


1 Open the side of the sign labeled "CONTROLLER SIDE".

- Disconnect all power from the sign at the power source to prevent electrical injury or damage.
- Turn the controller-side panel latches counter-clockwise. Carefully raise the panel of the sign.



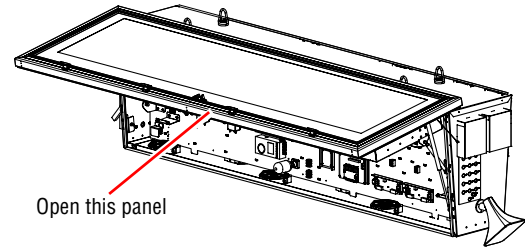
▲ WARNING
Hazardous voltage.
Contact with high voltage may cause death or serious injury. Always disconnect power to unit prior to servicing. SM1000A



▲ WARNING
Possible fall hazard.
Remain clear of door when opening. SM1022



Open the panel identified as CONTROLLER SIDE on this label, attached to the bottom of the sign.



2 Connect the sign and messaging computer to an Ethernet network.

- Run Category 5 T568A or T568B wire from the network into the sign communications conduit.
- Position the wires into the channels on the modular network adapter (see below).
- Use a 110 punch-down tool to push the wires into the channels.
- Do not separate the twisted pairs more than 0.5 inches from the termination point.

Category 5 T568A (8 wire)		Category 5 T568B (8 wire)		Position the wires into the channels on the modular network adapter as shown below.
110 type connector	RJ45 jack	110 type connector	RJ45 jack	
Wht/Blu	5	Wht/Blu	5	
Blu/Wht	4	Blu/Wht	4	
Wht/Org	3	Wht/Org	1	
Org/Wht	6	Org/Wht	2	
Wht/Grn	1	Wht/Grn	3	
Grn/Wht	2	Grn/Wht	6	
Wht/Brn	7	Wht/Brn	7	
Brn/Wht	8	Brn/Wht	8	

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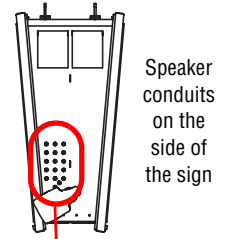
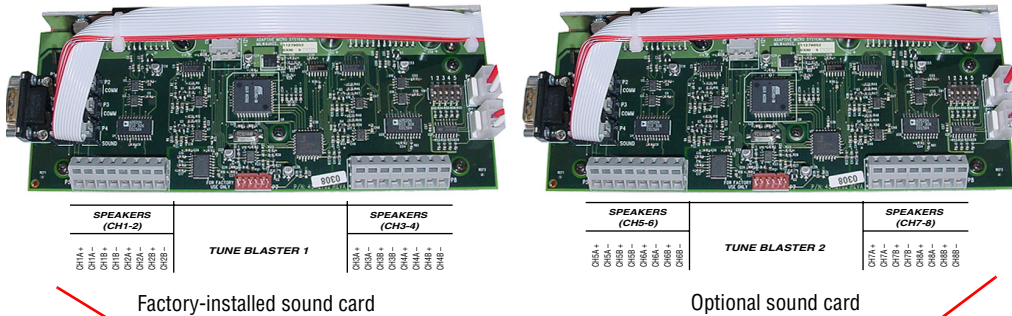
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3

If applicable, connect the speakers to the Tune Blaster sound cards.

- A sign may have up to 16 speakers. Each speaker should be 8 ohms and at least 10 watts.
- For each speaker, insert one non-metallic, compression type connector into a speaker conduit.
- Run speaker wire (Belden 8471 or equivalent) from each speaker through the connector to the sound card inside the sign.
- Connect the wires to the sound card using a #1 screwdriver (1/16" wide tip) to depress the spring clip and insert the speaker wire.

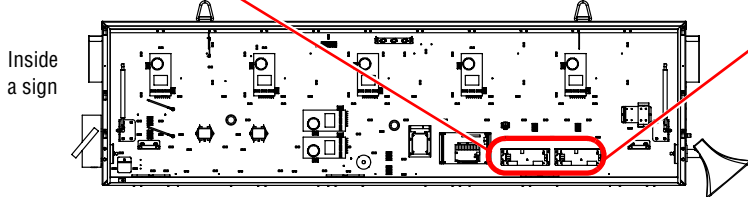


Speaker conduits on the side of the sign

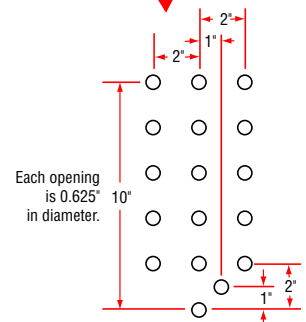
Factory-installed sound card

Optional sound card

Each sign can support up to 16 speakers.
There are 8 channels with two speakers (A and B) per channel.



Inside a sign



Each opening is 0.625" in diameter.

4

Close the sign.

- Carefully lower the panel.
- Turn the latches on the panel clockwise.



5

Connect power to the sign.

- Make sure that power is *not* applied at the power source.
- This sign should *not* be connected to a ground fault interrupt (GFI) circuit.
- Open the disconnect box.
- Run two 120VAC lines into the power conduit on the side of the sign with the disconnect box.
- Connect the wires as shown below. Do not remove the yellow wires as they provide power to the fluorescent lighting circuit. The fluorescent service light is powered, even when the disconnect box is open. The sign must be properly earth grounded.
- Close the disconnect box. Apply 120VAC power at the power source. Then move the switch on the disconnect box up to the ON position.
- Confirm that the green indicator lights are lit, indicating that power is supplied to the sign.

