device as a mono output.

- Speaker wire pair is connected to the bottom two terminals of J2 as shown by yellow arrows.
- Header jumper (outlined in yellow) is placed on the two rightmost pins of J23 as shown.



TWO SPEAKER CONNECTION FOR LCD DISPLAY DEVICES

To use a second speaker with an LCD display device:

- Attach the second speaker wire pair to the top two terminals of J2 as shown by blue arrows.
- Move the header jumper (outlined in yellow) to the two leftmost pins of J23 as shown.

