

RGB Freedom SERIES

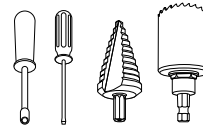
Install Instructions

Voltage

This sign operates at either 120VAC or 240VAC.

What You Need:

Small Flat Head Screw Driver
(for Wire Termination)
Power Drill
Stepper Bit or Hole Saw
(for Conduit Entry)



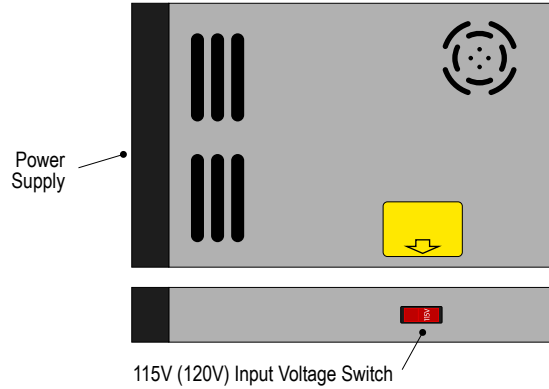
Always turn off
the power prior
to installation.



Be sure any metal
debris cleared
out of the cabinet.

Before You Install

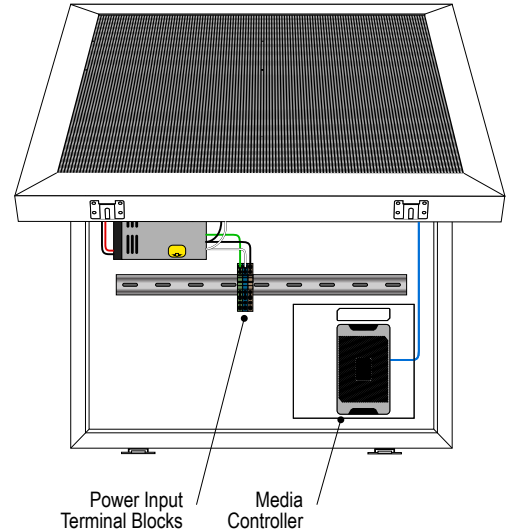
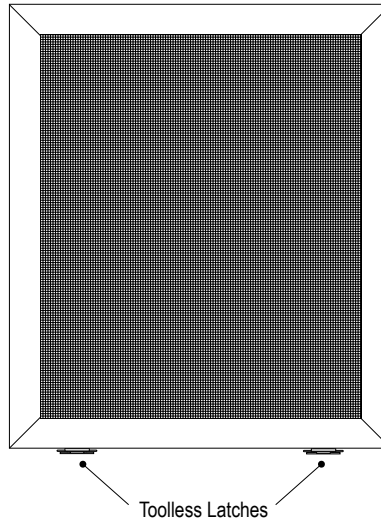
1. Ensure adequate power can be supplied by the facility's electrical infrastructure according to your specific sign's requirements
 - Refer to the spec sheet provided by Signal-Tech
 - Larger displays can draw up to 20A at 120VAC
2. Ensure adequate rigging and mounting hardware are used
 - Consult a PE and follow best practices
 - Larger displays can weigh over 300lbs.
3. **Verify input voltage setting on 5mm pitch models**
 - **This setting will be at 115V (120V) from the factory**



Installation Steps

Opening the Sign

1. Use the toolless latches (located on the bottom of the unit) to open the display's face, which hinges from the top.



Mounting the Sign

2. Standard mounting consists of two horizontal rows of M8x1.25 sealed Rivnuts. (Note: Spacing, quantity and number of rows will vary)

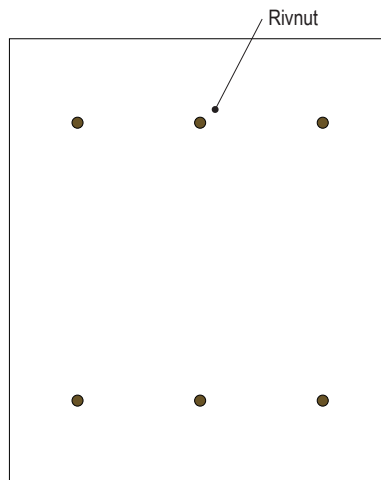
Different fastener hardware may be required depending on the thickness of the mounting surface.

You may have different provisions than what's shown below. Please see any specific documentation included with the mounting assembly.

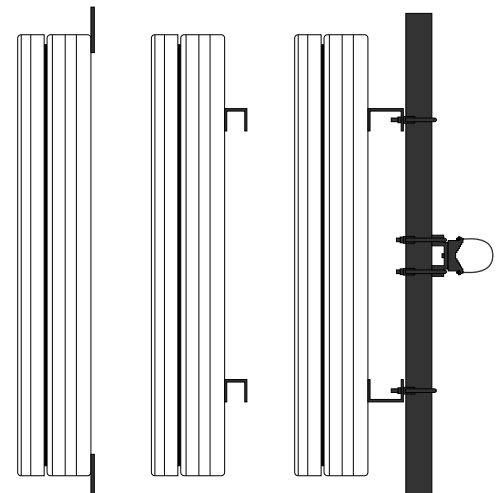
Any holes made into the cabinet for mounting or wiring must be sealed and have any chips or debris cleaned out.



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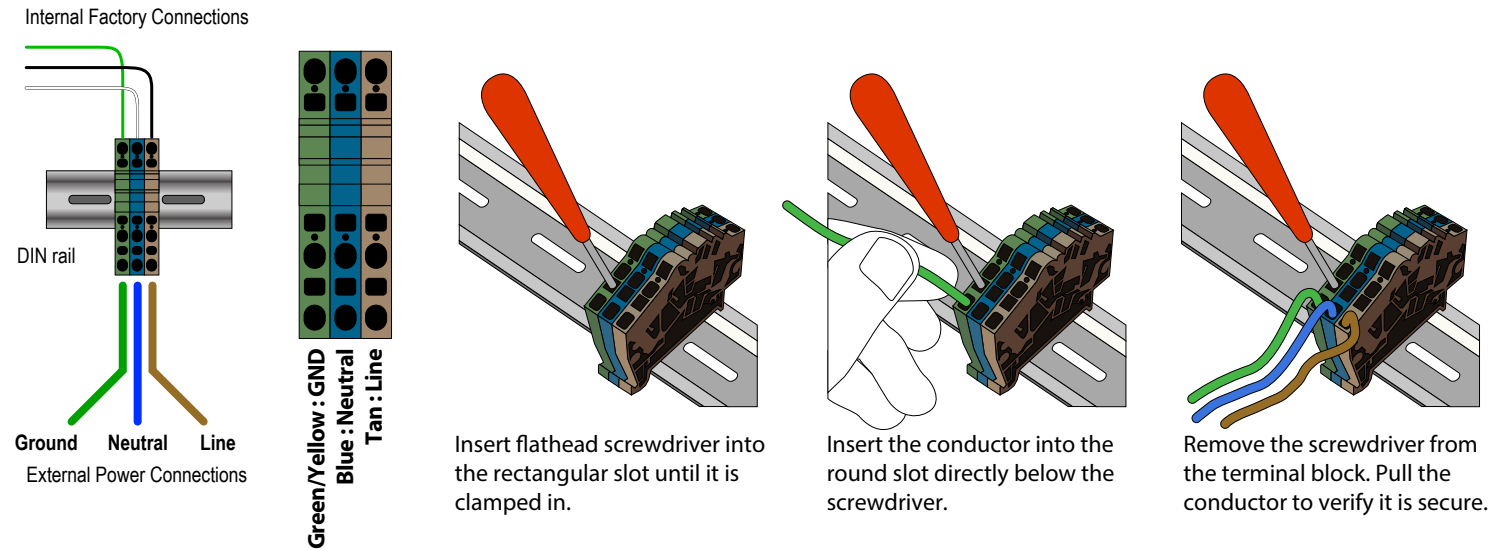
Back Side of Cabinet



3. Make your electrical wiring connections.
(see wiring guidelines on the next page).

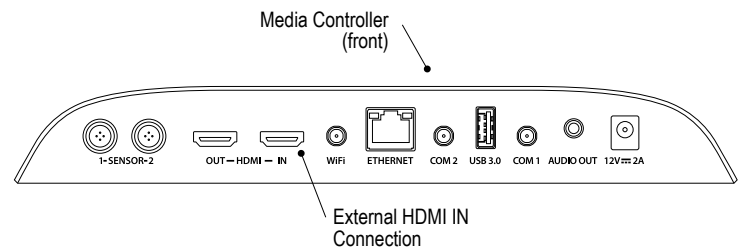
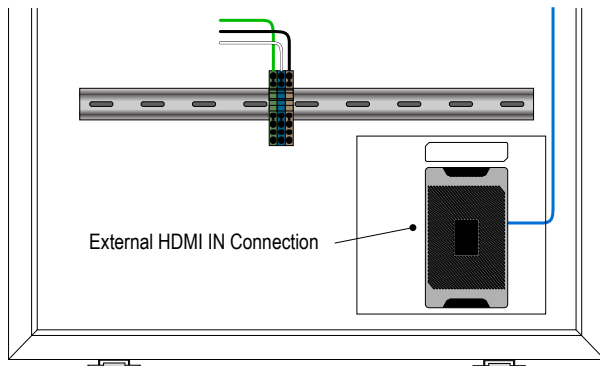
Making your External Power Connections

1. Locate the DIN rail-mounted terminal blocks inside the sign (Green, Blue, and Tan).
2. Using a small flathead screwdriver, follow the diagram below to make your connections.
 - **Note:** These terminal blocks support 26AWG to 12AWG wire with a cross-section of 2.5mm²



Connect your HDMI Source

1. Locate the HDMI-IN port on the media controller and plug in your HDMI source



Configuration Tips

1. The display should show the source content within one minute of powering on
2. The source content should be resized to (or close to) the display's resolution
 - The media controller will automatically scale content that is not at its native resolution
 - **Note:** The Product Number will contain the display resolution (eg., RGB128x256-5mm)



Warning Statements

Note: Make appropriate wiring connections per local code.

Note: Any holes drilled into sign cabinet **MUST** be sealed. Failure to do so may cause a short and void warranty.

Note: This unit contains a built-in CLASS 2 LED driver.

Note: This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electric Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.



WARNING: Risk of Fire or Electric Shock. Do Not interconnect output terminations.

AVERTISSEMENT: Risque d'incendie ou de choc électrique. Ne pas interconnecter les terminaisons de sortie.