

[AN017]



ADVANCED
NETWORK DEVICES

External Speaker Interface

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U.S.A

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Static Electric Warning



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OVERVIEW

Almost all AND devices include an available second 8-ohm speaker output (except the IPSCM and ZONEC units, which do not offer access to the speaker terminals) The IPCDS, IPSCM-RM and IPSIGNL-F include two speakers from the factory, and do not have any additional speaker outputs. Devices with MAC address 20:46:F9:03:00:00 and newer support this second speaker connection. Note that the 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 rate at 10W or greater continuous power, with a sensitivity around 95dB.

PHYSICAL INTERFACE

By default, the included speaker connects on the main controller board as a mono output (see figure 1). To use a second speaker, you must reconfigure the jumpers (J4) to stereo mode, and wire the speakers in the stereo configuration on the speaker terminal (J5) (see figure 2).

Important: Be sure to disconnect power to the device before making these changes.

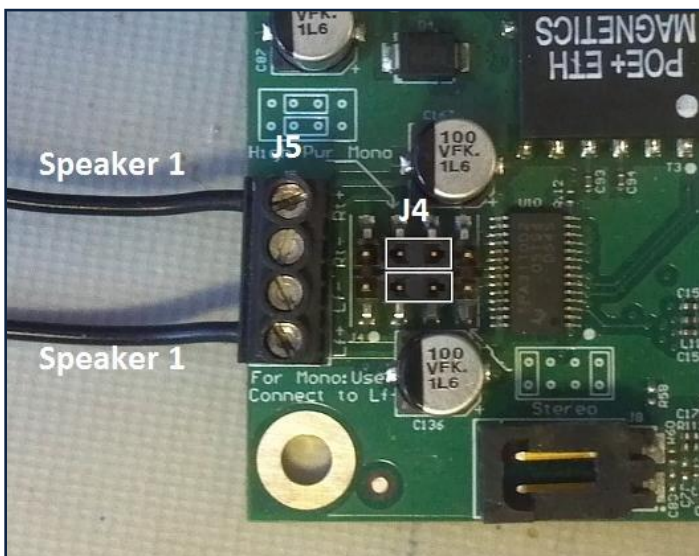


Figure 1 – Mono Connection

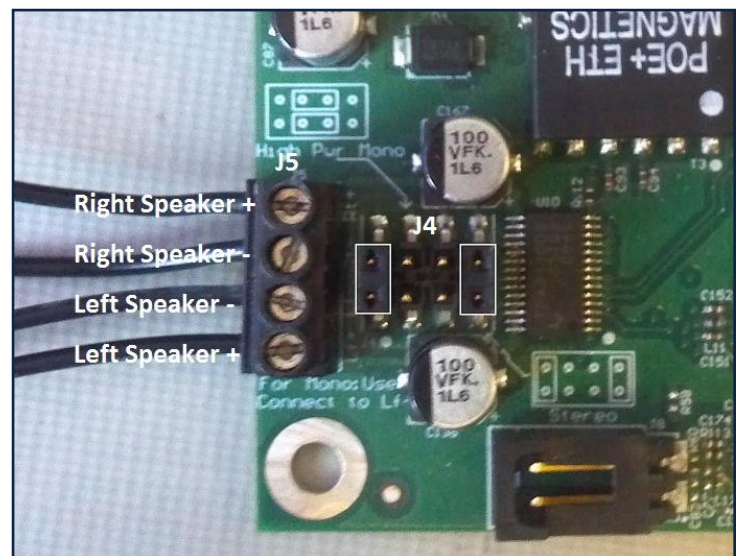


Figure 2 – Stereo Connection