# Installation Guide

**Standard Hinged Front Access** 



# INFORMATION AND WARNINGS

This manual is intended to be used only as a general reference and does not include all instances of installation or electronic message center (EMC) type, size, configuration, etc. It is highly recommended that all electrical connections and installations be performed by a licensed professional. All electronic message centers should be properly permitted and installed according to local and national building codes.

# Contact the Technical Support Team at 1.800.285.2504 for any questions regarding installation, electrical connections, communication, etc.

#### SAFETY

- It is imperative that all safety guidelines and instructions are followed throughout the installation process.
- Make sure to wear protective gear, including but not limited to gloves and safety helmets, during installation.
- Make sure to follow all warning labels in this manual and on the electronic message center.

#### **ELECTRICAL**

- All electrical connections must be installed according to the National Electrical Code (NEC) as well as local codes in the place of
  installation.
- All electrical installations should be made by a licensed professional.
- All EMCs should be installed with a dedicated circuit. DO NOT install the EMC on a shared circuit with any other devices, such as lights, other signs, etc.
- All EMCs should be properly grounded to the electrical system at the place of installation.
- EMCs are designed to run on a single phase, 110-240 VAC. Each EMC will have different electrical requirements. Be sure to check the quote or documentation agreed upon for electrical requirements specific to your EMC.

#### **VENTILATION**

• The EMC should be properly ventilated to prevent voiding the warranty. (See Ventilation Requirements)

#### **STRUCTURE**

 DO NOT directly drill into the body of the EMC cabinet. The integrated aluminum angles on the back of the EMC are designed for installation onto any structure.

#### SERVICING

- DO NOT service the EMC during heavy wind, rain or snow.
- Power off the EMC using the service disconnect switch located inside of the cabinet before any servicing.
- If circumstances require the EMC to be on during service, make sure not to touch ANY energized circuit.



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# **UNCRATING YOUR EMC**

EMCs are shipped one per crate. Larger EMCs may ship in multiple crates, one for each section. Make sure to carefully unload and uncrate your EMC using the following guidelines. Please note that these guidelines are not all inclusive. Please contact customer support at 1-800-285-2504 if you have questions specific to your EMC delivery. Any damage that occurs after delivery due to improper unloading or uncrating will void the warranty.

### TOOLS NEEDED:

- 18v Battery Drill
- T-25 Torx Bit

# **INSTRUCTIONS:**

- Remove the screws located around the top borders of the crate.
- It is recommended that two people stand on either side of the crate to remove the top after screws are removed. Be sure not to let the top slide into the crate and damage the EMC.
- Remove foam, baffles, etc. from the crate.
- It is recommended that you use a forklift or hoist to remove the EMC from the crate. There is space under the EMC to secure straps; be sure not to damage the modules. See "Lifting Your EMC" section for more detailed instructions on properly lifting your sign.
- Carefully lift the EMC out of the crate and lower it to a solid, stable, flat surface.

# WHAT'S INSIDE THE CRATE?

Inside your crate, you will find the following installation tools and equipment:



**LED Sign and Accessories** 



Fasteners - Optional



Wireless Radio - Optional



**Bolts and Washers** 



Mounting Angle - Optional



Baffle - For Wall Mounted Signs

# LIFTING YOUR EMC

EMCs must be lifted properly to avoid injury or damage to the display. Please note that these are general instructions for lifting an EMC and it is the installers responsibility to make sure every precaution is taken to ensure safety.

# LIFTING BRACKETS

Lifting brackets are pre-installed. Once the sign is lifted out of the crate and into position, the lifting brackets should be removed and the holes plugged with washers and bolts to keep moisture out of internal sign components - THIS IS VERY IMPORTANT!









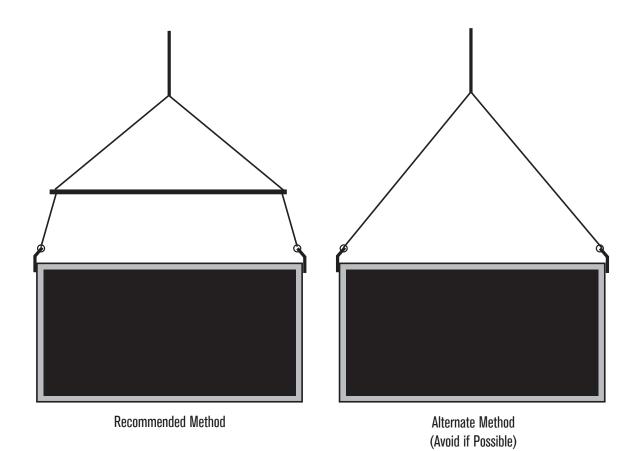
Plug Bolt with Washer

Plug these holes with bolt and washer after removing lifting brackets

**Installed Lifting Bracket** 

# LIFTING METHODS

Straps must be rated for load. Use both lifting brackets as a lifting points. Use a spreader bar when lifting to ensure even pull on the angle. If a spreader bar is not available, use lifting straps that are long enough to provide a 60° angle on the inside of the outer straps. THIS IS VERY IMPORTANT!

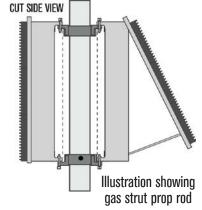


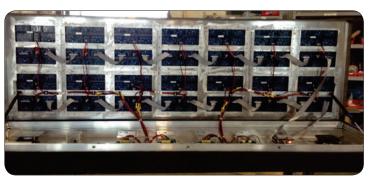
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# OPENING YOUR EMC

Before installing your EMC, you may need to access the internal components to check electrical or data connections, attach cables that were loosened during shipping, etc. EMCs can be opened by removing the bolt connectors located on the bottom of the display cabinet. An adjustable wrench can be used to remove these bolts. Once the bolts are removed, the front of the EMC will open slowly as it utilizes gas strut prop rods. This ensures that the EMC will remain safely open while any work is performed inside the cabinet. To close the front of the EMC, simply pull the hinged front down slowly and place the bolt connectors in their original locations.







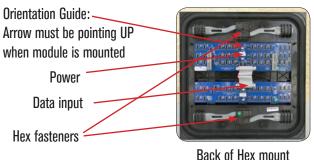
Inside of EMC

# **SERVICING LED MODULES:**

Hinged front EMCs have either LED modules that install/remove from the front, or back, depending on the fastener. Hex nut type fastener mounted modules can be installed either from the front or the back of the module. Screw type fastener mounted modules are installed only from the back.

### HEX MOUNT LED MODULES

These modules can be installed/removed using a standard 1/8" Allen wrench. Insert the Allen wrench in the small holes located on the front or back of the modules. Twist to the left about a ½ turn to unlock the module. Carefully remove the module as seen below, making sure not to dislodge any cables. If needed, data and power cables can be disconnected on the back of the module. Do not drop the loose cables inside the EMC cabinet.







Use Allen wrench to remove LED panel



Gently lift out LED panel

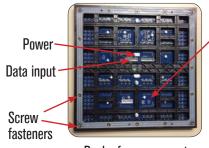
### SCREW MOUNT LED MODULES

These modules are installed/removed from the back and use a standard Phillips head screwdriver.

### REINSTALLATION OF LED MODULES:

Cables must be placed back in their original location

- Each module must be reinstalled right side up.
- It is imperative that you make sure all locks for data input and output are properly secured. Water may enter the cabinet and cause damage to electrical components if any module is not securely placed in the EMC.



Back of screw mount LED panel

Orientation Guide: Arrow must be pointing UP when module is mounted

# **GUIDELINES FOR INSTALLING YOUR EMC**

The following is intended as general guidelines for installing an EMC. It is the installer's responsibility to make sure that all support structures are adequate to hold the weight of the EMC and that all structures conform to national and local building codes.



#### **MOUNTING STRUCTURE:**

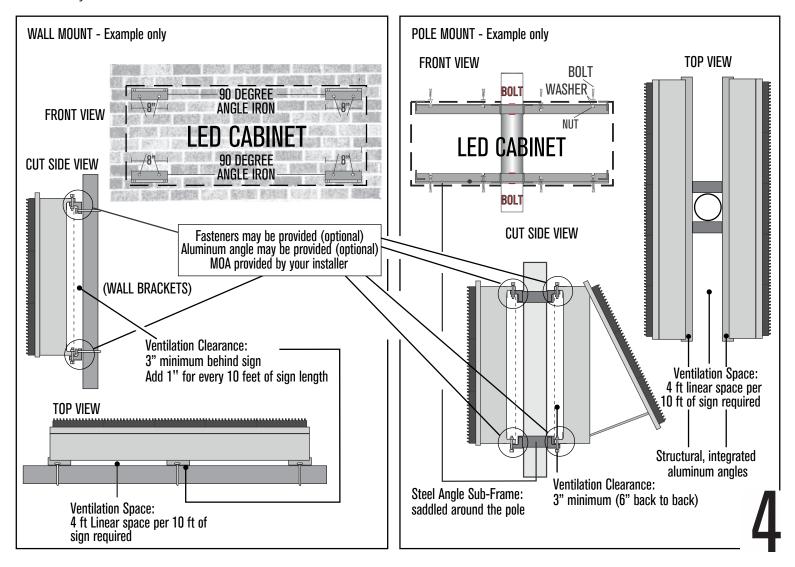
EMCs ship with 1-3/8" integrated aluminum angles. These angles are structural and intended to be used for mounting sign. Additionally, 3" angles are typically provided (optional) on EMCs larger than 5' x 12'.

- EMCs must be mounted using angles. In the case of a pole mount, that angle is steel. Mounting holes can be drilled as needed into in horizontal angle. Mounting angles should then be attached.
- DO NOT DRILL HOLES INTO THE BODY OF THE SIGN.
- Top and bottom horizontal angles should be utilized to ensure proper stability.

EMC weight and size, wind conditions, soil, and building codes are all imperative to the method of installation chosen. We highly recommend that you use a licensed professional to install your EMC.

### COMMON INSTALLATIONS

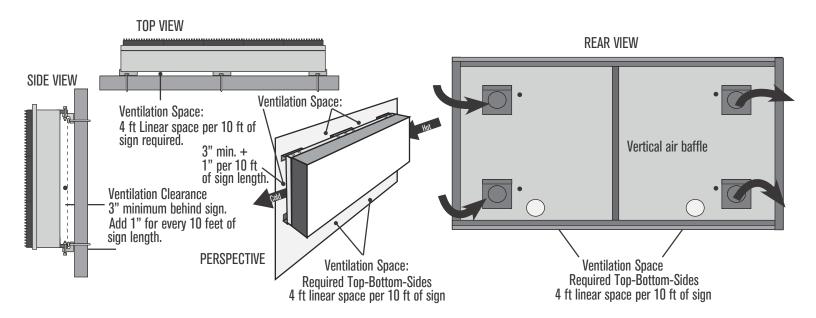
While EMC installations vary in intricacy and size, there are common items that can be covered. Each individual installation will have unique requirements and the following is meant as an overall concept. These examples are not to be used as engineering drawings. Your method of attachment (MOA) will be determined by the installer.



# **VENTILATION**

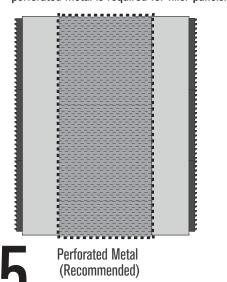
Proper ventilation must be available or the sign may overheat causing damage to the components that is not covered by warranty. Intake and exhaust vents can be found on the back of each sign. The fans inside the sign push air from the intake vents, across the components and out through the exhaust vents. Access to fresh air must be present to maintain warranty coverage.

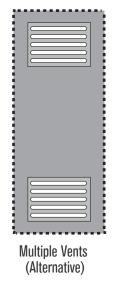
- Intake and exhaust vents must not be blocked by any structure.
- A minimum of 3" is required behind the EMC and 6" when two EMCs are mounted back to back. Wall installations require that 1" of space be added for every 10' of display length.
- Ventilation is required on the top, bottom and sides of all mounting structures. Make sure all spacing is evenly divided throughout the length of the EMC.
- A minimum of 2" is required around the EMC cabinet when installing into other signs or structures.



#### EMC CABINETS MOUNTED BACK TO BACK:

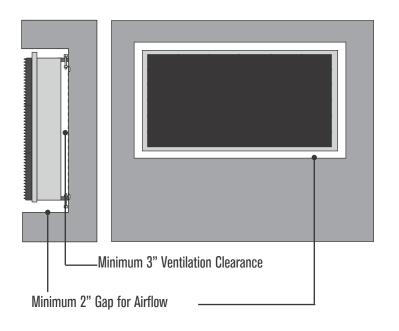
In the case of back to back mounts, a vertical air baffle will need to be installed in the center of the EMC cabinet back. The baffle will separate the intakes on the right side of the cabinet from the exhaust on the left side, preventing circulation of hot air back into the EMC cabinet. This will only be required when two cabinets are wrapped with filler panels - perforated metal is required for filler panels.



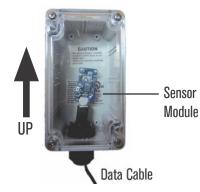


#### RECESSED INSTALLATIONS:

In the case of recessed-type installations, gaps must be present to allow air circulation for the intake and exhaust vents. When covering gaps, 1/16" perforated aluminum is recommended to allow the most air flow.



# LIGHT SENSOR INSTALLATION



- The light sensor comes preconnected to the hardware inside the EMC. The data cable is run through the black
  plastic bushing next to the temperature probe.
- Be sure to mount the sensor in such a position that it receives the same light as the EMC face.
- Do not mount directly onto the EMC cabinet.
- Due to potential water damage, the warranty will be voided if the light sensor is not mounted right side up.
- Take special care not to damage the light sensor or cable during installation.

#### MOUNTING INSTRUCTIONS

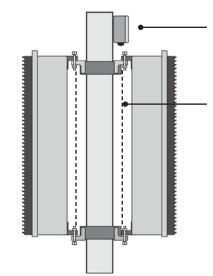


Sensor Location: For optimal brightness control, the sensor must receive the same amount of light as the EMC face.

To mount the sensor to a wall or structure, use self-tapping screws. DO NOT MOUNT TO THE EMC CABINET.

Data Cable preconnected inside EMC. Take care not to damage during installation.

## **IDEAL MOUNTING LOCATIONS**



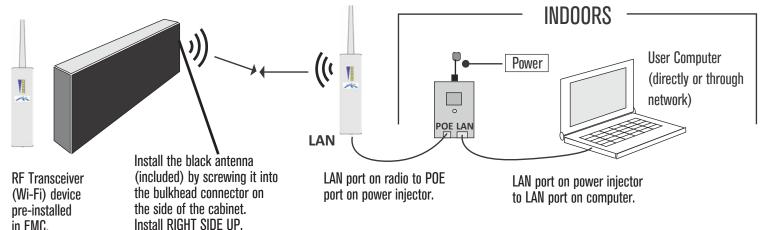
Mount in areas that receive the most amount of light, away from shadows.

DO NOT mount behind the sign or inside an enclosed structure.

# WI-FI DEVICE INSTALLATION

The sign's RF transceiver (Wi-Fi) will be premounted inside the LED Cabinet. The antenna that feeds information to the sign Wi-Fi will need to be attached to the outside of the cabinet after the sign is installed.





# PARTS YOU WILL RECEIVE WITH YOUR WI-FI DEVICE:



connection

# PROPER INSTALLATION:

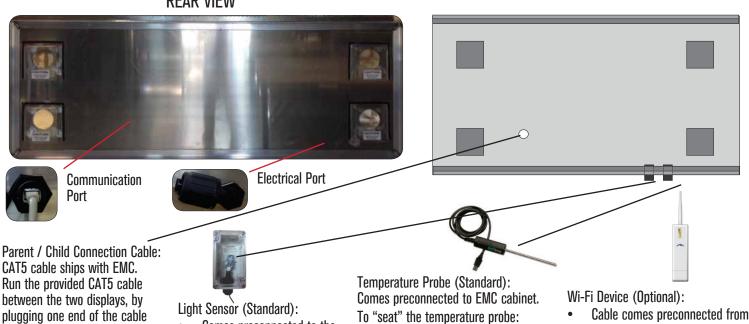
in EMC.

STEP 1 STEP 2 Wall Wall Antenna - pointing up OUTSIDE **Mounting Bracket** Open slot on top. Transmitter Attach with screws Slides onto mounting bracket or silicone adhesive. 3" minimum **Network Cable Network Cable** CAT5e cable through wall. RJ45 termination. Plugs into transmitter.

# CONNECTIONS

All EMCs are shipped with data and power entry points on the back of the sign. Generally, short leads are provided at each power entry point and data cables are connected at the factory (when possible). All electrical connections should be made by a licensed electrician, following national and local electrical regulations.

### **REAR VIEW**



CAT5 cable ships with EMC. Run the provided CAT5 cable between the two displays, by plugging one end of the cable into the RJ45 connection on the back of the parent and plugging the opposite end into the RJ45 connection on the back of the child display.

- Comes preconnected to the EMC.
- Light sensor is run through a black plastic bushing on the bottom of the parent display.

- 1) Turn the black plastic bushing counter-clockwise to loosen.
- Pull the temperature probe and its PVC tubing down as far as it will go.
- 3) Re-tighten the bushing.
- the EMC to the cable to the radio unit.
- To install the included black antenna, simply screw it onto the bulkhead connector on the side of the cabinet.



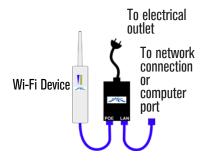
Light Sensor

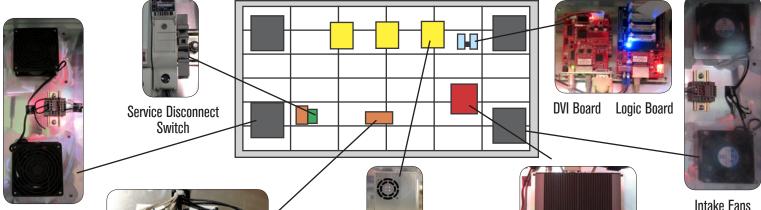


**Not Seated** 



Seated





**Exhaust Fans** 

**Power Terminal** 

**Power Supplies** 

Controller

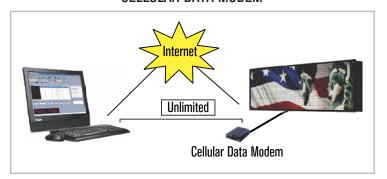


# **COMMUNICATION METHODS**

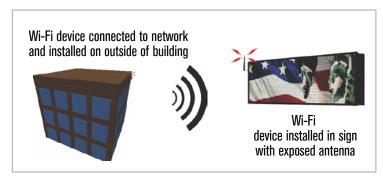
We offer many ways to communicate with your EMC. Every EMC comes standard with an embedded industrial PC that has a network IP address just like any other computer.

# **WIRELESS COMMUNICATION OPTIONS:**

### **CELLULAR DATA MODEM**



### WI-FI

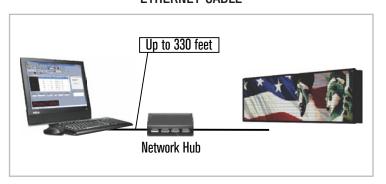


# **CUSTOMER PROVIDED WIRELESS DEVICE**

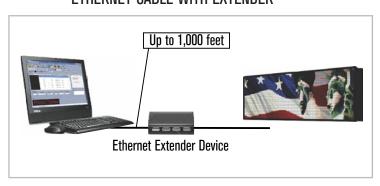


# **WIRED COMMUNICATION OPTIONS:**

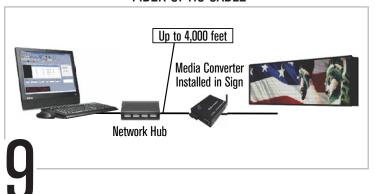
### **ETHERNET CABLE**



### ETHERNET CABLE WITH EXTENDER



### FIBER OPTIC CABLE



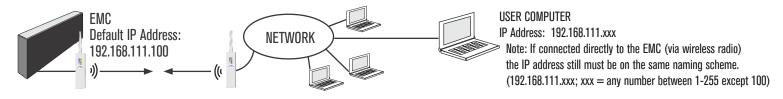
### LAPTOP CONNECTION



# WI-FI DEVICE INSTALLATION

### NETWORK SETUP AND COMMUNICATIONS

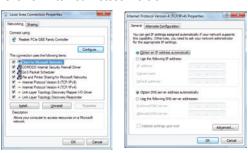
The embedded PC in your EMC has an IP address like any other computer on a network. In order to communicate, your computer must be on the same network as the EMC and have an IP address that is on the same IP naming scheme.



# HOW TO CHANGE YOUR COMPUTER IP ADDRESS

Warning: DO NOT change your IP address without your Network Administrator's permission. You may lose connectivity to your network if you change your IP address incorrectly. These instructions carry no guarantee and no liability. If you are unsure, please call your Network Administrator or Technical Support.

- 1. Go to the Windows Start Menu and select Control Panel.
- 2. Type adapter in the search box, then select View Network Connections.
- 3. Double click on the network connection that you will use to connect to the EMC.
- 4. Double click on Internet Protocol Version 4



- 5. Write down ALL of the current setting in this window, so that you can revert back later if needed.
- 6. Select "use the following IP address" and enter an IP address that is on the same naming scheme as the EMC. Remember, the last numbers must be different than the sign.



- 7. Press the TAB key on your keyboard. This should auto-fill the Subnet Mask
- 8. Set your Default Gateway. This is not required to connect to the sign, but is required if you want to connect to the internet through your network.
- 9. Set your DNS Servers. These are not required to connect to the sign, but are required if you want to connect to the internet through your network.
- 10. When you are finished, press OK.
- 11. Then press OK on the next screen. This will implement the changes.

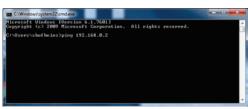
# COMMUNICATION VERIFICATION

### **COMMUNICATION TEST**

You can quickly verify communication to your EMC using a "PING" test.

Additionally, you can verify your IP address by using the "IPCONFIG" command.

- 1. Click on the Windows Start Menu.
- 2. In the search box type "cmd" then press enter. This will bring up the command window.



- 3. Type the word "ping".
- 4. Press the spacebar and type in the IP address of the EMC.
- 5. Press enter.
- 6. If you see a request timed out or destination host unreachable, then you will need to verify your computer's IP address and any communications hardware.
- 7. If you do get a response, then you are in low level communication with your EMC. You can now enter the IP address of the EMC into the software and transmit messages to the sign.

#### TROUBLESHOOTING

If Communication Cannot be Established:

- Check the power indicator at the building and sign radio.
- Check the signal strength indicator on the radios.
- Make sure the network cable is plugged into the correct port on the POE Injector and the computer. POE port goes to the radio and LAN port goes to the user computer.
- Contact technical support at
   1-800-285-2504 if the problem cannot be resolved.

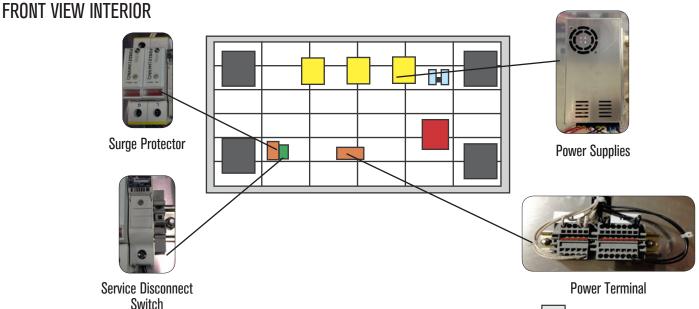


# POWER CONNECTIONS

- All electrical connections should be completed by a licensed electrician following all national and local codes.
- Make sure that clean, properly grounded power with the correct voltage, wire size and breaker are supplied to the EMC. Failure to do so will cause the warranty to be void.
- Proper earth-ground must be run from the sign to a grounding rod using national codes.

#### PRIMARY POWER:

Each EMC has a power entry point with a preconnected lead. Larger EMCs will have more than one lead, the number depending on amperage required. As a general rule, each lead will not pull more than 16amps. The electrician is responsible for using a breaker size that meets national and local codes.

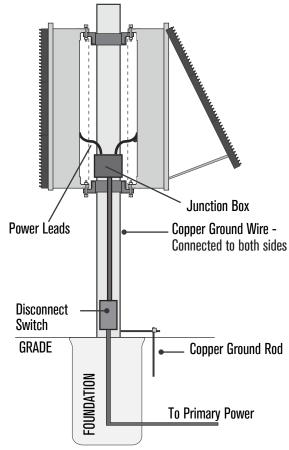


### **EARTH-GROUND:**

All EMCs must be earth-grounded to minimize static currents and lightning damage. The sign's structure or foundation will not provide sufficient earth-ground for the sign. A properly installed copper ground rod must be used.

# BEFORE POWERING UP THE DISPLAY

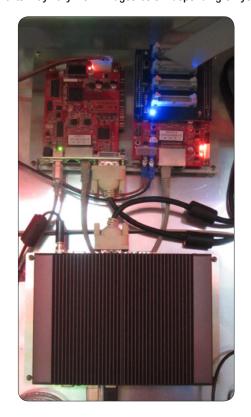
- Make sure conduit fittings are tight and sealed.
- Check to ensure that the conduit runs will not block access.
- Check all connections and ensure no wiring is exposed or has been cut.
- Clear any fabrication debris.
- Check that all display disconnect switches are turned off.
- Turn on main power and verify proper voltage is supplied.
- Turn on the sign display at the disconnect switch.



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# **COMPONENT IDENTIFICATION**

Parts may vary from images below depending on your specific EMC model, size, etc. as well as ongoing product improvements.



Basic system view including controller and logic board



Embedded PC Controller showing connections.



**Surge Protector** 



Service Disconnect Switch



**Power Supply** 



**Light Sensor** 



Temperature Probe



Logic Board

Wi-Fi Radio and Accessories



**DVI Board Sender Card** 



**Power Terminal** 



Transmitter & Antenna



Power & Network Connection



Two Network Cables

# **Limited Product Warranty**

**Definition of Warranty Coverage:** 

Redmont Sign LLC dba Stewart Signs (the "Company") expressly warrants to the original purchaser ("You" or "Buyer" or "Owner" or "Customer") that, for a period of five (5) years from the date of shipment (the "Warranty Period"), the electronic displays and the associated company products (the "Product") will be reasonably free of defects in materials and workmanship. During the Limited Warranty Period the Company will, at its discretion, repair or replace any defective covered product. This Limited Warranty only applies to the Company's Product if installed, used, and maintained in the manner recommended by Company and this Limited Warranty is conditioned upon compliance with all such instructions.

Sign Structure and Sign Face: Under normal use and service should the sign structure or identification/changeable copy portion of the sign malfunction DURING THE LIFE OF THE SIGN due to defects in workmanship or materials, with the exception of lamps and ballasts, the Company will, at its option, repair or replace any defective materials. Vandalism to Sign Faces: This limited warranty covers polycarbonate faces against breakage due to vandalism DURING THE LIFE OF THE SIGN. Warranty protection does not extend to these surfaces if damaged by gunshots, or when damaged coincident with the damage to the sign cabinet.

Failed electronic parts or assemblies will be repaired, exchanged or replaced, at the discretion of the Company. Telephone support is provided as needed during the warranty period. Removing and reinstalling repaired or replacement parts are the responsibility of the owner. Replacement or repaired parts are warranted to be free from defects in material or workmanship for ninety (90) days or, for the remainder of the Limited Warranty Period of the Product they are replacing or in which they are installed, whichever is longer.

The Company will repair failed LED pixels, if greater than 0.5% (one-half of one percent) of the total number of pixels in the sign have failed in one (1) year, provided the sign is installed with the recommended ventilation system for its location. The definition of pixel failure is when all LED's in the pixel will no longer emit light. Pixel repair is performed at the Company Repair Center. Owner bears the responsibility of transporting Product to Company's Repair Center. As known within the Sign Industry all LEDs degrade and produce less light as they age. Eventually the LEDs will require replacement even though the LEDs will still emit light. This Warranty does not cover normal LED degradation.

The Company will make reasonable attempts to repair failed radio components. The Company defines radio component failure as a radio component that does not transmit or receive data properly due to a manufacturer's defect. If the Company, at its discretion, determines a repair is unreasonable, replacement is not included in this Warranty and the third-party manufacturer's warranty will apply. Local site interference or obstructions may cause intermittent or complete failure of radio performance. This Warranty does not include the provision of replacement communication methods (such as wire, fiber optic cable, conduit, trenching or other solutions) for the purpose of overcoming local site interference. The Warranty does not cover electrical work external to the equipment, accessories, alterations, attachments, or other devices furnished by the Company. Batteries and metallic or fiber optic data cables are not covered.

**Eligibility and Warranty Period:** 

This Limited Warranty is not transferable. Service under this Limited Warranty begins immediately upon shipment to the Customer or the Customer's Authorized Reseller. Unless otherwise stated the Limited Warranty period is 5 years.

**Customer Obligations:** 

Failure by the Customer to properly maintain the Product, including but not limited to filters and the ventilation/air conditioning systems, will void coverage for affected components. The Customer shall notify the Company immediately of equipment failure and allow the Company full and free access to the Product when required. Waiver of liability or other restriction shall not be imposed as a site access requirement. The Customer is responsible for all costs and management oversight associated with providing the Company access to the Product, providing the necessary tools, machines, communication facilities and other equipment at no charge.

#### **Exclusions and Restrictions:**

The Company reserves the right to restrict service, limit replacement parts or invalidate this Limited Warranty to Customers whose account balance is past due. This Limited Warranty specifically excludes any on-site labor required to service the covered Product including diagnosis, removal and installation of parts or products. Any on-site service required by the Customer of Company technicians or a local Authorized Service Provider is billable to the customer based on an agreed upon written quote.

This Limited Warranty does not apply to software is covered by a separate Agreement, which appears in the seller's software license agreement. This Limited Warranty does not apply to any third-party hardware products or software, even if packaged or sold with the Company's Product. Manufacturers, suppliers, or publishers, other than the Company, may provide their own warranties to the end-user purchaser, but the Company, in so far as permitted by law, provides their products "as-is". This includes, but is not limited to, electronic ballasts and radio components.

This Limited Warranty specifically does not cover the following:

- 1. Third-party communications devices such as wireless devices and modems, except that the Company will facilitate the return of such components to the manufacturer if they are still within the manufacturer's warranty;
- 2. Product that has been moved from its original installation location or is mounted in a mobile structure;
- 3. Cosmetic damage to the product (including but not limited to scratches, dents and broken plastic that do not otherwise affect the functionality of the Product or materially impair its use);
- 4. Temperature sensors will register results +/- 5 degrees given local environmental factors such as direct sunlight, distance from concrete or asphalt, etc.; results are not guaranteed or covered under this Limited Warranty.
- 5. Recovery or transfer of any data or software stored on the Product not originally installed on the Product by the Company.

This Limited Warranty specifically does not cover conditions, defects or damage caused by or resulting from the following:

- 1. Defects caused by non-compliance with Company's instruction manual or any other such instructions;
- 2. Defects caused by unreasonable or unintended use of Product, improper or unauthorized handling, accident, omission, neglect, vandalism (unless otherwise noted in this Warranty), misuse, physical abuse, installation, use and/or fabrication, and maintenance of the Product by any party other than the Company;
- 3. Damage not resulting from manufacturing defects that occur while the Product is in the Owner's control and/or possession;
- 4. Extreme physical or electrical stress or interference; environmental conditions beyond the Company' control such as man-made or naturally occurring corrosives and metallic pollutants; normal wear and tear; inadequate, improper, or surges of electrical power; lightning, floods, fire, acts of God, war, terrorism, or other external causes, including Force Majeure.
- 5. Unauthorized modification including installation of third-party software on the Product.
- 6. Product modification or service by anyone other than: (a) The Company, (b) a Company Authorized Service Provider, or (c) Customer's own installation of Company approved parts with instruction from the Company.
- 7. Computer viruses, Trojan horses, worms, self-replicating code or like destructive code which was not included in the Product by the Company.
- 8. Products installed with known or visible manufacturing defects at the time of installation.

All items returned to The Company must have a Return Materials Authorization (RMA) number, available by using the contact information below. Items received without an RMA number will not be processed and returned to the Customer at their expense. For exchange items, the number is included with the shipment of the exchange unit. The defective part must be returned to the Company or the Customer will be charged the price of a replacement part.

The Company will provide and be responsible for the cost of shipping parts from The Company to the Customer, with the exception of sign faces replaced due to vandalism. For shipments weighing less than 30 lbs, the Company will ship in the US/Canada using 2nd day delivery. For shipments over 30 lbs, or outside the US/Canada, the Company will ship out using ground delivery or service of its choosing. Expedited delivery is available to the Customer at their expense. The Customer will provide and be responsible for the cost of shipping parts to The Company.

Service to a damaged or malfunctioning sign which has not been ordered or authorized by the Company' Customer Support Department is not only not covered under this warranty, but also will immediately and automatically invalidate this warranty. Removing and reinstalling any and all repaired or replacement parts are the responsibility of the owner. Warranty claims must be registered with the Company within thirty (30) days of damage or malfunction. To register a claim the Customer must contact the Company at the location specified below, providing your name and any other required contact information, a description of the Product, date of Product purchase, and nature of the defect, which may include, but is not limited to, written descriptions, photographs, video, defective parts or other evidence. The Company reserves the right to require proof of original purchase (e.g. paid invoice, receipt) and to visit the site of the installation or to require documentation of the claim before assuming any responsibility under the provisions of this warranty.

Title to the product passes to the buyer upon our delivery to the freight carrier. Loss or damage to the product when in possession of the freight carrier is the responsibility of the customer and the freight carrier is not covered by this warranty. Upon delivery, incidental blemishes and scratches are considered normal unless they can be viewed from 20 feet or more under normal use conditions. The Company assumes no liability for damage caused by careless handling or poor installation except for work completed by employees or agents of The Company. In the event the sign is damaged during shipping it is the responsibility of the buyer to refuse delivery causing the sign to be returned to the manufacturer for repair.

Any information or suggestion by the Company with respect to the Product concerning applications, specifications or compliance with codes and standards is provided solely for your convenient reference and are made without any representation as to accuracy or suitability. You must verify and test the suitability of any information with respect to the Product for your specific application.

THE LIMITED WARRANTIES SET FORTH HEREIN ARE THE ONLY WARRANTIES MADE BY COMPANY IN CONNECTION WITH THE PRODUCT. COMPANY CAN NOT AND DOES NOT MAKE ANY IMPLIED OR EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, AND DISCLAIMS ALL OTHER WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. COMPANY'S SOLE OBLIGATION UNDER THIS WARRANTY SHALL BE TO REPAIR OR REPLACE MALFUNCTIONING OR DEFECTIVE PARTS OF THE PRODUCT. BUYER ASSUMES ALL RISK WHATSOEVER AS TO THE RESULT OF THE USE OF THE PRODUCT PURCHASED, WHETHER USED SINGULARLY OR IN COMBINATION WITH ANY OTHER PRODUCTS OR SUBSTANCES.

#### Limitation of Liability:

No claim by Buyer of any kind, including claims for indemnification, shall be greater in amount than the purchase price of the Product with respect to which damages are claimed. IN NO EVENT SHALL COMPANY BE LIABLE TO BUYER IN TORT, CONTRACT OR OTHERWISE, FOR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL, RELIANCE, PUNITIVE OR EXEMPLARY DAMAGES, OR FOR LOSS OF PROFIT, REVENUE OR USE, IN CONNECTION WITH, ARISING OUT OF, OR AS A RESULT OF, THE SALE, DELIVERY, SERVICING, USE OR LOSS OF USE OF THE PRODUCT SOLD HEREUNDER, OR FOR ANY LIABILITY THAT BUYER HAS TO ANY THIRD PARTY WITH RESPECT THERETO.

Contact Information: Stewart Signs 1400 8th Street North Clanton, AL 35045 Phone: 800.285.2504

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