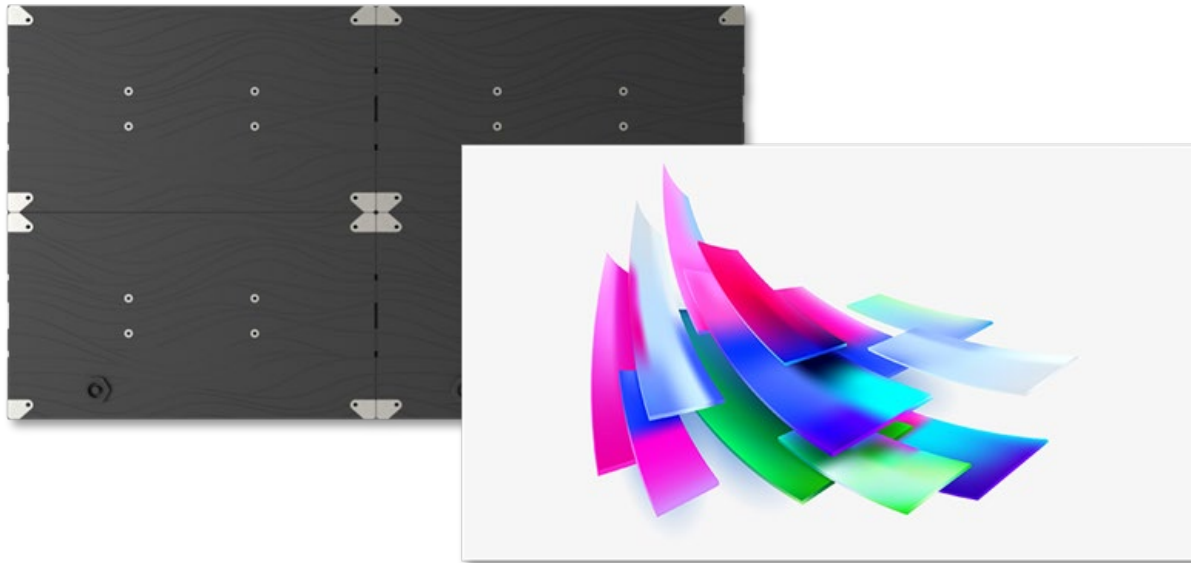


Multi-Screen LED Display

Model : TL-55LV12A

Multi-Screen Installation Guide



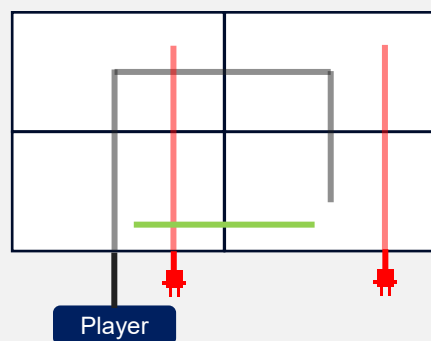
- 1. Multi-Display Installation Limitations**
- 2. Unpacking**
- 3. Pre-Installation Preparation: Power Cord Connection**
- 4. Installation Using Optional Wall Mount Bracket (TY-WMT1)**
- 5. Replacement Installation using the Existing Optional VESA bracket (TY-VK55LV2)**
- 6. Third-Party Mounting Hardware**
- 7. LED Manager LV Application Settings**

1. Multi-Display Installation Limitations

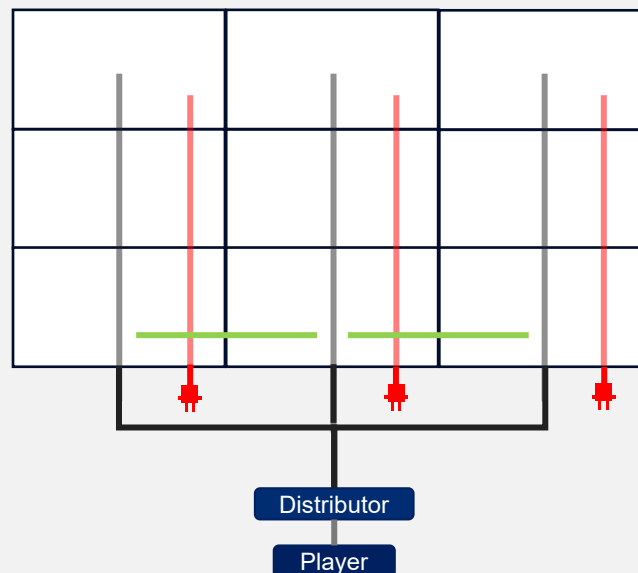
Video signals, power, and control signals can be connected between units via daisy-chain.

Please note the following limitations:

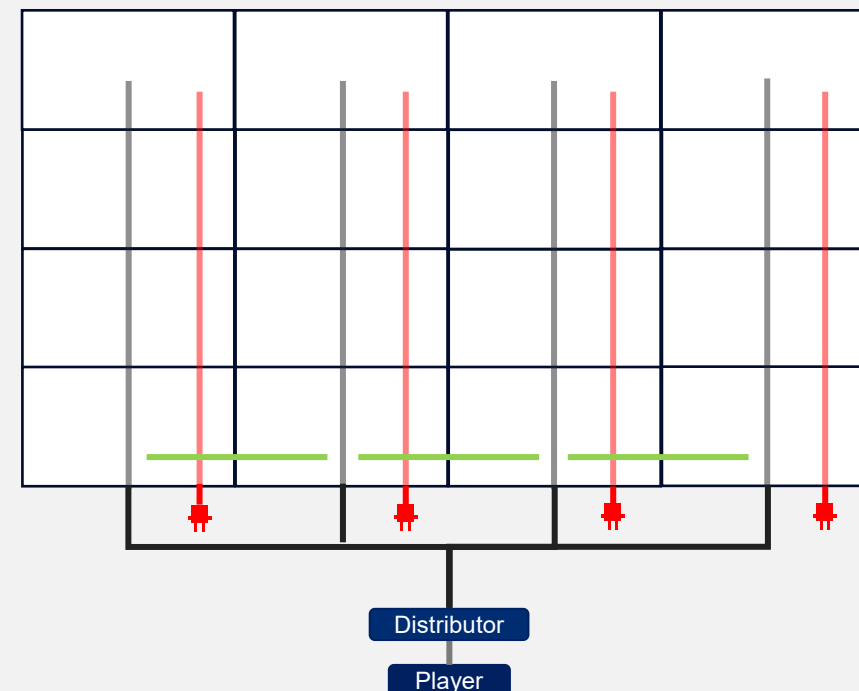
110-inch Configuration
(55-inch displays × 2 × 2)



165-inch Configuration
(55-inch displays × 3 × 3)



220-inch Configuration
(55-inch displays × 4 × 4)



- Video Signal (HDMI™)
- Power (AC)
- Control Signal (LAN)

* Maximum 4 units

* Power (AC)

Landscape installation: Max. 4 units vertically

Portrait installation: Max. 4 units horizontally

* Control Signal: Max. 48 units

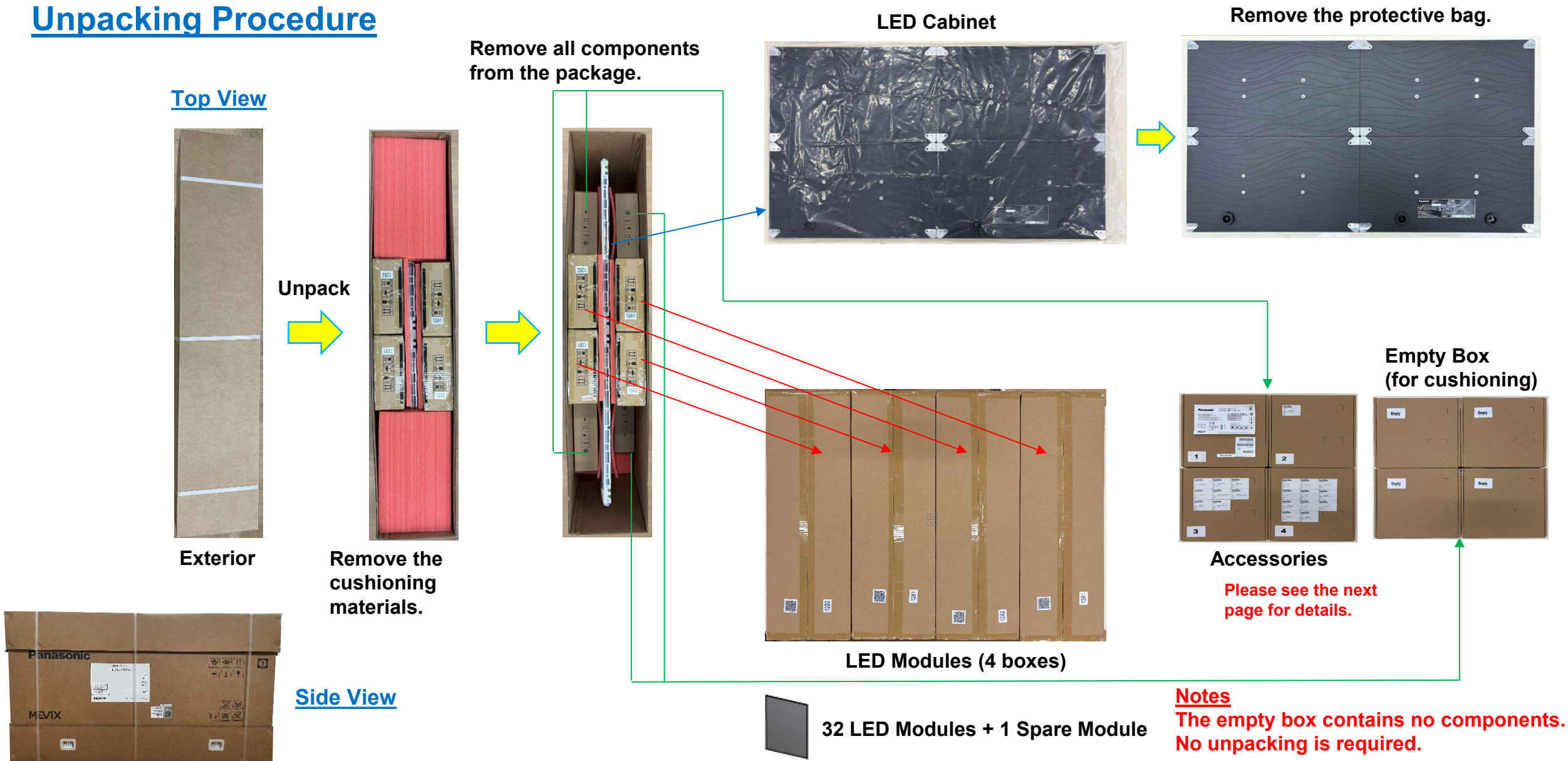
*** Maximum Installation Using VESA Mounts:
Up to 5 columns × 5 rows**

Notes

- Custom layouts such as 2 × 3 require content/signal-side configuration.**
- For layouts of 5 × 5 or larger, please contact your sales company or dealer.**

2. Unpacking

Unpacking Procedure



2. Unpacking

Accessories

Accessory

Please verify that each accessory box contains the corresponding accessories.

Quantities are indicated in angle brackets (< >).

LED Modules (4 boxes)

□ LED Module <32>

● TY-MD12CS1



Accessory Box 1

□ LED Module (Spare) <1>

● TY-MD12CS1

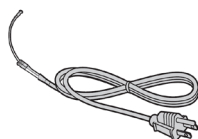


Accessory Box 2

□ Power supply Cord <1>

For connection to the socket outlet for US

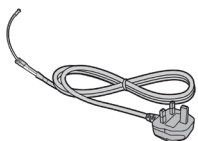
● DPVF5272ZA/X1



□ Power supply Cord <1>

For connection to the socket outlet for UK

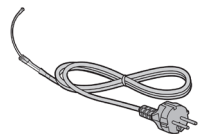
● DPVF5273ZA/X1



□ Power supply Cord <1>

For connection to the socket outlet for EU

● DPVF5274ZA/X1

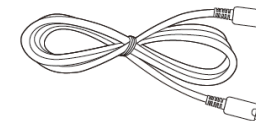


Accessory Box 3

□ RJ-45 Cable <1>

For system expansion (Approx. 1.2 m)

● DPVF5275ZA/X1



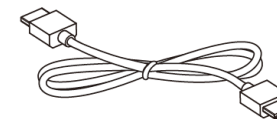
□ HDMI Cable <2>

Expansion use (2K compatible)

● DPVF5276ZA/X1 (Approx. 1.8 m) <1>

● DPVF5277ZA/X1 (Approx. 0.7 m) <1>

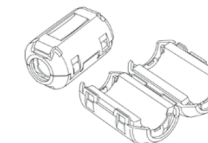
* These cables are not intended for input signal connection.



□ Ferrite Core <4>

For expansion HDMI cables (1.8 m, 0.7 m)

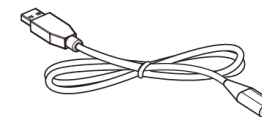
● DPVF5278ZA/X1



□ USB Type A to Type-C Cable <1>

For PC connection (Approx. 2 m)

● DPVF5279ZA/X1



□ Remote Control <1>

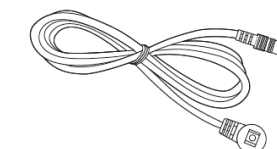
● DPVF5281ZA/X1

* CR2025 coin battery is preinstalled.



□ External IR Receiver Cable <1> (Approx. 1.5 m)

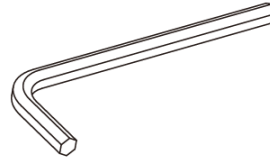
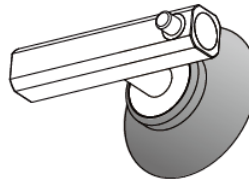
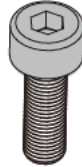
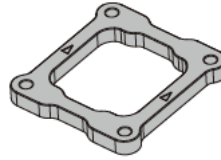
● DPVF5280ZA/X1



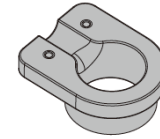
Accessories

Accessory Box 4

- Connector Plate (2-hole type) <4>
For Function Expansion
 - DPVF5282ZA/X1
- Connector Plate (4-hole type) <2>
For Function Expansion
 - DPVF5283ZA/X1
- M4-12 Screws <16>
For Function Expansion
 - DPVF5284ZA/X1
- LED Module Removal Tool <1>
● DPVF5285ZA/X1
- Hex Wrench (HEX 3) <1>
● DPVF5286ZA/X1
- Hex Wrench (HEX 5) <1>
● DPVF5287ZA/X1

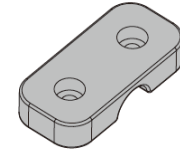


- Cable Holder <3>
 - DPVF5288ZA/X1



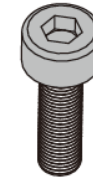
- Cable Clamp <3>
 - DPVF5289ZA/X1

* Cable clamps are pre-installed on the cable holders at shipment.

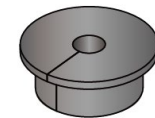


- M4-8 Screws <6>
 - DPVF5290ZA/X1

* Cable clamps are pre-installed on the cable holders at shipment.



- Cable Opening Caps <3>
(Hole diameter: Φ8 mm)
 - DPVF5291ZA/X1



2. Unpacking

Optional Accessories (Sold Separately)

- ❑ LED Module
 - TY-MD12CS1
- ❑ Wall Mount
 - TY-WMT1
- ❑ Wall-mounting Installation Jig
 - TY-WMT1J
- ❑ Cover frame horizontal
 - TY-CF55LVH1
- ❑ Cover frame vertical
 - TY-CF55LVV1
- ❑ Cover frame corner
 - TY-CF55LVC1

Notes

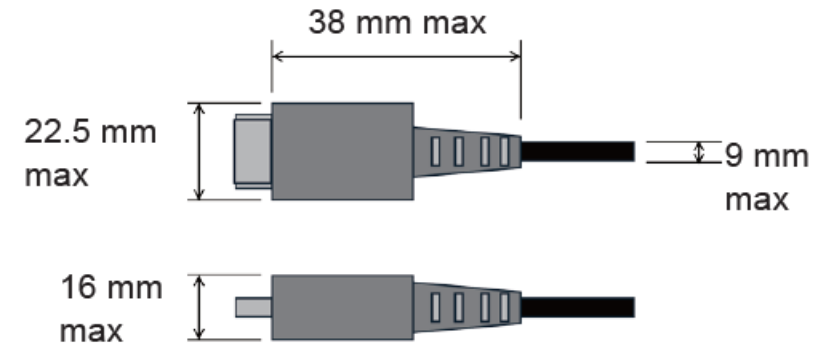
For safety and to ensure proper performance, installation must be performed by your dealer or a qualified installation contractor.

- When the product is no longer in use, have it removed promptly by a qualified installation contractor.
- Model numbers of optional accessories are subject to change without notice.

Required Items (Commercially Available)

Please prepare the following items (commercially available)

- ❑ HDMI cable (for video signal input)
Select an HDMI cable that complies with the dimensional requirements shown below.

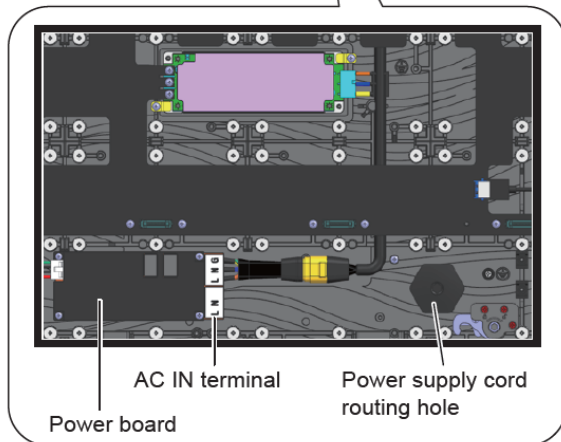
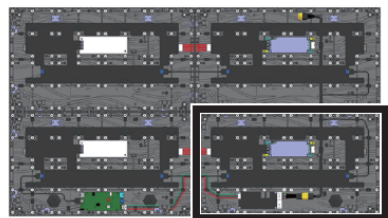


- ❑ LAN cable (for PC control)
If the USB Type-A to Type-C cable (supplied), IR receiver cable (supplied), and LAN cable are used simultaneously, use a CAT5e LAN cable with a diameter of 6 mm (0.24 in.) or less.
- ❑ Screws (M10, 4 locations)
Used to attach the optional wall-mount bracket to the wall when installing the unit with the optional wall-mount bracket.

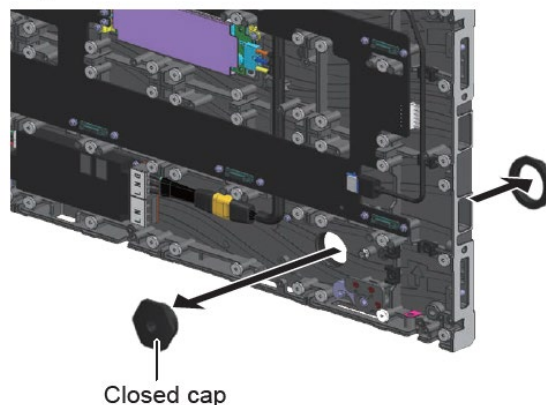
3. Pre-Installation Preparation

Connecting the Power Cord

Front of the unit

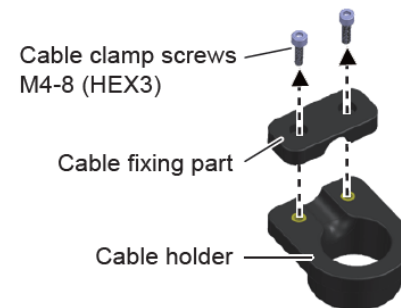


- 1 Remove the closed cap by turning it as you would a screw. (Do not reuse it.)

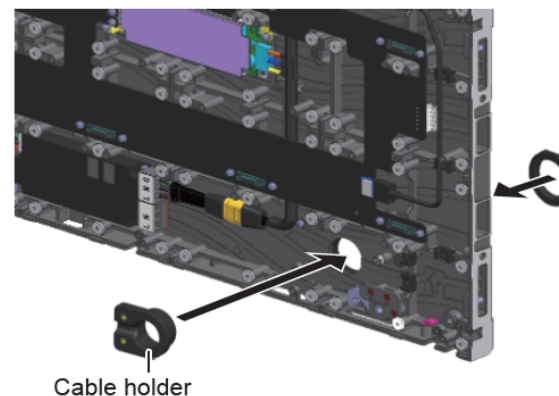


- 2 Attach the cable holder.

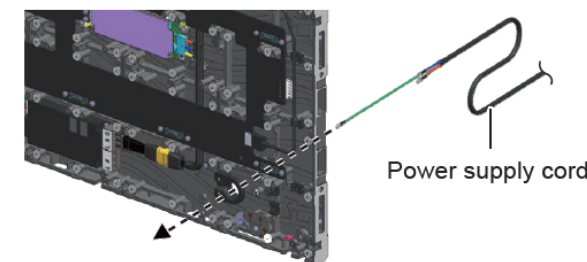
① Before attaching, remove the cable fixing part.



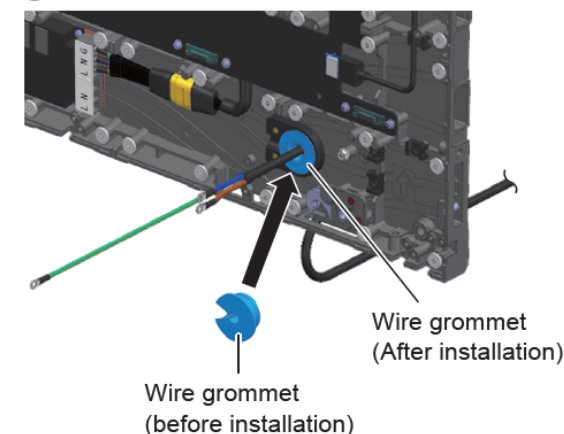
② Attach the cable holder by turning it as you would a screw.



- 3 Pass all ring terminals of the supplied power supply cord through the cable routing hole.

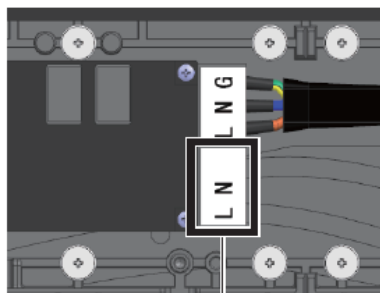
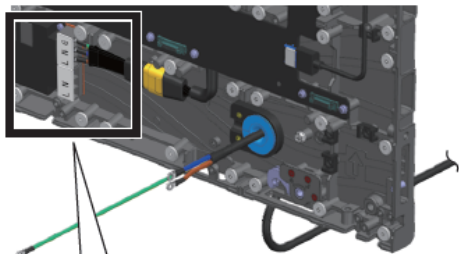


- 4 Widen the slit of the wire grommet (ø8 mm), pass the power supply cord through the hole, then attach the wire grommet to the cable holder.

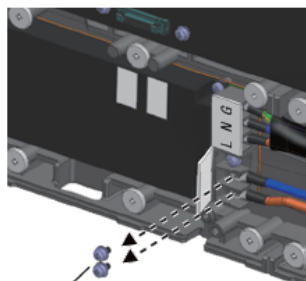


3. Pre-Installation Preparation

- 5 Open the lower AC IN terminal cover on the circuit board, then remove the screws from the N and L terminals.



Lower AC IN terminal cover

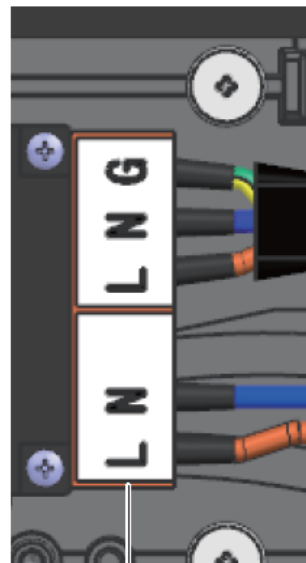
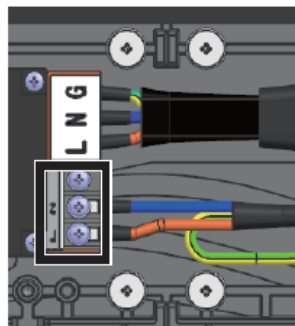


N and L terminal screws

- 6 Connect the power supply cord to the N and L terminals using the terminal screws removed in step 5, then close the terminal cover.

N terminal: Blue cable
L terminal: Brown cable

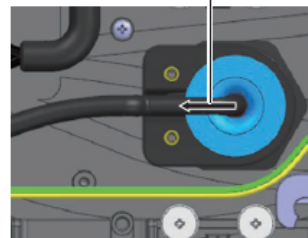
Tightening torque:
 $0.3 \pm 0.05 \text{ N}\cdot\text{m}$



Close the terminal cover.

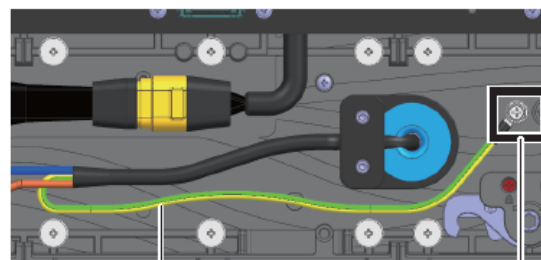
- 7 Fit the power supply cord into the slit in the wire grommet.

Direction of the slit in the wire grommet



- 8 Remove the grounding screw attached to the cabinet, then secure the grounding wire of the power supply cord with the grounding screw.

● Do not pull on the power supply cord.



Grounding wire of the
power supply cord

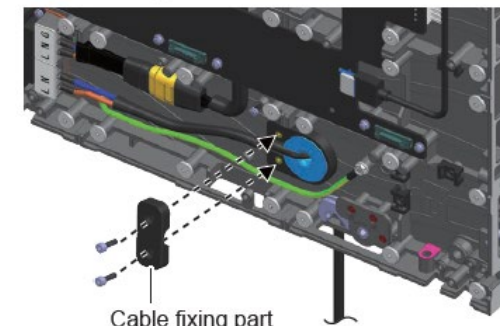
Grounding
point

Tightening torque:
 $0.6 \pm 0.1 \text{ N}\cdot\text{m}$

Grounding Screw



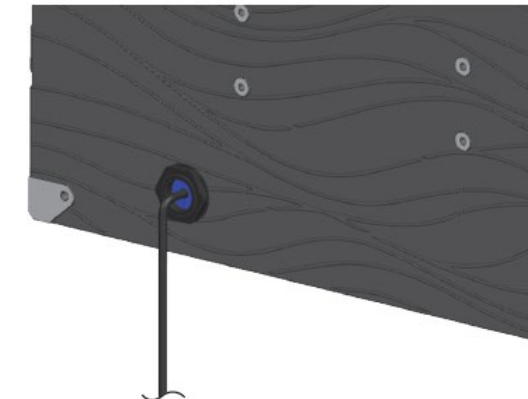
- 9 Secure the power supply cord with the cable clamp.



Cable fixing part

Tightening torque:
 $0.3 \pm 0.05 \text{ N}\cdot\text{m}$

Rear view



Notes

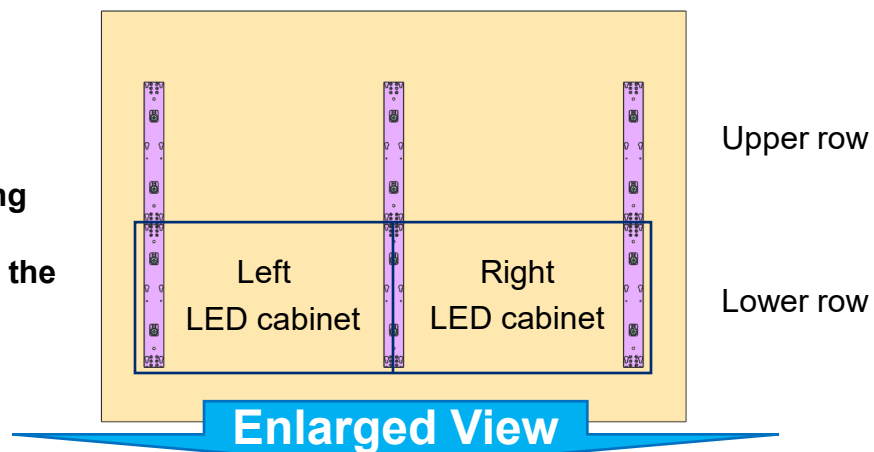
This illustration (L: brown, N: blue) of AC terminal is for European specifications. For North American specifications, L: black, N: white.

4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

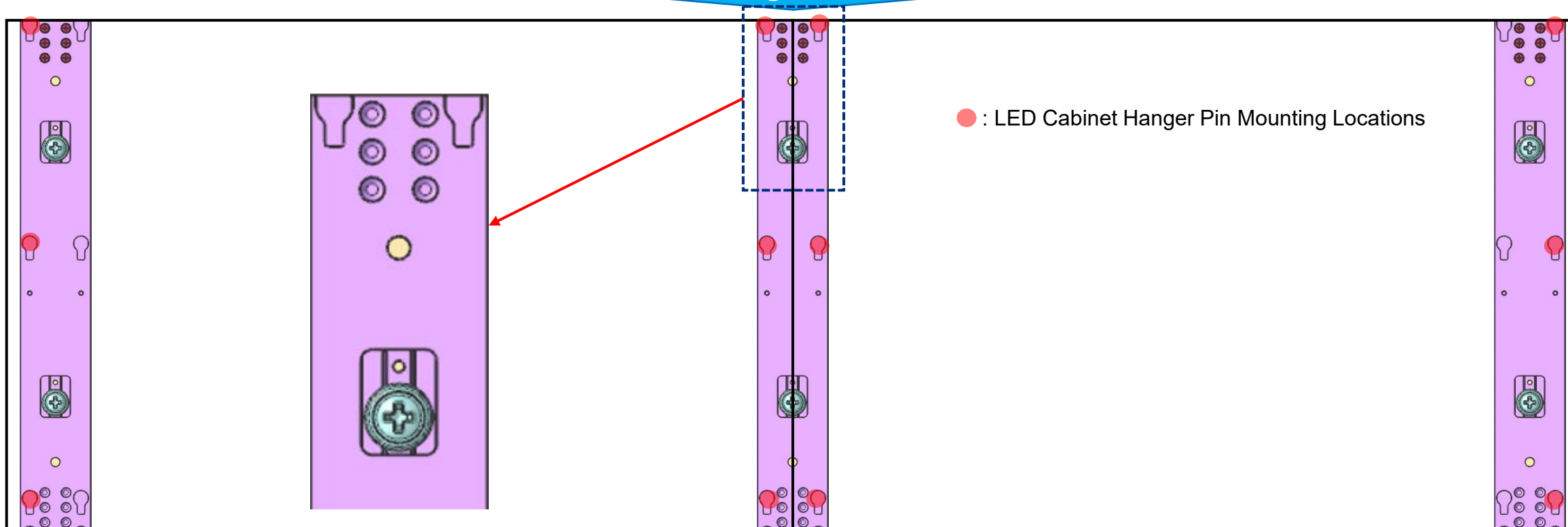
Wall Mount Installation Method

Example: LED 2 × 2 Configuration

When installing a 2 × 2 LED cabinet configuration using the optional wall-mount brackets, use six wall-mount brackets and connect them as three sets, as shown in the figure on the left. The center bracket is shared for mounting the LED cabinets on both sides.



Enlarged View



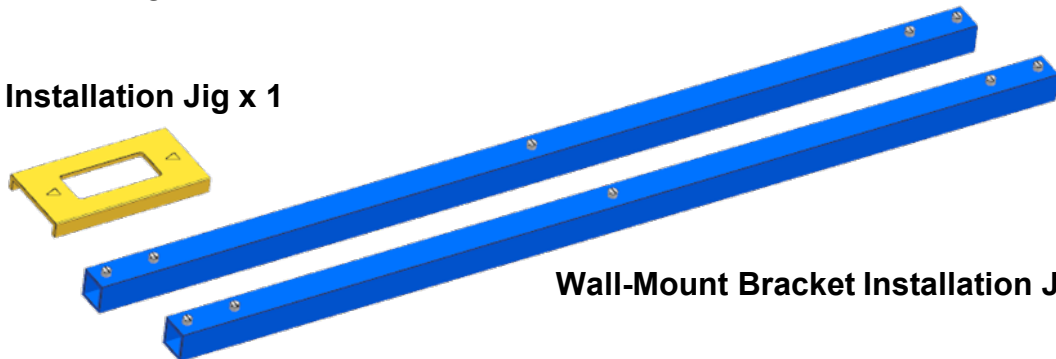
4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Mounting the Wall-Mount Brackets on the Wall

Example: LED 2 × 2 Configuration

TY-WMT1J

Installation Jig x 1



Wall-Mount Bracket Installation Jig x 2

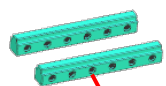
TY-WMT1

Wall Mount Bracket

M6-14 Screws

Fourteen (14) screws are included; however, only twelve (12) are required for installation.

Wall Mount Bracket

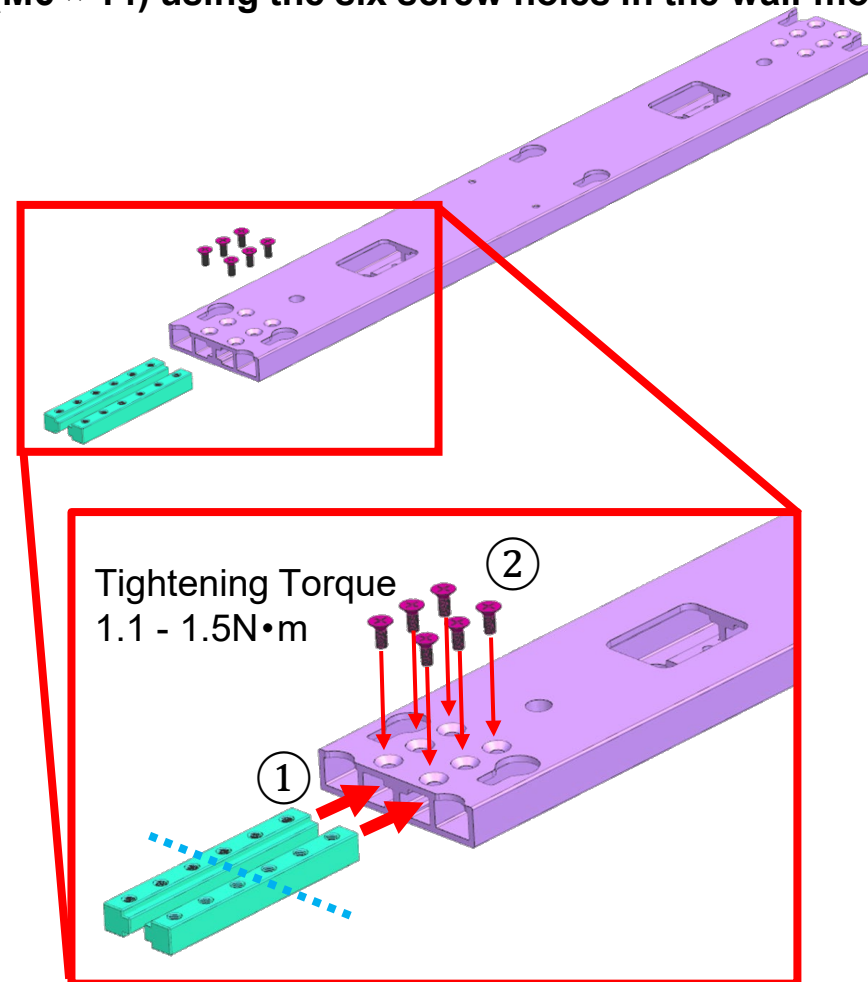


Connection Bar x 2

For a 2 × 2 LED cabinet configuration, six (6) wall-mount brackets are required.

Connecting Wall Mount Brackets

As shown in the figure, align the Connection Bar with the center opening of the wall-mount bracket and insert it until it reaches the light-blue line. Secure the Connection Bar with six countersunk screws (M6 × 14) using the six screw holes in the wall-mount bracket.

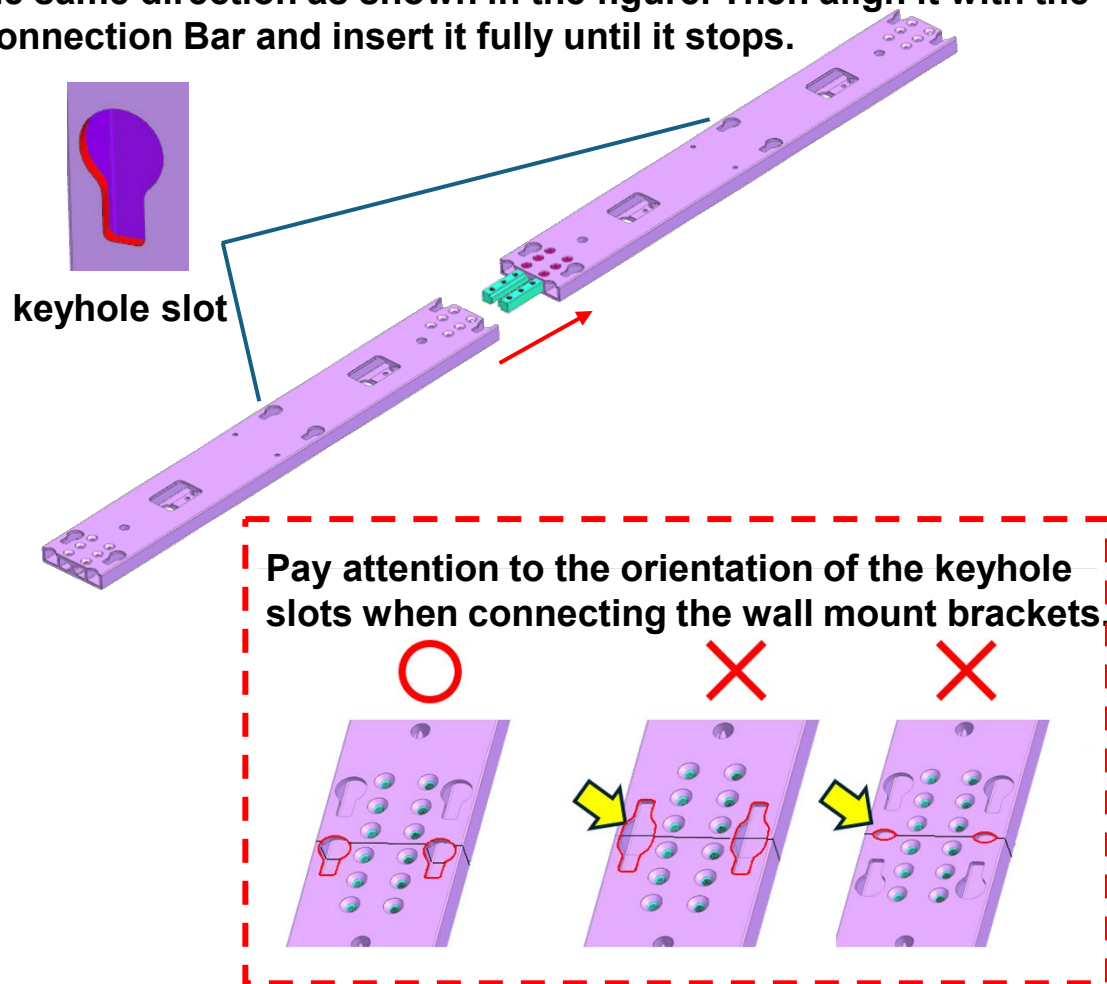


4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

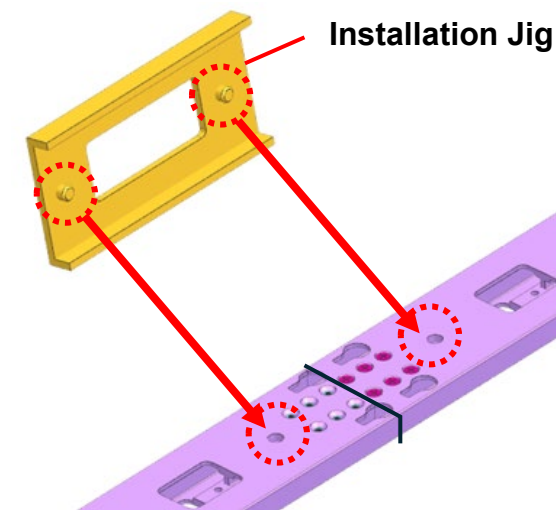
Connecting Wall Mount Brackets

Example: LED 2 × 2 Configuration

Orient another wall-mount bracket so that the keyhole slots face the same direction as shown in the figure. Then align it with the Connection Bar and insert it fully until it stops.

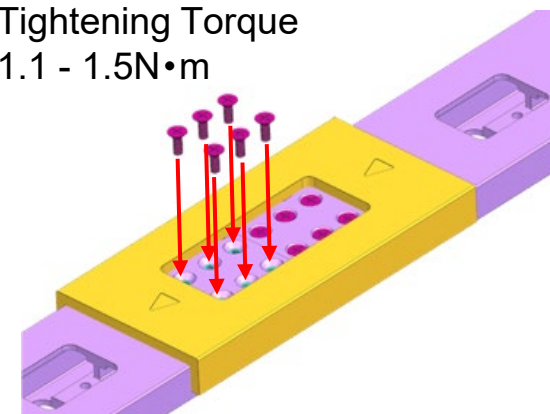


Align the protrusions on the Installation Jig with the holes in the connected wall-mount brackets, then lower the jig onto the brackets from above.



As shown in the figure, secure the Connection Bars using twelve (12) countersunk screws (M6 × 14) through the six screw holes provided in the wall-mount brackets.

Tightening Torque
1.1 - 1.5N•m

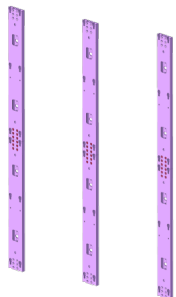


4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Mounting the Brackets on the Wall

Example: LED 2 × 2 Configuration

Prepare three sets of connected wall-mount brackets.



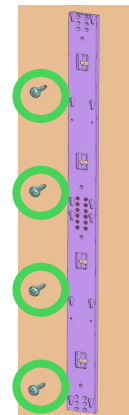
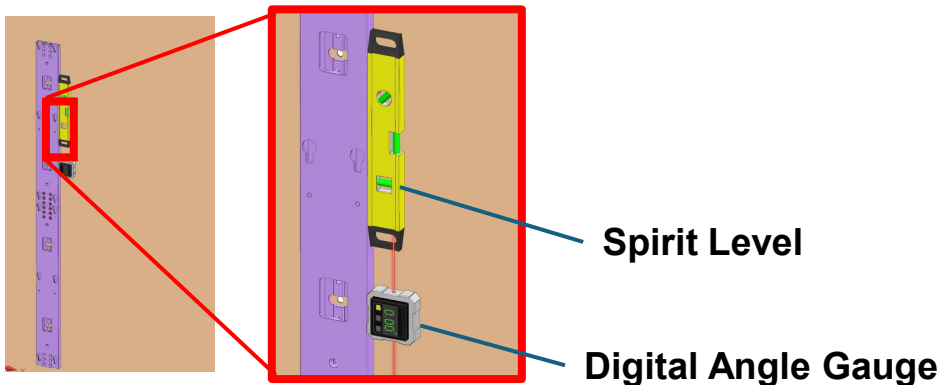
Installation Example



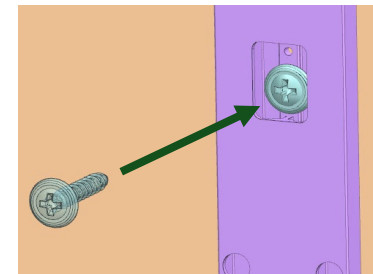
According to the installation conditions at the site, install the first wall-mount bracket on the wall as the reference bracket.

Notes: In this installation example, installation begins from the left side. From this point onward, perform the work with two or more people while observing appropriate safety precautions.

Example of a Leveling Tool for Ensuring Vertical Alignment



4 × M10 screws (not supplied)
Prepare screws suited to the wall type.



Note

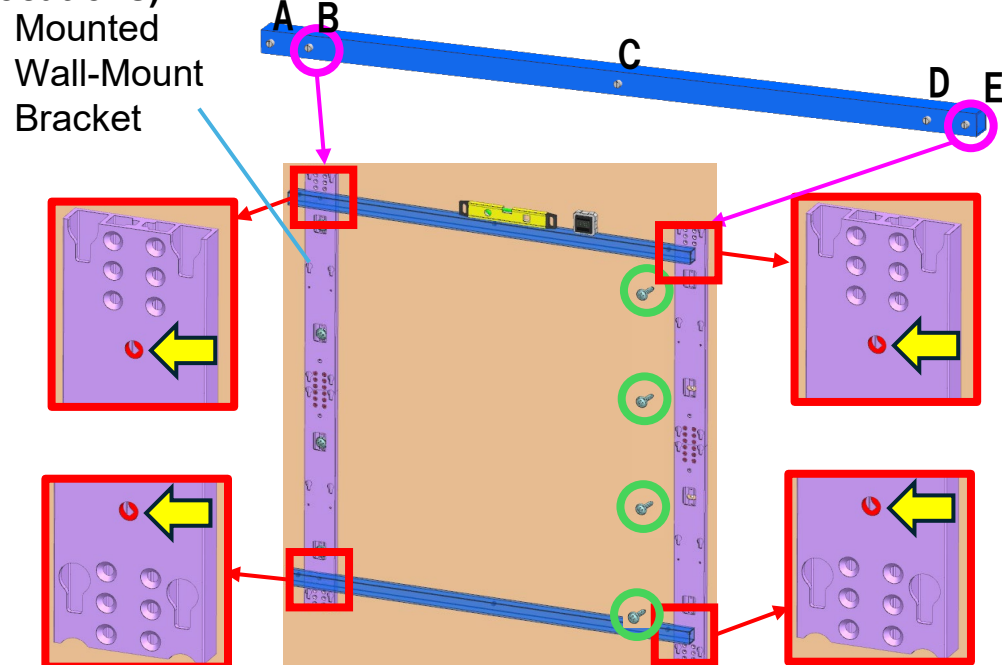
- Install on a wall that is strong enough to support the product.
Guide: Total weight of a 55-inch display Approx. 21 kg
Wall mount Approx. 3.5 kg per pair
- Ensure the wall surface on which the wall mounts are to be installed is sufficiently flat. As a guide, this should be within 3 mm.
- If the wall is uneven and gaps are apparent between the wall and the wall mounts, take appropriate steps to fill in the gaps, then make sure the wall mounts do not get pushed out of shape when you are securing them to the wall with the screws.

4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Mounting the Wall-Mount Brackets on the Wall

Example: LED 2 × 2 Configuration

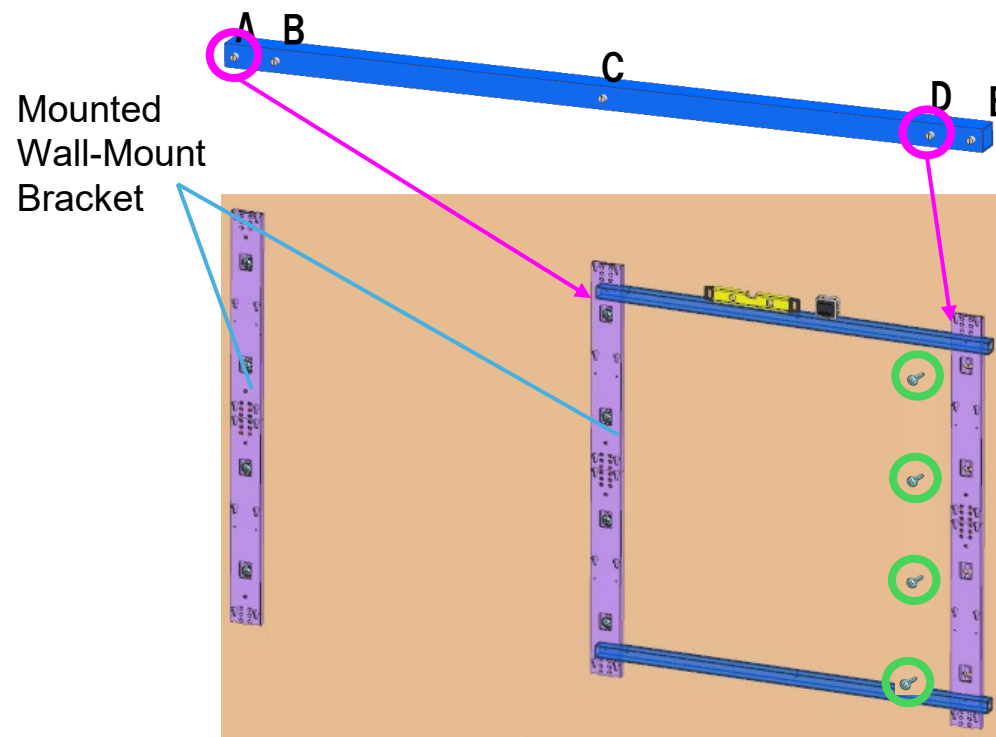
- Using positioning B / positioning E on the wall mount bracket jig (TY-WMT1J), insert the jig into the upper and lower holes of the wall mount bracket indicated by the yellow arrows below.
- Use a level or similar tool to determine the horizontal position, mark the screw fixing positions, and drill pilot holes.
- Use the jig again to check the horizontal alignment, then secure the wall mount bracket to the wall with the same screws as before (4 locations).



Using positioning A / positioning D on the jig, insert the jig into the upper and lower holes of the wall mount bracket in the same manner as the previous step.

Use a level or similar tool to determine the horizontal position, mark the screw fixing positions, and drill pilot holes.

Use the jig again to check the horizontal alignment, then secure the wall mount bracket to the wall with the same screws as before (4 locations).



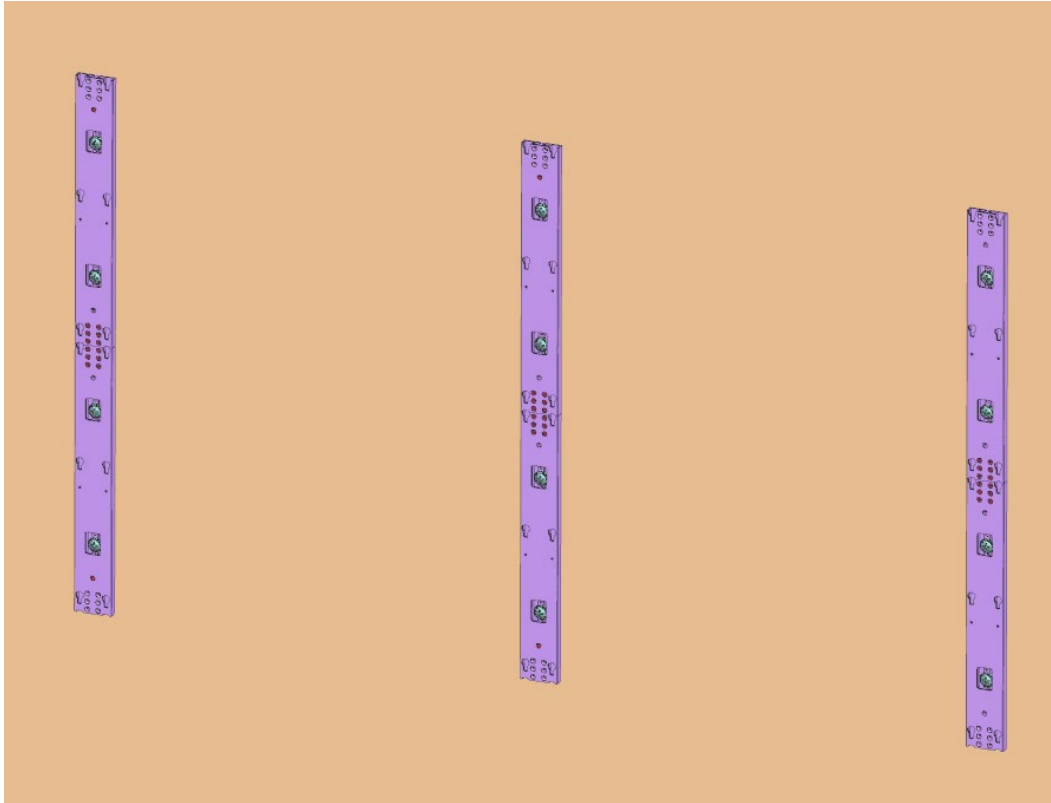
* B-E and A-D are the same length.

4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Mounting the Brackets on the Wall

Example: LED 2 × 2 Configuration

Installed (3D View)



Installed (Actual Installation)

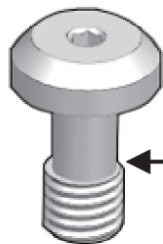


4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Installing the Hanger Pins

Attach the supplied hanger pins (DPVF5295ZA/X1) to the wall mounts (TY-WMT1) from the rear side of the main unit in 6 locations.

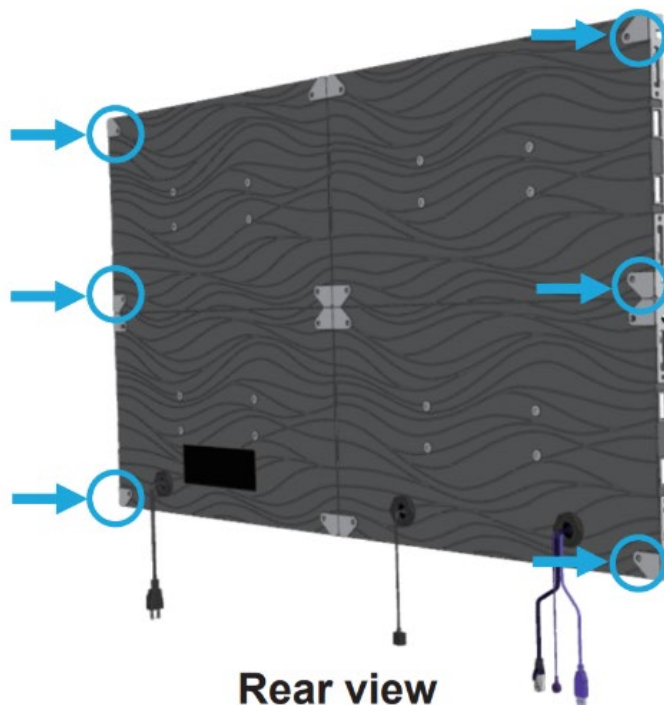
- Screw in until the thread disappears inside the cabinet.



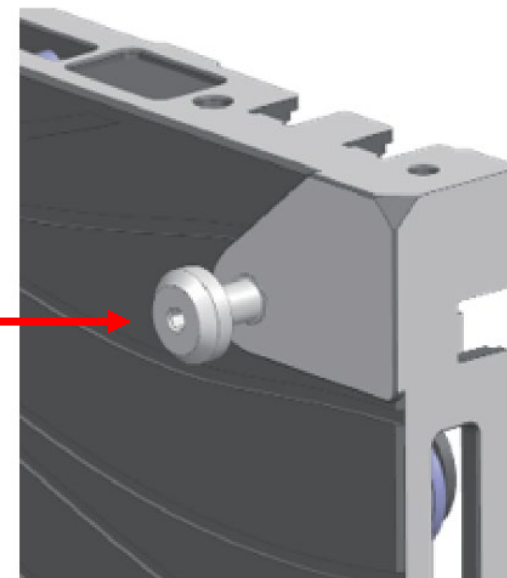
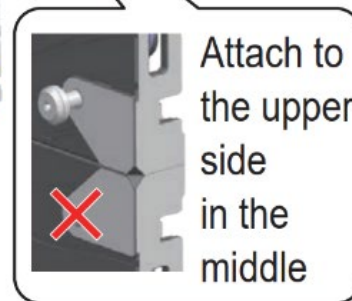
→ To here

Hanger pin: M8
(DPVF5295ZA/X1)

- Screw in the supplied hanger pins in the 6 locations indicated by the blue arrows in the following diagram, from the rear side.



Rear view



In the attached state

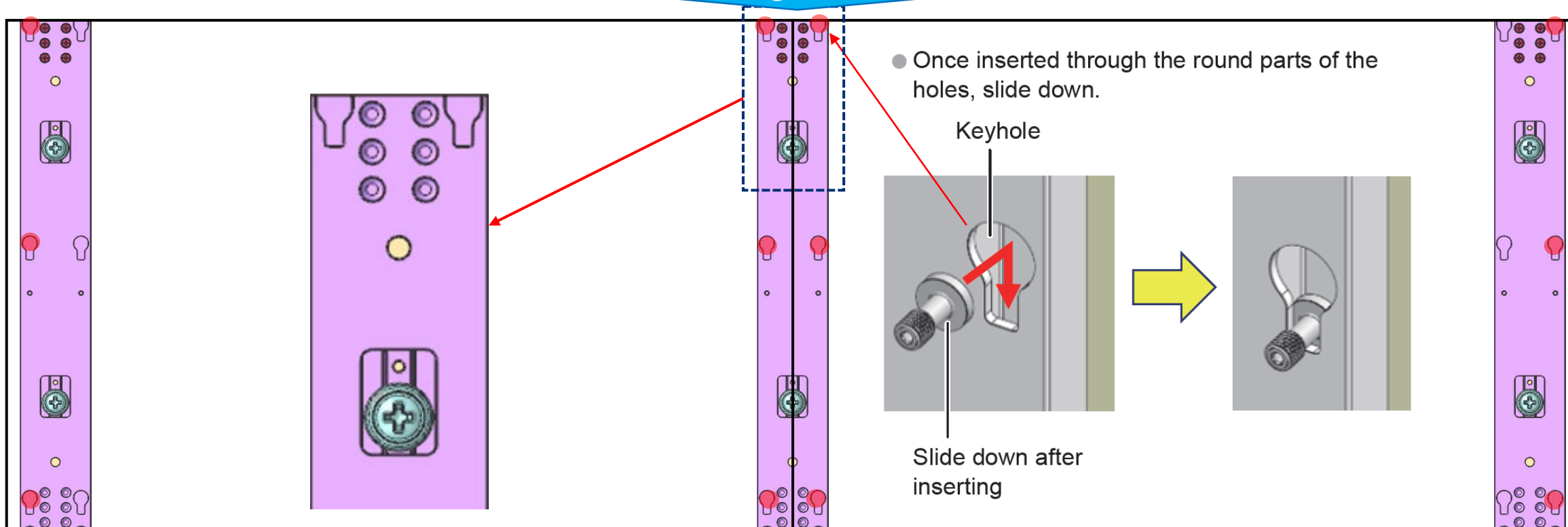
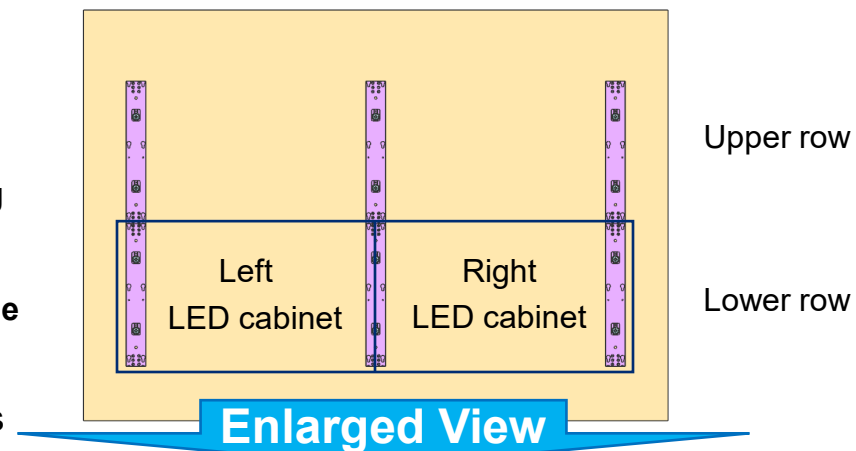
4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Mounting the Brackets on the Wall

Example: LED 2 × 2 Configuration

When installing a 2 × 2 LED cabinet configuration using the optional wall-mount brackets, use six wall-mount brackets and connect them into three sets as shown in the figure on the left. The center bracket is shared by the LED cabinets on both the left and right sides.

●: LED Cabinet Hanger Pin Mounting Locations



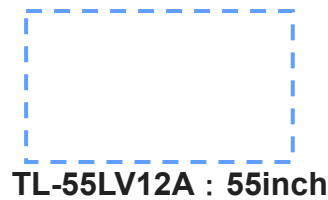
4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Mounting Each Cabinet

Example: LED 2 × 2 Configuration

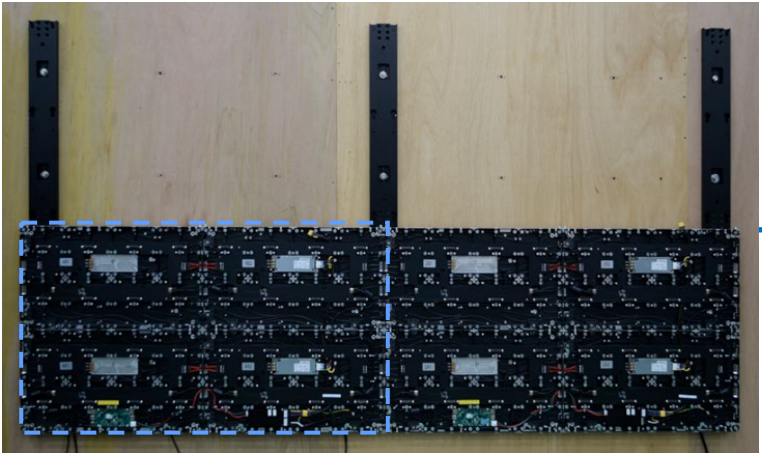
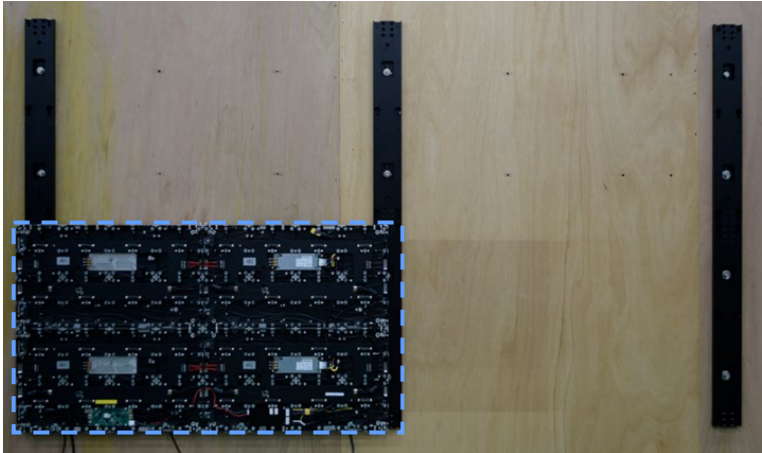
Mount the cabinets in sequence, starting from the lower row.

When the cabinet is recessed into a wall, provide at least 100 mm (4 in.) of clearance above the cabinet.



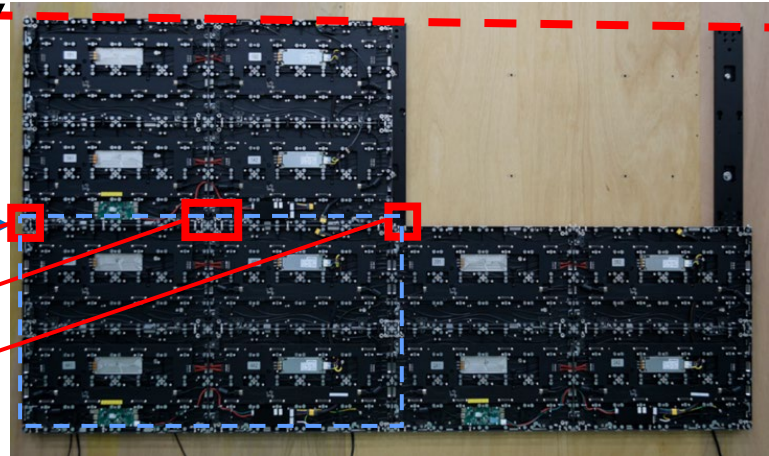
Upper Row

Lower Row

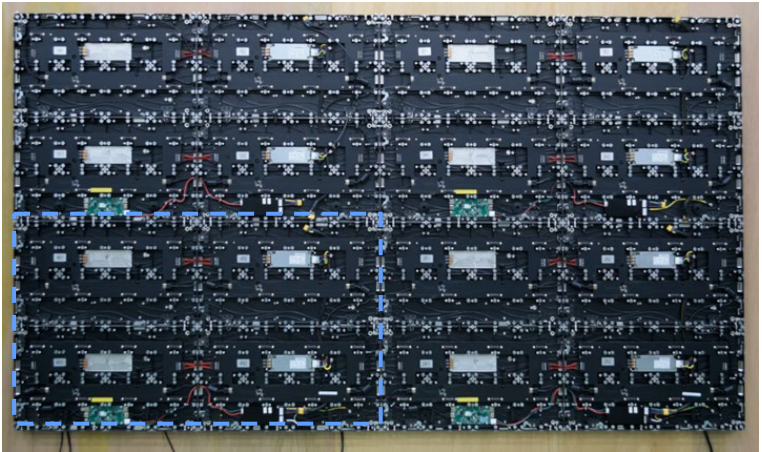
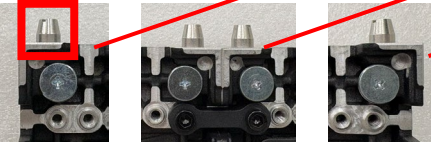


When connecting the upper and lower cabinets, take care not to damage the alignment pins located on the top of the lower cabinet.

Required Clearance: 100 mm (4 in.) or more



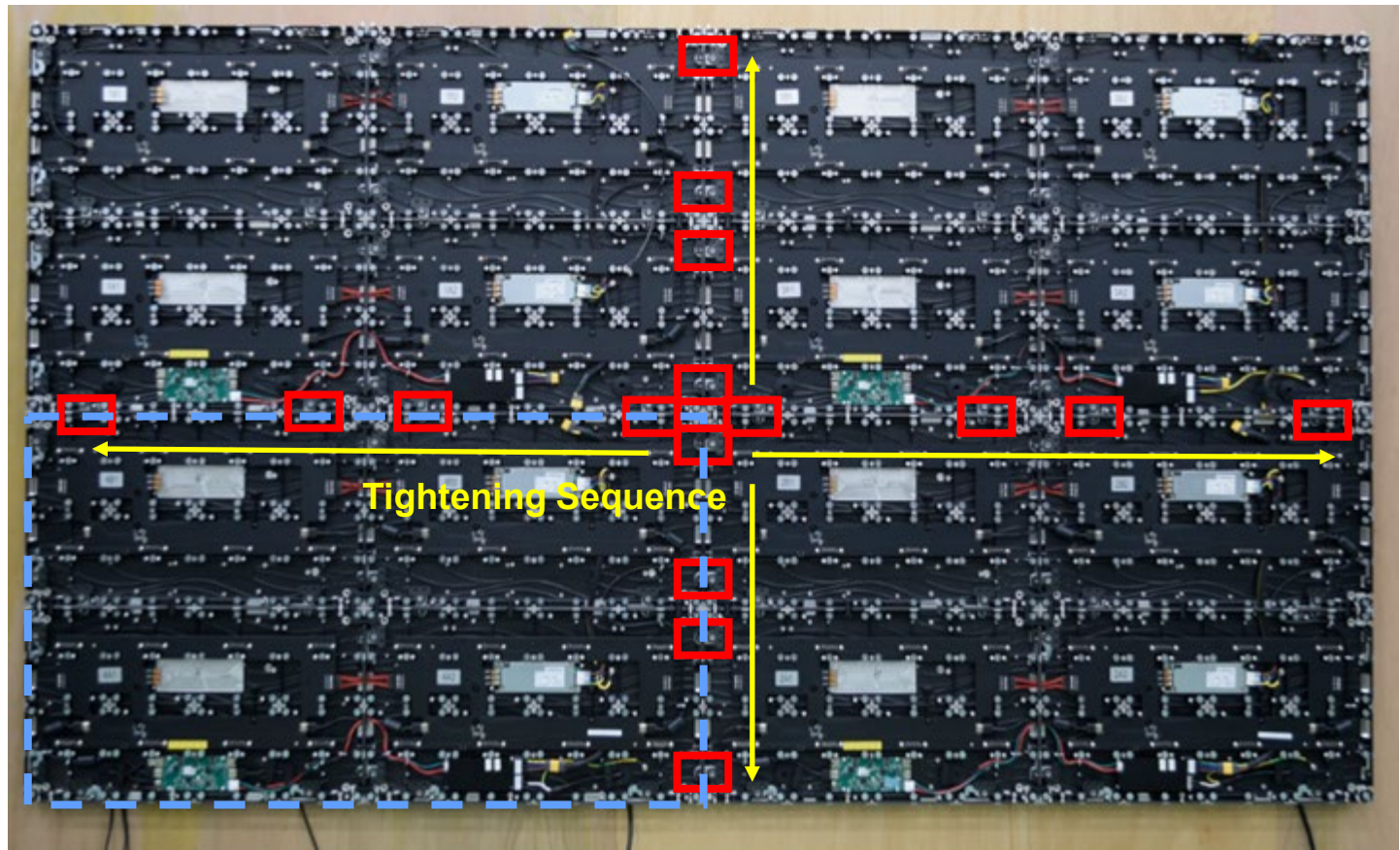
Alignment Pin Height: 10 mm



4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

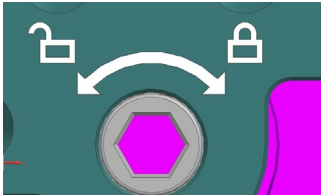
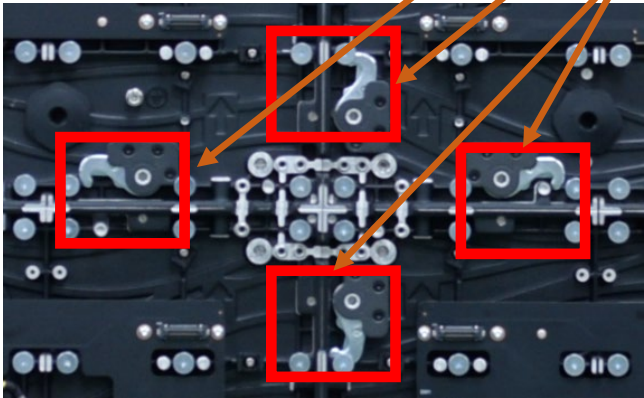
Connecting the Cabinets (1)

Before tightening the cabinet connection hooks, make sure that there are no misalignments or gaps between the cabinets. Then tighten the hooks securely.



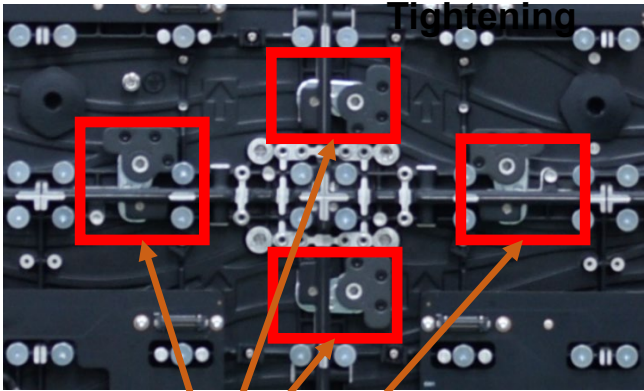
For a 2 × 2 cabinet configuration, tighten all sixteen (16) cabinet connection hooks in the order indicated by the arrows, starting from the center and working outward.

Before Tightening the Cabinet Connection Hooks



Referring to the lock symbol, turn each hex socket bolt in the tightening direction to connect it to the adjacent LED cabinet.

After Tightening



Tool



Hex wrench (HEX 5)
(Supplied)

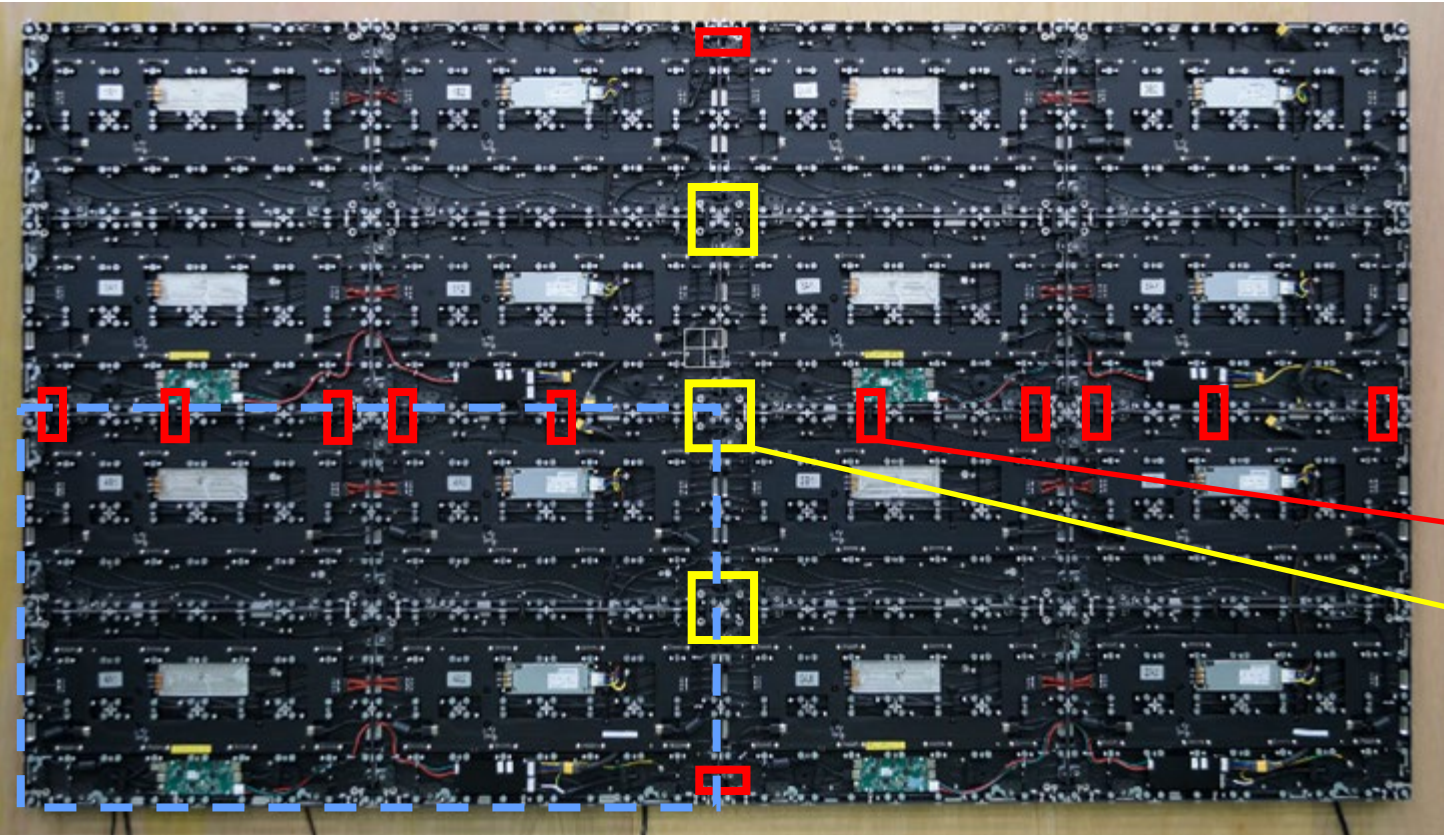
After tightening, verify that the cabinet connection hooks are fully locked.

Notes: When loosening the cabinet connection hooks, make sure to turn them until they are completely released.

4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Connecting the Cabinets (2)

Before tightening the connector plates, ensure that there are no misalignments or gaps between the cabinets. Then tighten the connector plates securely.



Between cabinets:
Connector plate (4 holes)

Edge cabinet: Connector plate (2 holes)

Tool

Hex wrench (HEX 3)
(Supplied)

Connector plate (2 holes)
(Supplied)

Connector plate (4 holes)
(Supplied)

M4-12 screw
(Supplied)

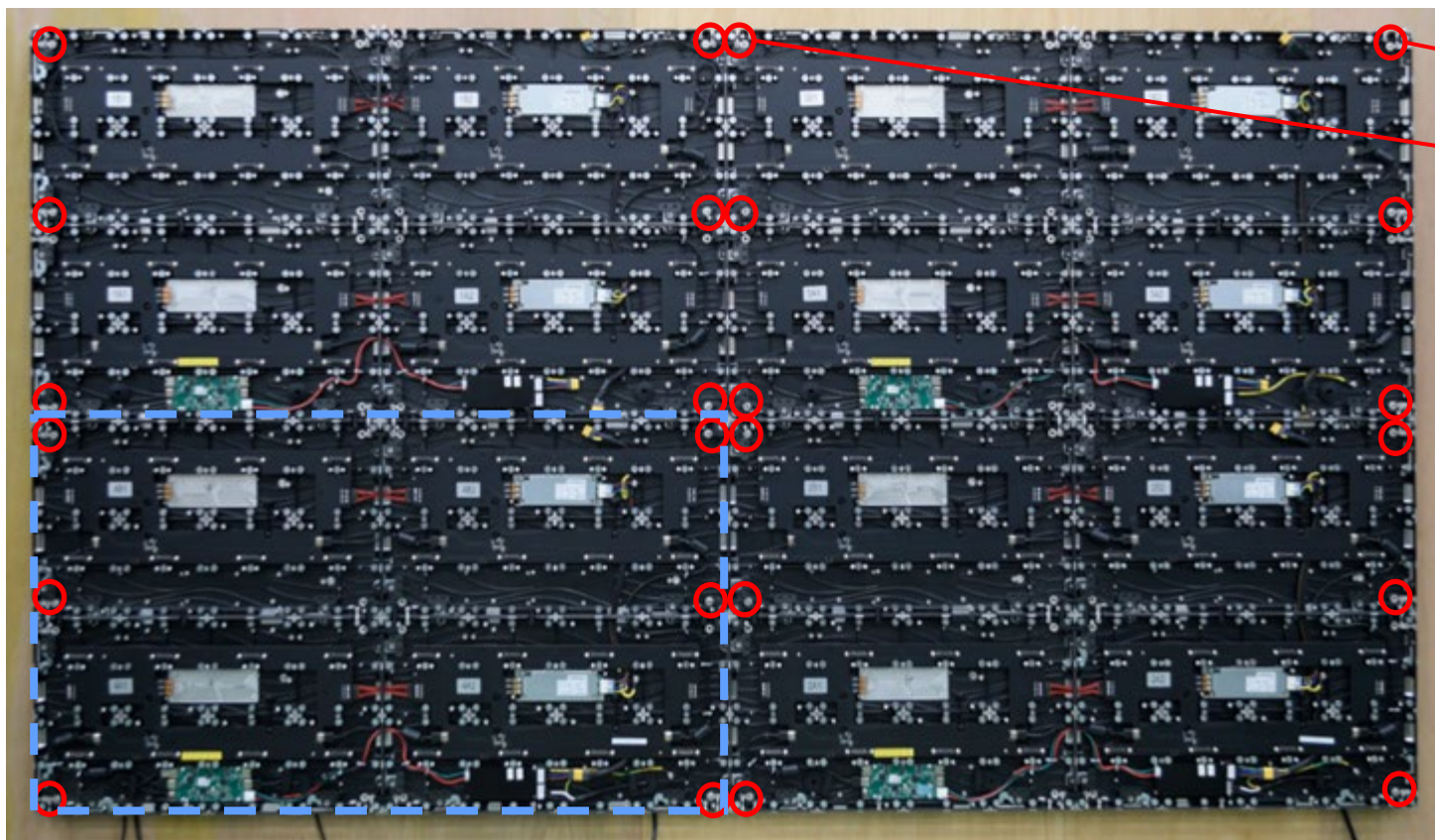
This block contains several detailed images and a parts list. At the top, two images show the placement of connector plates between cabinets (4 holes) and on edge cabinets (2 holes). A yellow arrow points from the main assembly image to a larger inset showing a connector plate being secured with a hex wrench. Below this, another inset shows an I-shaped connector plate being secured. The parts list on the right includes a green box labeled 'Tool', a line drawing of a hex wrench (HEX 3) labeled '(Supplied)', a line drawing of a connector plate (2 holes) labeled '(Supplied)', a line drawing of a connector plate (4 holes) labeled '(Supplied)', and a line drawing of an M4-12 screw labeled '(Supplied)'.

Secure the three (3) connector plates (4 hole) and twelve (12) I-shaped connector plates using the M4 × 12 screws supplied with the TL-55LV12A (16 screws supplied).

Notes: Depending on the cabinet configuration, some connector plates (4 holes) and connector plates (2 holes) may remain unused.

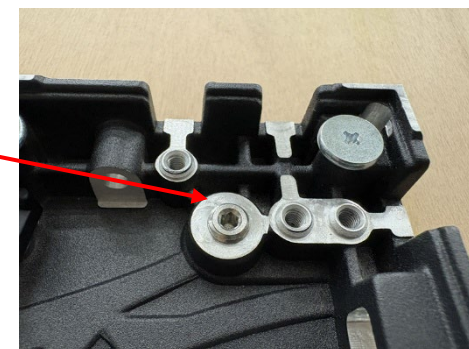
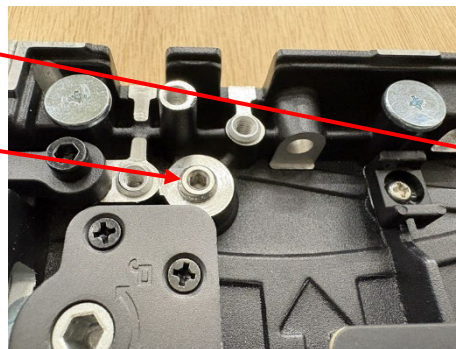
4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Securing the Connected Cabinets (1)

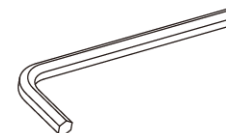


Secure the 24 hanger pins using a hex wrench (HEX5).

Tighten the hanger pins



tool



Hex wrench (HEX 5)

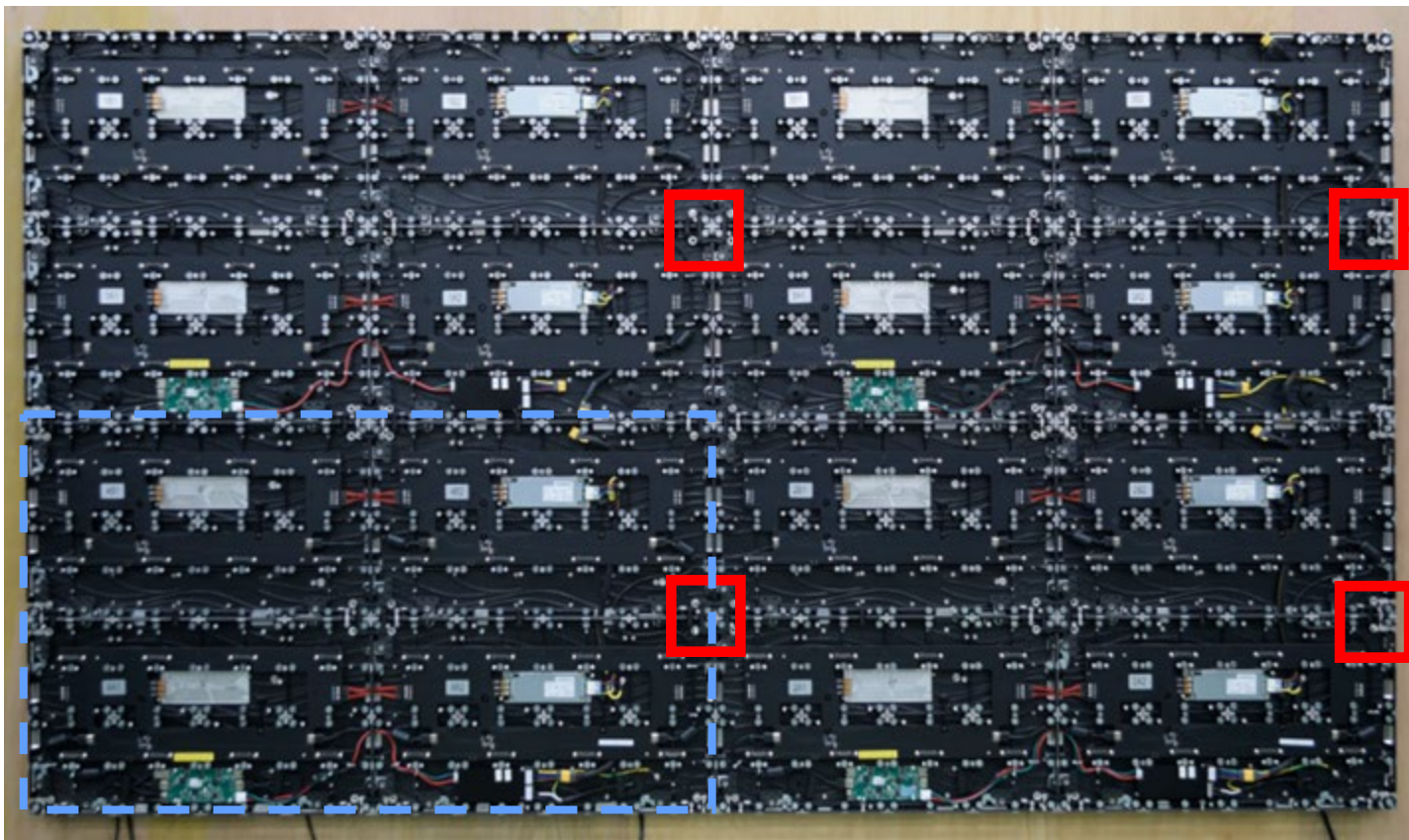
When tightening from the front, be aware that tightening direction will be counterclockwise.

Tightening torque : $6.2 \text{ N}\cdot\text{m} \pm 0.1 \text{ N}\cdot\text{m}$

(Standard tightening torque for aluminum, screw diameter 8 mm)

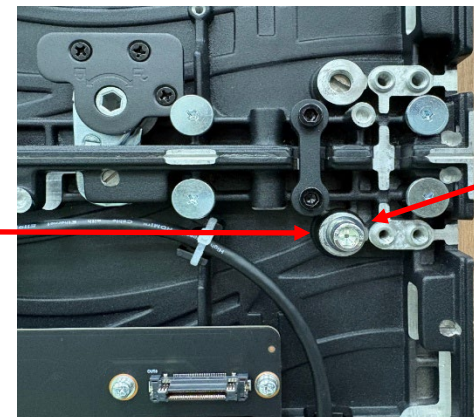
4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Securing the Connected Cabinets (2)



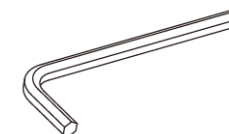
Tighten the retaining bolt (M6 x 25) at 4 points.
Secure one point for each 55-inch cabinet.

Tighten the retaining bolt



M6 x 25 bolt ,
supplied with
TY-WMT1
(Supplied)

tool



Hex wrench (HEX 5)

Tightening torque : 2.6 N·m ± 0.1 N·m

Notes

This applies only when using the optional wall-mount bracket (TY-WMT1).

4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Mounting the Cover Frame (1)

Attach the cover frames to the top, bottom, and sides of the main unit.

There are three types of cover frame: Cover Frame Horizontal (TY-CF55LVH1), Cover Frame Vertical (TY-CF55LTV1), and Cover Frame Corner (TY-CF55LVC1), with 1 set per 55-inch unit.

Cover Frame Horizontal (TY-CF55LVH1):
2 piece set



Cover Frame Vertical (TY-CF55LTV1):
2 piece set



Cover Frame Corner (TY-CF55LVC1):
4 piece set



Notes: Install the cover frame as required.

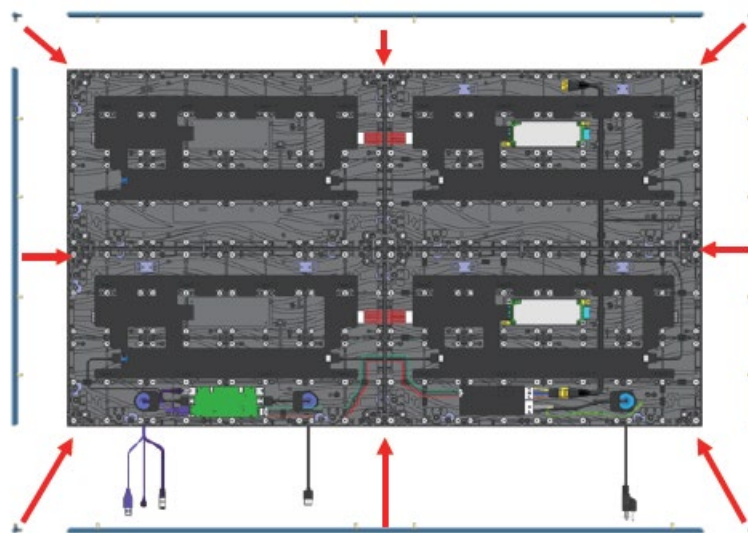


Illustration showing fitting

- 1 Attach the base pins (supplied with the cover frames) to assemble Cover Frame Horizontal (TY-CF55LVH1) and Cover Frame Vertical (TY-CF55LTV1).



Base pin

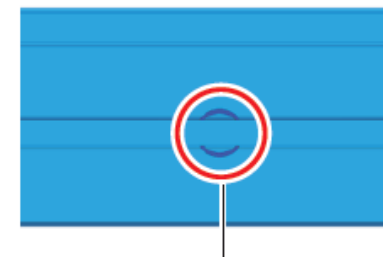
Cover Frame Vertical (TY-CF55LTV1)



Cover Frame Horizontal (TY-CF55LVH1)



A mark as shown in the following diagram is embossed in 4 locations each on the cover frames at the points indicated by the red arrows above.

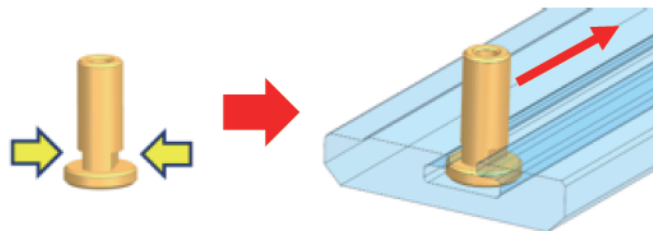


Mark indicating the place to fit the base pin

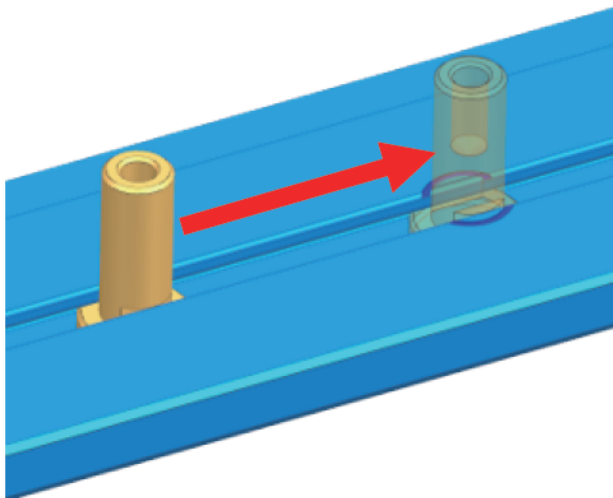
4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Mounting the Cover Frame (2)

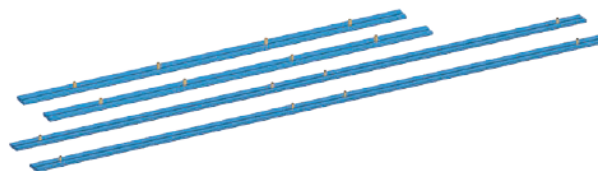
- ① The base pins have directionality, so pay attention to the base pin groove in the following diagram as you slide them into the cover frames.



- ② Slide the base pins up to the marks indicating the places to fit the pins so the pins match the marks.
 - The base pins are spring nuts, so the springs will temporarily hold the pins in position.



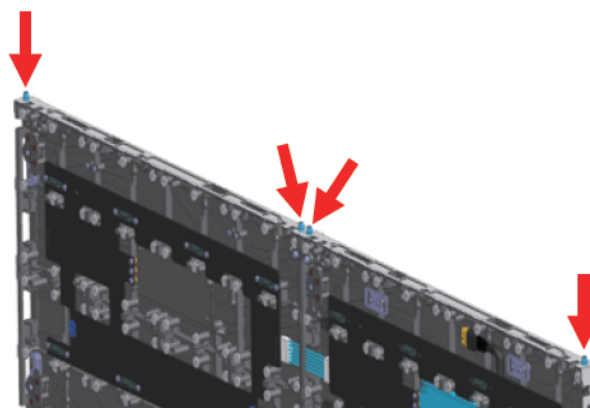
- ③ Use the same procedure to insert 4 pins into each of the cover frames.



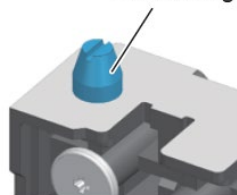
2 Attach Cover Frame Horizontal (TY-CF55LVH1) to the main unit.

- ① Use a flat head screwdriver to remove the 4 positioning pins at the top of the main unit.

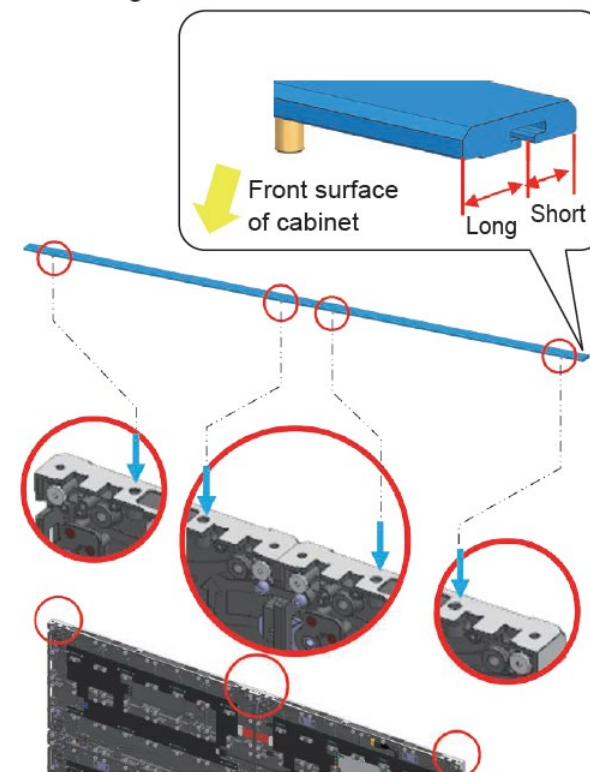
Positioning pins (4 places with red arrows in the below diagram)



Positioning pin



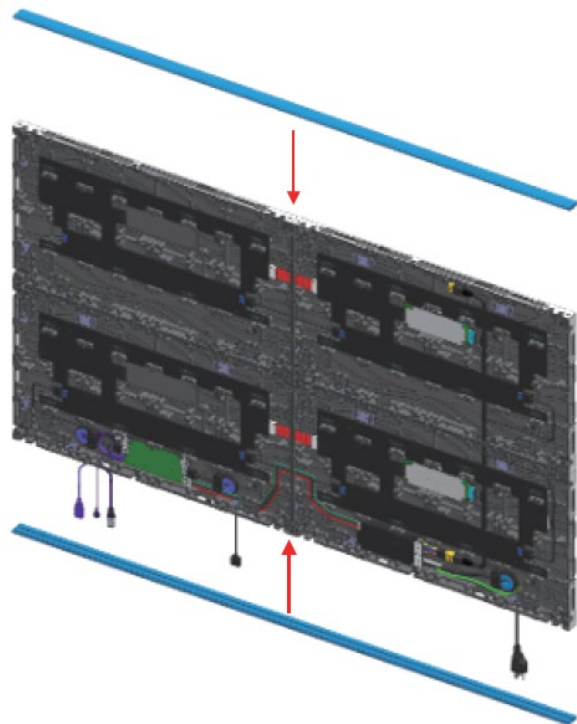
- ② Check the cross section of the cover frames, then insert the 4 base pins that you have fitted to each of the cover frames into the fitting holes on the main unit (refer to the blue arrows in the below diagram). Make sure the side with the longer distance from the groove to the edge surface faces the front (towards the LED module).
- With the base pins of the cover frames facing toward the cabinet, position the cover frames so that the side with the longer distance from the groove of the frame to the edge faces the front surface of the cabinet.



4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Mounting the Cover Frame (3)

- When doing this, ensure the cover frame does not become horizontally misaligned with the main unit and ensure the positioning is correct.



- 3 Use the hex wrench (HEX2) supplied with the cover frames to tighten the supplied M3 × 10 bolts at 4 locations each at the top and bottom.

Tightening torque: $0.3 \text{ N}\cdot\text{m} \pm 0.01 \text{ N}\cdot\text{m}$

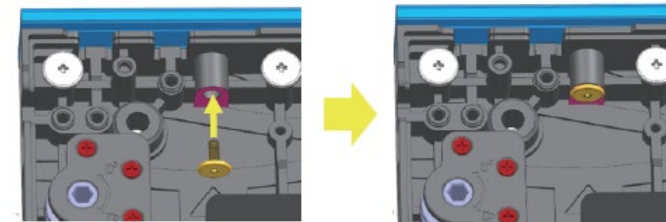
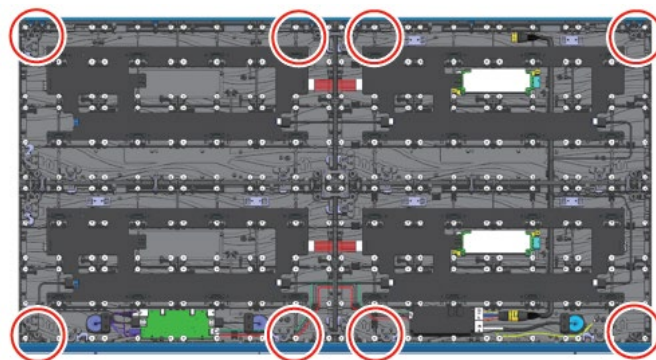


Hex wrench
(Supplied)

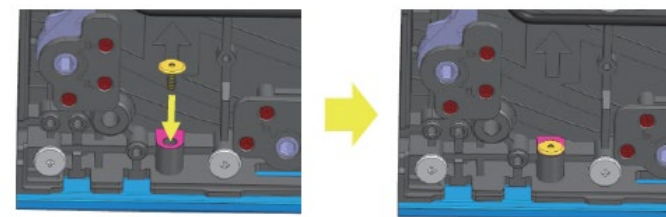


Supplied M3 x 10 bolt
(Supplied)

Places to tighten bolts (8 places with red circles)



Upper side



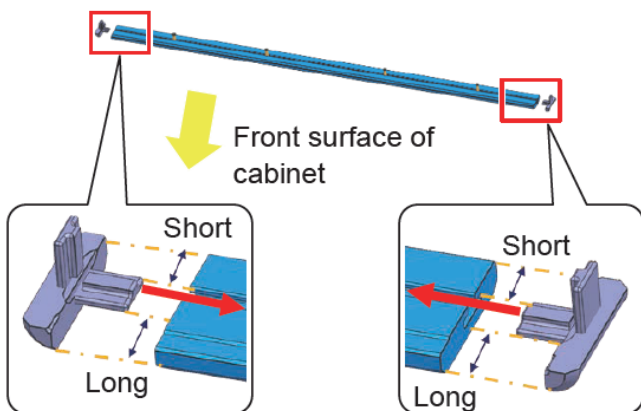
Lower side

4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Mounting the Cover Frame (4)

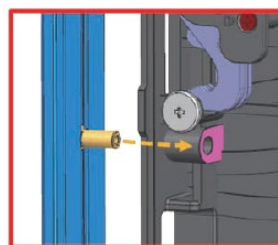
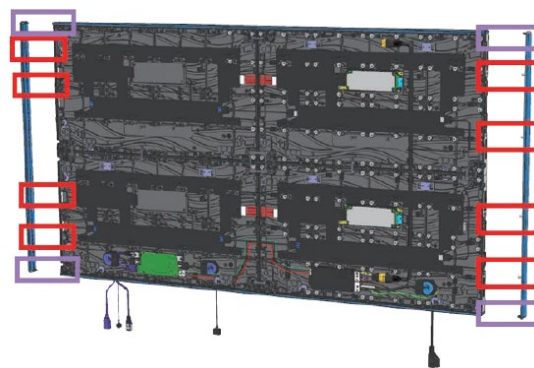
4 Insert 2 each of Cover Frame Corner (TY-CF55LVC1) onto each Cover Frame Vertical (TY-CF55LVV1).

- Pay attention to the directions and insert so that they match the cross section of the cover frames as shown in the following diagram.

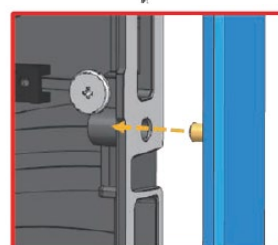


5 Attach Cover Frame Vertical (TY-CF55LVV1) to the main unit.

- Match the positions of the 4 base pins and holes on the left and right (refer to the red boxes in the below diagram) to attach.

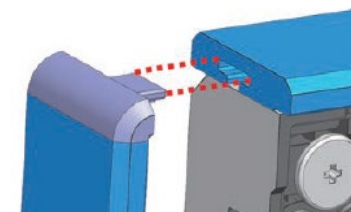


Left



Right

- Take care to match the protrusions on the Cover Frame Corner (TY-CF55LVC1) and the grooves on the Cover Frame Horizontal (TY-CF55LVH1) indicated by the 4 purple boxes in the above diagram.



4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Mounting the Cover Frame (5)

- 6 Use the hex wrench (HEX2) supplied with the cover frames to tighten the supplied M3 × 10 bolts at 4 locations each at the left and right.

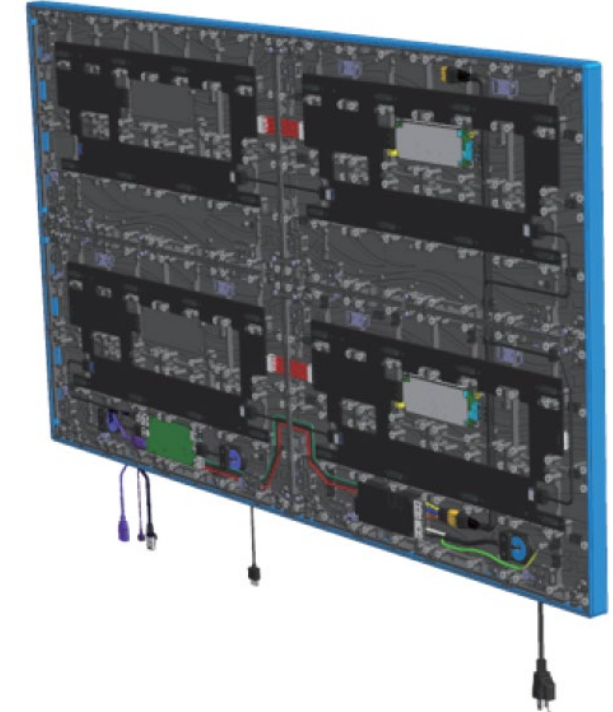
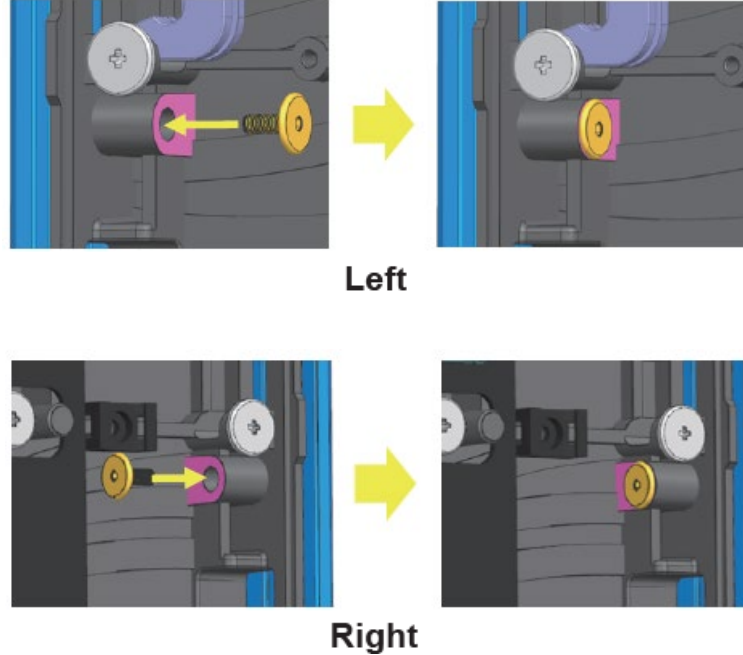
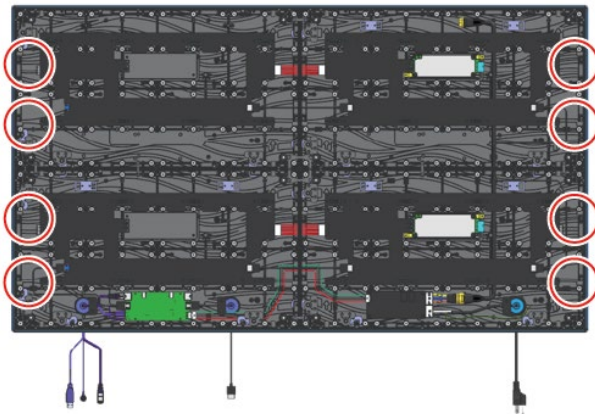
Tightening torque: $0.3 \text{ N}\cdot\text{m} \pm 0.01 \text{ N}\cdot\text{m}$



Hex wrench

Supplied M3 x 10 bolt

Places to tighten bolts (8 places with red circles)

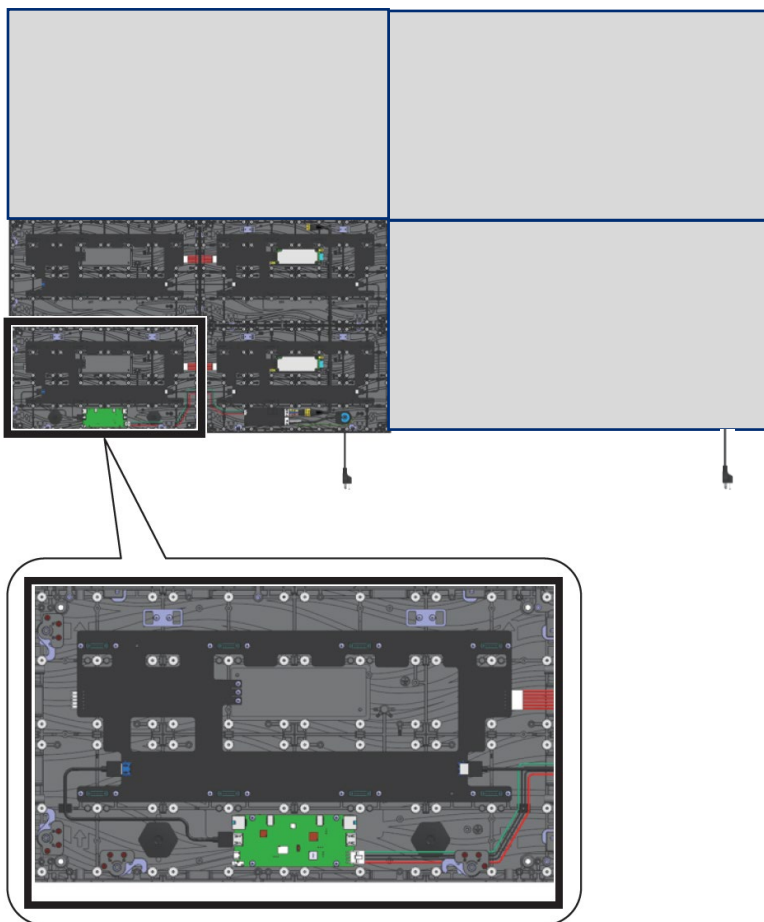


Completed diagram

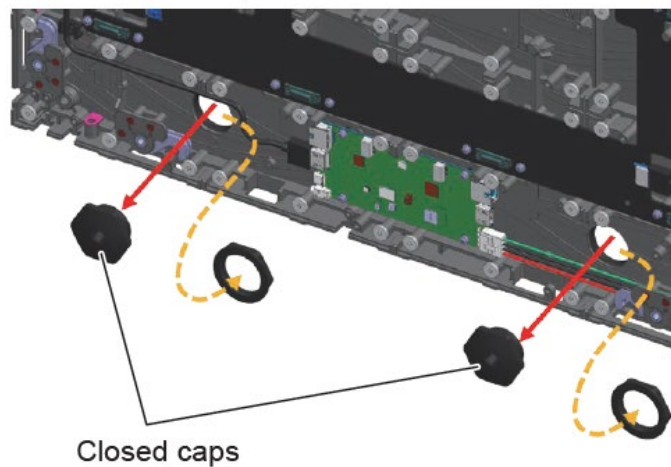
4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Cable Routing (1)

Example: LED 2 × 2 Configuration

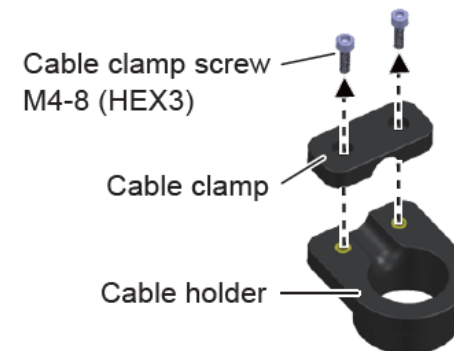


- 1 Unscrew the closed caps (not required once removed) to remove them.

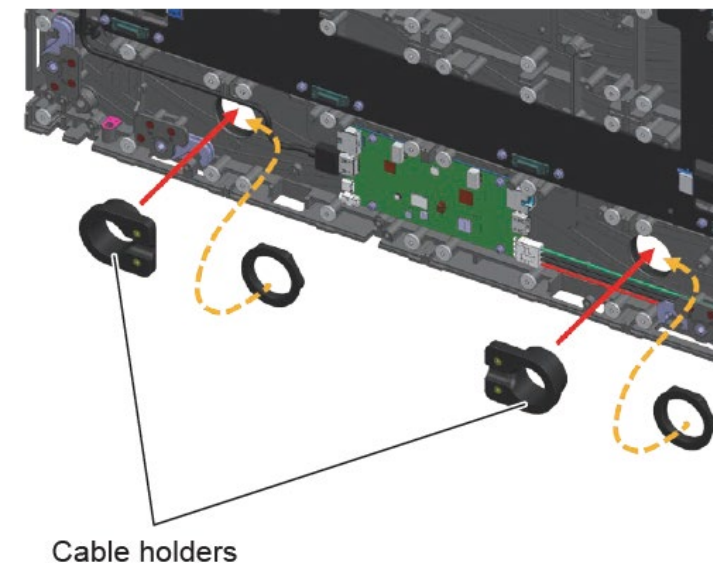


- 2 Attach the cable holders.

- ① Take off the cable clamp before attaching.



- ② Attach the cable holder by twisting it to secure it.

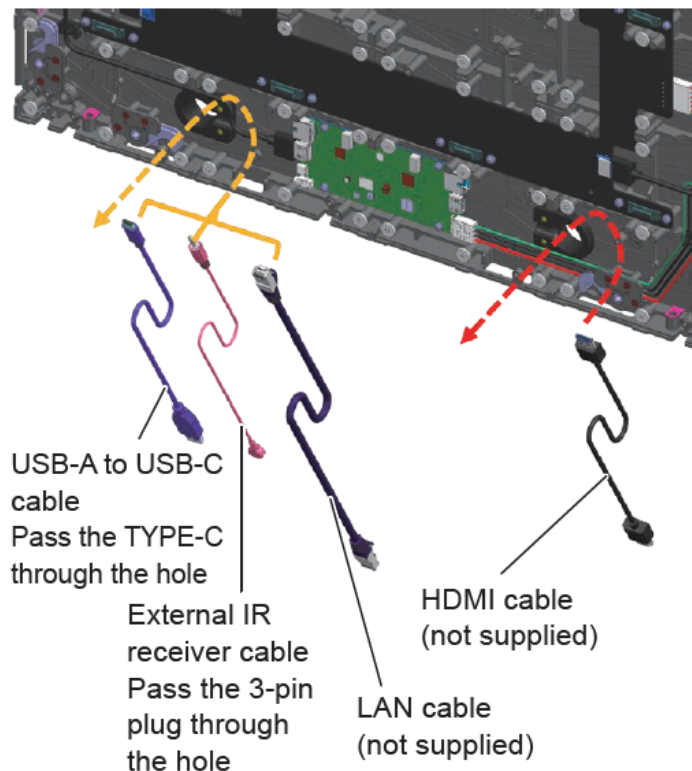


4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Cable Routing (2)

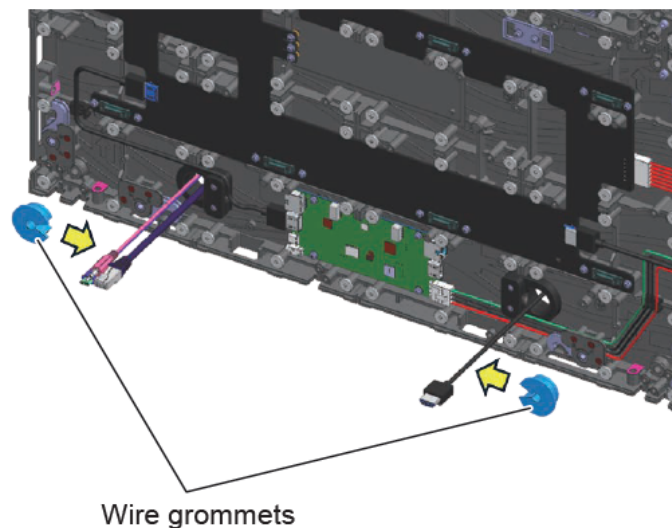
Example: LED 2 × 2 Configuration

- 3 Pass the cables through the cord holes as shown in the diagram below.

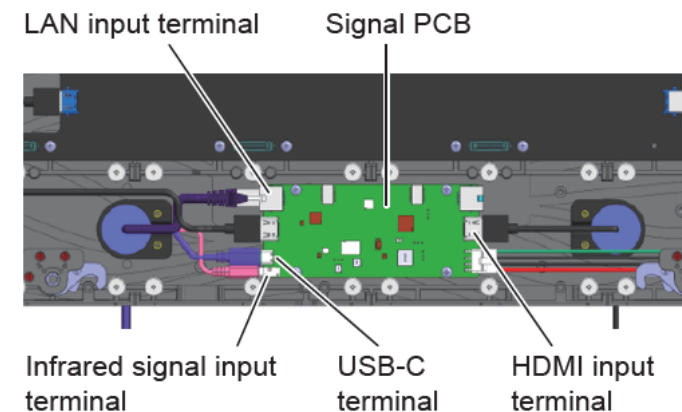


- 4 Open the slits in the wire grommets (Φ8 mm) and pass the cables through the holes in the grommets, then attach the wire grommets to the cable holders.

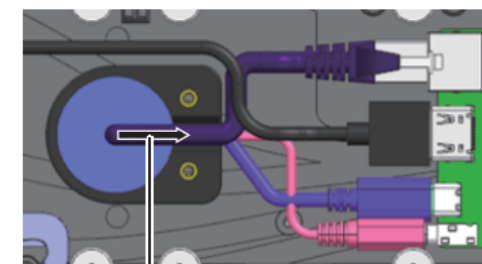
● Pay attention to the direction that the slit of the wire grommet faces (the yellow arrow in the below diagram).



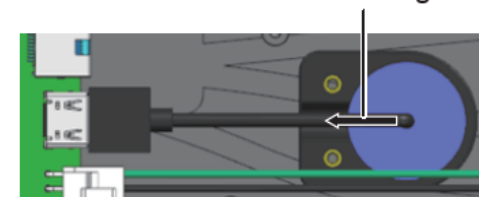
- 5 Connect each of the cables to their respective terminals on the signal PCB.



- 6 Fit the cables into the slits in the wire grommets.



Direction of the slit in the wire grommet



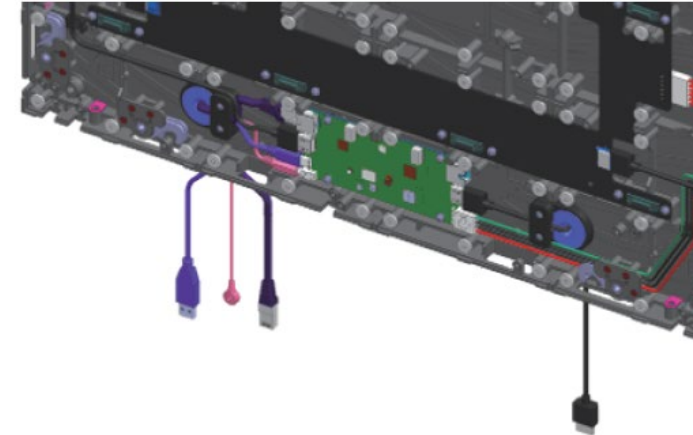
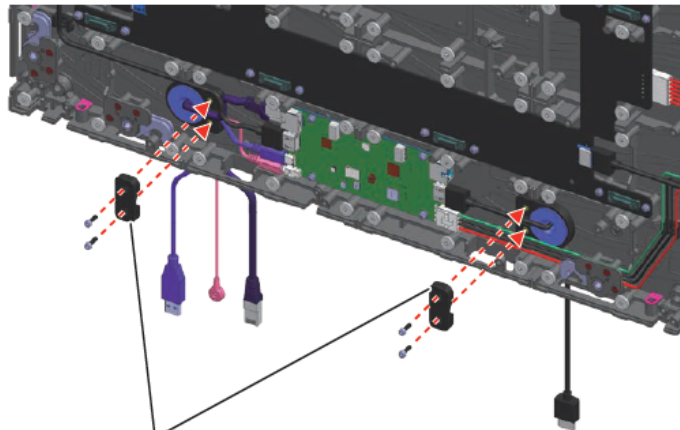
4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Cable Routing (3)

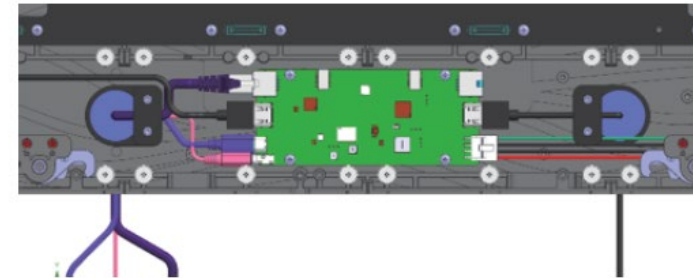
Example: LED 2 × 2 Configuration

7 Secure the cables with the cable clamps.

- Take care not to pinch the cables with the screw parts of the clamps.



- After securing the cables, confirm that the input cables are firmly connected.



4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

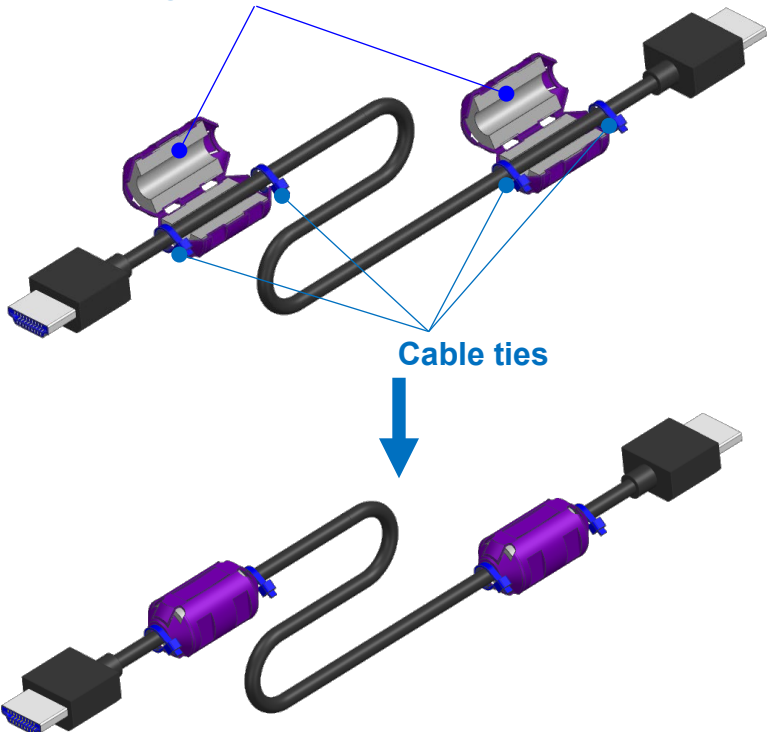
Cable Routing (4)

Example: LED 2 × 2 Configuration

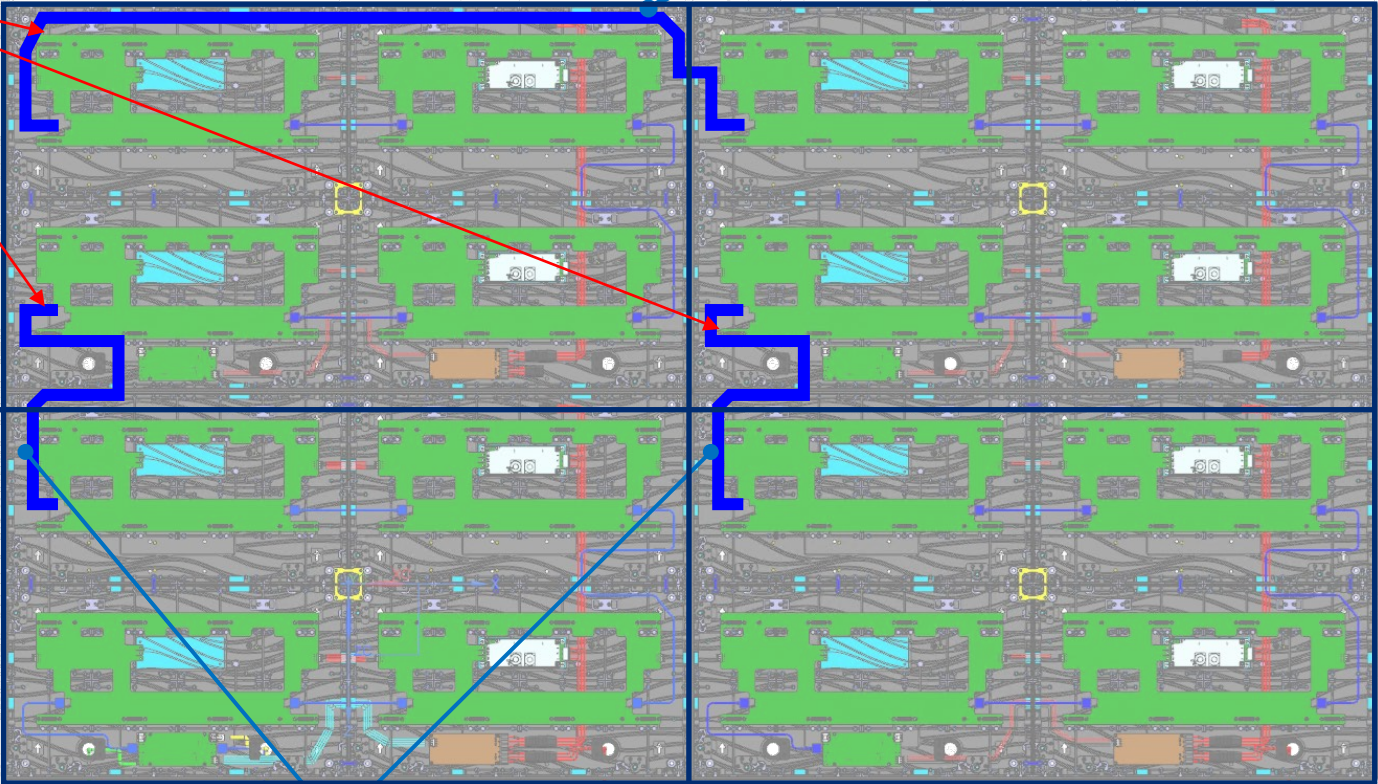
Install the ferrite core between the cable ties after connecting HDMI cables between cabinets.

*HDMI cable included with the 55" unit 1 each of 1.8 m and 0.7 m is included.

Ferrite core mounting section: Between cable ties



Connect the HDMI interconnection cables.



55 " left and right
For video signal connection _110 "

HDMI Cable Approx. 1.8 m
(Included)

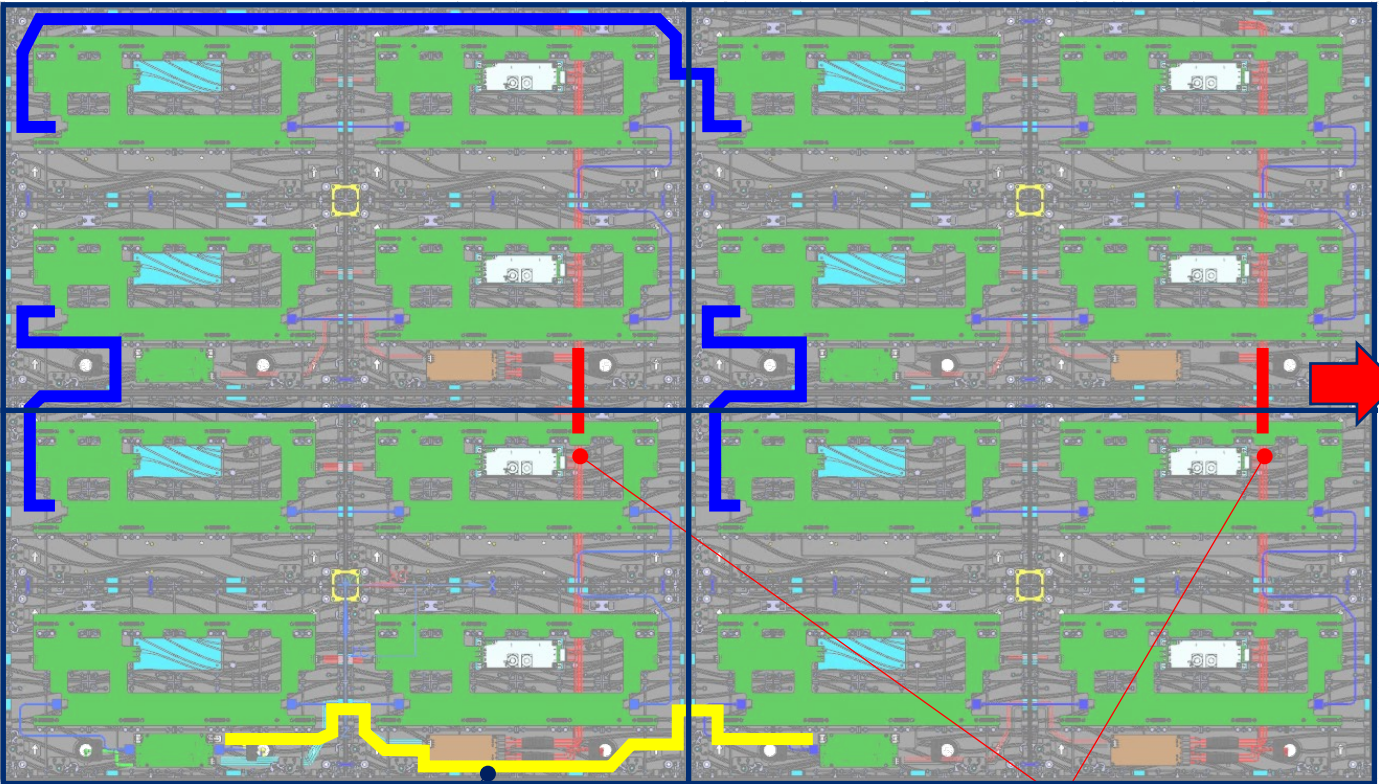
55 " Video signal connections between top and bottom (2 locations)
HDMI Cable Approx. 0.7 m
(Included)

4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Cable Routing (5)

Example: LED 2 × 2 Configuration

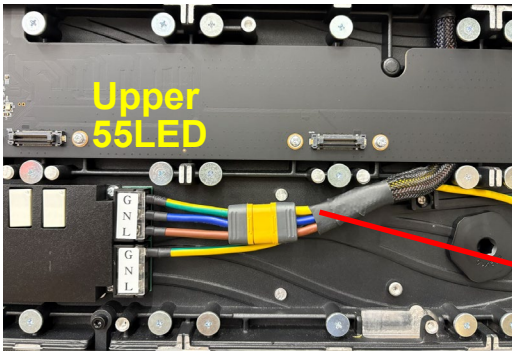
Connect the LAN and power cables.



Control signal (LAN)
connection between left 55''
and right 55''

Power cable(AC) connections
between upper 55'' and lower 55''
(2 places)

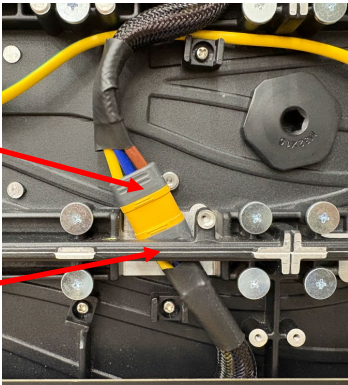
Disconnect the connector.



Remove the fixed tie
wraps.



Connect the upper and
lower connectors.

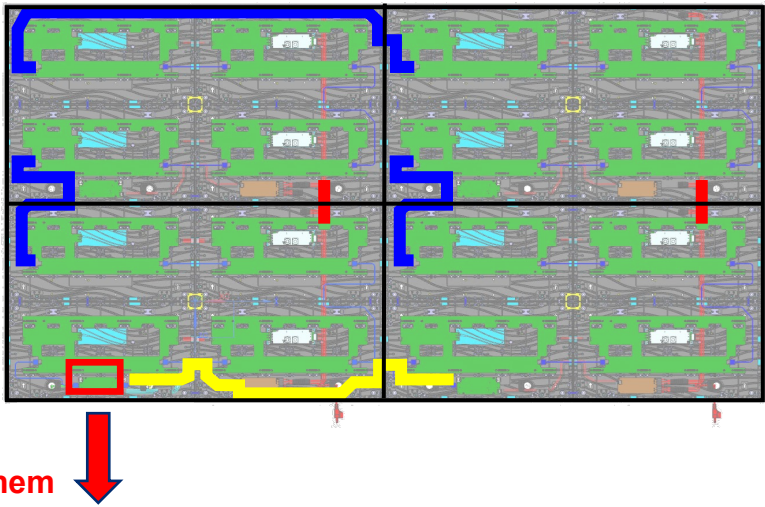


4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Cable Routing (6)

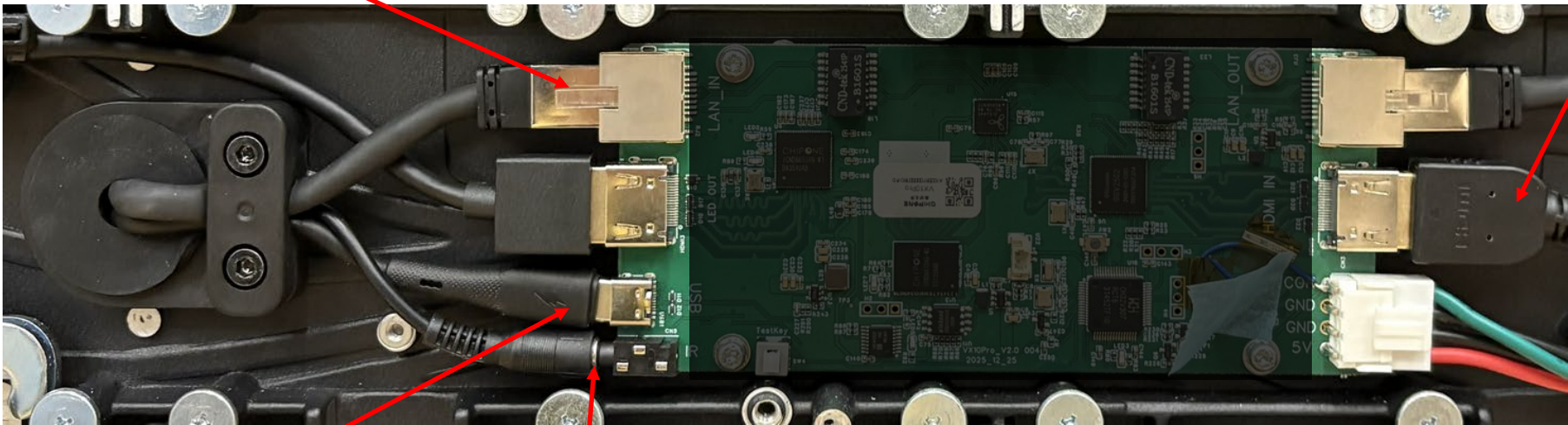
Example: LED 2 × 2 Configuration

Connect the input cables



LAN cable

If necessary
The installer will need to prepare them



USB cable
(Supplied)

IR cable
(Remote control receiver cable)
(Supplied)

HDMI cable
(video input)

The installer will need to prepare the following cables.

HDMI cable (for input of video signals)

- Select an HDMI cable that meets the dimensional requirements shown below.

38 mm max

22.5 mm max

9 mm max

16 mm max

4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

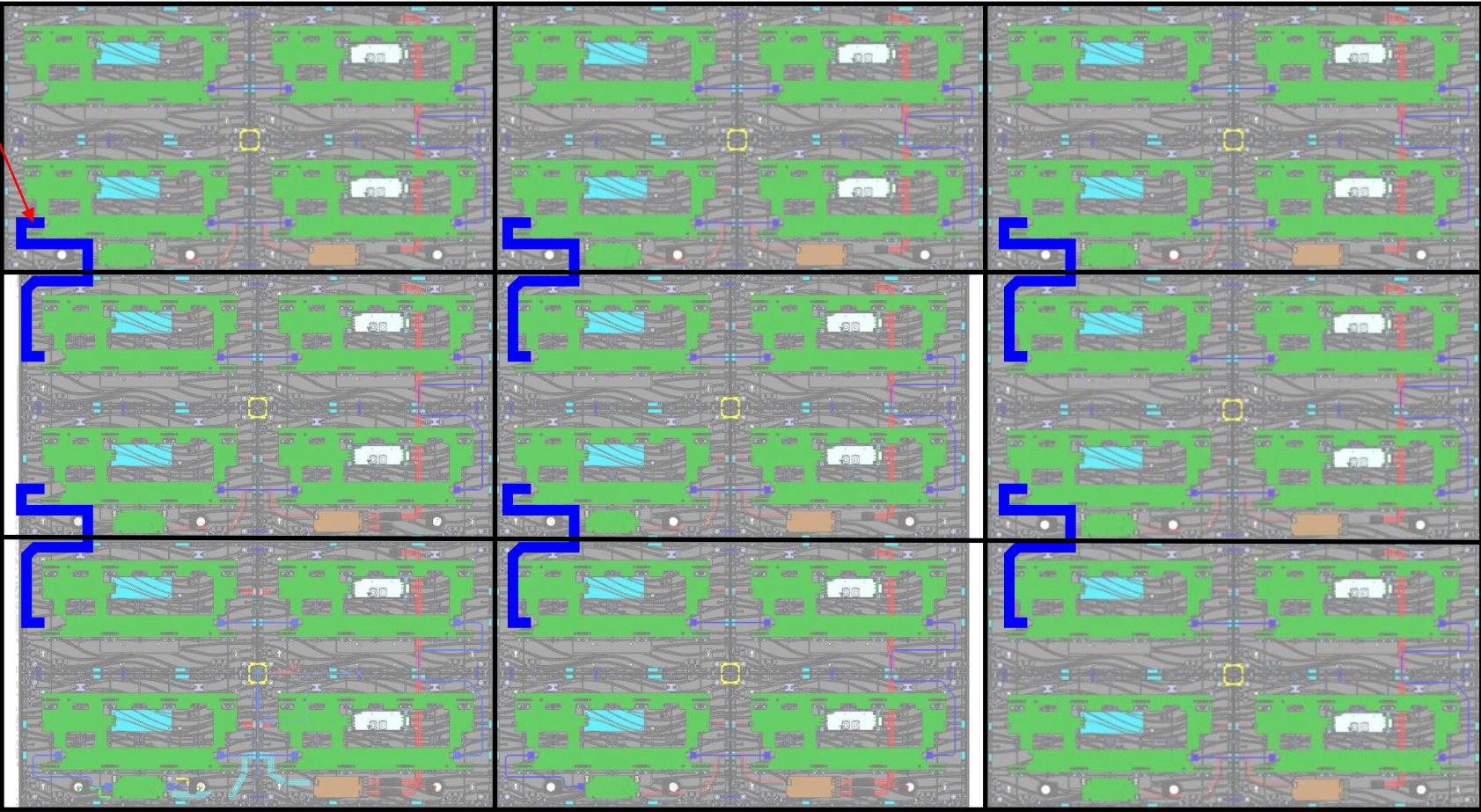
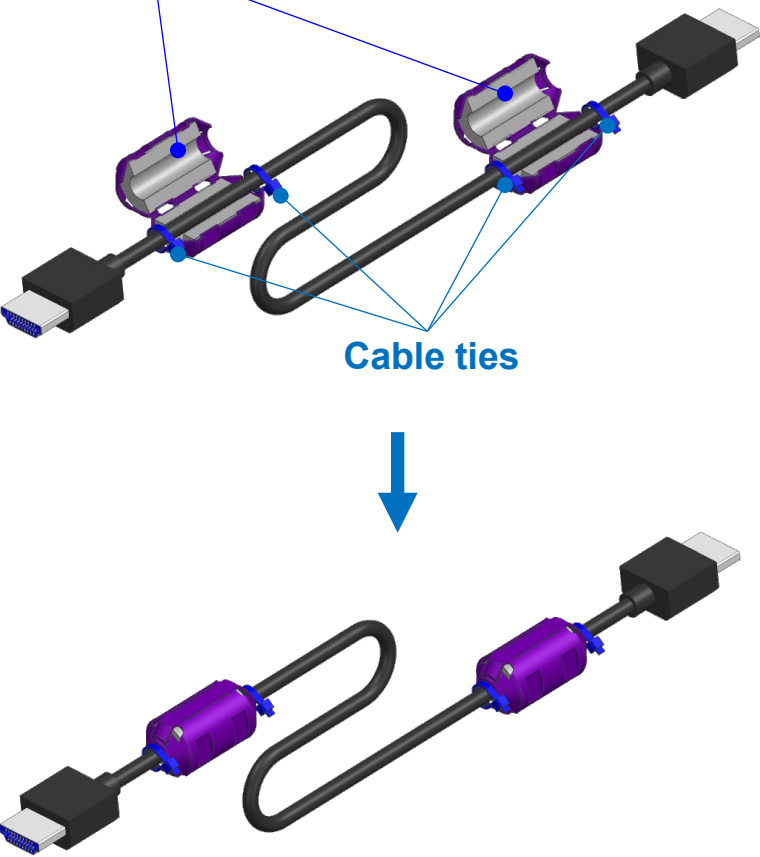
Cable Routing (7)

Example: LED 3 × 3 Configuration

After connecting HDMI cables between cabinets (6 places), install ferrite cores between cable ties.

*HDMI cable included with the 55" unit 1 each of 1.8 m and 0.7 m is included.

Ferrite core mounting area:
Between cable ties



Video signal connection between 55 " top and bottom (6 places)

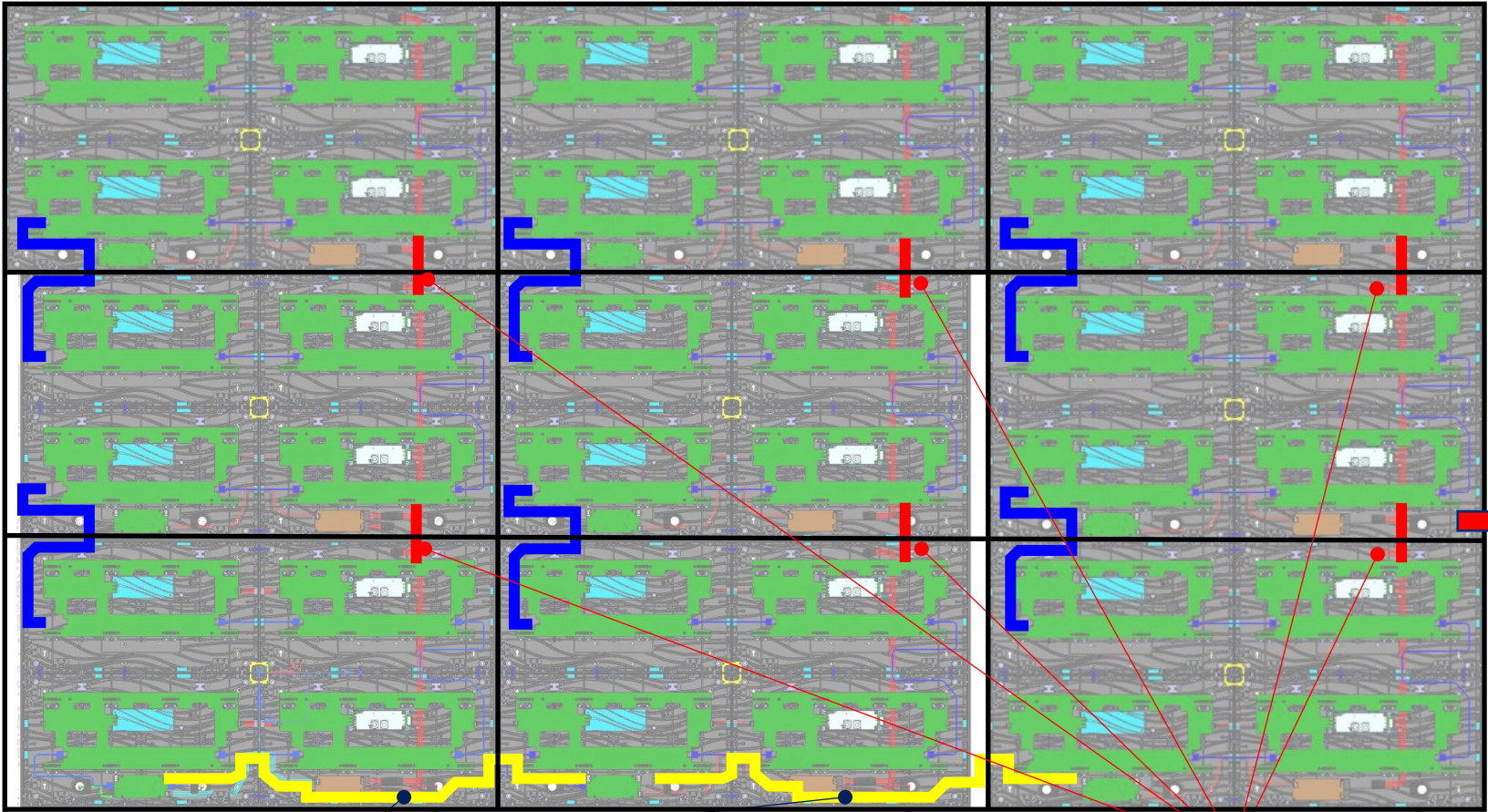
HDMI cable Approx. 0.7 m (Supplied)

4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Cable Routing (8)

Example: LED 3 × 3 Configuration

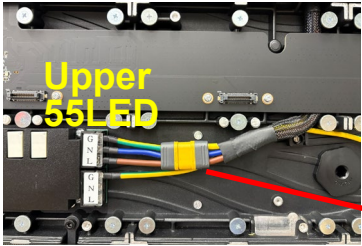
Connect the LAN and power cables.



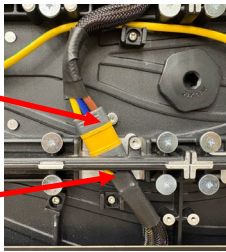
Control signal (LAN) connection between left 55" and right 55" (2 places)

Power cable(AC) connections between upper 55" and lower 55" (6 places)

Disconnect the connector.



Connect the upper and lower connectors.



Remove the fixed tie wraps.

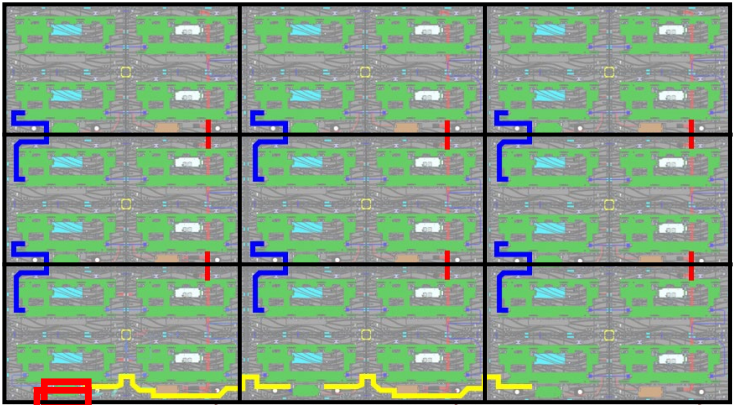


4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Cable Routing (9)

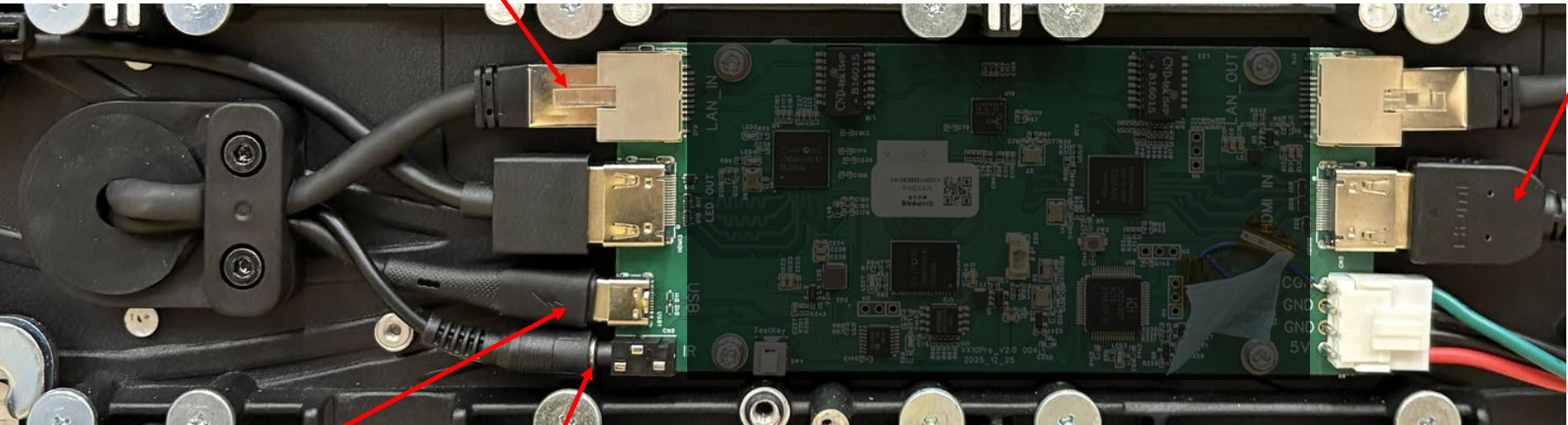
Example: LED 3 × 3 Configuration

Connect the input cables.



If necessary
The installer will
need to prepare them.

LAN cable

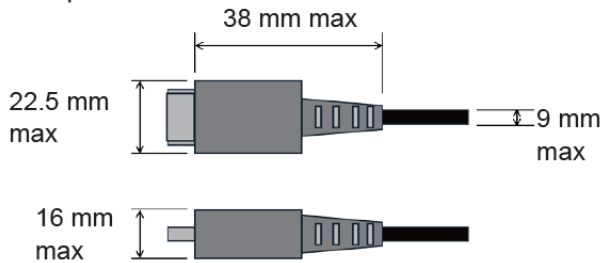


HDMI cable
(video input)

The installer will need to prepare
the following cables.

HDMI cable (for input of video signals)

- Select an HDMI cable that meets the dimensional requirements shown below.



USB cable
(Supplied)

IR cable
(Remote control receiver cable)
(Supplied)

4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

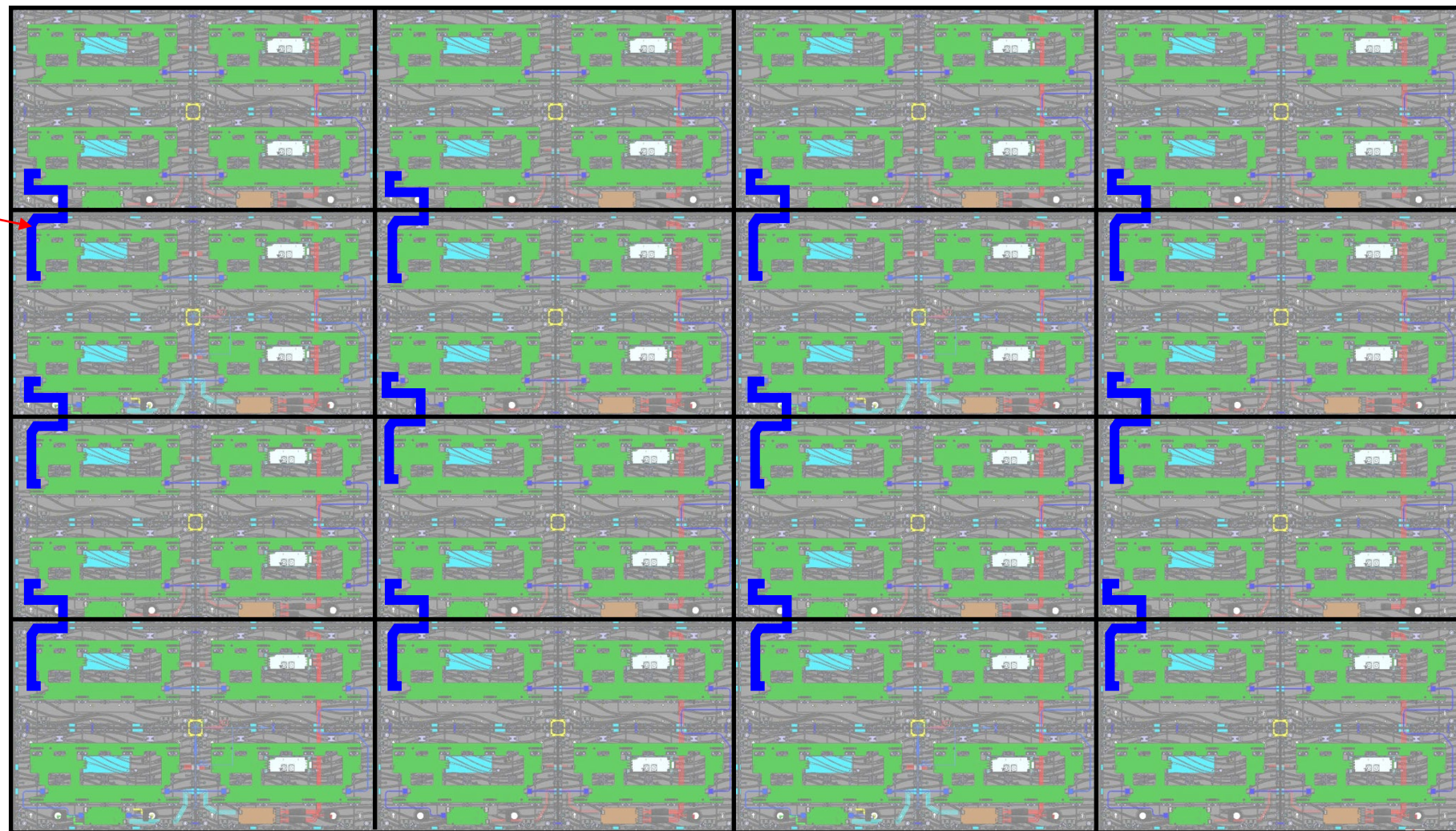
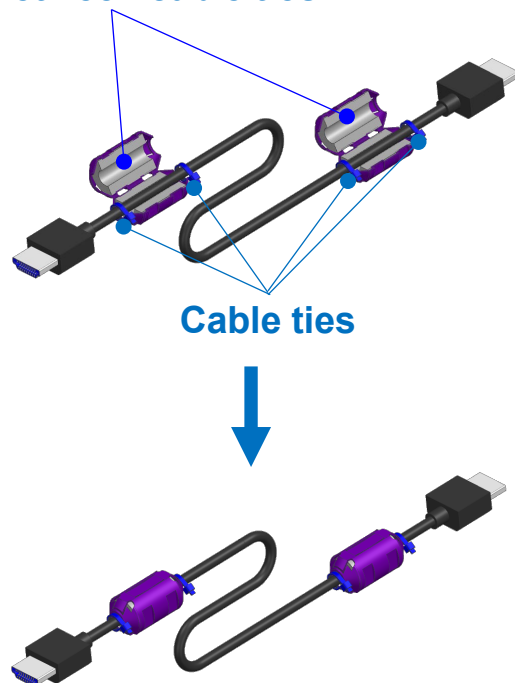
Cable Routing (10)

Example: LED 4 × 4 Configuration

*HDMI cable included with the 55" unit 1 each of 1.8 m and 0.7 m is included.

Connect HDMI cables between cabinets (12 places) and install ferrite cores between cable ties.

Ferrite core mounting area:
Between cable ties



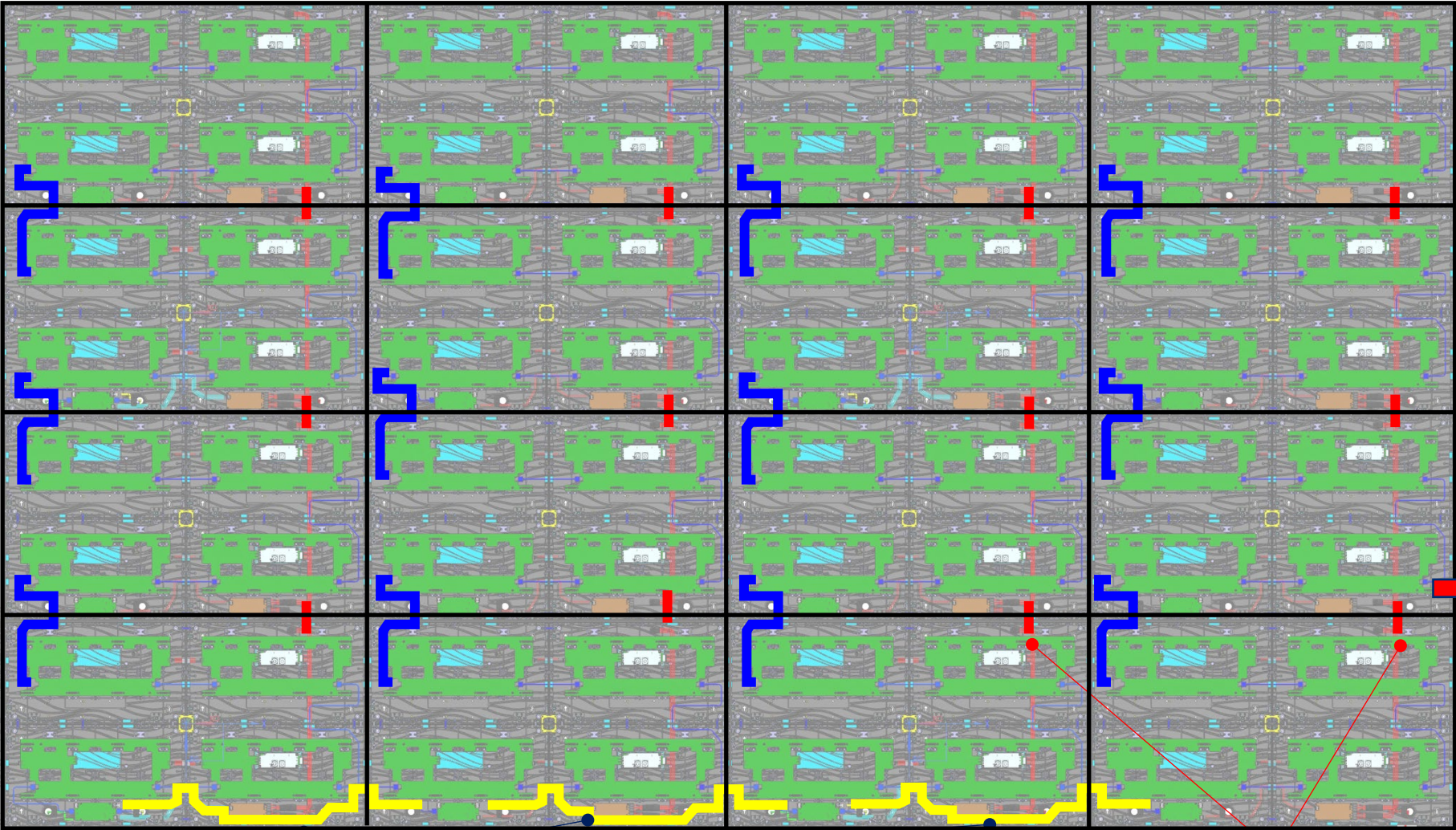
Video signal connection between 55" top and bottom (12 places)
HDMI cable Approx. 0.7 m (Supplied)

4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

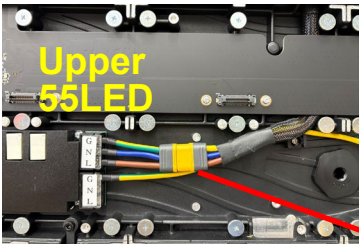
Cable Routing (11)

Example: LED 4 × 4 Configuration

Connect the LAN and power cables.



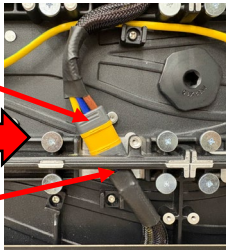
Disconnect the connector.



Remove the fixed tie wraps.



Connect the upper and lower connectors.



Control signal (LAN) connection between left 55" and right 55" (3 places)

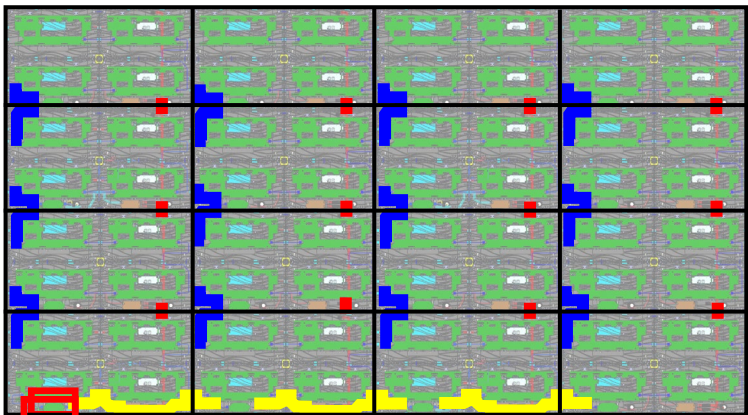
Power cable(AC) connections between upper 55" and lower 55" (12 places)

4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Cable Routing (12)

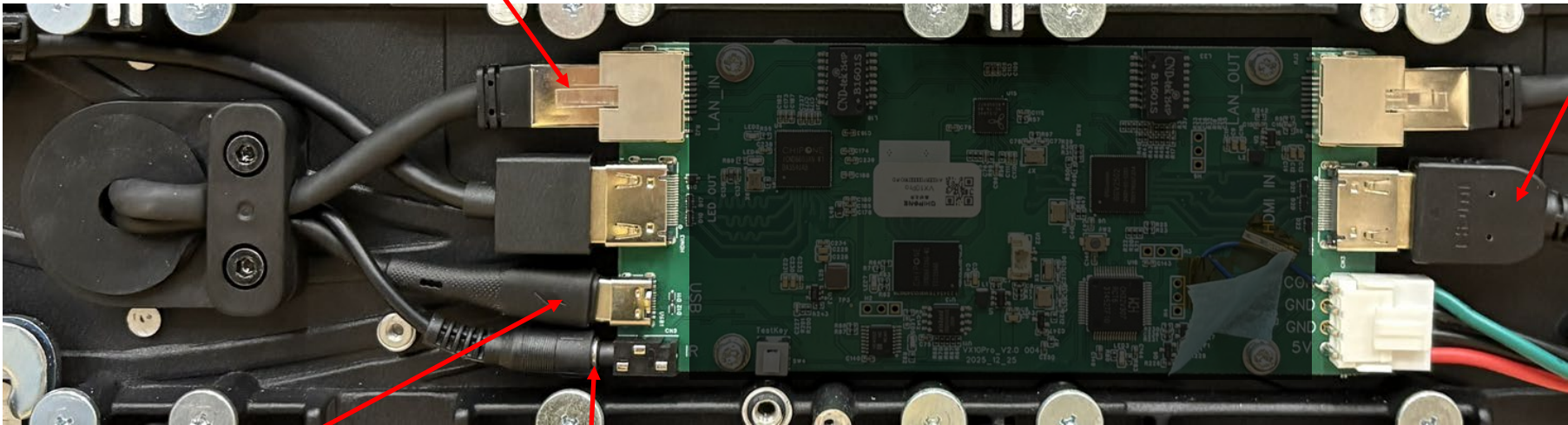
Example: LED 4 × 4 Configuration

Connect the input cables



If necessary
The installer will need
to prepare them.

LAN cable



USB cable
(Supplied)

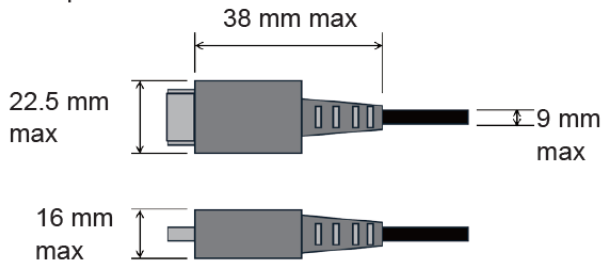
IR cable
(Remote control receiver cable)
(Supplied)

HDMI cable
(video input)

The installer will need to prepare
the following cables.

HDMI cable (for input of video signals)

- Select an HDMI cable that meets the dimensional requirements shown below.



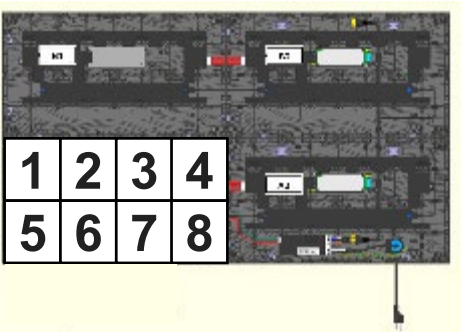
4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Installing the LED module

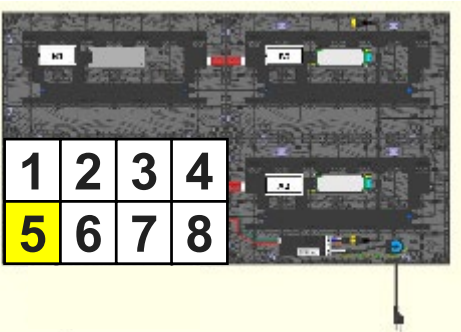
For a single 55 inch

1. Check the label on the back of the LED module.
Example:1 A1-5
Similarly, check the label on the HUB board of the cabinet.
Example:1 A1, 1 A2, 1B1, 1B2

The first 2 digits of the label on the back of the LED module indicate the cabinet (27.5 inches) within 55 inches, and the last 1 digit indicates the position within that cabinet.
The numbering rules for each cabinet are shown below.

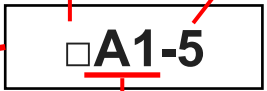
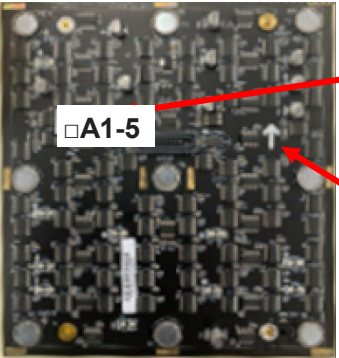


In this example, the LED module is located at the bottom left of Cabinet A1 (indicated in yellow in the figure below).



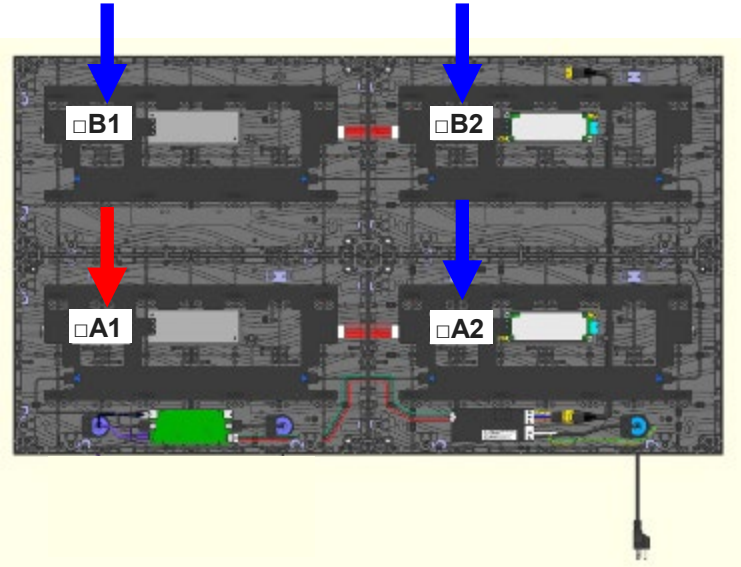
Cabinet number (The number changes for each cabinet of the same production lot.)

Module position



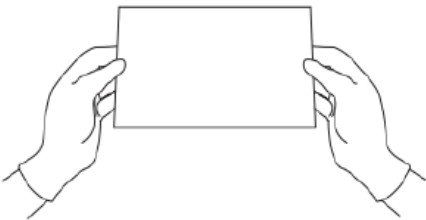
Division within the cabinet

Up and down arrows



- Do not touch the LED modules with bare hands while performing the tasks. This is to prevent damage due to static electricity and contamination with skin oil.
- If you start the tasks immediately after turning off the power, the LED modules may interfere with each other and be difficult to remove. If this is the case, start the tasks after leaving the power turned off for a while.

2. Hold both sides of the LED module you want to attach.



3. Align the bottom edge of the LED module with the bottom edge of the position to which it is to be attached.

- LED modules have a specified vertical orientation. The arrow on the rear of the LED module indicates the top.

4. With the bottom edges aligned, attach the LED module to the cabinet.

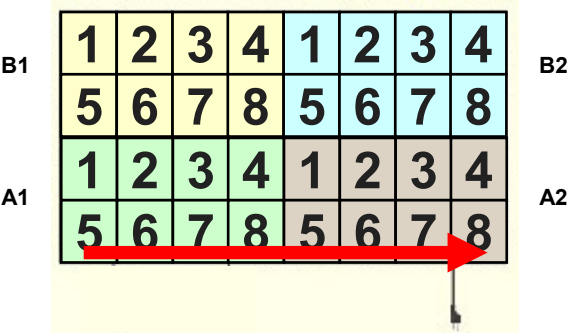
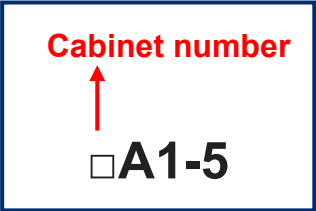
- Do not apply strong force when attaching. This may cause the LED module to malfunction.
- There are cases where the picture may be poor due to poor contacts at the connections when installation is complete. If this happens, uninstall the LED module and then reinstall it.

4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

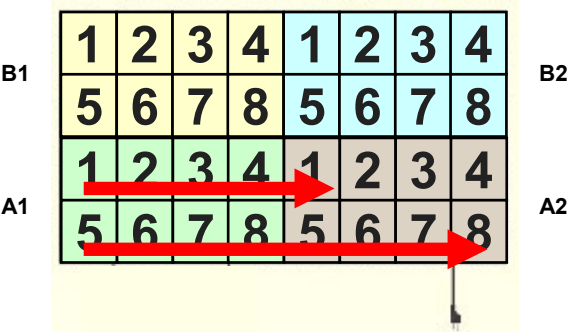
Installing the LED module

For a single 55 inch

5. Install LED modules in the following order: from the left end of the bottom row (A1-5) to the right, and after the bottom row finishes, install the next row.
- A1-5 ⇒ A1-6 ⇒ A1-7 ⇒ A1-8 ⇒ A2-5 ⇒ A2-6 ⇒ A2-7 ⇒ A2-8
⇒ A1-1 ⇒ A1-2 ⇒ A1-3 ⇒ A1-4 ⇒ A2-1 ⇒ A2-2 ⇒ A2-3 ⇒ A2-4
⇒ B1-5 ⇒ B1-6 ⇒ B1-7 ⇒ B1-8 ⇒ B2-5 ⇒ B2-6 ⇒ B2-7 ⇒ B2-8
⇒ B1-1 ⇒ B1-2 ⇒ B1-3 ⇒ B1-4 ⇒ B2-1 ⇒ B2-2 ⇒ B2-3 ⇒ B2-4



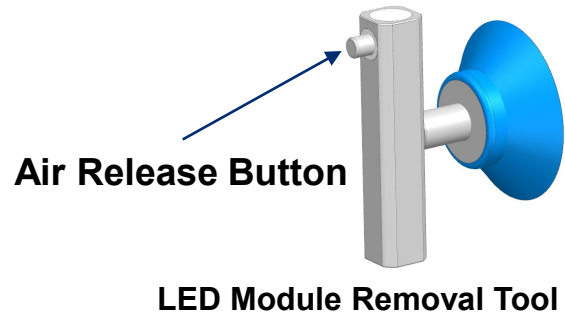
*Cabinet number is omitted



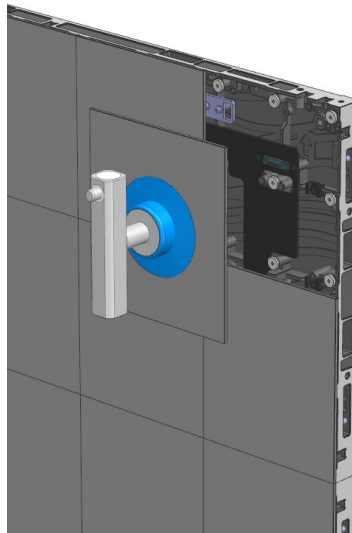
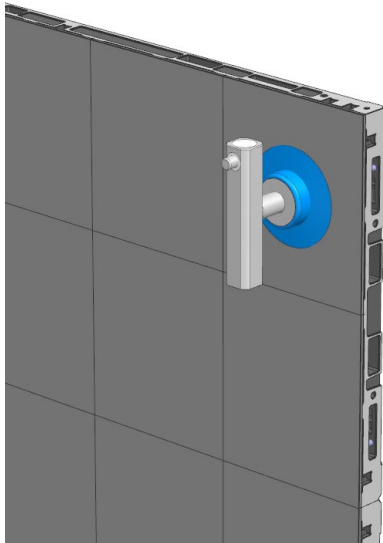
4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

LED Module Removal

- Use the LED module maintenance tool to remove the LED module.



1. Push the suction cup of the LED module removal tool to the center of the LED module you want to remove to engage it.
 - Press the air release button on the tool to release the engagement. Do not press when holding the LED module.
2. Remove the LED module by lifting the LED module perpendicular to the cabinet.
 - When removing the LED module, be sure to remove it perpendicular to the cabinet so that it does not come into contact with adjacent LED modules.
3. Doing so can cause damage or malfunction, such as peeling of the film on the LED module surface.
4. Press the air release button on the tool to remove the LED module from the tool.
 - To prevent the LED module from falling, support the LED module with your hand while pressing the air release button on the tool.



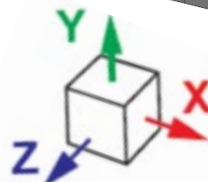
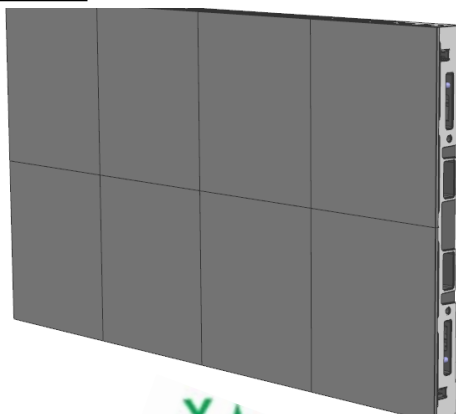
4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

LED Module Step Adjustment (Z Direction)

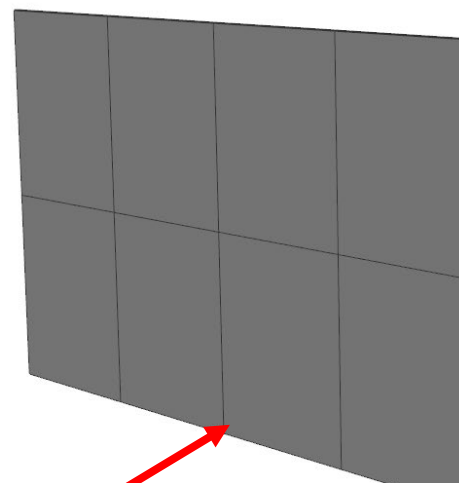
Caution

If you are concerned about the level difference, adjust the level difference (Z direction) of the LED modules as necessary. You can adjust the level difference of the LED modules by using the cabinet height adjustment screws.

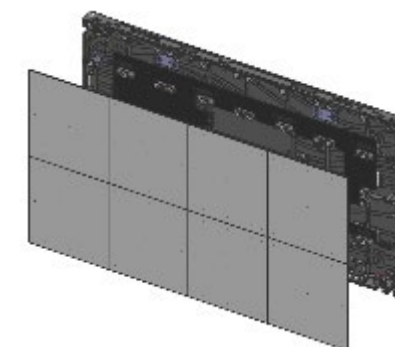
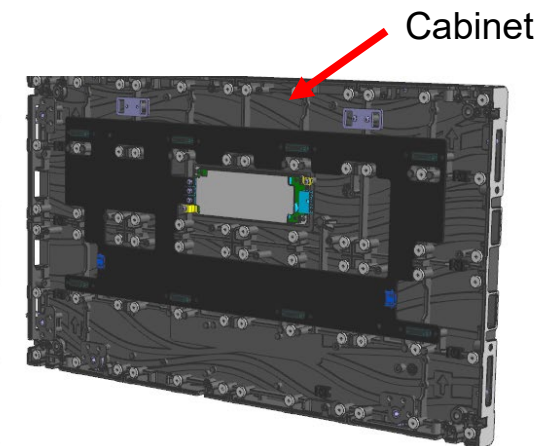
Cabinet XYZ Direction



Eight LED modules can be mounted in one cabinet using magnets. They are mounted in the Z direction.

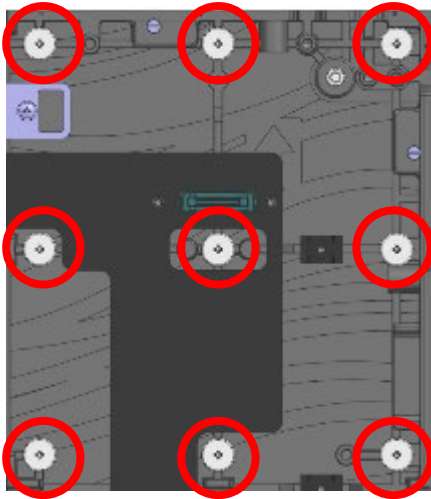


LED Module

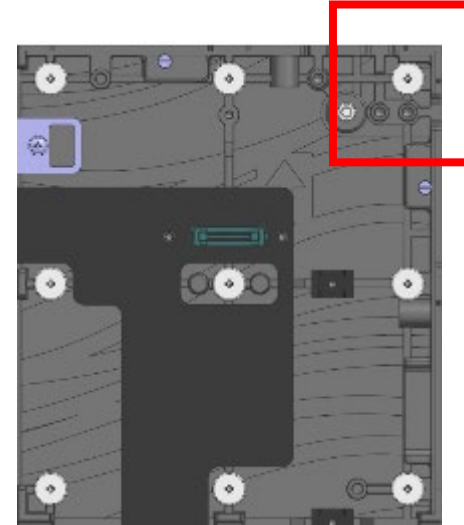


4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

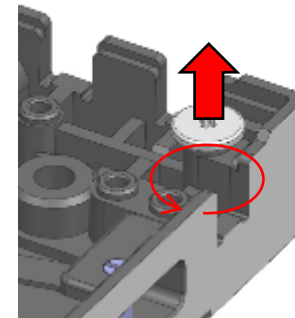
Adjusting the Level of the LED Module (Z Direction)



Each LED module has nine magnets.
The metal screws on the cabinet side are magnetically attached to the LED module.



By turning these metal screws on the cabinet side,
you can adjust the height of the LED module.



You can align the LED module by
turning the screw
counterclockwise to raise the
screw position.

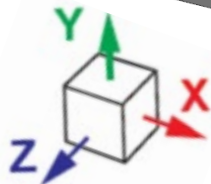
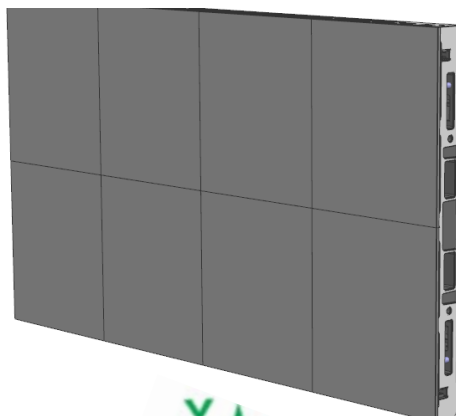
4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Adjusting the steps of the LED module (XY direction)

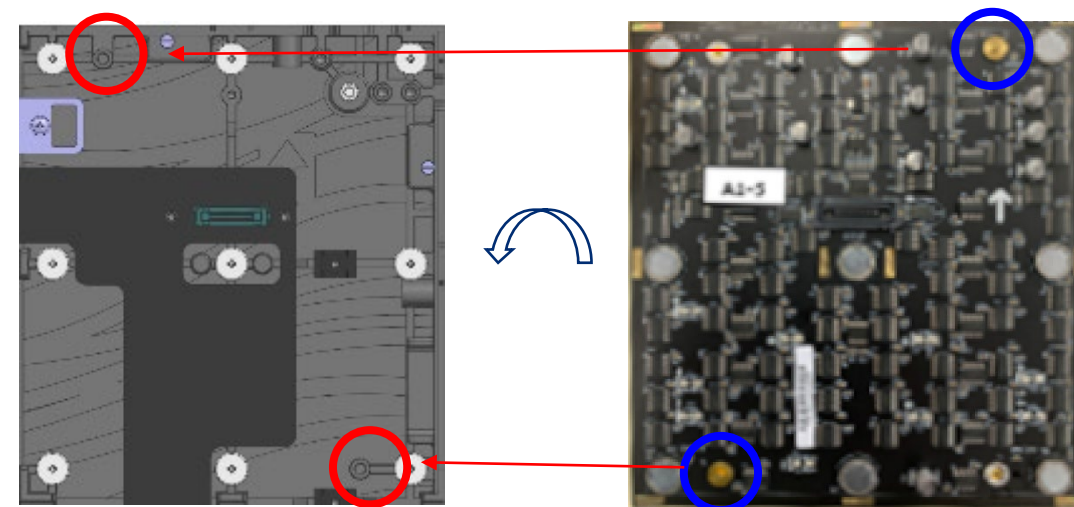
Caution

The XY position of each LED module is restricted by the cabinet and the positioning pins of the LED module, and cannot be adjusted. If you are concerned about the gap, make a fine adjustment (in the XY direction) according to the positioning backlash of the LED module. Perform fine adjustment (XY direction).

About the XYZ direction of the cabinet



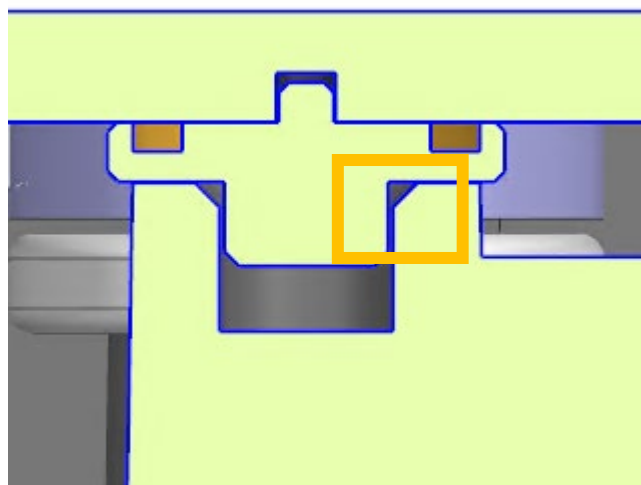
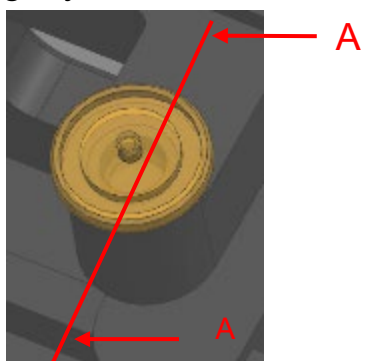
The positioning pins of the LED module, shown in two blue circles below, fit into the boss holes of the cabinet, shown in two red circles below, to restrict the position in the XY direction.



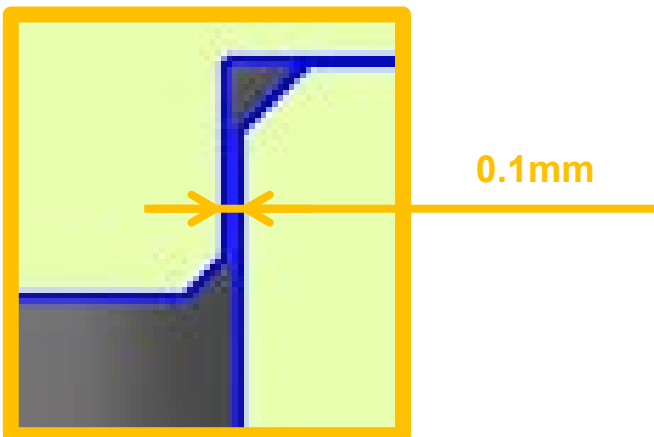
4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Step adjustment of LED module (XY direction)

The figure below shows the cross section of the positioning pin. By design, the LED module has a 0.1 mm play in the XY direction relative to the cabinet. In reality, due to the dimensional variation of each component, the play may increase or decrease, and may be moved slightly.



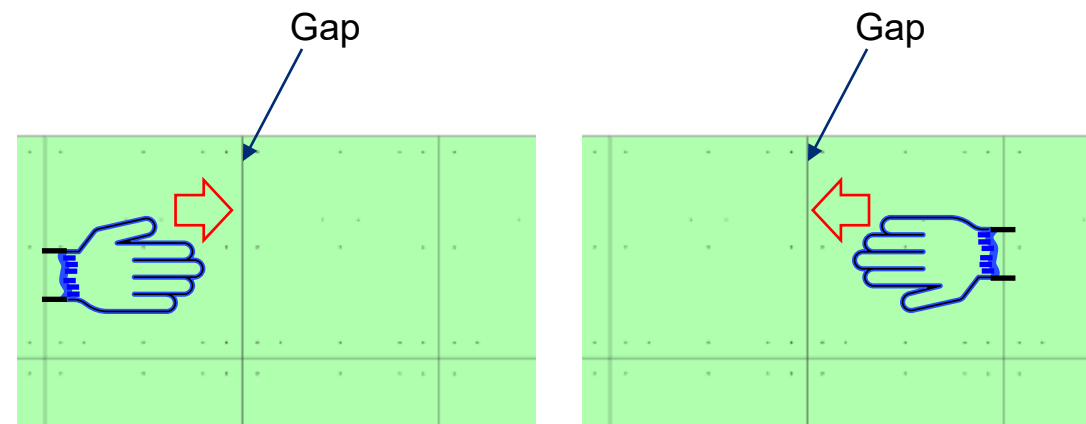
A-A section



Press the entire palm of your hand against the LED module where the gap is concerned.

Apply force in the direction of the arrow to slightly slide.

- Be sure to perform the work with anti-static gloves on.
- The standard is approximately 2 kg f with the entire palm in contact.



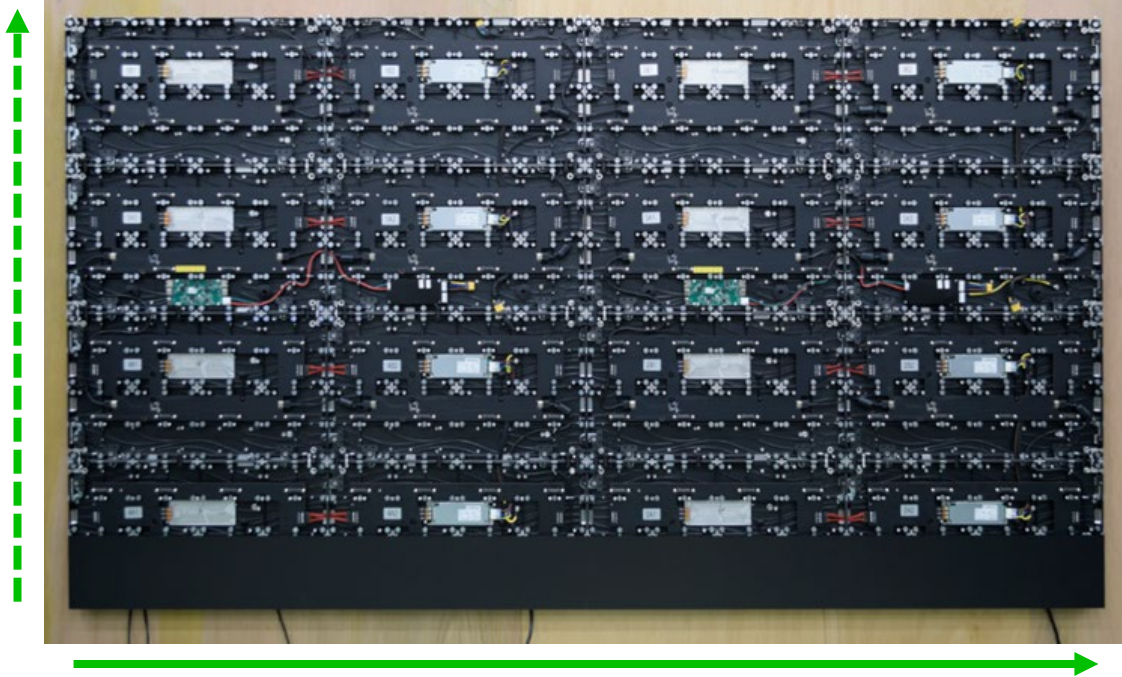
Caution

- Do not apply force locally such as on fingertips.
- Use antistatic gloves with polyurethane resin coating on the palm surface. Use antislip gloves.
- We recommend antistatic gloves with a surface resistance of $10^6 \sim 10^{11} \Omega$.

4. Installation Using Optional Wall Mount Bracket (TY-WMT1)

Installing LED Modules

For a 55 inch 4-sided (110 inch) model



Install the LED modules in order, starting from the bottom left and moving to the right.



Install the LED modules in the upper row in the same way.
Install all LED modules.

5. Replacement installation using the existing optional VESA Bracket (TY-VK55LV2)

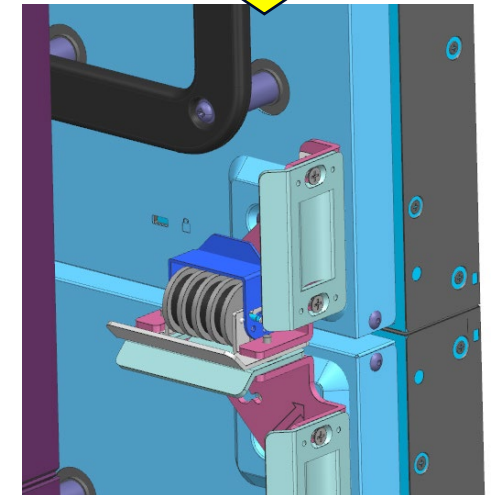
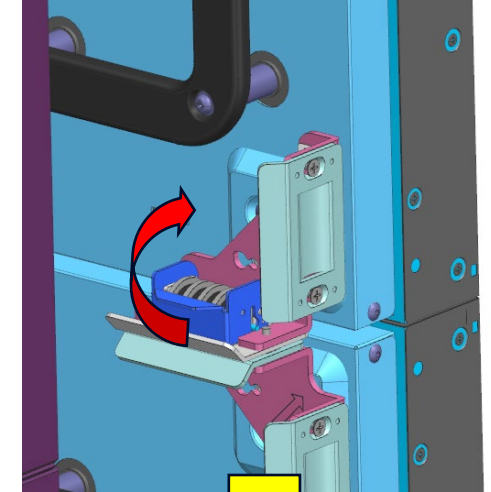
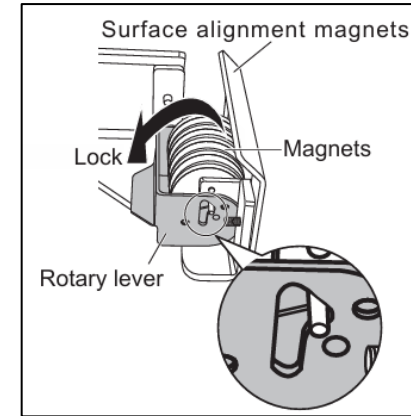
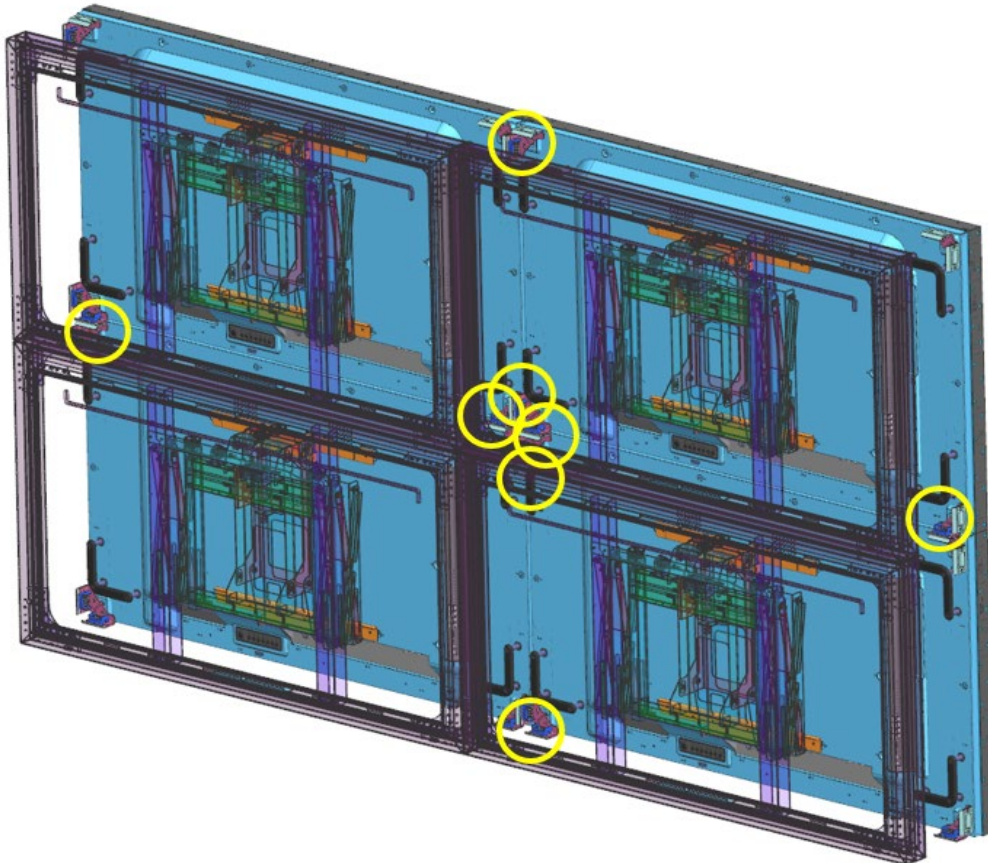
Removing the LCD multi-screen

Locking the magnets.

If rear access is available, lock all brackets.

(Flip the lock lever inward)

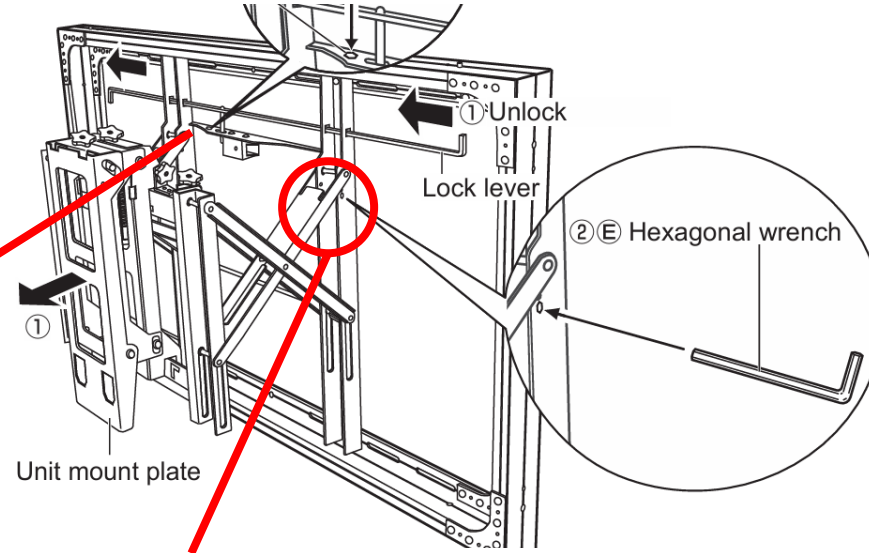
***The display can be pulled out without locking.**



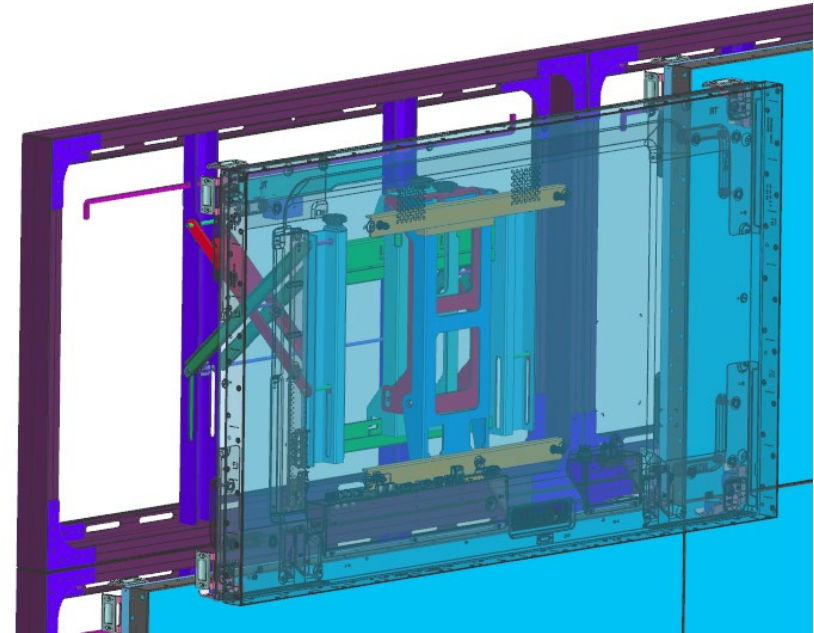
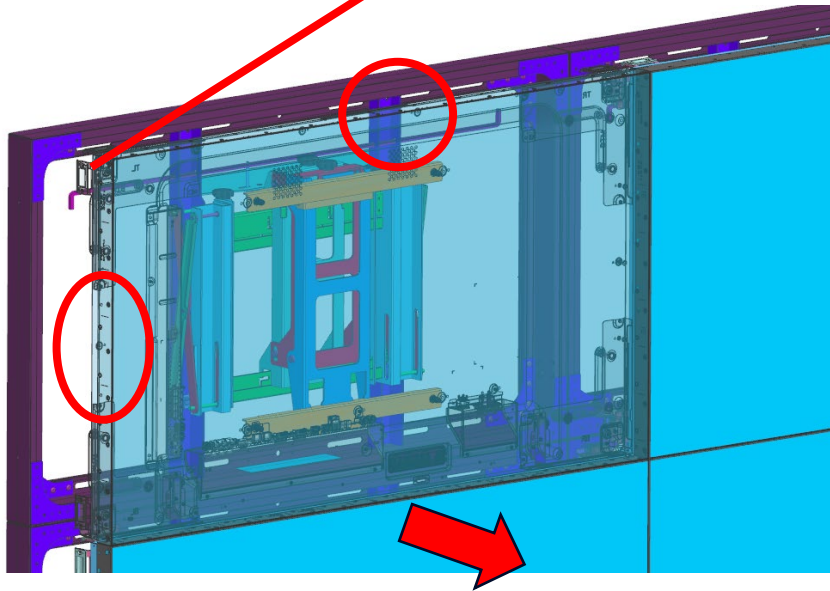
5. Replacement installation using the existing optional VESA Bracket (TY-VK55LV2)

Removing the LCD multi-screen

- ① **Unlock the drawer.**
Pull the lock lever if you are working from the left side.
Push the lock lever if you are working from the right side.
- ② **Pull the display toward you.**
(Avoid the corners of the main body and grasp the center.)



- ③ **As shown above, insert a hex wrench into the hole and lock the drawer.**
(Only one side is required.)

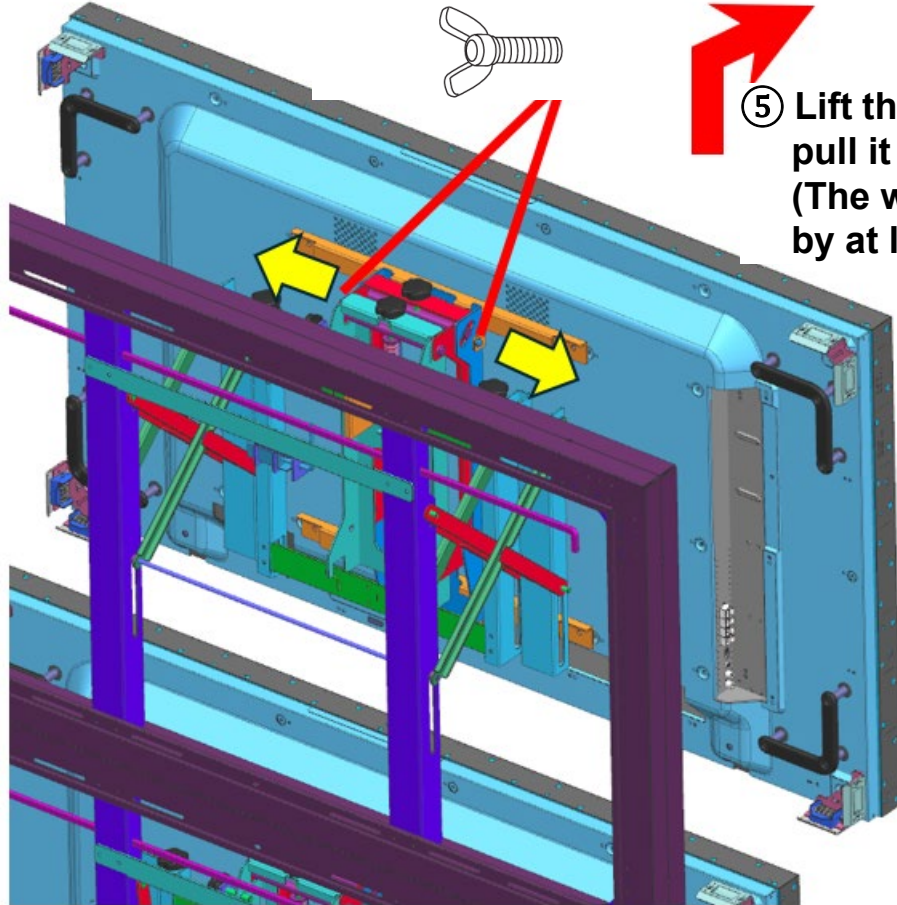


5. Replacement installation using the existing optional VESA Bracket (TY-VK55LV2)

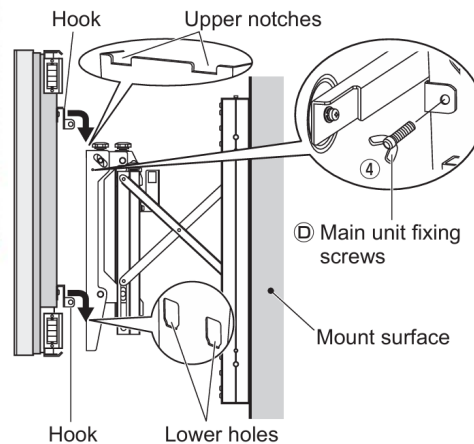
Removing the LCD multi-screen

- ④ Remove the Main unit fixing screws (two per unit).

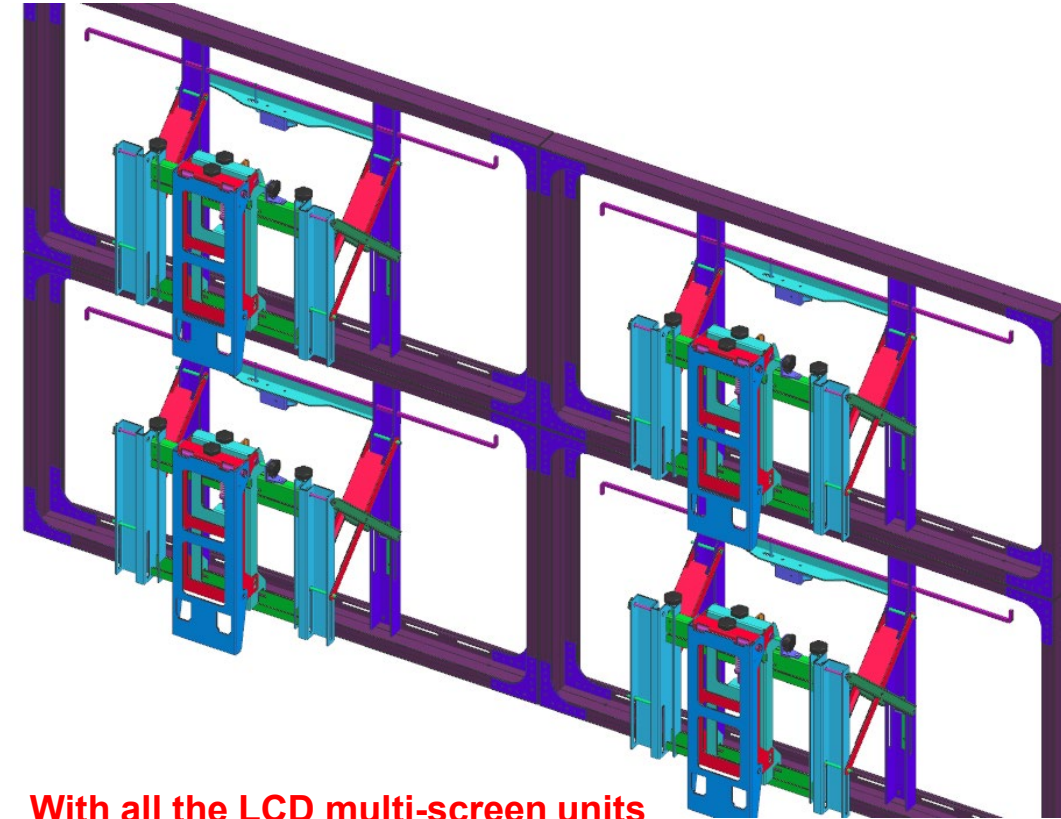
④ Main unit fixing screws (2)



- ⑤ Lift the Main unit upwards and pull it forward to remove it.
(The work must be performed by at least two people.)



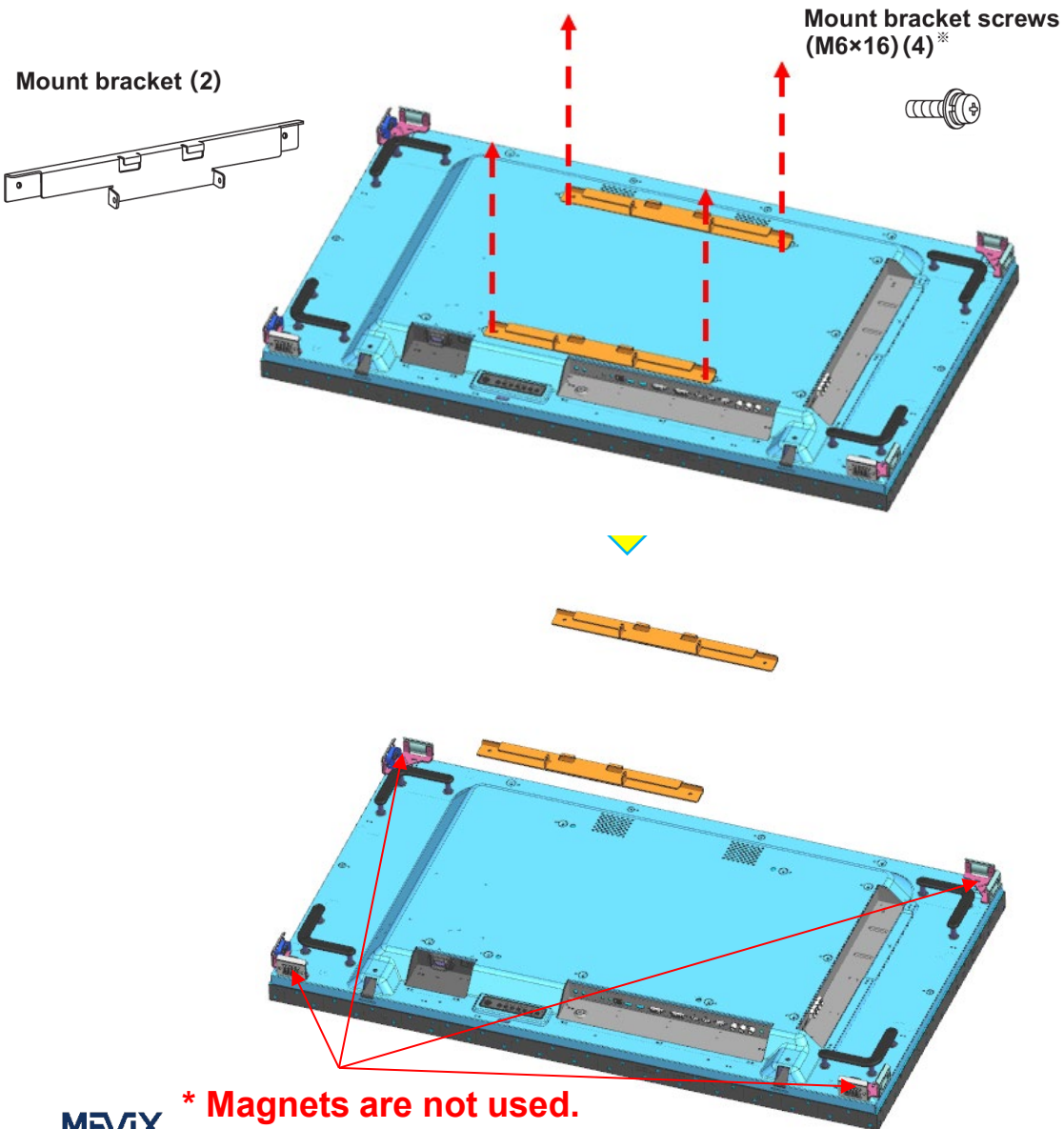
With all LCD multi-screens removed



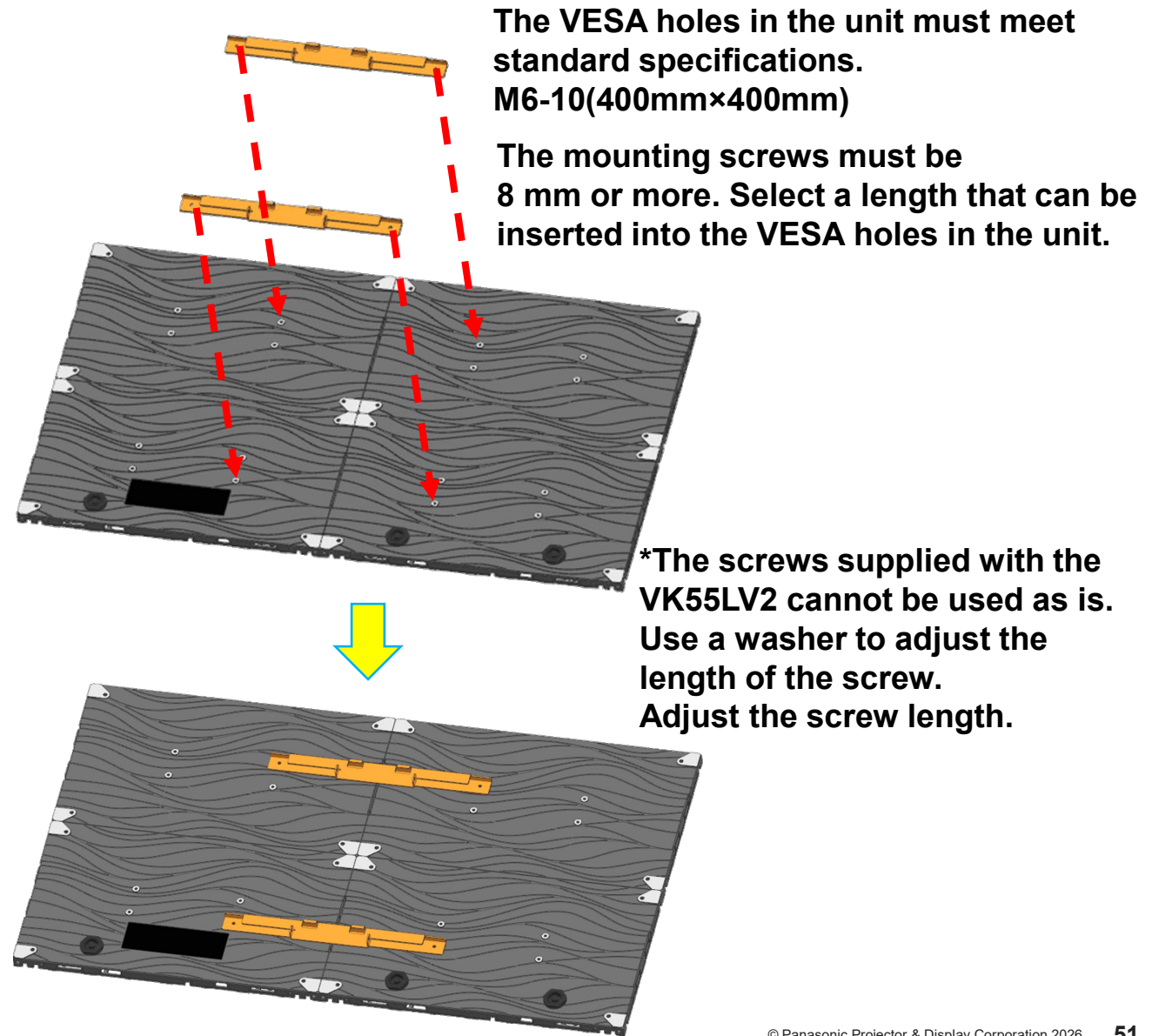
With all the LCD multi-screen units removed, please verify that there are no issues regarding the safety of the mounting hardware (such as corrosion, rust, or deformation).

5. Replacement installation using the existing optional VESA Bracket (TY-VK55LV2)

Removing the bracket from the LCD multi-screen



Attaching the bracket to the LED multi-screen

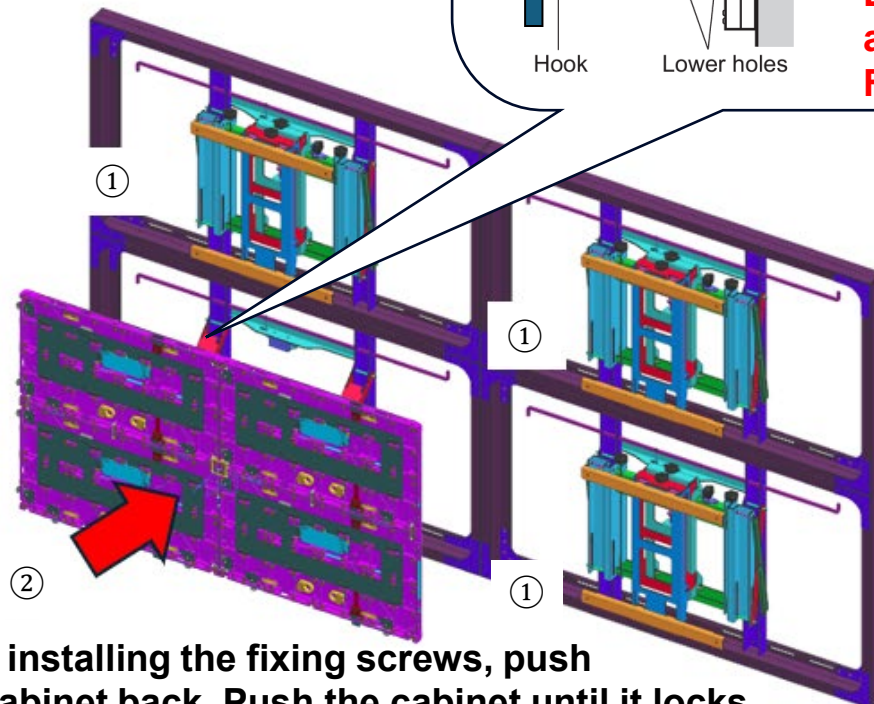


5. Replacement installation using the existing optional VESA bracket (TY-VK55LV2)

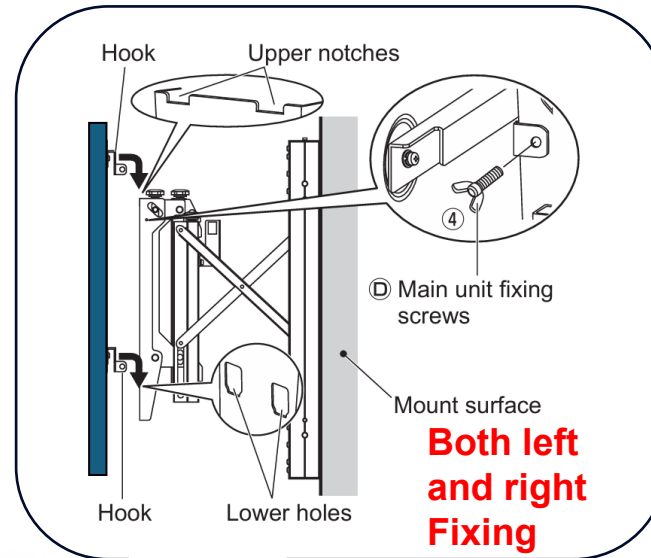
Attaching the LED multi-screen

For 55 inch 4 sides (110 inch)

- ① Push the metal bracket inside once and lock it.
- ② Refer to the illustration at right for 55" LED cabinet. Attach the cabinet with the brackets extended.

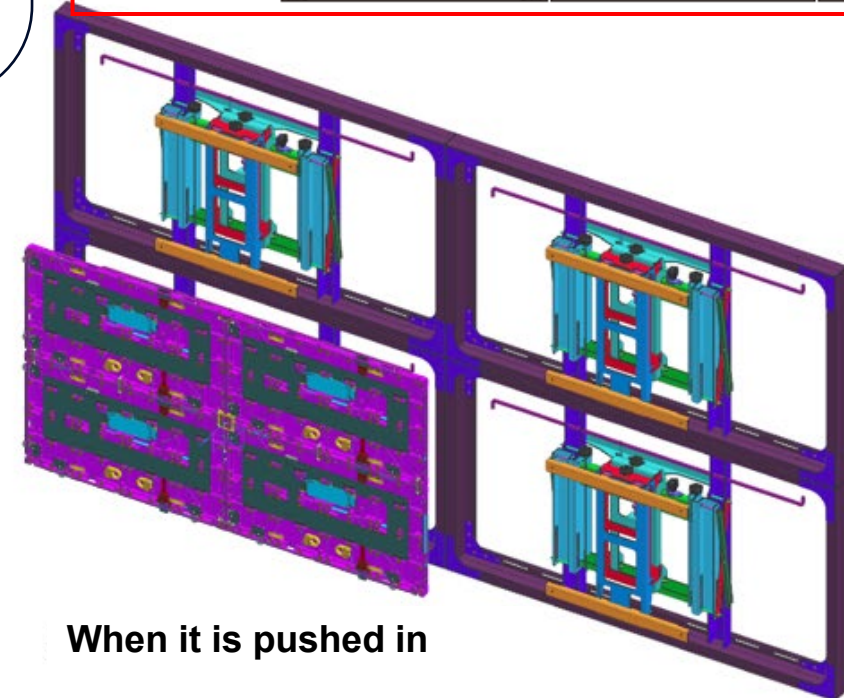
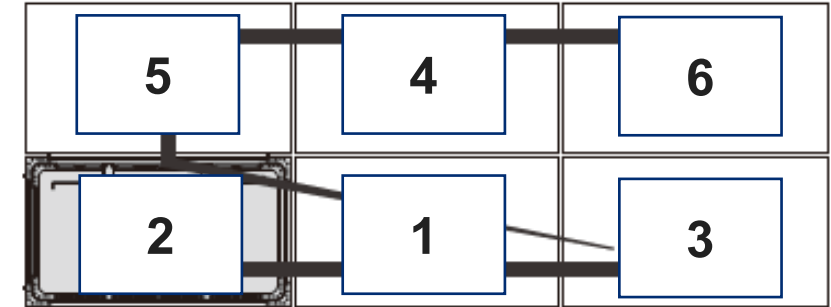


After installing the fixing screws, push the cabinet back. Push the cabinet until it locks.



■ Installation order when installing multiple units (for 6 sides)

- Attaching the reference position (center of the bottom row of the multi-display)
- Attaching the first row horizontally to the bottom row
- Attaching the next row horizontally in sequence



5. Replacement installation using the existing optional VESA bracket (TY-VK55LV2)

Installing the LED multi-screen

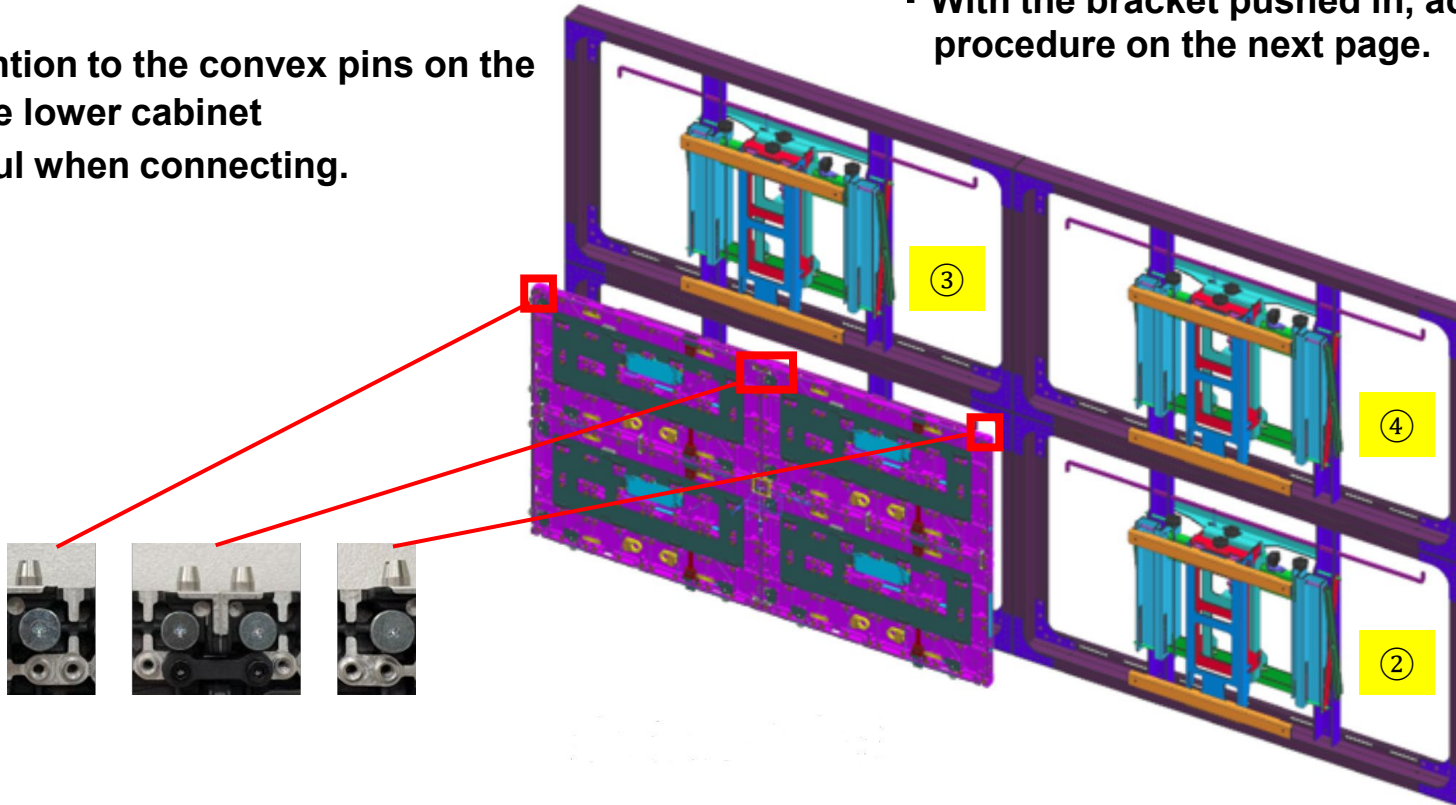
55 inch 4 sides (110 inch)

When connecting the upper and lower cabinets

Pay attention to the convex pins on the top of the lower cabinet

Be careful when connecting.

- Install and push the LED cabinets in the order of (2), (3), and (4).
- With the bracket pushed in, adjust the position of the bracket referring to the procedure on the next page.



5. Replacement installation using the existing optional VESA bracket (TY-VK55LV2)

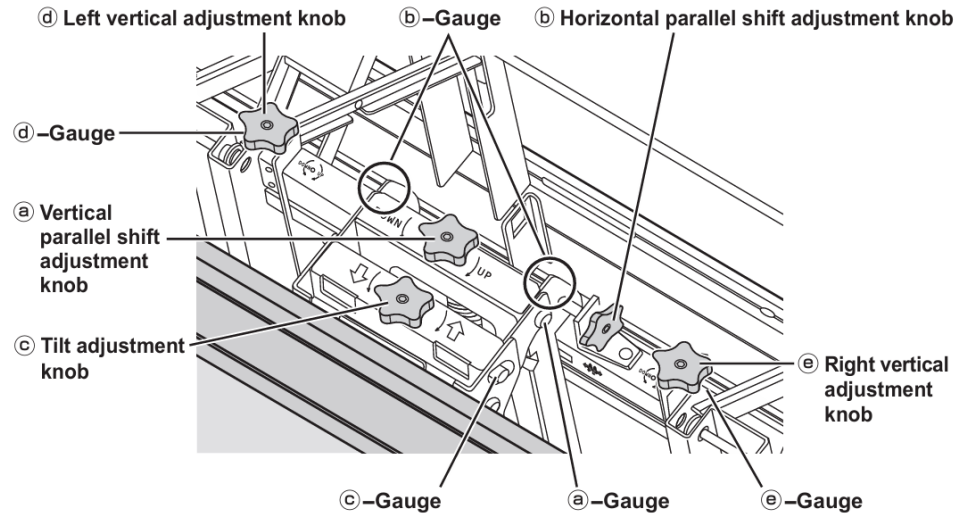
Adjustable features of the installation hardware are all located at the top.

■ Operating the adjustment knobs

With the unit pushed in, turn the adjustment knobs to adjust the unit's position. Perform this alignment in the order shown below.

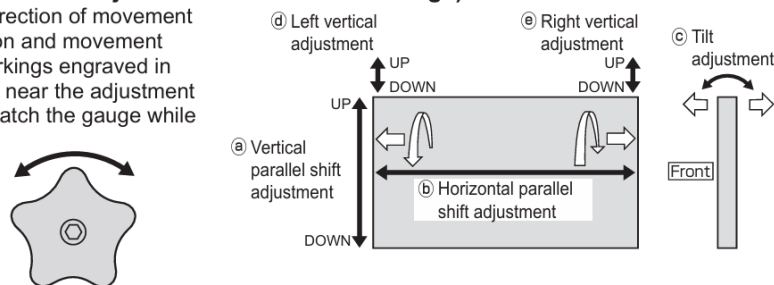
- (1) Vertical parallel shift adjustment knob ①
- (2) Horizontal parallel shift adjustment knob ②
- (3) Tilt adjustment knob ③
- (4) Left vertical adjustment knob ④ / Right vertical adjustment knob ⑤ (for adjusting the angle)

• The adjustment knobs can be turned even with the hexagonal wrench in place.

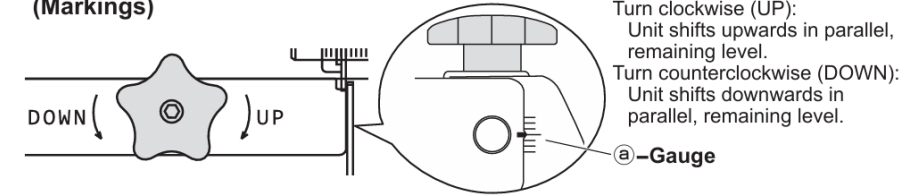


(Movement of the adjustment knobs and markings)

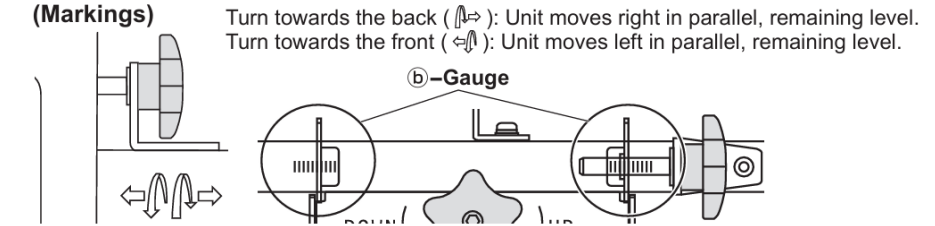
Check the direction of movement by the rotation and movement direction markings engraved in metal fittings near the adjustment knobs and watch the gauge while adjusting.



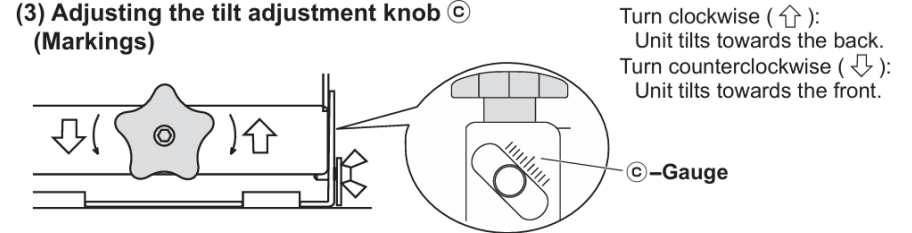
(1) Adjusting the vertical parallel shift adjustment knob ① (Markings)



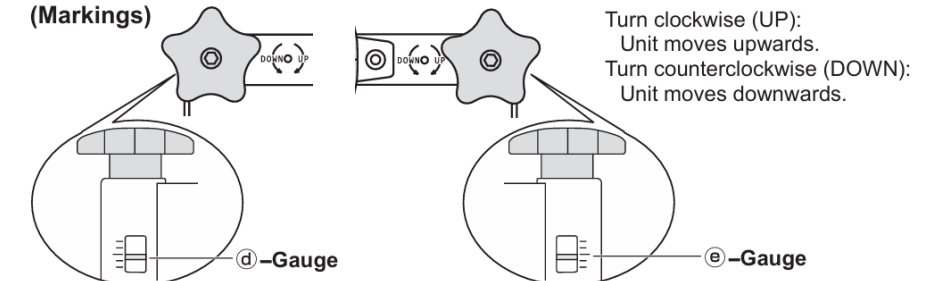
(2) Adjusting the horizontal parallel shift adjustment knob ② (Markings)



(3) Adjusting the tilt adjustment knob ③ (Markings)



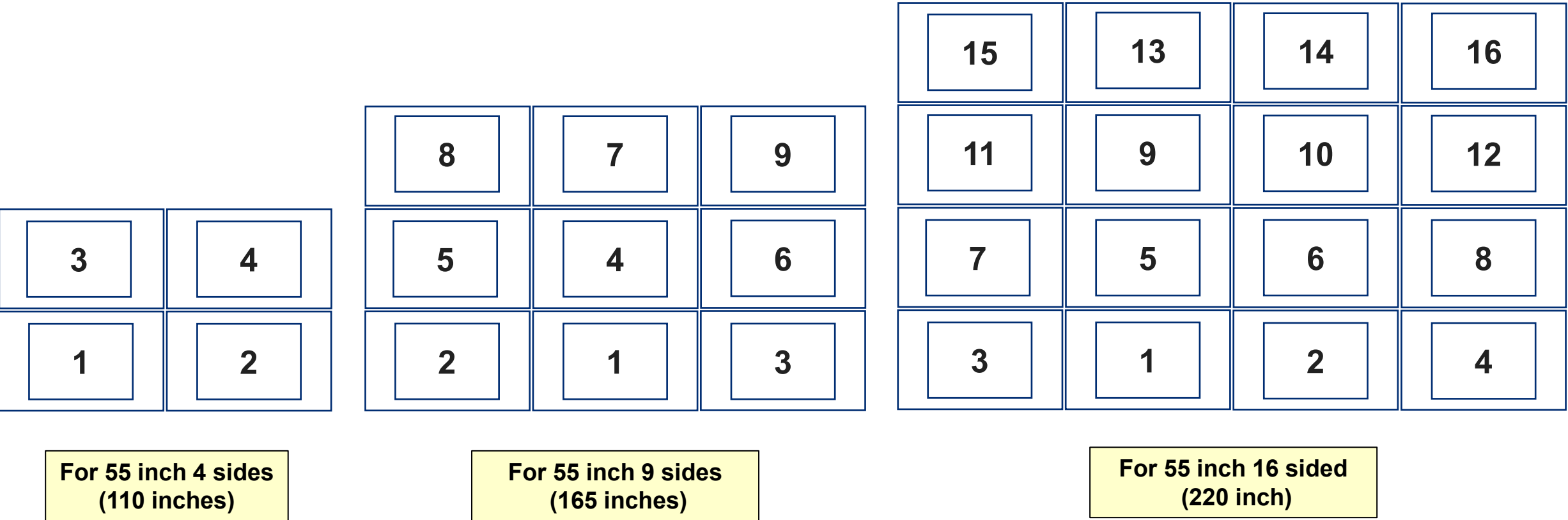
(4) Adjusting the left vertical adjustment knob ④ and right vertical adjustment knob ⑤ (Markings)



5. Replacement installation using the existing optional VESA bracket (TY-VK55LV2)

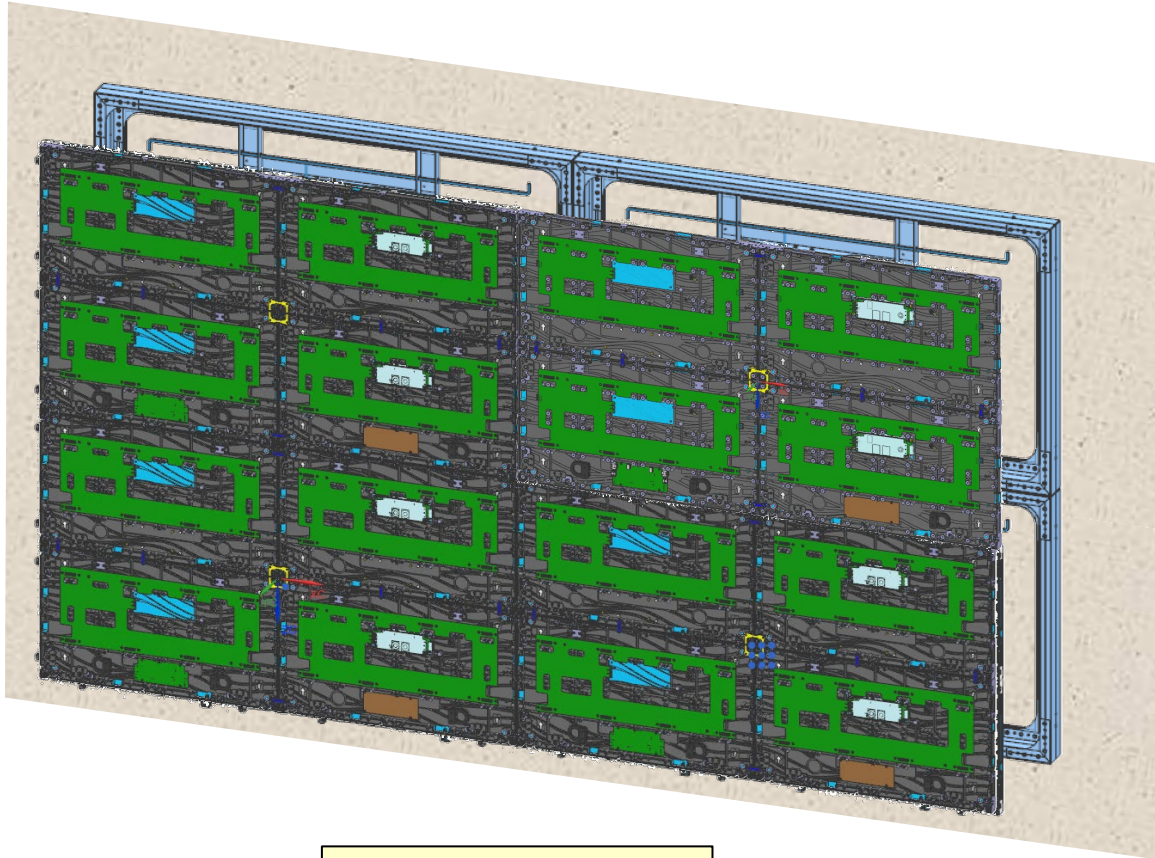
LED multi-screen installation

55 inch cabinet installation order
(example)



5. Replacement installation using the existing optional VESA bracket (TY-VK55LV2)

LED Cabinet Attached



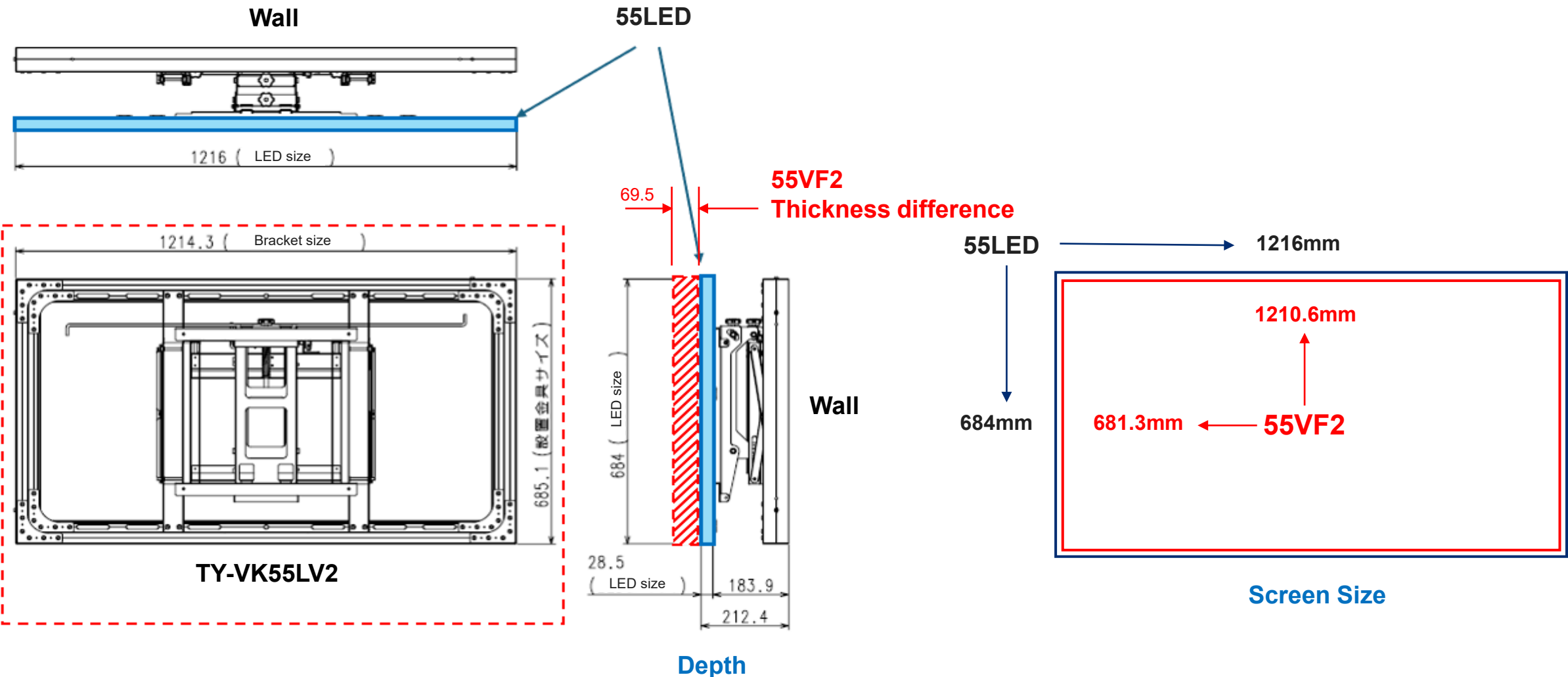
For 55 inch 4 sides
(110 inch)

For Steps 1–5, refer to the TY-WMT1 installation procedure.

1. Connecting the Cabinets
2. Securing the Connected Cabinets (2)
3. Cabling
4. Installing LED Modules
5. Adjusting the Level of the LED Module

5. Replacement installation using the existing optional VESA bracket (TY-VK55LV2)

Dimension difference from LCD (Reference)



6. Third-Party Mounting Hardware

When using third-party mounting hardware, observe the following precautions.

When using third-party mounting hardware, please pay attention to the following.

- ① The mounting hardware must have sufficient weight resistance when the LED wall is attached to the mounting hardware.
- ② The mounting hardware must be adjustable up and down, left and right, front and back.
- ③ The LED wall panel must have a structure that prevents the panel from twisting when it is pulled out and fixed.
- ④ Install the mounting hardware according to the manual for the third-party mounting hardware.

Caution

- Damage to the product or mounting hardware, or accidents resulting from the use of third-party mounting hardware, are not covered by the warranty.

7. LED Manager LV Application Settings

Configure display settings using LED Manager LV.



LED Manager LV

FunctionMore

New Project

Open Project

Exit

Recently Opened

Project settings



Project.lctprjx [offline]

ConnectionConfigCabinet9台箱体文件:Calibration

SearchTimeout(s) 56620 ConfigDownload

DeviceIPScreen Port IDMC

1-81-71-91-101-51-61-121-111-41-31-131-141-11-21-161-15

Attribute

Type创思特55寸9台箱体文件2026.1.15

Module ChipICND1069

Row DecodingICN2019

Scans45

Port1

Connection13

Cabinet InformationView Details

Position

Coordinate X 960Y 540

Fast Routing

Standard Screen

Vertically1Horizontally1

Apply

Connection settings
(Reference)

Contents

Preparation

7-1. Creating a Project File

7-2. IP address Setting

7-3. Cabinet Connection Settings

7-4. Input / Output Resolution Settings

7-5. PC (other source device) Output Resolution / Frequency Setting

 **Set as necessary for the device.**

7-6. Cabinet Connection Setting Upload

7-7. Set standby mode

7-8. Closing the application

7. LED Manager LV Application Settings

Preparation

- ① Install the software by following the on-screen instructions in the folder created by extracting the software.
During installation, download the software from the Panasonic professional display website.

For download instructions, refer to the following URL:

<https://docs.connect.panasonic.com/prodisplays/>

- ② Double-click "Setup.exe."
- ③ If you check [Create a desktop shortcut], a shortcut icon will be created on the desktop after installation is complete.
- ④ Connect the LED WALL to the PC using the included USB Type A to Type C cable.
- ⑤ Start LED Manager LV.



* For the USB cable, refer to "4. Installation using the optional wall-mount bracket: Cable routing ②" and connect the cable coming from the cable routing hole to the PC.



Type A

USB Cable

Type C

Configuration: For 110" (55" 2x2)



7. LED Manager LV Application Settings

7-1 Creating project files

- In order to display on multiple devices, project files for multiple devices must be written.

In order to create project files for multiple devices, we recommend that you create a new project file.

(You can also create them in Open Project.)

- You can select the project file to load from [Open Project].

To use the project file, download the project file published on the Panasonic business display web page.

For use, download the project file.

The 55" setting information is saved in this project file.

For download information, refer to the following URL:

<https://docs.connect.panasonic.com/prodisplays/>

After making settings, save the project file. We recommend that you use the same project file hereafter.

You can create a project file from [New Project]. Use this to change the frequency of the video signal.

7. LED Manager LV Application Settings

7-1 Creating project files

▪ LED Manager LV Startup Screen

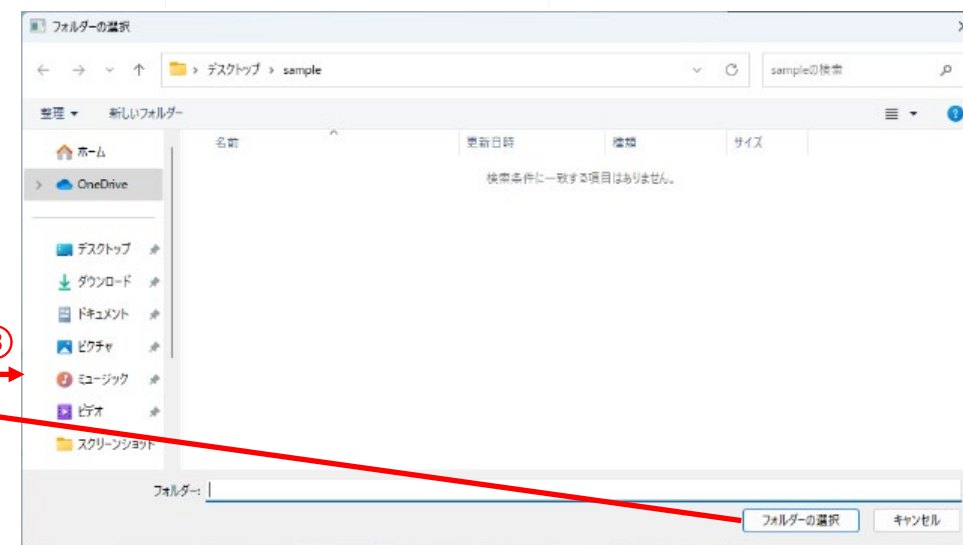
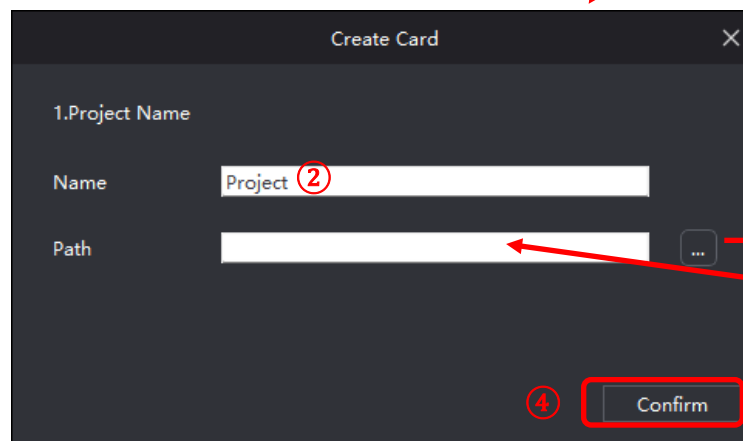
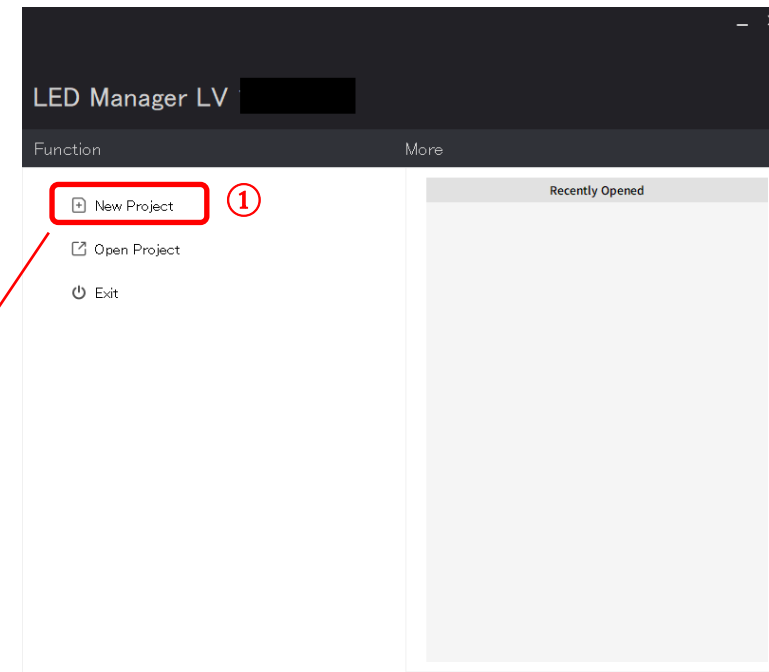
① Select [New Project].

▪ CreateCard Screen

② [Name] Enter a Project file name.

③ [Path] Select [...] and select the folder where you want to save the file.

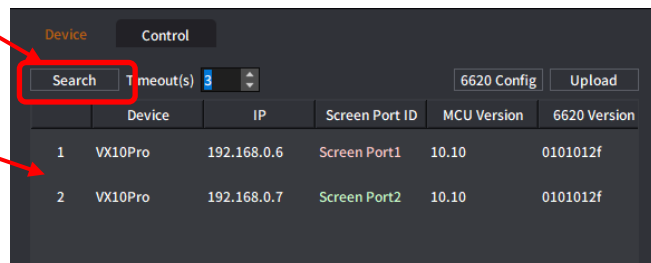
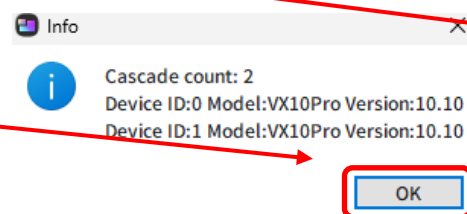
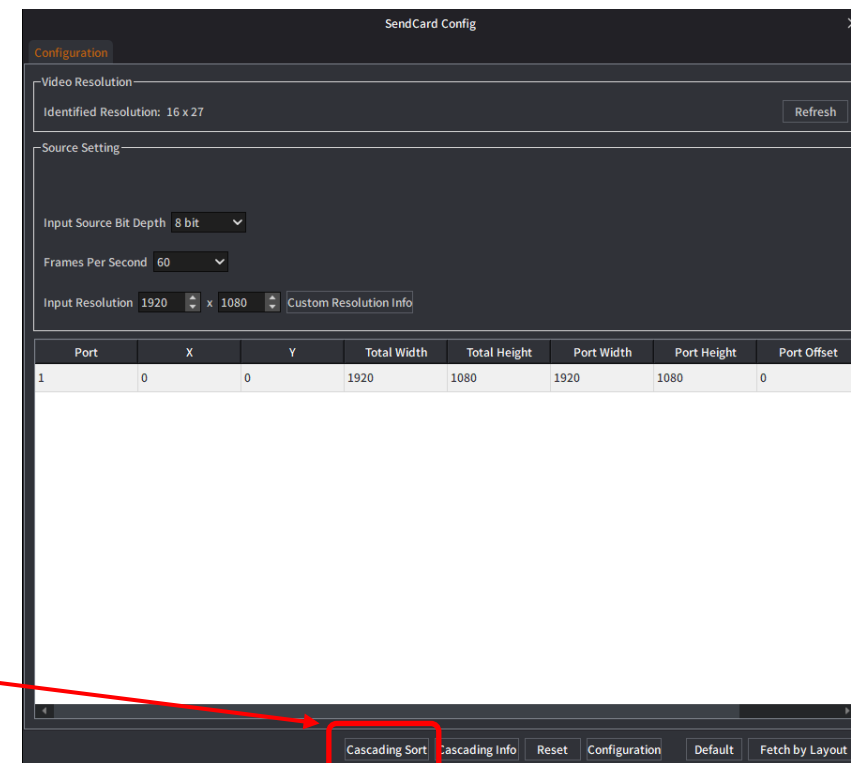
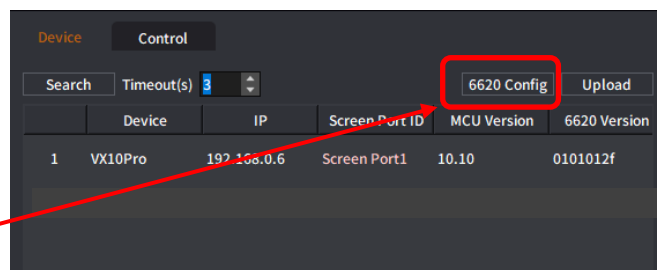
④ Click [Confirm].



7. LED Manager LV Application Settings

7-2-1 Each system board port / IP settings by Cascading Sort

- ① Verify on the actual hardware that the system board in the bottom slot is connected via a LAN cable.
- ② Confirm that all system boards are displayed under [Device].
- ③ Click [6620 Config].
- ④ Click [Cascading Sort] on the resolution settings screen.
- ⑤ Click [OK].
- ⑥ Click [Search] in the main menu.
- ⑦ Verify that the ports for all system boards are correctly configured.



7. LED Manager LV Application Settings

7-2-2 IP Address Manual Settings

IP address settings are required when multiple system boards are cascade-connected via LAN.

When the IP address of the first system board is specified, the IP addresses of the subsequent system boards are assigned sequentially.

This setting is also required if the connection order is changed.

The following method is available for setting the IP address. Use either cascade sort method or manual setting to set the IP address.

7. LED Manager LV Application Settings

7-2-2 IP Address Manual Settings

Preparing to set the IP address

- ① With the device connected via a USB cable

Select [Network] in the main screen.

- [Network] appears only when the PC is connected to the LED WALL via a USB cable.

This message is displayed only when you are connected to the network using.

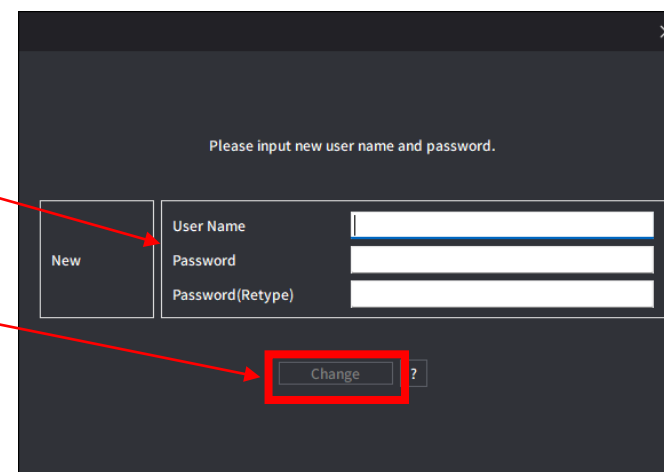
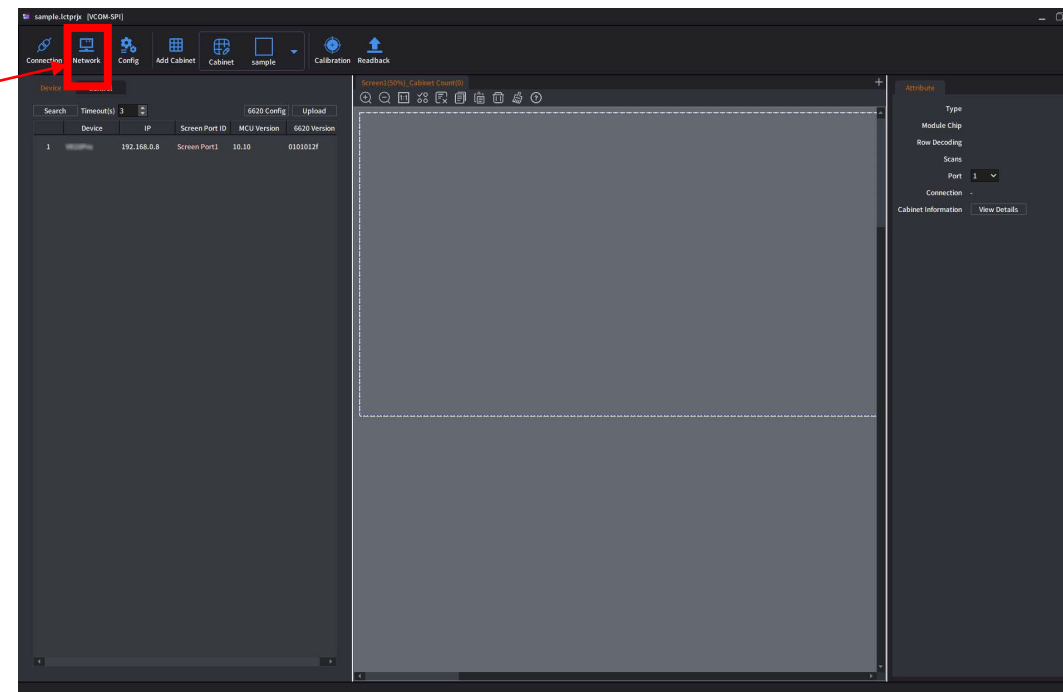
- ② Set a user name and password.

We recommend the following:

User name: dispadmin

Password: @Panasonic

- ③ Click [Change].



7. LED Manager LV Application Settings

7-2-2 IP Address Manual Settings

① In the [Network] screen

Use [IP Config] to make the following LAN settings.

[IP]: Enter the IP address.

[Subnet Mask]: Enter the subnet mask.

[Gateway]: Enter the default gateway.

② Click Config to confirm the settings.

Network

Device

Network Control: ☒ Open Config Readback

Reset

IP Config

IP 192.168.0.9

Subnet Mask 255.255.255.0

Gateway 192.168.0.1

Config Readback

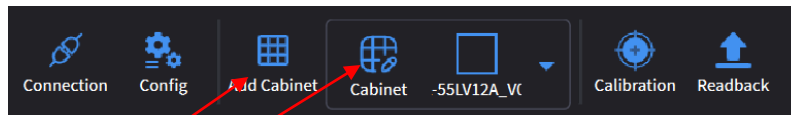
Reset

7. LED Manager LV Application Settings

7-3 Cabinet Connection Settings

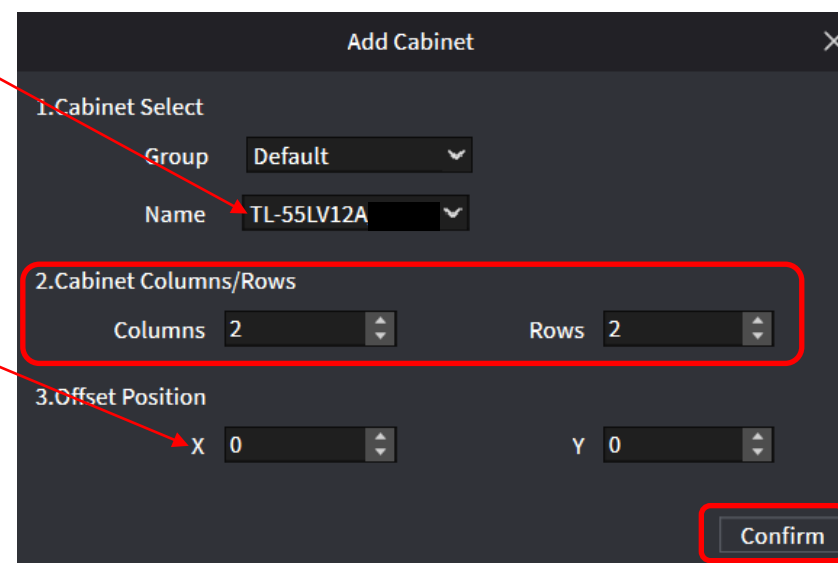
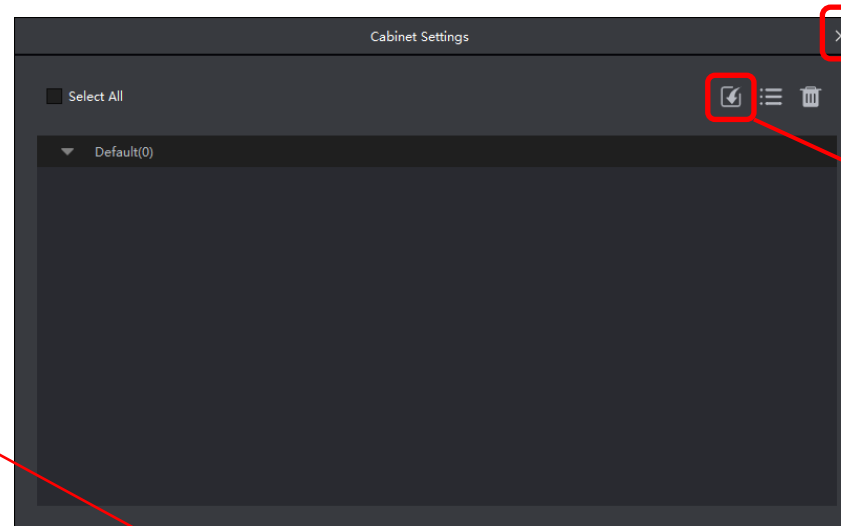
- ① Click [Cabinet].
- ② Click [📁] on the Cabinet setting screen, and select the Cabinet Data file (.fsysx).
- ③ Close the Cabinet setting, and then click [x].
- ④ [1. Cabinet Select]:
Please check if the data loaded in step ② is displayed.
*If it is not displayed, use the drop-down list to select it.
- ⑤ Set [2. Cabinet Columns/Rows].
Example 55 inches = Columns: 2 x Rows: 2
110 inches = Columns: 4 x Rows: 4
165 inches = Columns: 6 x Rows: 6
220 inches = Columns: 8 x Rows: 8
- ⑥ Set [3. Offset Position] at upper left X0, Y0.
(No offset)
- ⑦ Click [Confirm].

***Please contact your sales company or dealer when setting 275 inch, 5x5 or more.**



Download from the following URL.

<https://docs.connect.panasonic.com/prodisplays/>

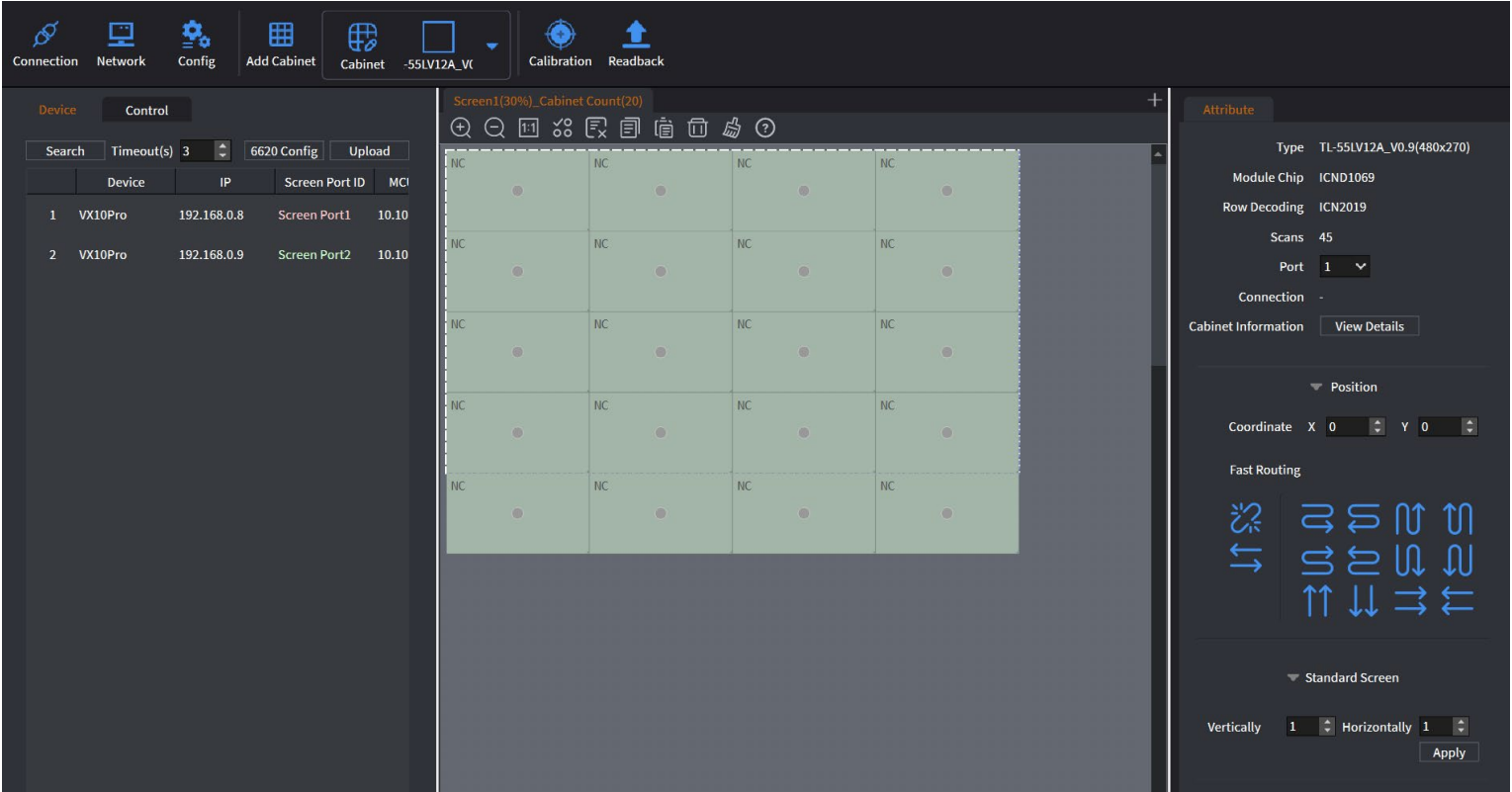


7. LED Manager LV Application Settings

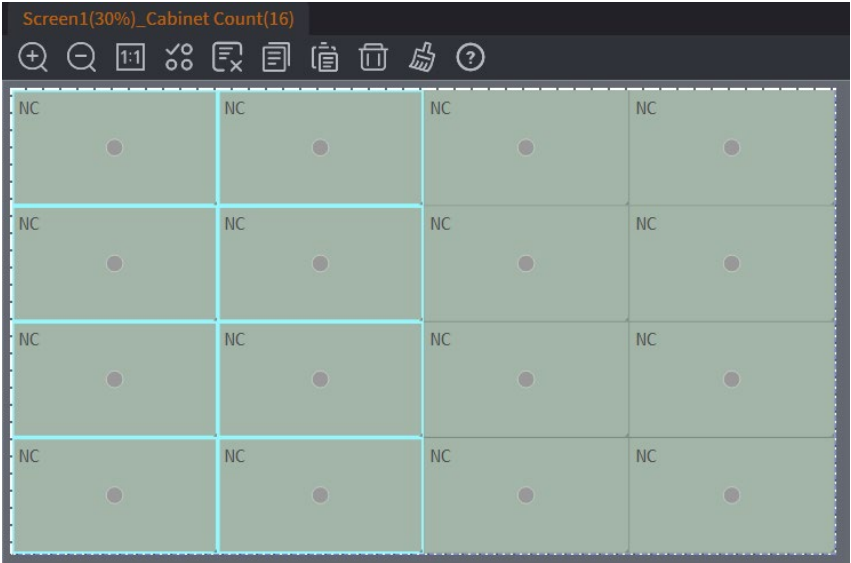
7-3 Cabinet Connection Settings

Configuration: 110 "(55" 2x2)

■[2 x 2] Columns: 4, Rows: 4



① Use drag and drop to select the left half of the cabinet.



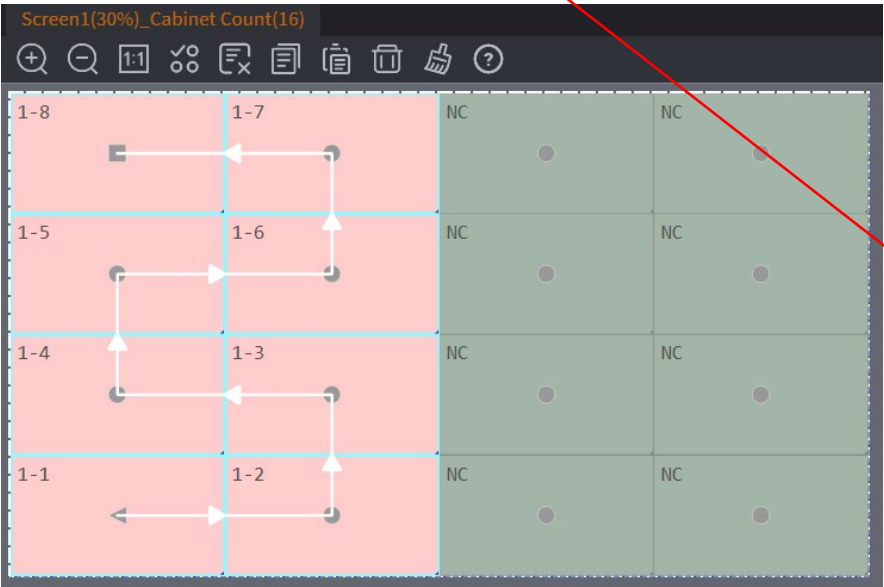
7. LED Manager LV Application Settings

7-3 Cabinet Connection Settings

Configuration: 110 "(55" 2x2)

■[2 x 2] Columns: 4, Rows: 4

② Select  from [Fast Routing] which is displayed on the right side of the tool.



Attribute

Type TL-55LV12A_V0.9(480x270)

Module Chip ICND1069

Row Decoding ICN2019

Scans 45

Port 1

Connection -

Cabinet Information View Details

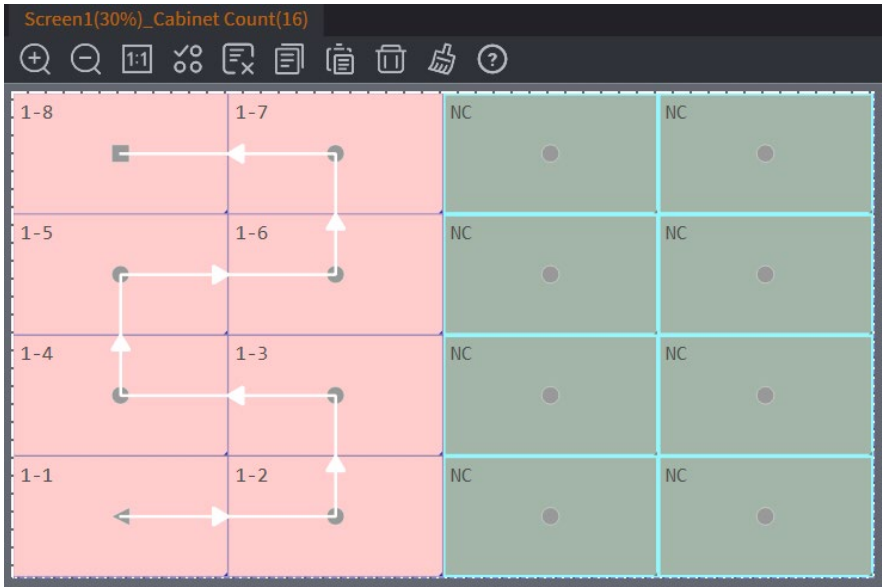
Position

Coordinate X 960 Y 0

Fast Routing

③ Drag and drop to select the right half of the cabinet.



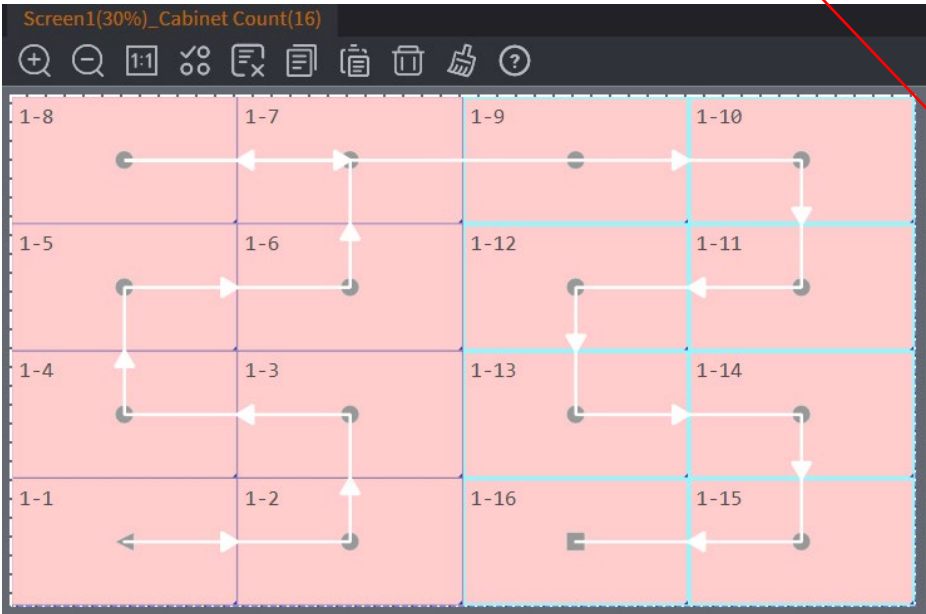
7. LED Manager LV Application Settings

7-3 Cabinet Connection Settings

Configuration: 110 "(55" 2x2)

■[2 x 2] Columns: 4, Rows: 4

④ Select  from [Fast Routing] which is displayed on the right side of the tool.



Port 1 only

Attribute

Type

TL-55LV12A_V0.9(480x270)

Module Chip

ICND1069

Row Decoding

ICN2019

Scans

45

Port

1

Connection

-

Cabinet Information

View Details

Position

Coordinate

X

960

Y

0

Fast Routing



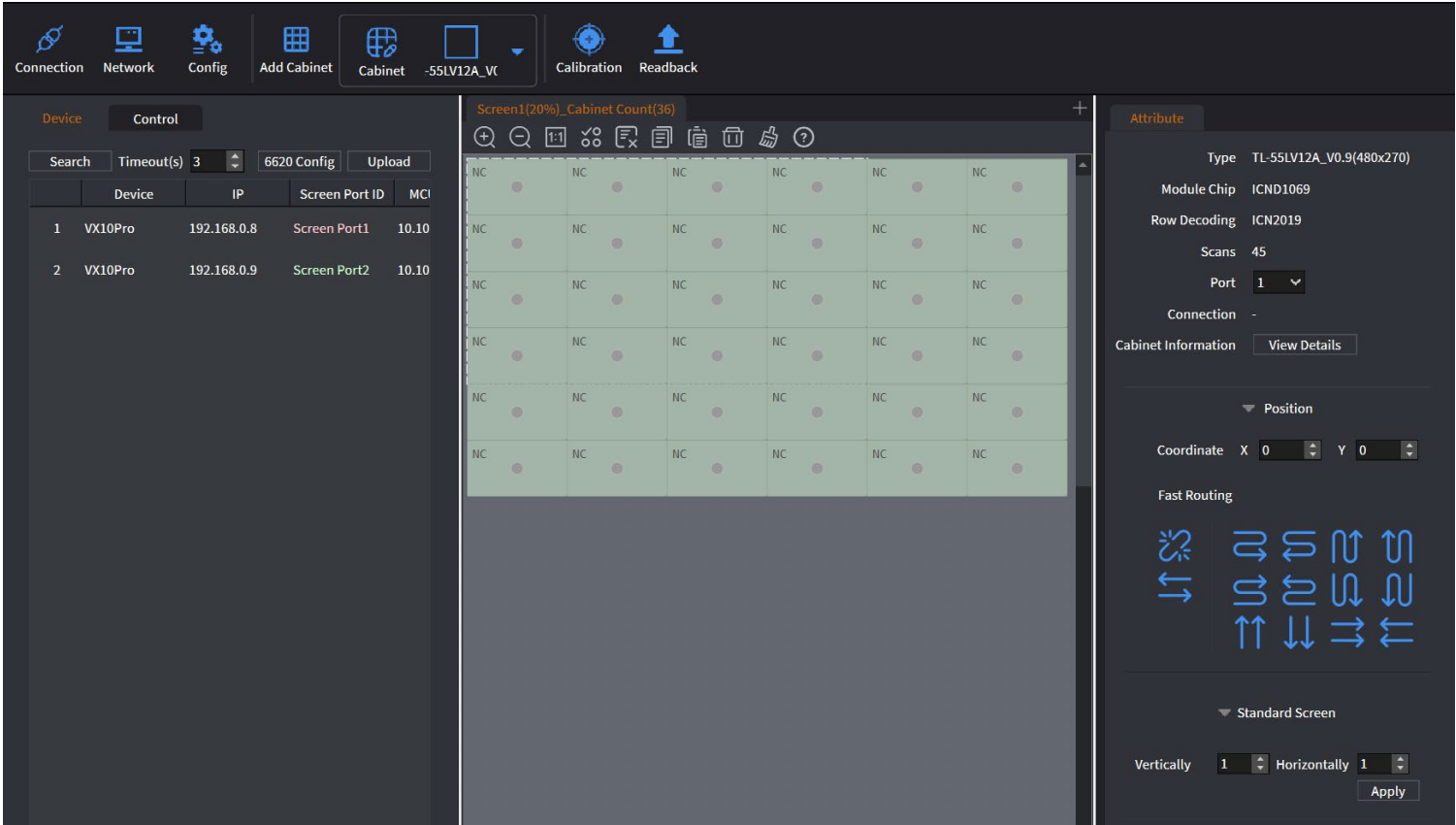
* Make sure that the HDMI connection from the system board is connected in accordance with the order of connection.

7. LED Manager LV Application Settings

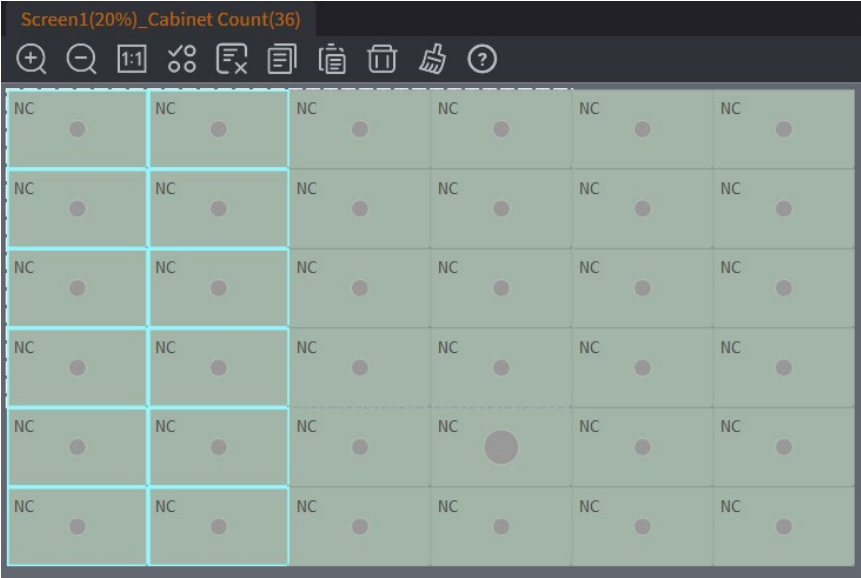
7-3 Cabinet Connection Settings

Configuration: 165 "(55" 3x3)

■[3 x 3] Columns: 6, Rows: 6



① Use drag and drop to select the desired range of cabinets. Select the desired range of cabinets.



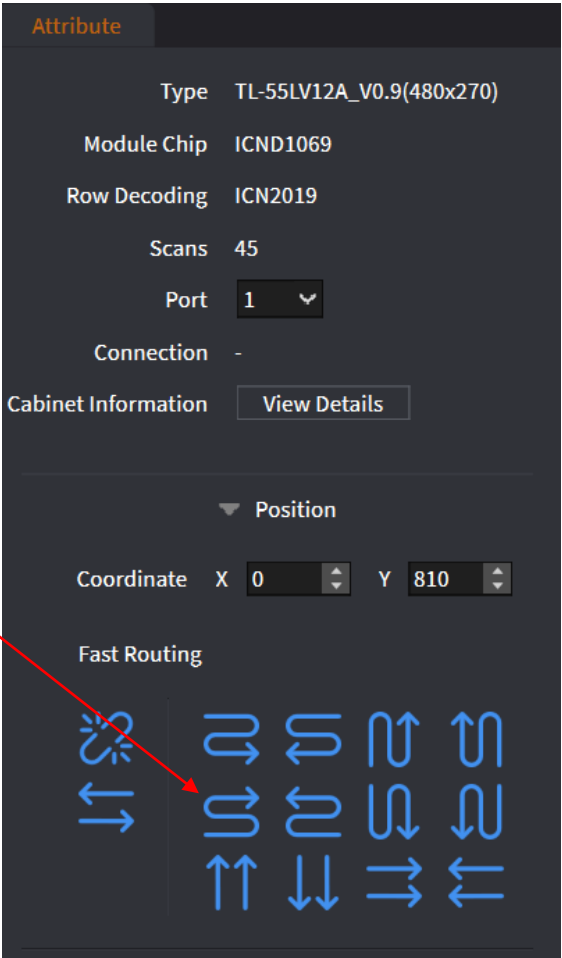
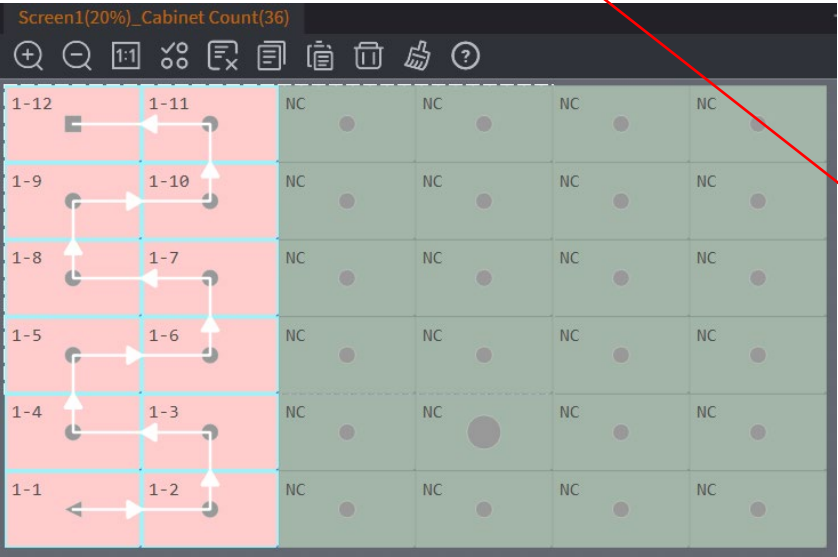
7. LED Manager LV Application Settings

7-3 Cabinet Connection Settings

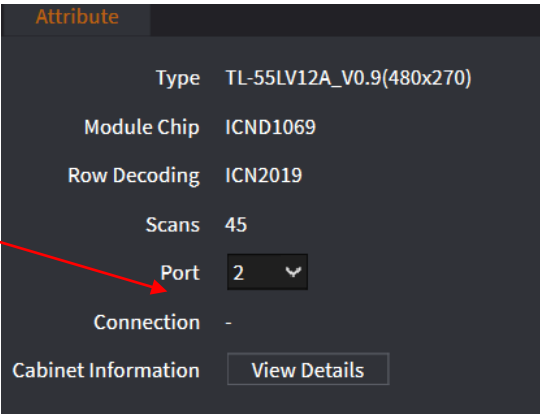
Configuration: 165 "(55" 3x3)

■[3 x 3] Columns: 6, Rows: 6

② Select  from [Fast Routing] displayed on the right side of the tool.



④ Set [Port] to 2.



③ Use drag and drop to select the following range of cabinets that you want to connect.



7. LED Manager LV Application Settings

7-3 Cabinet connection Settings

Configuration: 165 "(55" 3x3)

■[3 x 3] Columns: 6, Rows: 6

- ⑤ Select  from [Fast Routing] options displayed on the right side of the tool. The port number will change to 1, so please set it back to 2.

Attribute

Type

TL-55LV12A_V0.9(480x270)

Module Chip

ICND1069

Row Decoding

ICN2019

Scans

45

Port

2

Connection

12

Cabinet Information

View Details

Position

Coordinate

X

0

Y

0

Fast Routing































- ⑦ Set [Port] to 3.

Attribute

Type

TL-55LV12A_V0.9(480x270)

Module Chip

ICND1069

Row Decoding

ICN2019

Scans

45

Port

3

Connection

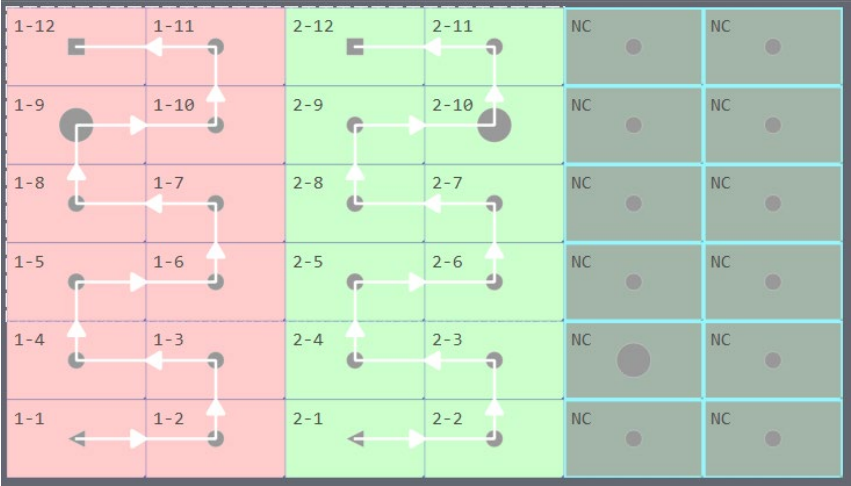
-

Cabinet Information

View Details

- ⑥ Use drag and drop to select the following range of cabinets that you want to connect.

Screen1(20%)_Cabinet Count(36)



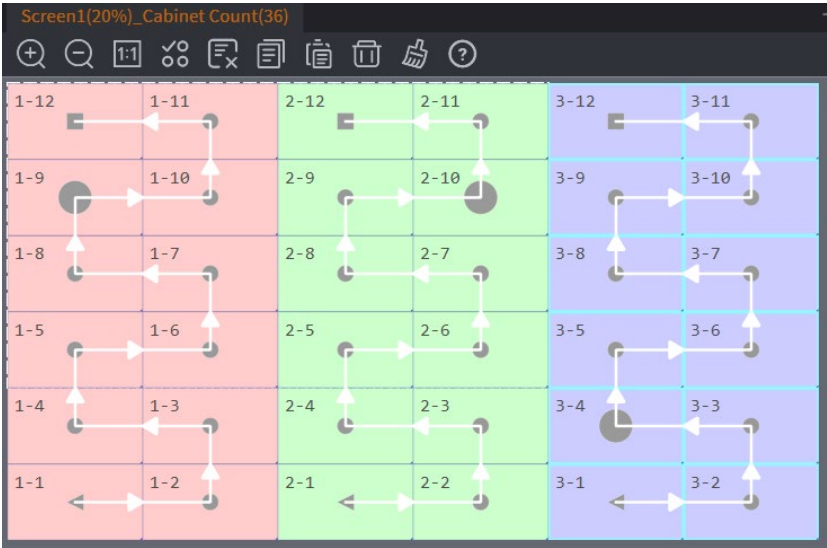
7. LED Manager LV Application Settings

7-3 Cabinet Connection Settings

Configuration: 165 "(55" 3x3)

■[3 x 3] Columns: 6, Rows: 6

- ⑧ Select  from [Fast Routing] section displayed on the right side of the tool.
The port number will change to 1, so please set it back to 3.



Attribute

Type TL-55LV12A_V0.9(480x270)

Module Chip ICND1069

Row Decoding ICN2019

Scans 45

Port 3

Connection 12

Cabinet Information View Details

Position

Coordinate X 0 Y 0

Fast Routing

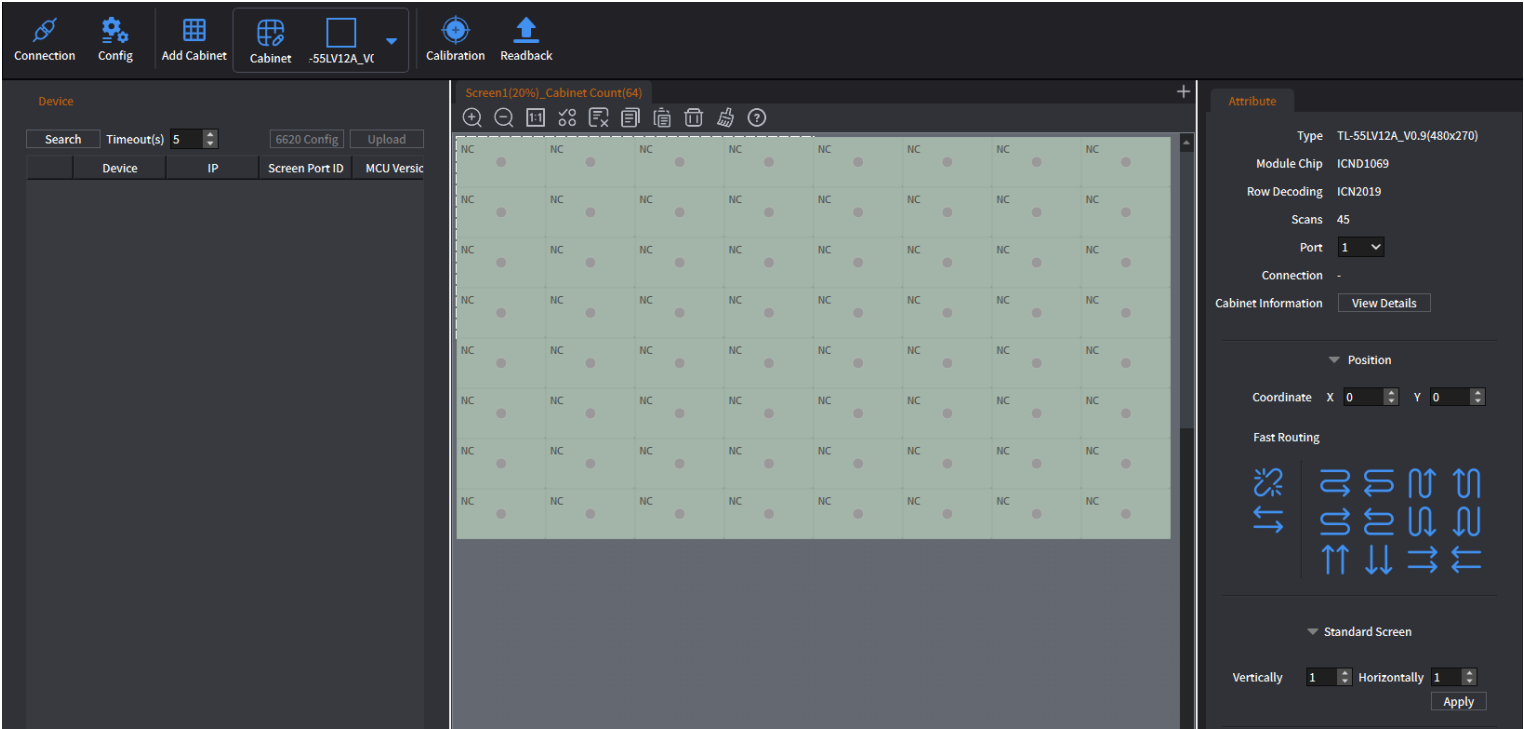
***Make sure that the HDMI connection from the system board is connected correctly.**

7. LED Manager LV Application Settings

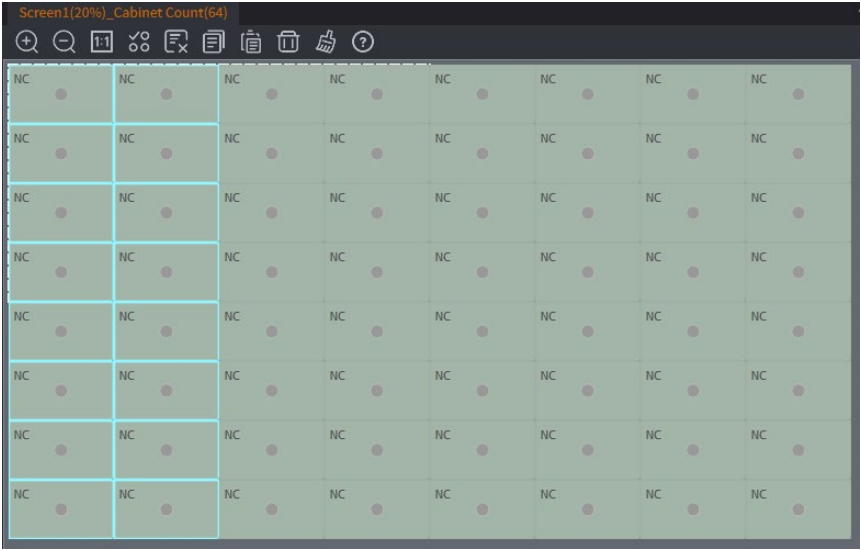
7-3 Cabinet Connection Settings

Configuration: 220 "(55" 4x4)

■[4 x 4] Columns: 8, Rows: 8



① Use drag and drop to select the desired range of cabinets. Select the desired range of cabinets.



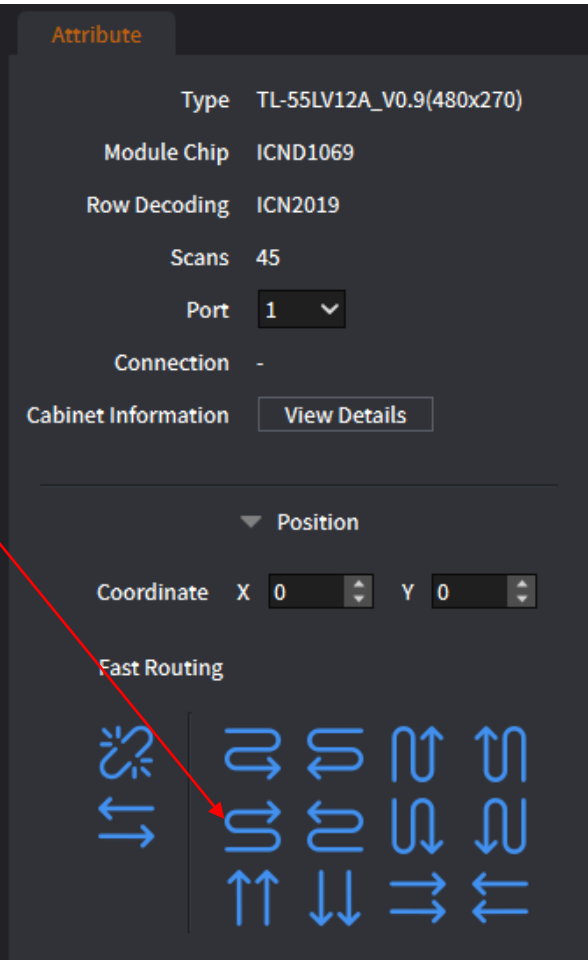
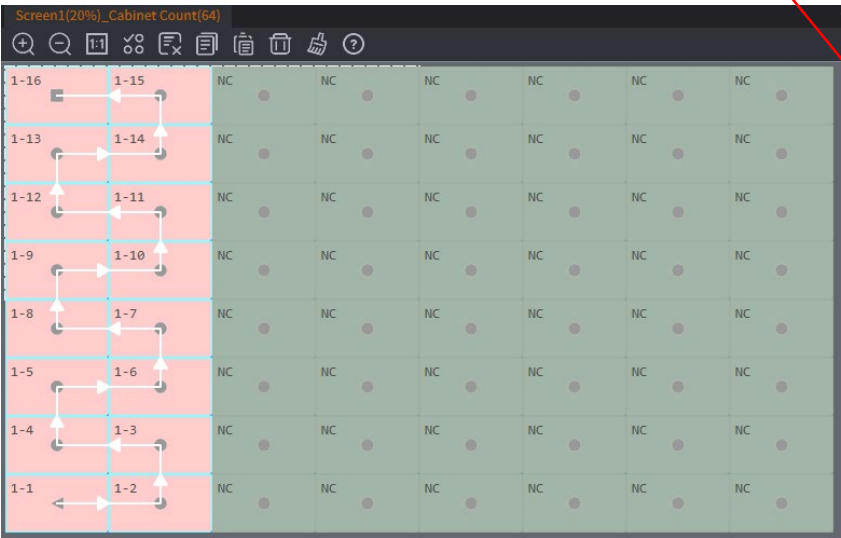
7. LED Manager LV Application Settings

7-3 Cabinet Connection Settings

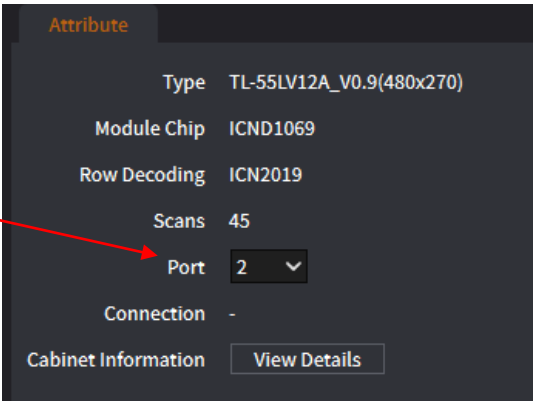
Configuration: 220 "(55" 4x4)

■[4 x 4] Columns: 8, Rows: 8

② Select  from [Fast Routing] options displayed on the right side of the tool.



④ Set [Port] to 2.



③ Use drag and drop to select the following range of cabinets.



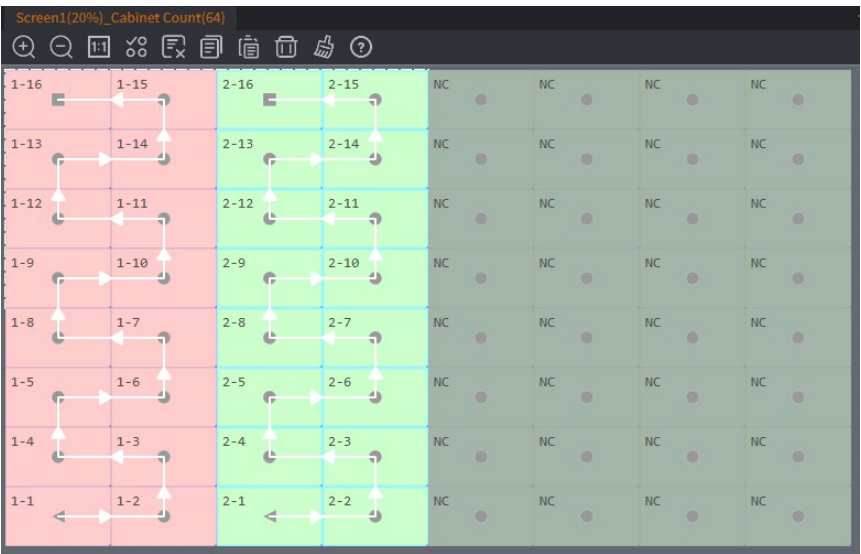
7. LED Manager LV Application Settings

7-3 Cabinet Connection Settings

Configuration: 220 "(55" 4x4)

■[4 x 4] Columns: 8, Rows: 8

- ⑤ Select  from [Fast Routing] section displayed on the right side of the tool. The port number will change to 1; please set it back to 2.



Attribute

Type

TL-55LV12A_V0.9(480x270)

Module Chip

ICND1069

Row Decoding

ICN2019

Scans

45

Port

2

Connection

1

Cabinet Information

View Details

Position

Coordinate

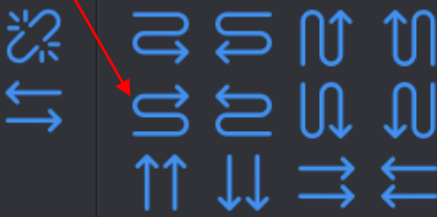
X

960

Y

1890

Fast Routing



- ⑦ Set [Port] to 3.

Attribute

Type

TL-55LV12A_V0.9(480x270)

Module Chip

ICND1069

Row Decoding

ICN2019

Scans

45

Port

3

Connection

-

Cabinet Information

View Details

- ⑥ Use drag and drop to select the following range of cabinets that you want to connect.



7. LED Manager LV Application Settings

7-3 Cabinet Connection Settings

Configuration: 220 "(55" 4x4)

■[4 x 4] Columns: 8, Rows: 8

- ⑧ Select  from [Fast Routing] section displayed on the right side of the tool. The port number will change to 1, so please set it back to 3.



Attribute

Type TL-55LV12A_V0.9(480x270)

Module Chip ICND1069

Row Decoding ICN2019

Scans 45

Port 3

Connection 1

Cabinet Information View Details

Position

Coordinate X 1920 Y 1890

Fast Routing

- ⑩ Set [Port] to 4.

Attribute

Type TL-55LV12A_V0.9(480x270)

Module Chip ICND1069

Row Decoding ICN2019

Scans 45

Port 4

Connection -

Cabinet Information View Details

- ⑨ Use drag and drop to select the following range of cabinets that you want to connect.



7. LED Manager LV Application Settings

7-3 Cabinet Connection Settings

Configuration: 220 "(55" 4x4)

■[4 x 4] Columns: 8, Rows: 8

- ⑪ Select  from [Fast Routing] section displayed on the right side of the tool. The port number will change to 1, so please set it back to 4.



Attribute

Type TL-55LV12A_V0.9(480x270)

Module Chip ICND1069

Row Decoding ICN2019

Scans 45

Port 4

Connection 1

Cabinet Information [View Details](#)

Position

Coordinate X 2880 Y 1890

Fast Routing

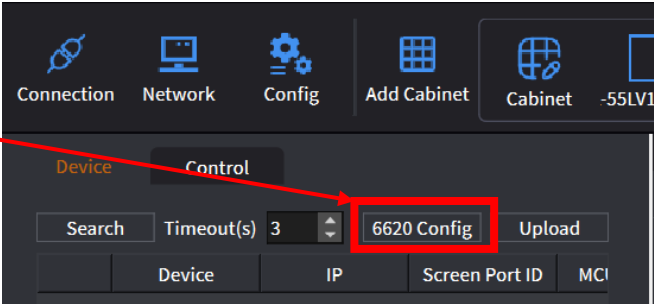


***Make sure that the HDMI connection from the system board is connected correctly.**

7. LED Manager LV Application Settings

7-4 Input/Output Resolution Settings

Click Config.



Configuration: Input example for 110 "(55" 2x2)

Input Signal: 1920x1080 60P

Output Resolution: 1920x1080

Number of System Boards: 1

SendCard Config

Configuration

Video Resolution

Identified Resolution: -

Refresh

Source Setting

Input Source Bit Depth 8 bit

Frames Per Second 60

Input Resolution 1920 x 1080 Custom Resolution Info

Port	X	Y	Total Width	Total Height	Port Width	Port Height	Port Offset
1	0	0	1920	1080	1920	1080	0

Reset

Configuration

Default

Retrieve Based on Receiving Card Arrangement

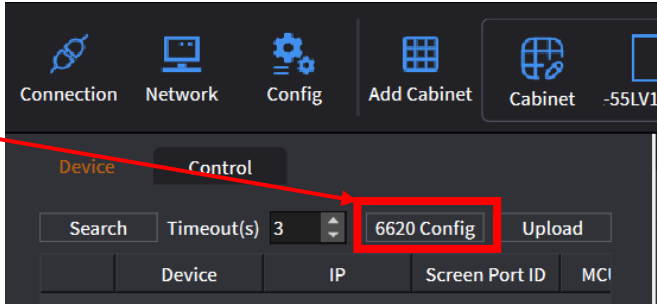
*If you want to change the input signal to 4K, please change the Input Resolution to 4K.

*If you wish to switch to 50P, please refer to the LED Manager LV instruction manual to make the change.

7. LED Manager LV Application Settings

7-4 Input/Output Resolution Settings

Click Config.



Configuration: Input example for 165 "(55" 3x3)

Input Signal: 2880x1620 60P

Output Resolution: 2880x1620

Number of System Boards: 3

SendCard Config

Configuration

Video Resolution

Identified Resolution: -

Refresh

Source Setting

Input Source Bit Depth 8 bit

Frames Per Second 60

Input Resolution 2880 1620 Custom Resolution Info

Port	X	Y	Total Width	Total Height	Port Width	Port Height	Port Offset
1	0	0	2880	1620	960	1620	0
2	0	0	2880	1620	960	1620	960
3	0	0	2880	1620	960	1620	1920

Reset

Configuration

Default

Retrieve Based on Receiving Card Arrangement

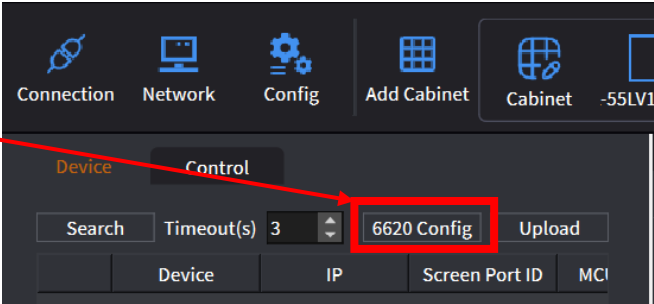
*If you want to change the input signal to 4K or 2K, please change the Input Resolution setting to match the respective signal.

*If you wish to switch to 50P, please refer to the LED Manager LV instruction manual to make the change.

7. LED Manager LV Application Settings

7-4 Input/Output Resolution Settings

Click Config.



Configuration: Input example for 220 "(55" 4x4)

Input Signal: 3840x2160 60P

Output Resolution: 3840x2160

Number of System Boards: 4

*If you want to change the input signal to 2K, please change the Input Resolution setting to 1920 x 1080.

*If you wish to switch to 50P, please refer to the LED Manager LV instruction manual to make the change.

SendCard Config

Configuration

Video Resolution

Identified Resolution: -

Refresh

Source Setting

Input Source Bit Depth 8 bit

Frames Per Second 60

Input Resolution 3840 2160 Custom Resolution Info

Port	X	Y	Total Width	Total Height	Port Width	Port Height	Port Offset
1	0	0	3840	2160	960	2160	0
2	0	0	3840	2160	960	2160	960
3	0	0	3840	2160	960	2160	1920
4	0	0	3840	2160	960	2160	2880

Reset Configuration Default Retrieve Based on Receiving Card Arrangement

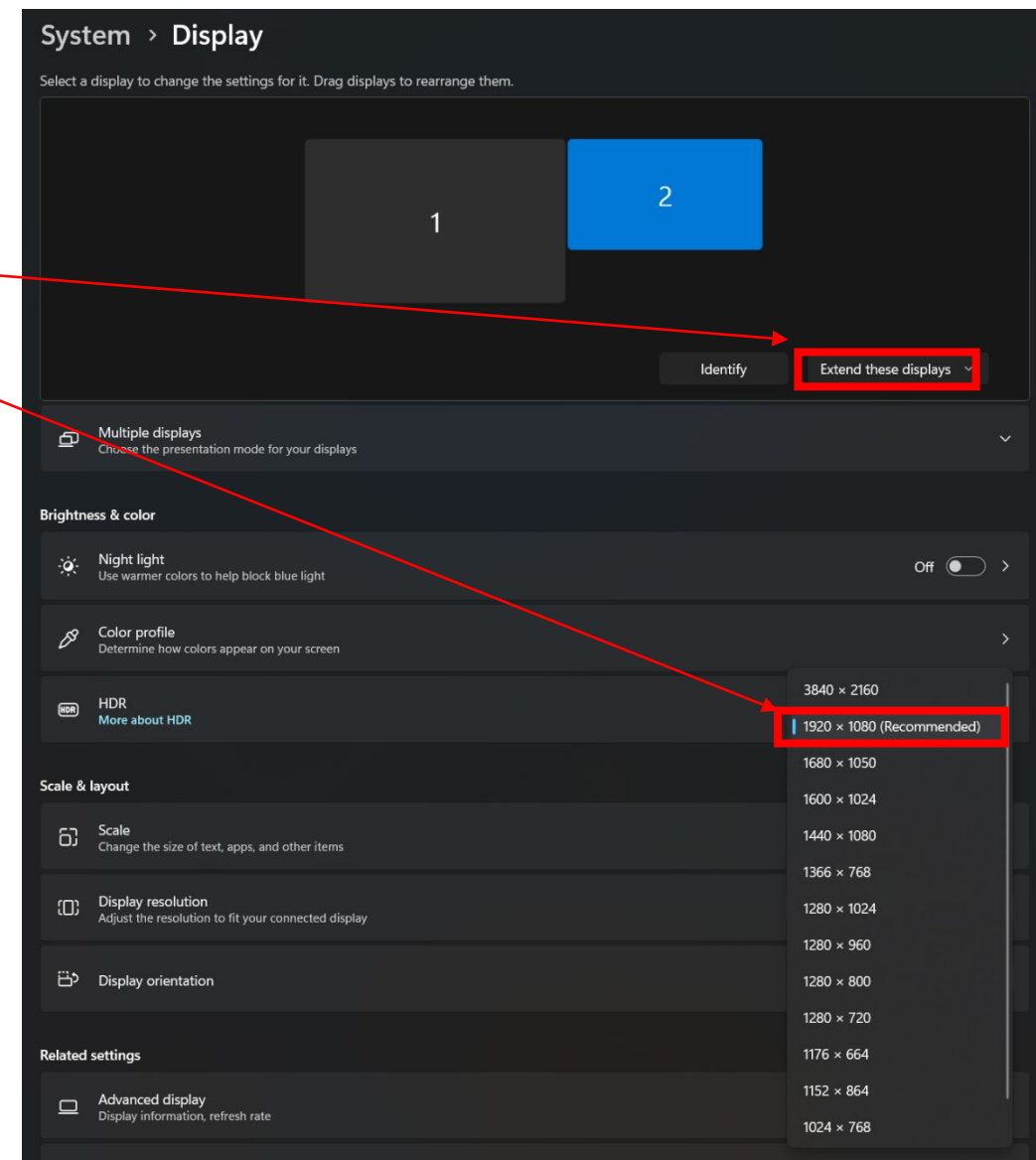
7. LED Manager LV Application Settings

7-5 PC (other source device) Output Resolution and Frequency Settings

If no video is displayed on the TL-55LV12A even after completing the 7-3 input/output resolution settings, check the output settings (detailed display settings) of the source device.

• PC

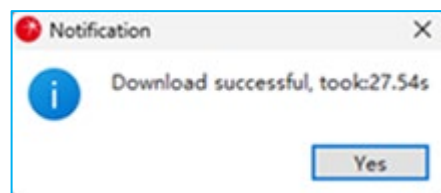
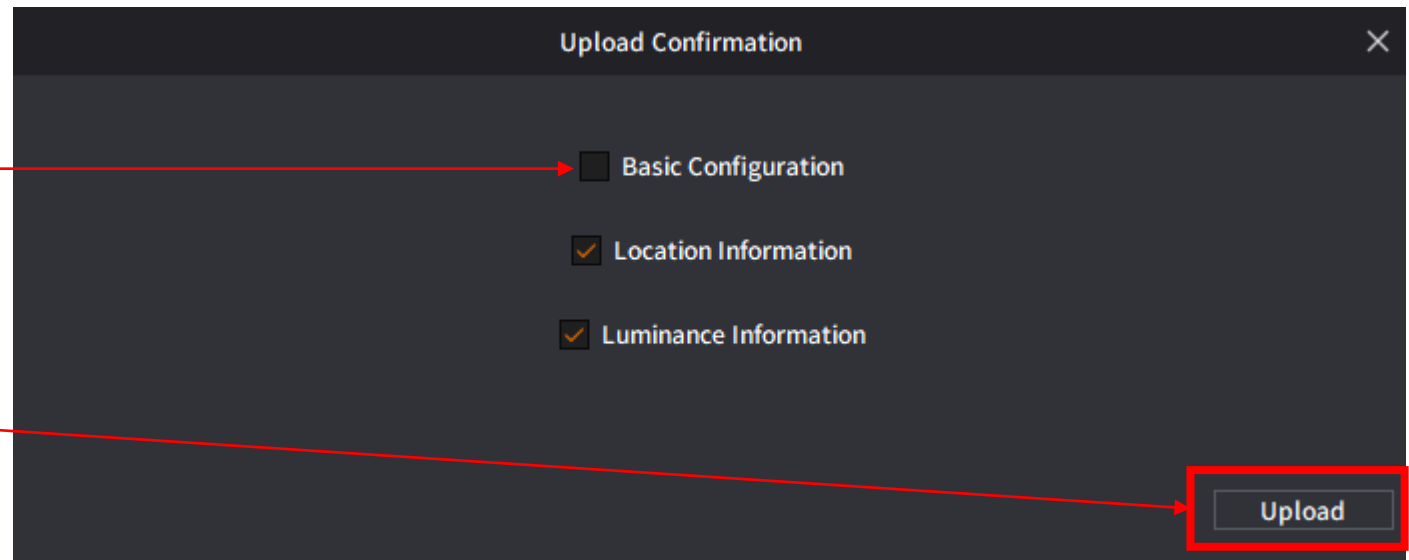
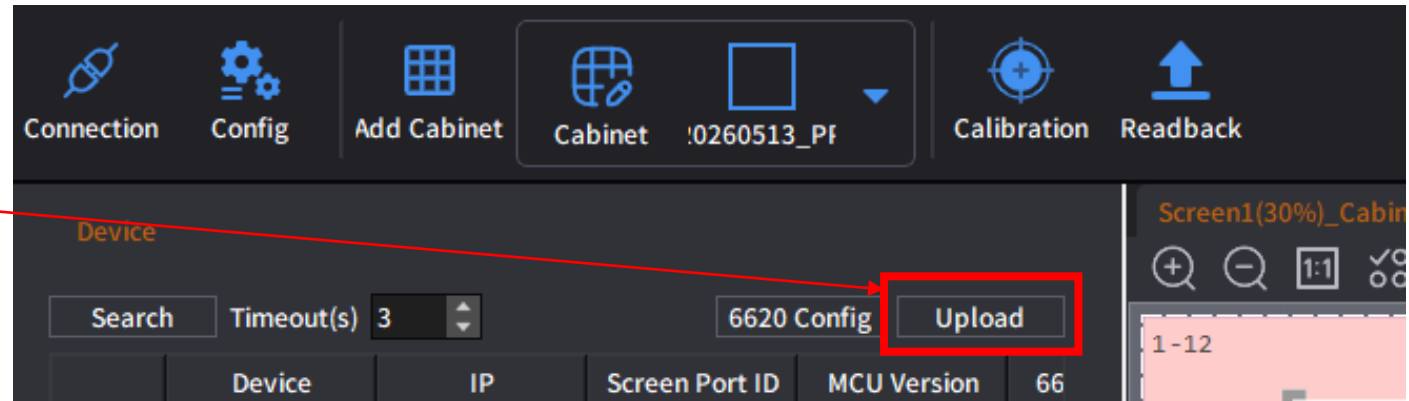
- ① On the desktop, right-click → Display Settings, then click
Make sure that the output settings of the PC are set to Extended Display.
- ② Make sure that the resolution setting of the TL-55LV12A matches the resolution set in the application.
- ③ Click Advanced Display Settings and make sure that the frequency setting on the TL-55LV12A matches the resolution set in the application.



7. LED Manager LV Application Settings

7-6 Cabinet Connection Setting Upload

- ① With the device connected
Select Upload in the Device field of the main screen.
- ② Make sure that an HDMI signal is being input from the source device.
(If there is no signal, the upload will not be completed.)
- ③ In the Upload Confirmation
[Basic Configuration] is not checked.
Make sure that you click Upload.
- ④ After completion of normal operation, the following tab is displayed and the video is displayed on the LED.
The video is displayed.



7. LED Manager LV Application Settings

7-7 Set standby mode

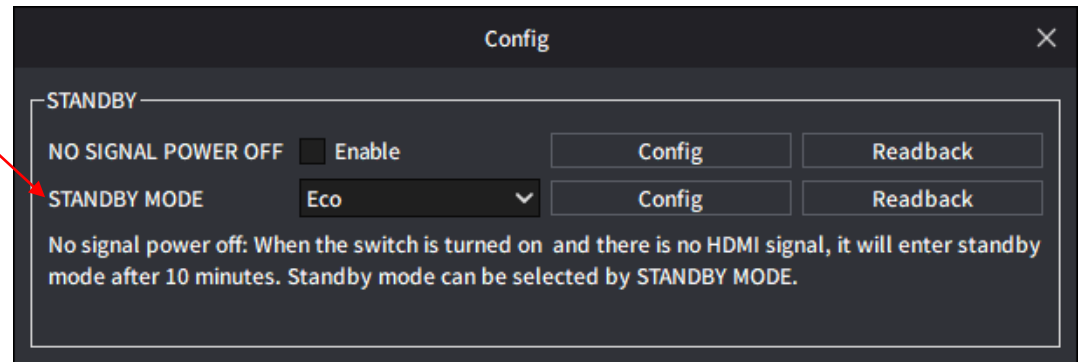
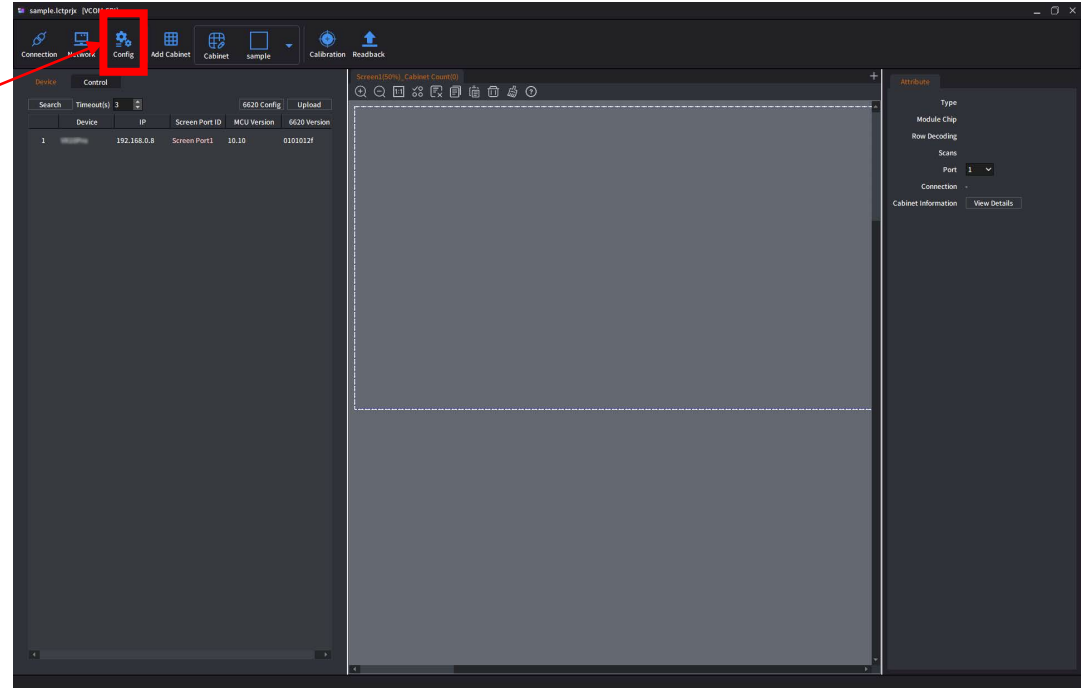
Set the standby mode to [Network] when turning on the unit using LED Manager LV or external control commands.

① Select [Config] in the main screen.

② Set [STANDBY MODE] to [Network].

Select [Network], then click [Config].

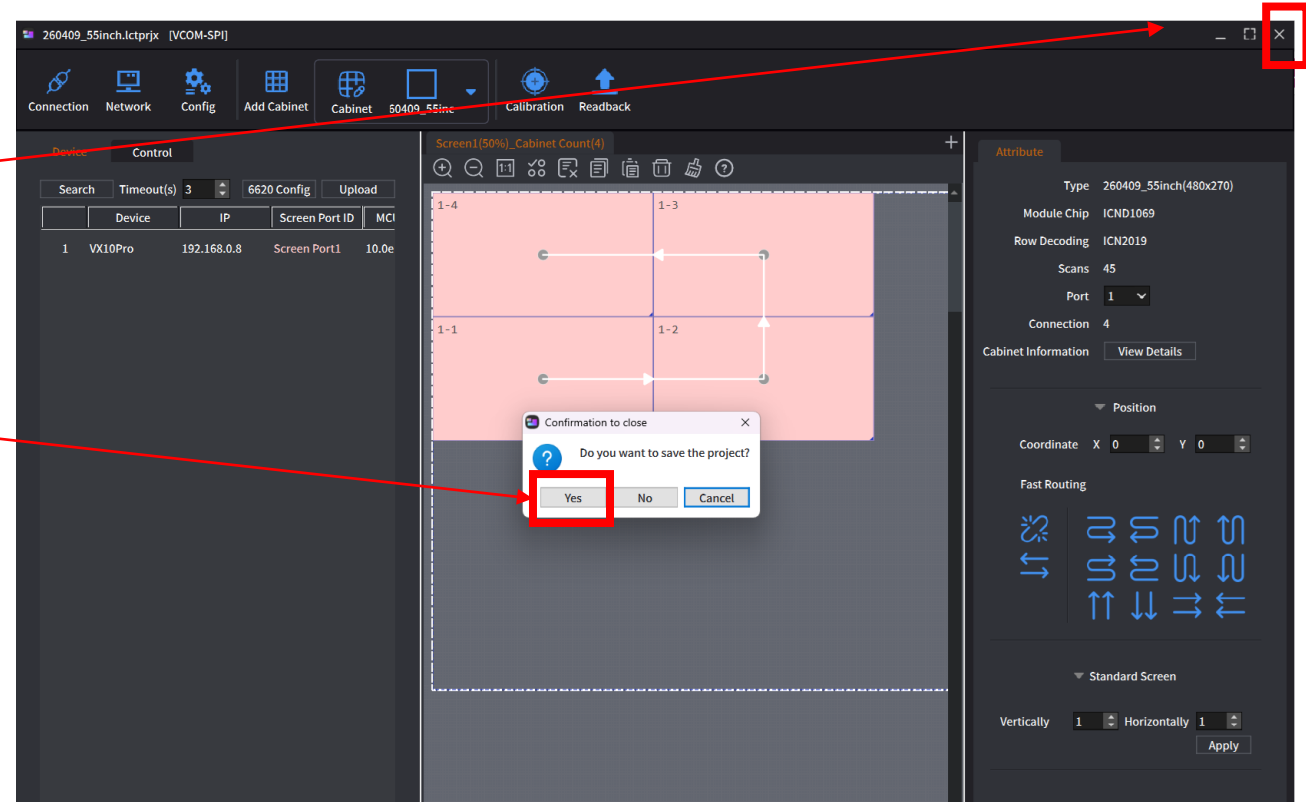
- The factory default setting is [Eco].
In [Eco] mode, the power can only be turned on using the infrared remote control.



7. LED Manager LV Application Settings

7-8 Closing the application

- ① Click X at the upper right.
- ② Please select [Yes] when the "Do you want to save the project?" message appears.



* After installation is complete, when configuring settings again using LED Manager LV, please load the project file saved at the time of installation using [Open Project].

The logo for MEViX, featuring the word in a bold, white, sans-serif font. The 'i' is lowercase and has a dot. The background is a dark blue gradient with a white diagonal line on the left side.

MEViX

ILLUMINATE THE WORLD