

1

Open the side of the sign labeled “CONTROLLER SIDE”.

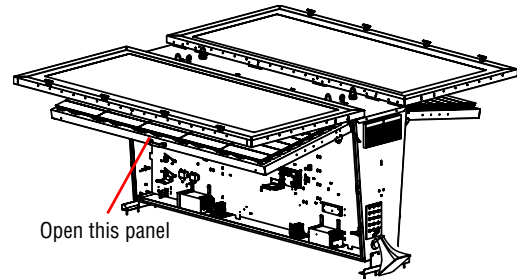
NOTE: All sign installations must be performed by qualified personnel.

- 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.

Be aware of the following safety considerations when installing signs:



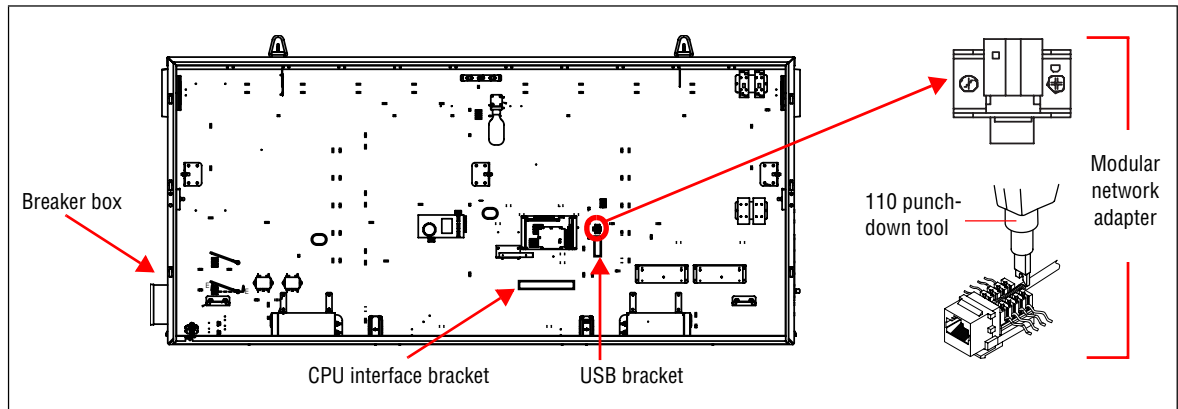
Open the panel identified as **CONTROLLER SIDE** on this label, attached to the bottom of the sign.



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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3**If applicable, connect sign to KVM extender, USB extender and/or remote reset button (DB25).****To connect the sign to the KVM extender:**

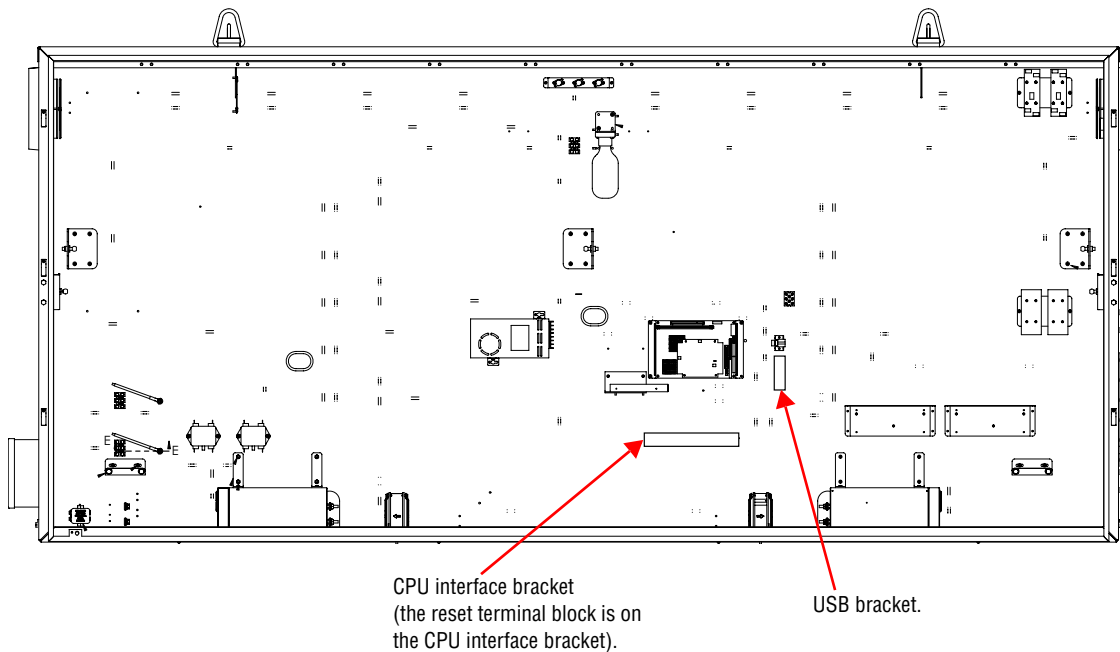
- Route Category 5 T568A cable (with RJ45 connector) from the control station into the sign communications conduit (maximum length: 70 meters/230 feet).
- Connect the cable to the KVM transmitter.
- Attach the KVM transmitter to the appropriate connectors on the CPU interface bracket.

To connect the sign to the USB extender:

- Route USB cable from the control station to the sign communication conduit.
- Connect the cable to the appropriate connector on the USB bracket.

To connect the sign to the remote reset button:

- Route 16AW6 wire from the control station to the sign communication conduit.
- Strip wires 1/2" and connect to the reset terminal block on the CPU interface bracket.



4

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.

SPEAKERS (CH3-4)
CH3-
CH4-
CH3+
CH4+
CH3-
CH4-
CH3+
CH4+

TUNE BLASTER 1

SPEAKERS (CH7-8)
CH7-
CH8-
CH7+
CH8+
CH7-
CH8-
CH7+
CH8+

TUNE BLASTER 2

SPEAKERS (CH5-6)
CH5-
CH6-
CH5+
CH6+
CH5-
CH6-
CH5+
CH6+

Factory-installed sound card Optional sound card

Tune Blaster cards are installed with the speaker connections face *down*, not up as shown here.

Inside a sign

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

Speaker conduits on the side of the sign

Each opening is 0.625" in diameter.

Dimensions: 10" height, 2" spacing between openings, 1" offset from bottom.

5

Close the sign.

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

WARNING

Possible fall hazard. Remain clear of door when opening.

SM10022

6

Connect power to the sign.

Note: This sign should *not* be connected to a ground fault interrupt (GFI) circuit.

- Make sure that power is *not* applied at the power source.
- Run two 120VAC lines (run one line for single-sided signs) into the power conduit on the side of the sign with the circuit breaker box.
- Open the circuit breaker box.
- Connect the wires to the circuit breaker(s) (one for single-sided signs, two for double-sided signs). 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 circuit breaker box. Apply 120VAC power at the power source. Then move the breaker switch to the ON position and confirm the green indicator light is lit, indicating that power is supplied to the sign.

WARNING

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

SM1000A

AVERTISSEMENT

COURANT DE FUITE ELEVE. Raccordement à la terre indispensable avant le raccordement au reseau.

WARNING

HIGH LEAKAGE CURRENT. Earth connection essential before connecting supply.

SM1000A

Side view

Breaker box

On/off switches (single-sided signs only have one switch)

Inside view

Input

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