



DISPLAYS2GO
CONNECTING PEOPLE & BRANDS WITH THE WORLD



108" LED Video Wall

INSTALLATION GUIDE

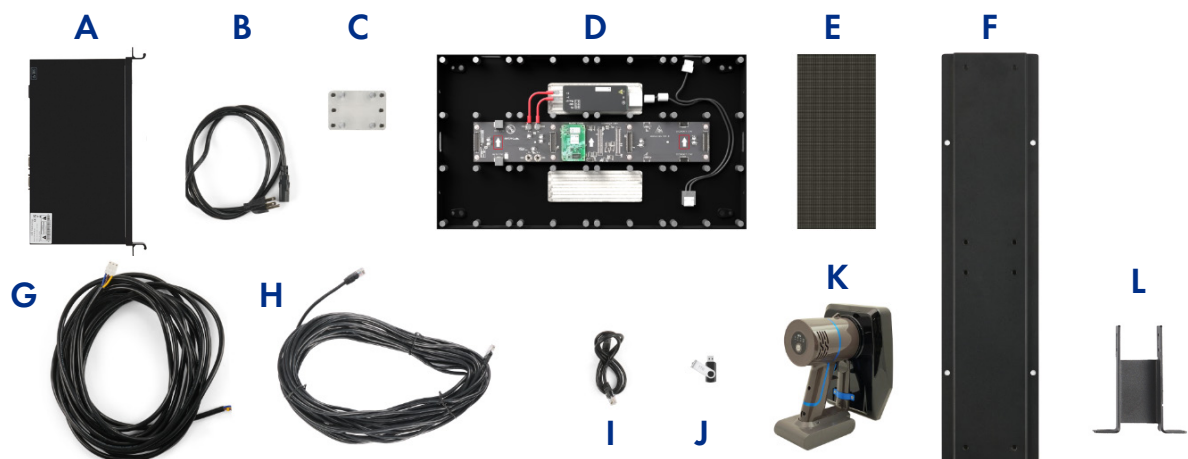
SKU: DGV108NVB

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes/modifications to this equipment not approved by the party responsible for compliance could void the user's authority to operate the equipment.

Packing List



	PART	QTY.
A	Controller	1
B	Controller Power Cable	1
C	Connector	12*
D	LED Cabinet	16
E	LED Module	64
F	Wall Bracket	6*
G	Power Main Cable	4
H	Ethernet Main Cable	1
I	RGB Cable	16
J	USB	1
K	Air Suction tool	1
L	Intermediate Wall Bracket	12

*Quantity includes spare parts.

	HARDWARE	QTY.
M	M8*50 Expansion Screw	32
N	M8*16 Threaded Post (tooth stick)	80
O	M8 Hexagonal cylindrical head screw	80
P	M8*25 Hex Screw	142
Q	M8*12 Hex Screw	34
R	M6*25 Hex Screw	67
S	M6 Nuts	67
T	Self-tapping Screws	36
U	LED Replacement Bulbs	500
V	LED Replacement Bulb Sockets	30

ADDITIONAL TOOLS REQUIRED: Electric drill, tape measure, level.

Preparation

! NOTE: PROFESSIONAL INSTALLATION REQUIRED. Handle the product with care and avoid impacts to the LED. In case of an impact, power on and check device.

INSTALLATION TOOLS

Prepare tools including ESD wrist strap or gloves, screwdriver, gradienter and multimeter before installation. Be sure to wear ESD wrist strap or gloves during installation.

PACKAGE CONTENTS

- Check that the packaging carton is intact.
- Remove the product and place it face up on a flat surface with protective measures.
- Avoid touching LED modules as much as possible to prevent dislodging LED bulbs.
- Avoid strong vibration or impact on the product.
- Check for scratches, detached LED beads, and loose or missing screws of the product. In case of such issues, mark them and place the product in the designated place for repair.
- Turn on each display unit to check that each unit is in good condition

STRUCTURAL REQUIREMENTS

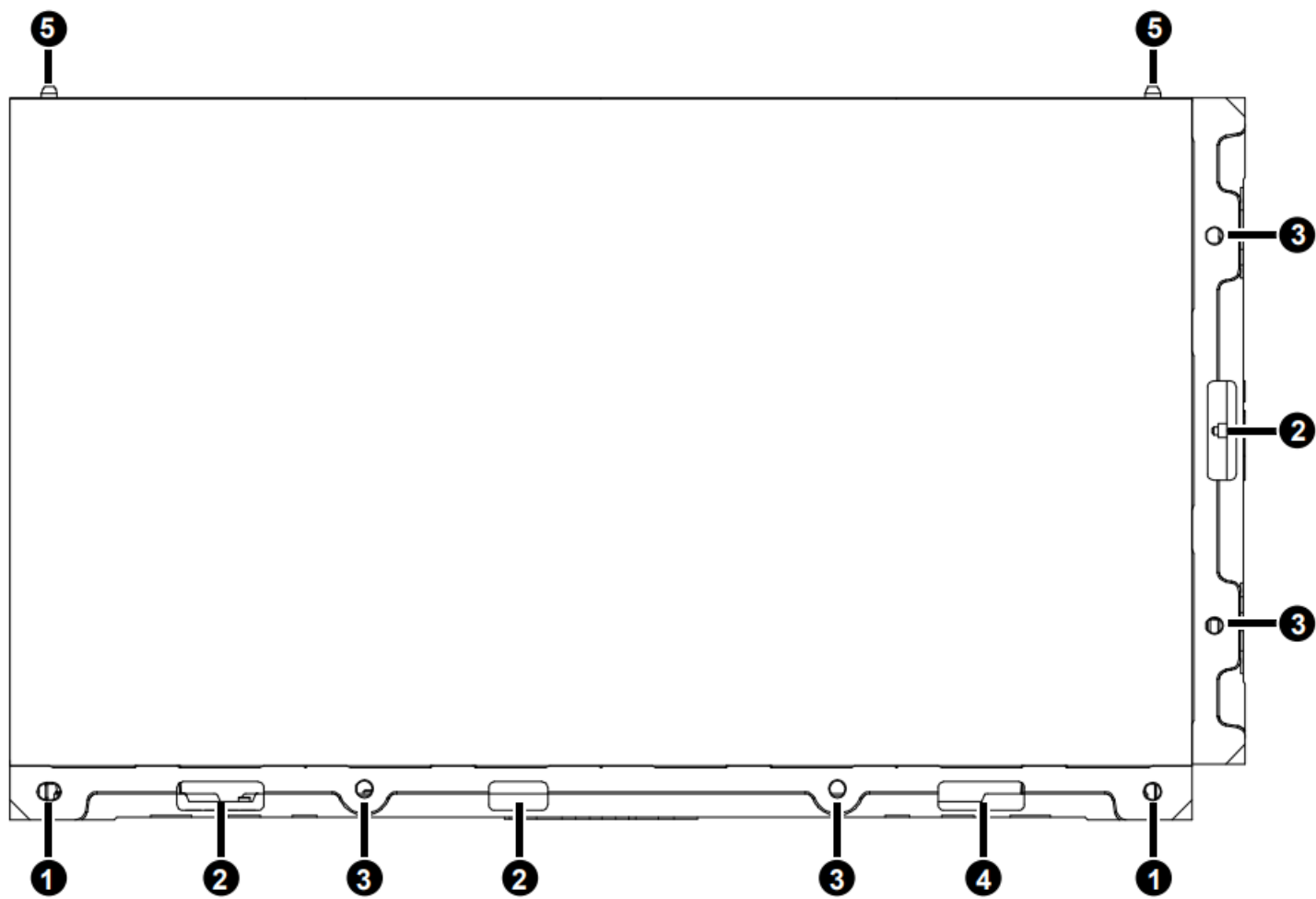
- Verify that the rack is stable and firm enough to hold the weight of the product and mount accessories.
- Ensure that the product is installed in a well-ventilated environment.
- Ensure that the floor is flat and solid with strong load-bearing capacity.
- When framing the product, protect the modules at the edges. Do not touch the module surface or apply silicone chemicals to the module. Allow at least 1 mm space between the frame and the screen for maintenance and heat dissipation. **NOTE:** Damage caused by framing the product is not covered by the warranty.

TEMPERATURE AND HUMIDITY REQUIREMENTS

- Operating temperature: -10°C to 45°C. Operation out of this range may cause device failure. Long-term operation in a high-temperature environment will accelerate the aging of insulation materials and shorten the lifetime of the product.
- Relative humidity: 8% to 85%. Long-term operation in a high-humidity environment will cause poor insulation and even electrical leakage, corrosion of metal parts, etc.; long-term operation in a low-humidity environment will cause the insulation sheets to shrink, which will cause screws to loosen, and may generate static electricity and damage the circuit.
- Leave enough space around the product to allow for heat dissipation.

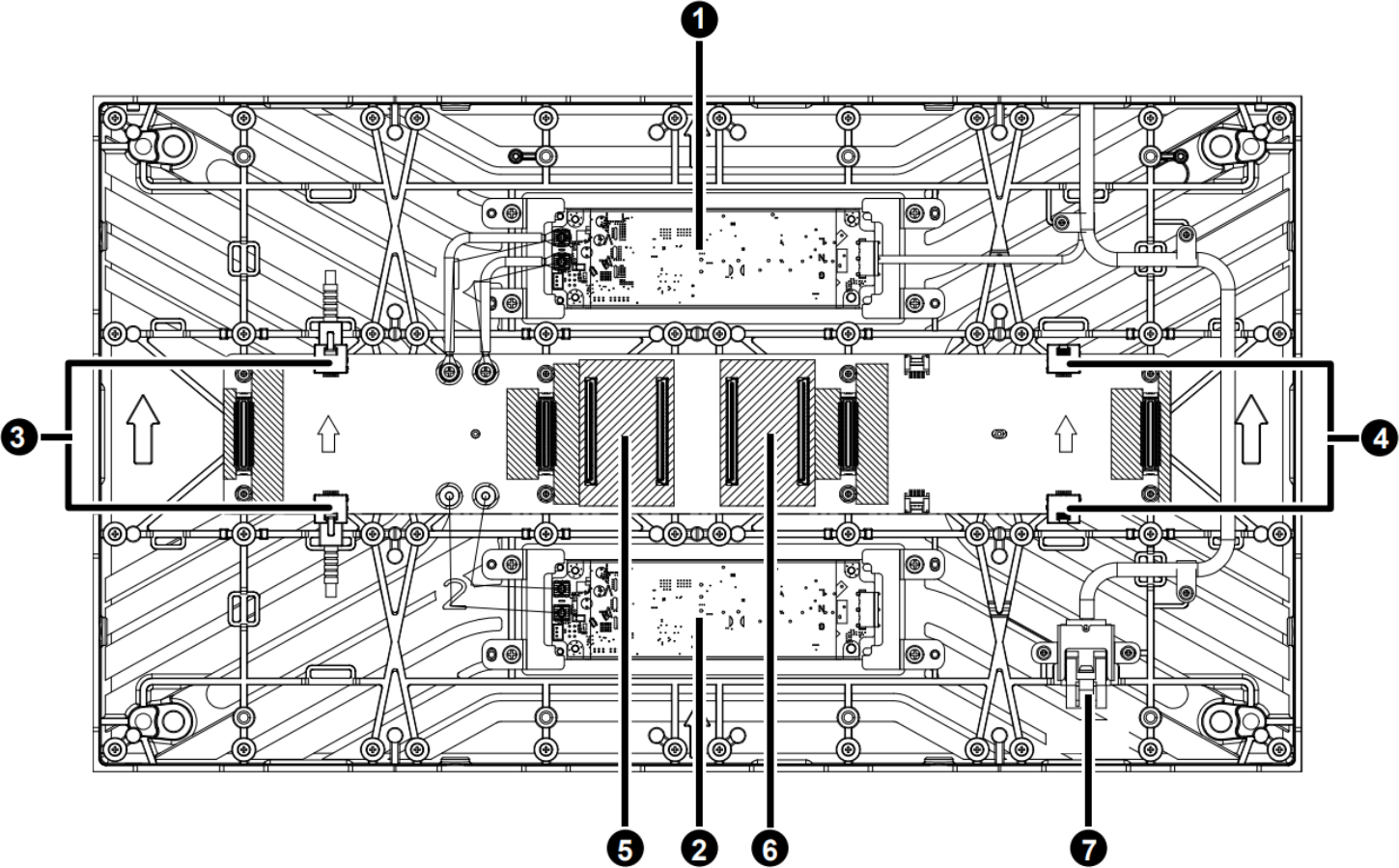
Product Overview

FRONT CABINET VIEW



1	Dowel Pin Hole
2	Network Cable Hole
3	Side Lock Hole
4	Power Cable Hole
5	Dowel Pin

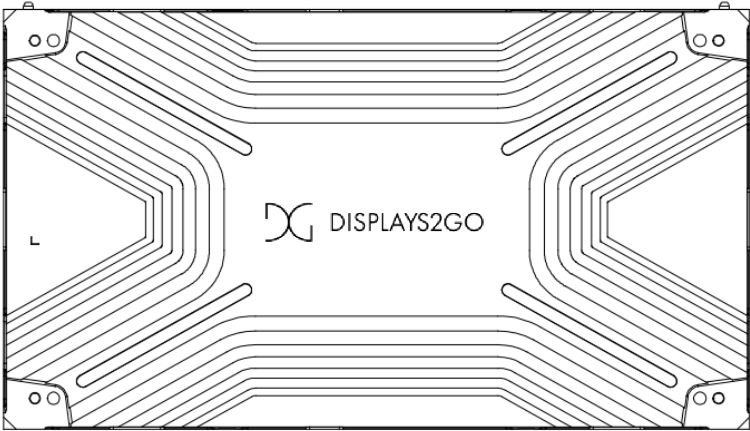
INTERIOR CABINET VIEW



1	Main Power Supply
2	Spare Power Supply (optional)
3	Network Interface
4	Spare Network Interface (optional)

5	LED Video Receiving Card
6	Spare LED Video Receiving Card (optional)
7	Power Interface

REAR CABINET VIEW



Installation Procedure

This section describes how to assemble the 108" LED video wall, mount it to the wall, and set up power and network connection. Read all safety messages and warnings before beginning the procedure.

! NOTE: PROFESSIONAL INSTALLATION REQUIRED. Wear ESD gloves and handle the LED cabinets and modules with care.

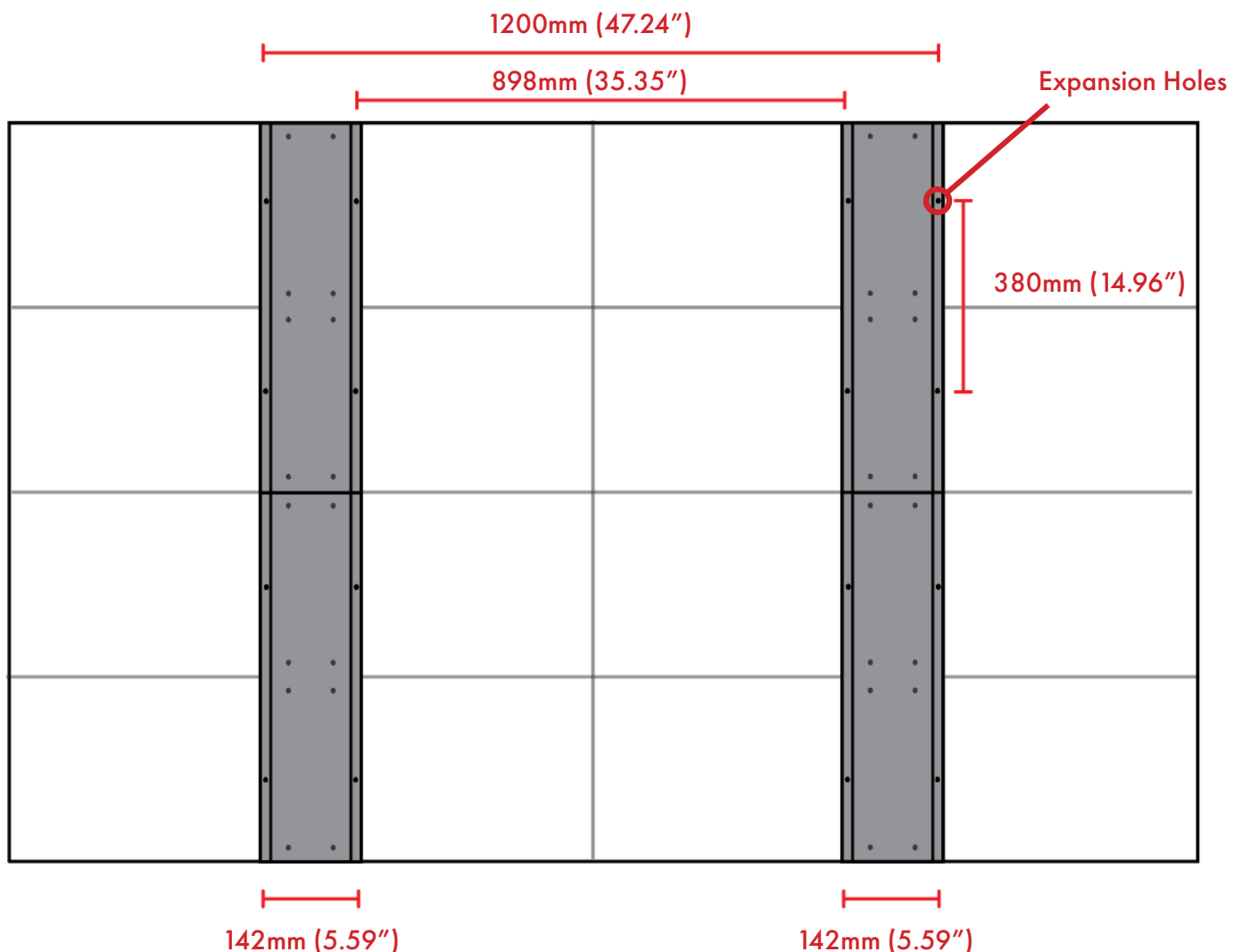
1. MEASURE WALL AND MARK LOCATIONS

97"x53.5" (2464 x 1350mm) of wall space is required. Wall must be flat and solid for safe installation.

Find the wall locations for all expansion screws for the hanging metal sheets (refer to the illustration below). Measure wall and mark locations for expansion screws.

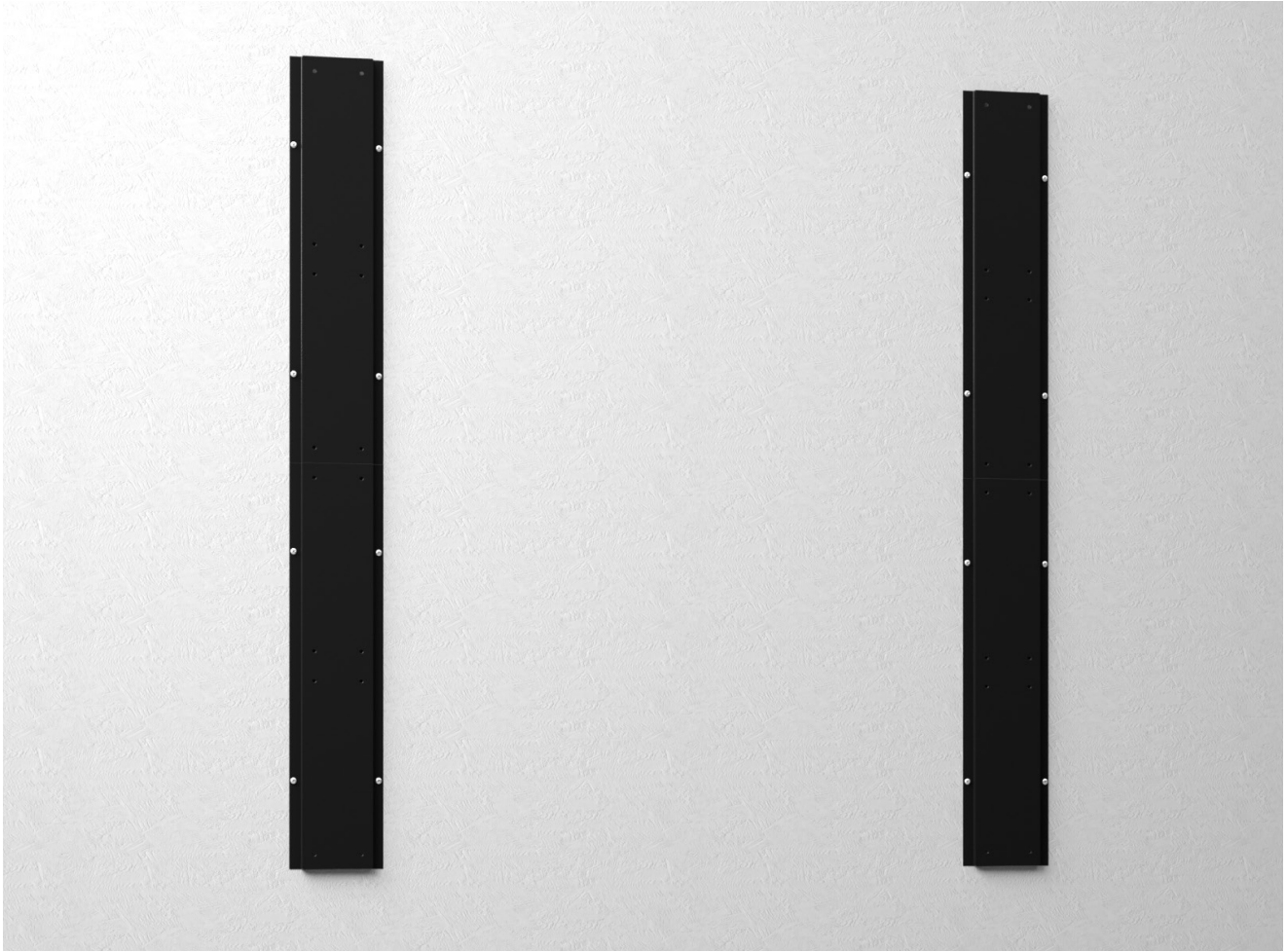
Select expansion screws appropriate for the composition of your installation wall from the included hardware.

Screws should have a diameter smaller than 9mm and a length of 50 to 80mm.



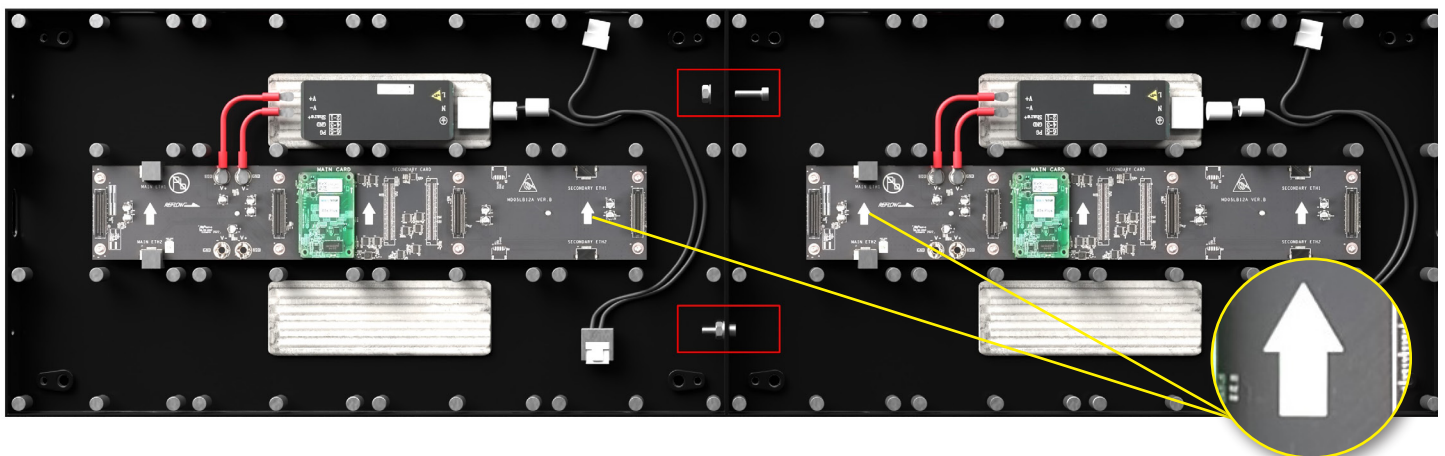
2. INSTALL WALL BRACKETS

Attach 4 metal brackets to wall at the marked locations using an electric drill and expansion screws.

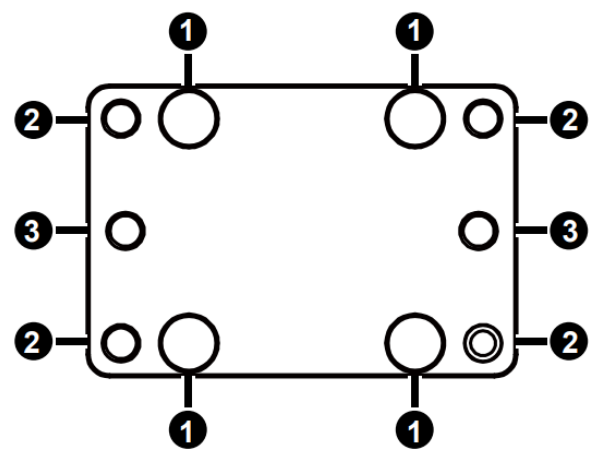


3. ASSEMBLE ROW OF CABINETS

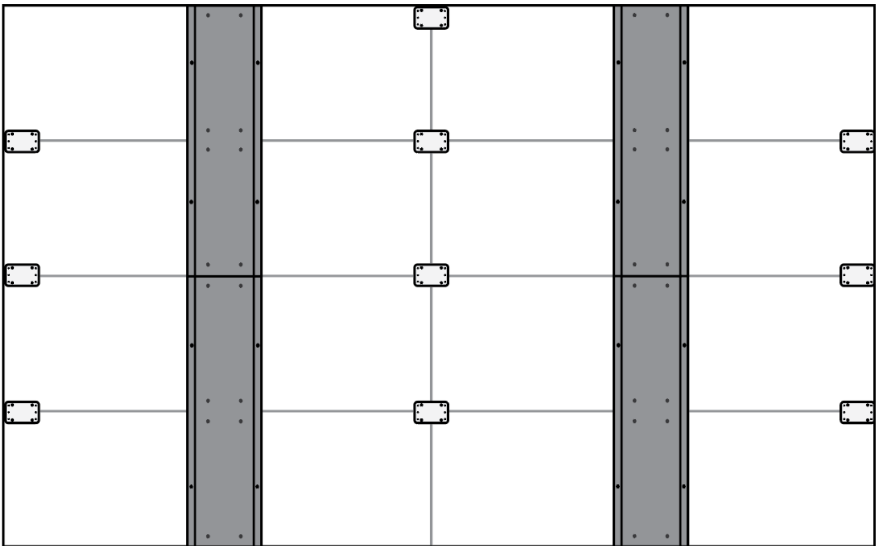
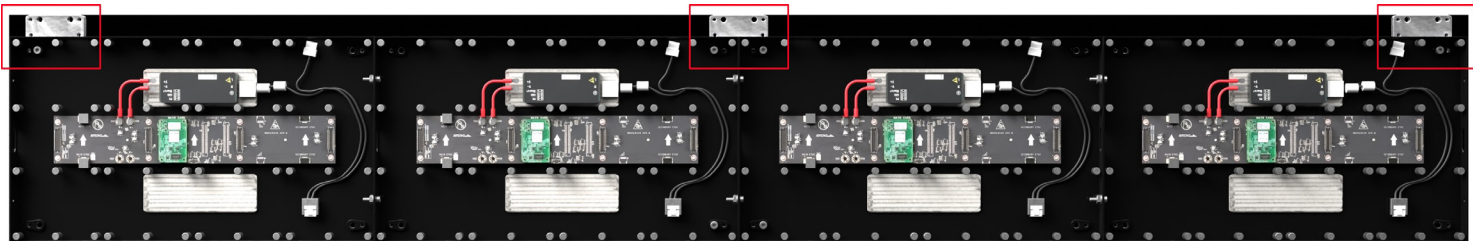
Place the two cabinets on a flat surface. Check that arrows printed on cabinets are pointing in the same direction. Insert a M6 *25 screw into the Side Lock hole and secure it with a nut. Repeat the step to secure the second side lock. Repeat until 4 cabinets are connected in a row, making sure all arrows are pointing in the same direction.



Secure the row of cabinets with 2 metal connectors. Attach connector by screwing M8*25 screws through the cabinet to the front lock holes of the connector.



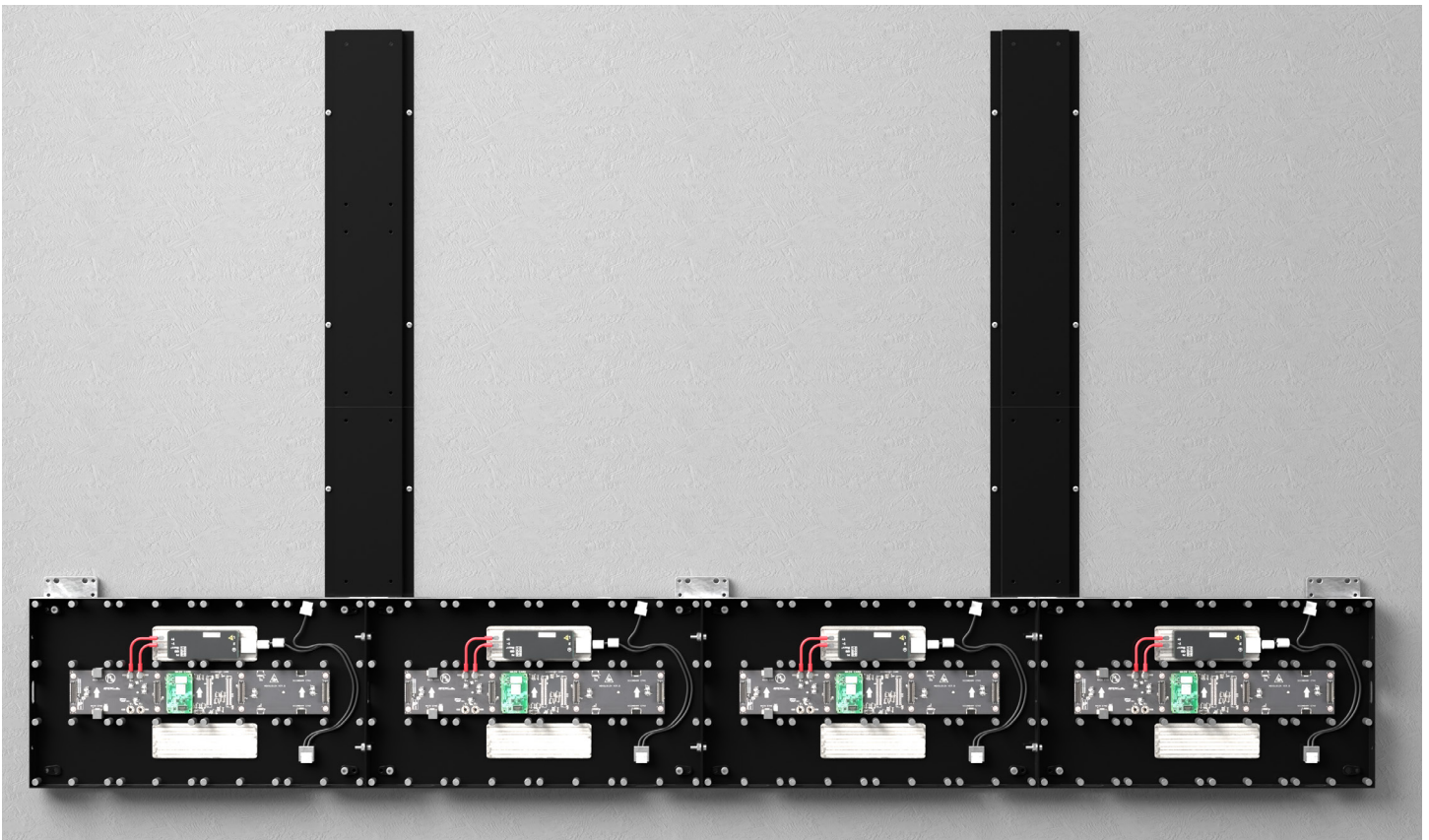
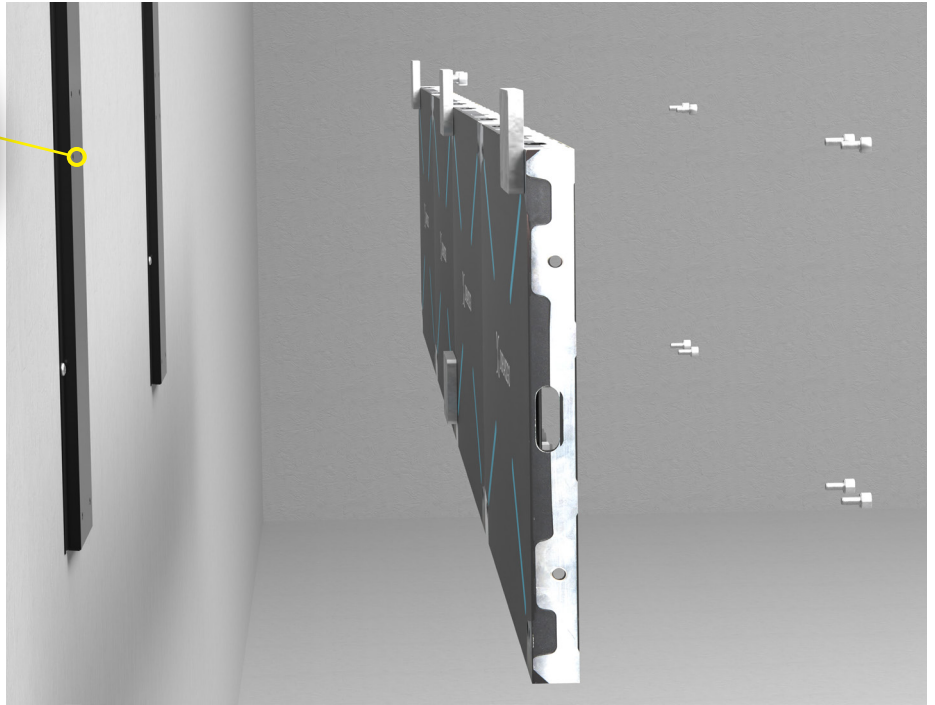
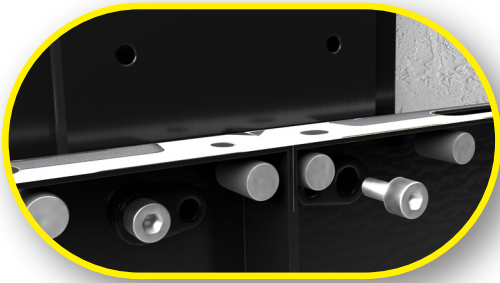
Connector Holes	
1	Rear Lock Hole
2	Front Lock Hole
3	Mount Bracket Hole



! NOTE: It is recommended to use at least of 10 of the 12 connectors for sufficient stability.

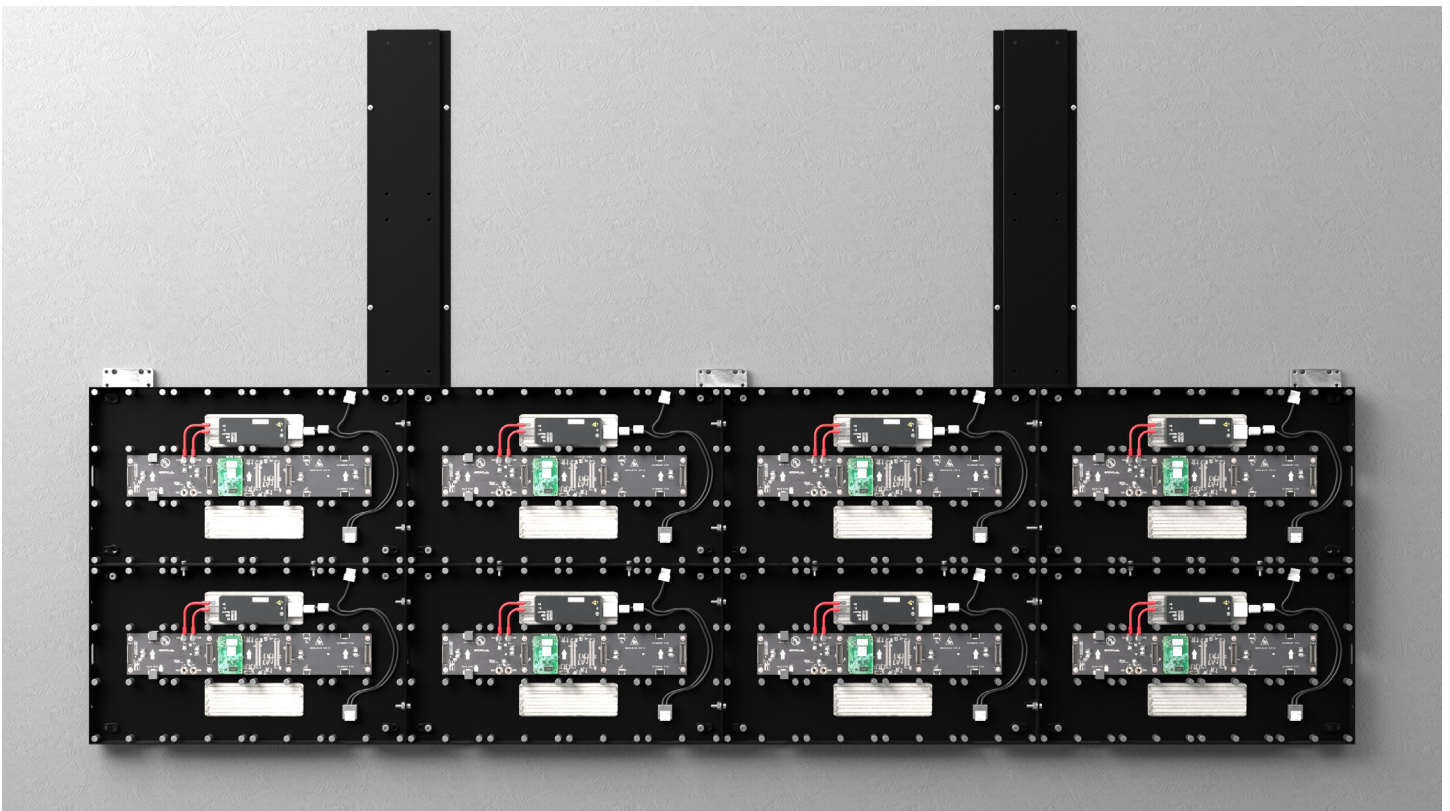
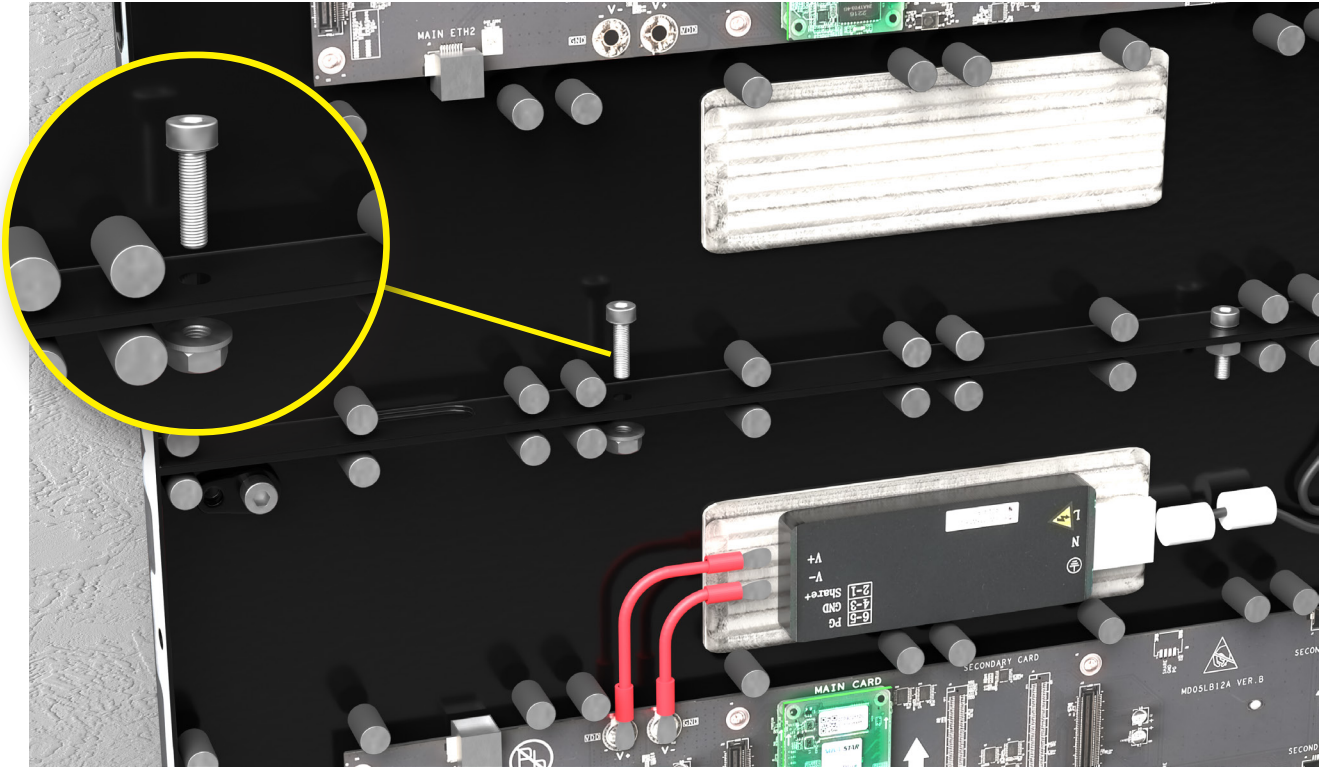
4. ATTACH ROW TO WALL BRACKETS

Carefully lift the assembled row of LED cabinets and position as the bottom row. Mount cabinet to holes on inner wall brackets using M8 * 16 cylindrical head screws.

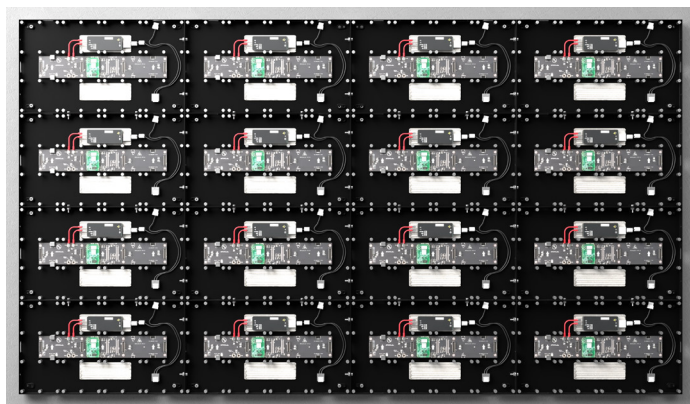
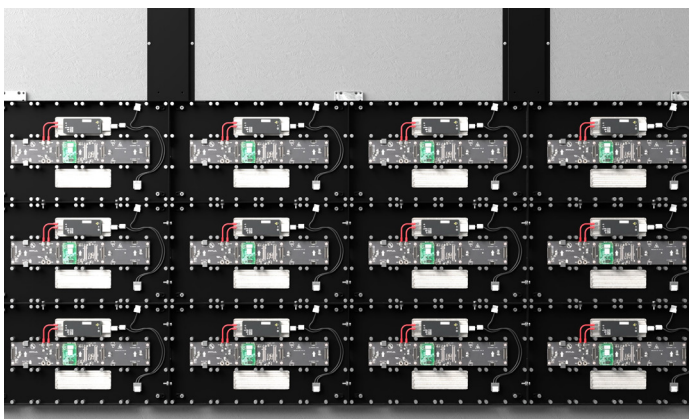


5. INSTALL ALL ROWS OF CABINETS

Repeat steps 3 & 4 to create another row of cabinets and add connectors. Then mount to wall brackets using M8*16 cylindrical head screws, with the arrows on the cabinets pointing up. Insert the dowel pins of the cabinets on the bottom row into the dowel holes of the next row. Attach the rows with M8 threaded screws and nuts. Attach connectors using M8*25 screws.



Connect all cabinet rows, moving upward, repeating the steps above to connect cabinets to brackets and connectors, and inserting dowel pin holes. Make sure each column is even and level.

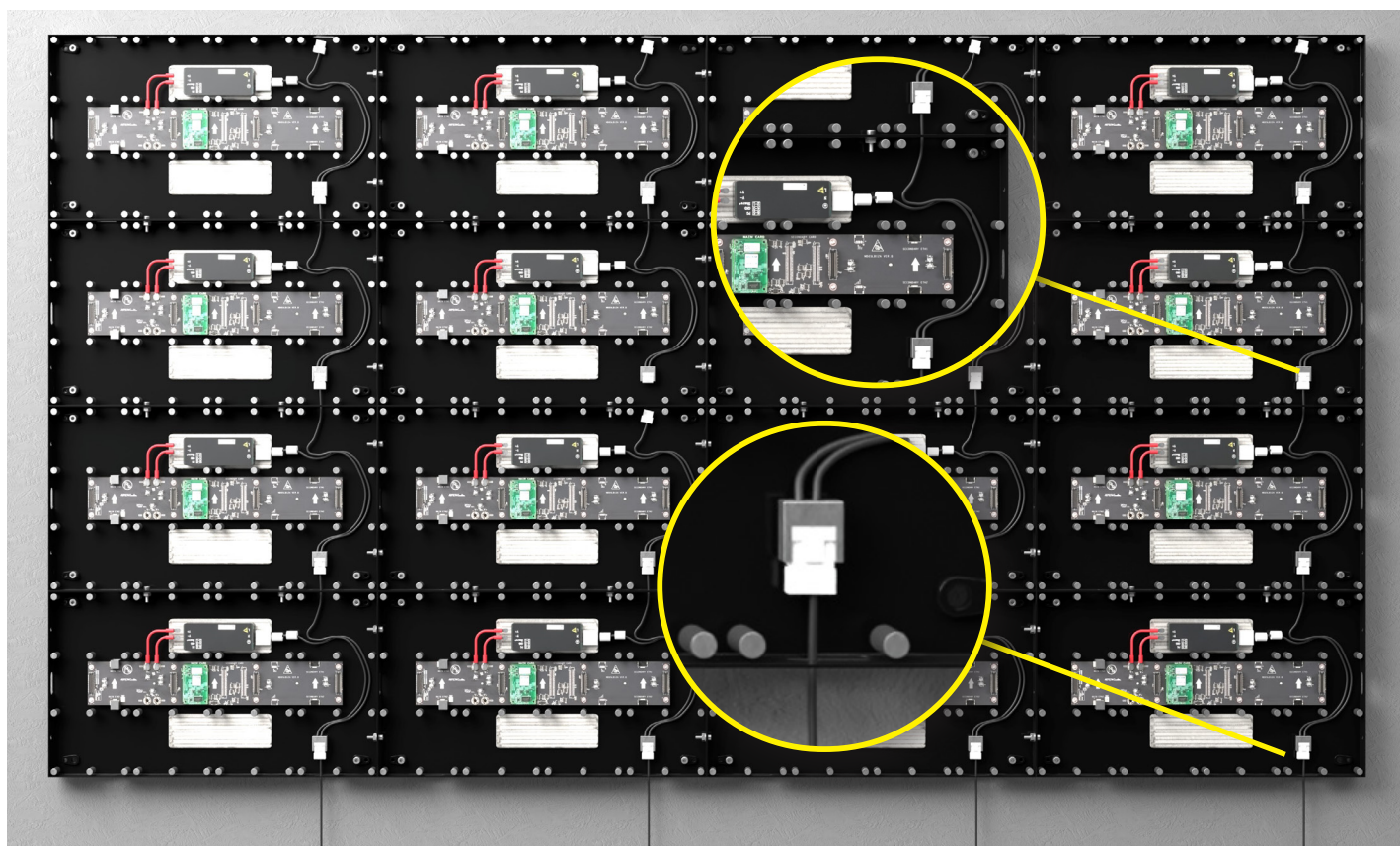


6. CONNECT POWER CABLES

Connect each column to power by inserting power cable main into the Power Cable hole of the bottom cabinet and plug into power interface outlet. Next, plug in each integrated power cable into the outlet of the next cabinet, moving upwards.

Repeat the process on the next columns of cabinets.

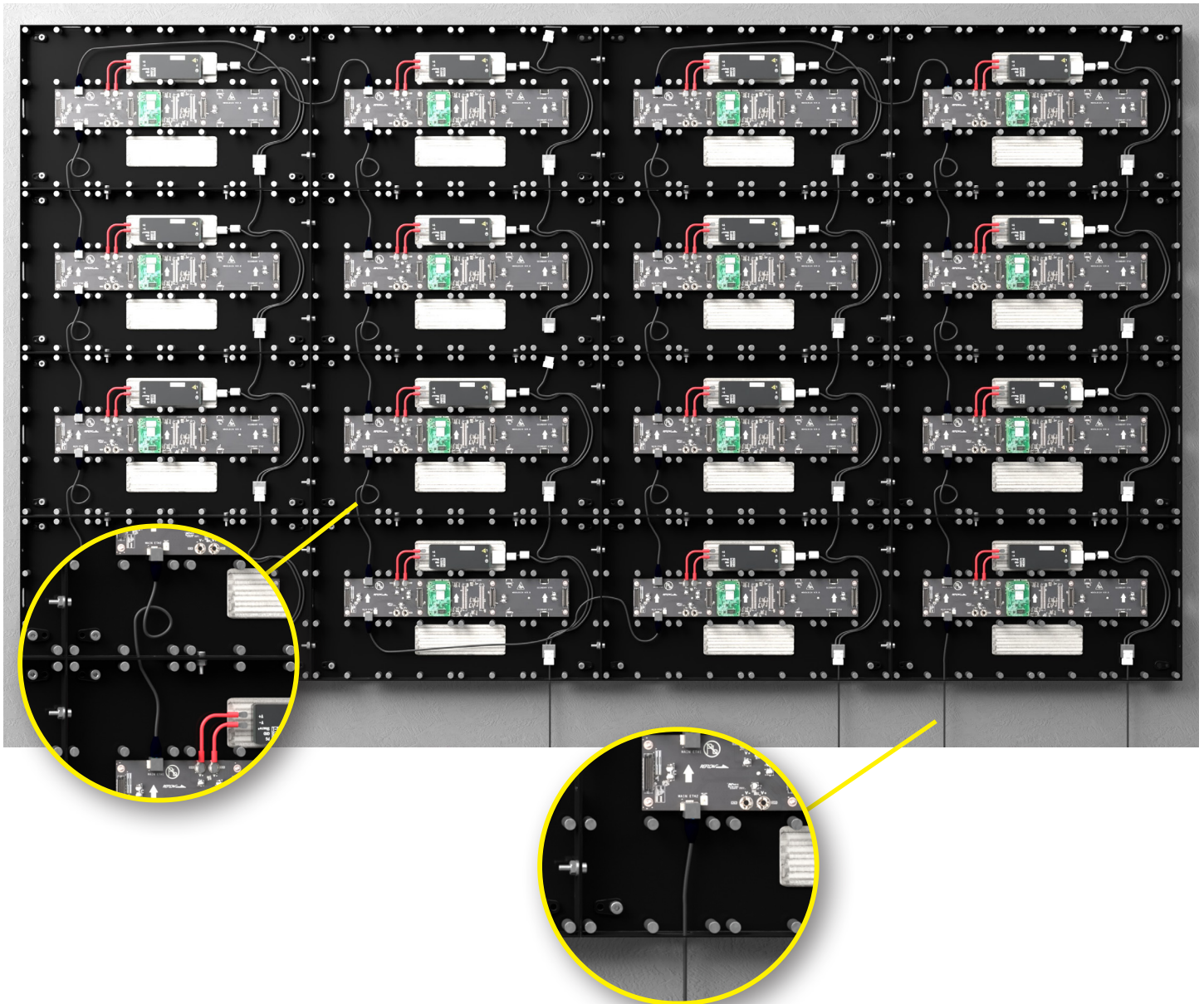
Connect the 4 power cord mains to power. For most installations, the power cable mains will be hardwired into a power source behind the installation wall.



7. CONNECT NETWORK CABLES

Connect the video wall network by inserting the ethernet cable main into the Network Cable hole of the bottom right cabinet and plug into network interface outlet. Next, plug in each RGB cable into the network interface outlets of each cabinet.

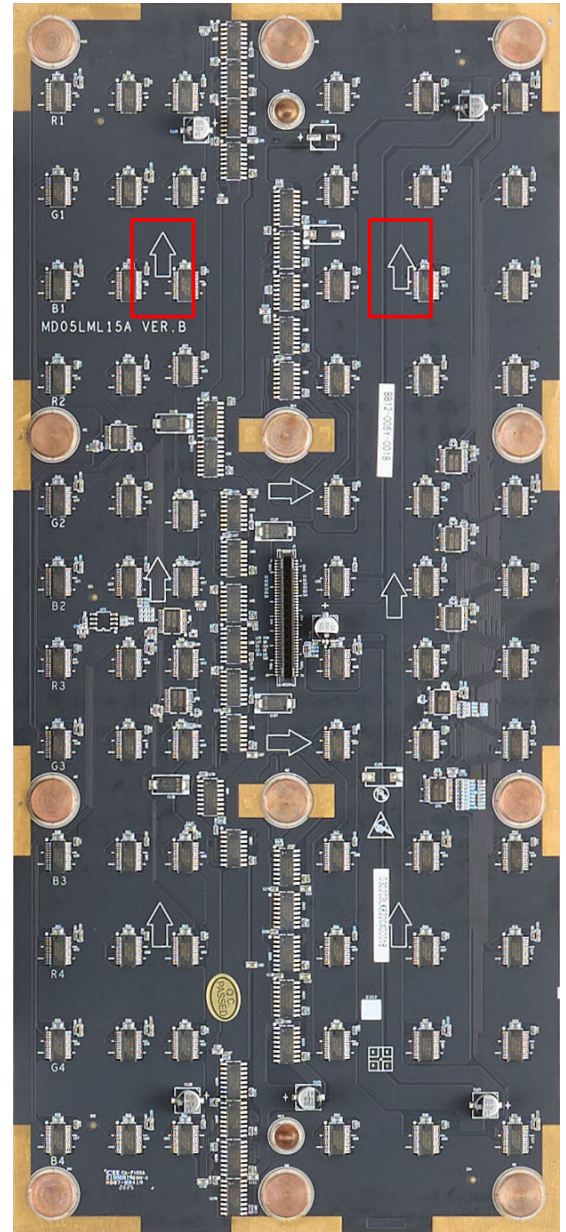
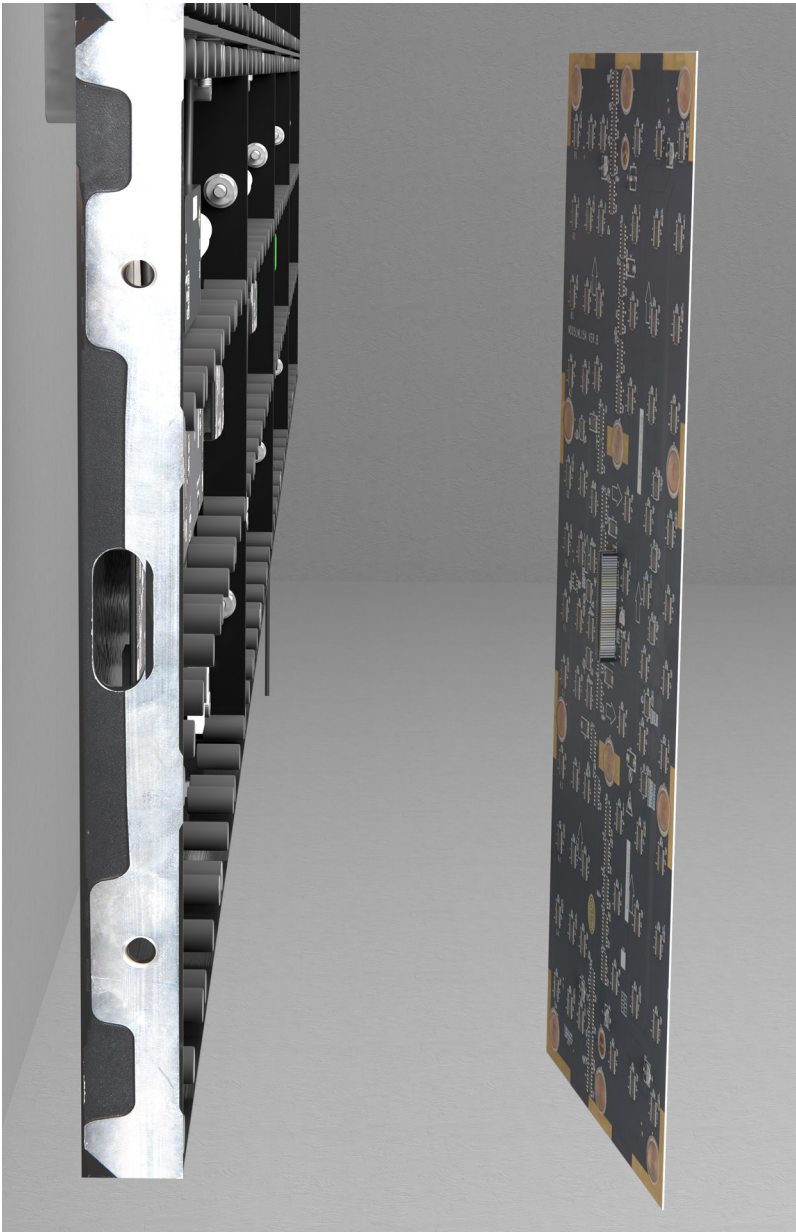
! NOTE: The RGB cables can be connected in any order or direction as long as each cable lies flat in the cabinet so the LED modules can be securely installed over them.



8. CONNECT LED MODULES

⚠ CAUTION: Handle LED modules with extreme care to prevent dislodging LED bulbs. Wear ESD gloves during operation.

Attach each LED Module to the magnets of the cabinets, making sure the vertical arrows are pointing up and in the same direction of the cabinet. Adjust modules as necessary to keep the gaps between them even.



9. CONNECT TO CONTROLLER

Connect the network cable main to the controller via the LED OUT ports. Connect the controller to power and plug in Wi-Fi antenna. Turn on controller to test for successful connection.

! NOTE: For a wired network connection, use the Ethernet port of the controller and hardwire into wall.



Installation is complete.

See the User Manual for instructions on operation and maintenance.

If you have any questions regarding our products, please visit us at www.displays2go.com or contact Displays2go customer service at 844-221-3388.