

# RGB Rebel SERIES

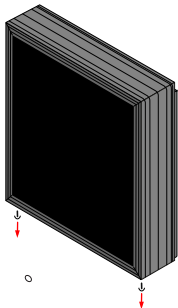
Indoor / Covered Outdoor RGB Sign Install Instructions

## Voltage

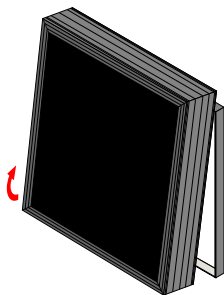
This sign operates within an input range of 100VAC to 240VAC.

## Installation Steps (Wall Mount)

1. Remove the two screws on the bottom of the front frame of the cabinet.



2. Lift cabinet open. **Note:** Cabinet can be removed from backing plate for easy wall mounting.



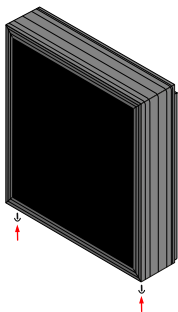
3. All conduit connections **MUST** be water tight and preferably on the bottom of the cabinet. Any metal debris **MUST** be cleared out of the cabinet.



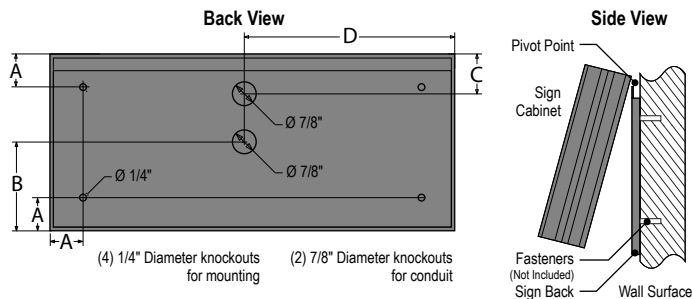
Be sure any metal debris cleared out of the cabinet.

4. Make wiring connections following wiring instructions

5. To close, rest cabinet on lip of back plate and hinge closed. Replace the two screws removed in step 1.



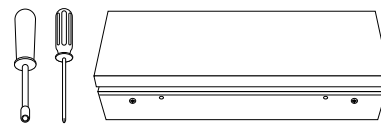
All dimensions measured from the edge of the cabinet



Cabinet High x Wide (Inches)	Dimension A Mounting Holes Vertical & Horizontal	Dimension B Center 7/8" Knock-out Vertical	Dimension C Top 7/8" Knock-out Vertical	Dimension D Center Knock-outs Horizontal
H x W	1 1/4"	Half of Sign Height	1 1/4"	Half of Sign Width

## What You Need:

Phillips Head Screw Driver  
5/16" Nut Driver  
Appropriate Wall Fasteners  
Pencil  
Level



Always turn off the power prior to installation.

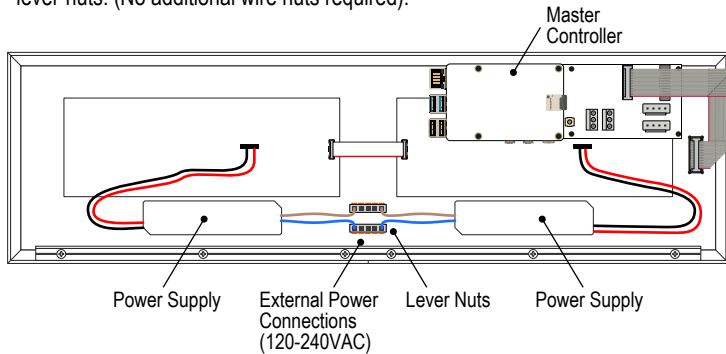


Be sure any metal debris cleared out of the cabinet.

## Making your Power Connections

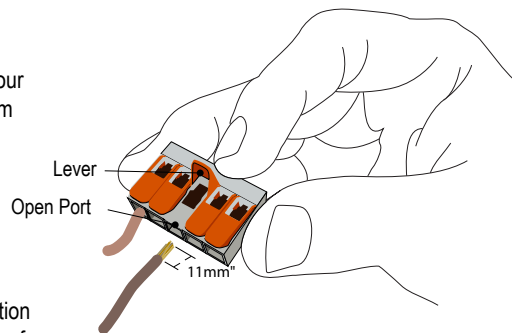
1. Bring input power and communications through separate conduit. Weather-proof all connections made through the cabinet.

All power terminations should be made using the provided 5-conductor lever-nuts. (No additional wire nuts required).

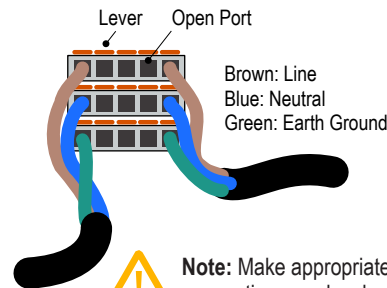


Be sure any metal debris cleared out of the cabinet.

2. Strip the ends of your input wires to 11mm using the guide on the side of one of the lever-nuts.



3. To make a connection pull up on the lever of an open port insert wire conductor and push lever back down to lock wire in place.



4. You're done with the electrical! Time to move on to the communications connections.



**Note:** Make appropriate wiring connections per local code.

## Power Wiring Guidelines

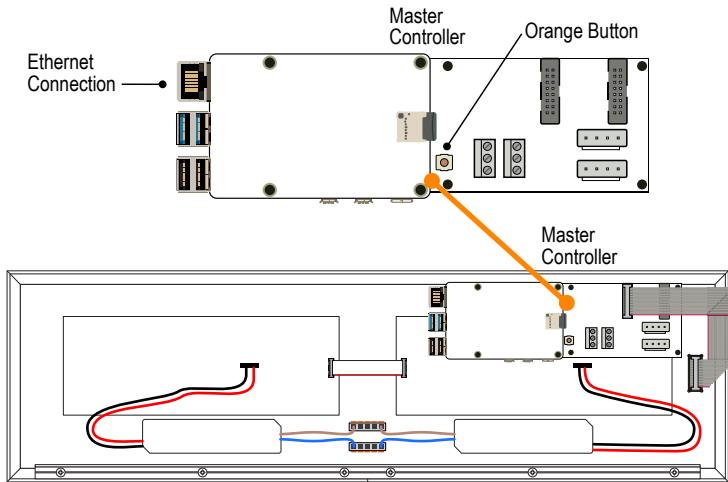
Number of Messages	Typical Wire (Lead) Colors
Line	Brown
Neutral	Blue
Earth Ground	Green



# Making your Communications Connection

## Instructions:

1. With the sign disconnected from power, make the Ethernet connection at the **master controller**



2. Choose your connection method; DHCP or Configurable Static IP

### To connect using DHCP:

Power on the sign; after 10-15 seconds it will make a request for an IP address from the server

Default DHCP hostname: **signaltech**

MAC address is provided on a sticker on the side of the sign

Using the included Smart Sign Install Log is recommended for keeping track of your devices

Assign the sign a DHCP reservation

## Network Requirements :

**Connection Type:** Wired Ethernet (CAT5/CAT6)

**Network Configuration Options :** DHCP (Default) or Configurable Static IP (see step 2 instructions below)

**Default Static IP:** 192.168.101.45

**Primary Communications Port :** 10001

**Web Interface Port :** 80

### To connect using a Configurable Static IP address:

Power on the sign and wait for the display to blank out (about 10-15 seconds)

Find the small orange button on the **master controller**

Press and hold the small orange button (about 5 seconds)

The sign display should then show **STATIC**, indicating that the sign has been switched to Static IP Mode

Go to 192.168.101.45 in a web browser

Default username/password are **blank**

Configure your device with desired network settings

It is highly recommended to set a device username and password

## Sign Control:

3. Choose your control method; Signal-Tech Sign Control Software or Third-party Control Software

### If using Signal-Tech's Sign Control Software:

Add the sign into the software using its assigned IP address  
(refer to software manual override in the software)

**Note: Sign will not illuminate until it is assigned a schedule or manual override in the software**

### If using a third-party control software:

Refer to the system's documentation or contact a representative of the system/software you are using

Refer to our API documentation for interfacing directly with the sign  
Contact a Signal-Tech representative for information on how to use your sign with a 3rd party system



## 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.