Be sure to follow the directions below.

Warning:
This product requires special installation to prevent falling or toppling.
Please ask installation specialists for installation.
Don’t attempt to install this product by yourself.

It is necessary to install properly in order that this product perform sufficiently and the safety ensure.
For Set-up Manual, please contact the distributor.

Separate “User’s Manual” is for your customer.
Please pass your customer “User’s Manual” with “Quick Start Guide” after installing the product. Please ask your customer to keep it with “User’s Manual”.

.quick start guide
for installer

Warning:
This product requires special installation to prevent falling or toppling. Please ask installation specialists for installation. Don’t attempt to install this product by yourself.

It is necessary to install properly in order that this product perform sufficiently and the safety ensure. Please read User’s Manual, User’s Manual of LCD display and Set-up Manual before installing the product. For Set-up Manual, please contact the distributor.


Quick Start Guide

FOR INSTALLER
Contents

1 Safety precaution ..................................................................................................................................................................3
2 Preparation ..............................................................................................................................................................................4
3 Display attaching...................................................................................................................................................................8
   3.1 Display mounting .........................................................................................................................................................8
   3.2 Display open / close.................................................................................................................................................. 10
   3.3 Panel gap adjustment.............................................................................................................................................. 10
4 Check after installing ........................................................................................................................................................ 11
1 Safety precaution

- This product requires special installation to prevent falling or toppling. This should be done by installation specialists.
- Be sure to read this manual and the user's manual of the display for your safety before starting assembly or installation.
- Be sure to use supplied accessories for assembly or installation.
- Attach all the screws and fixtures specified in this manual securely.
- Do not dissolve or revamp the product except the areas which are specified in this manual.
- Inspect the mounting fixings more than once in a year as needed.
- Do not install the display with its intakes, exhaust slots and ventilation holes blocked. The display may overheat and cause a fire or breakdown.

To mount on a wall

- Before mounting, check the strength of the wall. Mount on a wall which safety factor is more than 6 (or ensure that it can bear six times the sum of the weights of products and the mount brackets). When it is not sufficient, reinforce the wall surface.

  The weights of the displays and wall mount bracket
  LM55S1: 37kg, LM55P1: 37kg, LM46P1: 24kg
  BR-LM1KK: 12kg

- Carefully install onto the wall not to get loose due to vibration etc. Wrong installation or installation with insufficient strength causes the product to fall resulting in a serious accident or injury.
- The weights shall be borne by a sturdy structural material such as a joist. Secure the bracket using bolts, spring washers, washers, and nuts.
- Don’t install the bracket directly on a wall having insufficient strength, or don’t install it using wooden screws or anchor screws. Also don’t install it on wooden structural materials or blocks.
- Install the displays not to touch with adjacent panels. The outer circumference of the panels is quite weak and hard pressure or impact may cause damage.
- Before installation, calculate cable length for external connection and prepare them. Inappropriate length may make the wiring difficult.
- Do not put your hands in the back of panel while closing the display. You may be injured to trap your finger in the bracket or between the panels.

How to handle the display

- Do not touch the top surface or left-hand surface as viewed from the front surface of the display. Doing so may cause failure.

- When carrying the display, make sure to have two people carry it while holding onto the handles. In addition, being careful not to touch the panel surface, cautiously support the bottom surface of the panel.

- Be careful not to twist or bend the display.
- Be careful not to bump or apply pressure on the panel.
- When laying the display flat, be sure to place the panel on a flat surface with a something soft like a blanket underneath, and be careful not to scratch the surface of the panel or allow the panel to be subjected to excessive pressure. Also do not leave the panel face-down for a long while.
- Protect the panel from static electricity.

  To keep static buildup to a minimum, remove the protective sheet on the panel surface slowly.
- The surface of the panel is rather fragile and can be damaged easily. Do not push down hard on it or scratch it.
- Immediately wipe away any drops of water or oil that adhere to the panel. Allowing water or oil to remain on the panel for long periods of time may result in the panel becoming stained or changing color.

Vertical tiling

- In high configurations, the temperature condition gets worse in the upper panels. The recommended stack number in landscape orientation is up to 6, in portrait orientation is up to 2. When over that configuration, it requires an additional ventilation way to enhance the efficiency.
2 Preparation

Tools
Prepare the following tools..

Necessary tools
- Hex keys (4mm, 5mm)
- Phillips screwdriver (#2)
- Wrench (8mm)
- Level
- Stepladder
- Bolt (M6 length over 50m)

The name of each part

- Do not block the ventilation holes. The temperature inside the display rises high causing a fire or breakdown.
- Exhaust hot air gets stacked above the display. Create a space around the displays so as to release it and flow enough fresh air in from the bottom at least as shown below. It should apply to the case of portrait orientation as well. (unit: mm).

Hole locations on the wall
1. Create following mount holes on the wall. (unit: mm)

   - Create the holes fixing the cable ties to clamp the cables suitably.

Landscape
[LM55S1/P1]

[LM46P1]
2 Remove in order ①2 display brackets (L/R), ②2 handles (L/R), ③4 lock bolts.

3 Place the panel on a flat surface with a something soft like a mattress or blanket underneath.
- Do not leave the panel face-down for a long while.

4 Attach the display brackets (L/R) on the panel, which brackets have been removed in the step 2. Use removed 2 Lock Bolts to fix each of them.
- Carefully work not to bear down on the LCD panel hardly.
- Do not attach the display bracket (L) and (R) by mistake.

**Portrait**

[LM55S1/P1]

- 2-M6 for Hook
- 4-M6 For Base bracket

**Landscape**

[LM55S1/P1]

- 2-M6 for Hook
- 4-M6 For Base bracket

**Base bracket**

[LM46P1]
Portrait

- In portrait orientation, always rotate top side right in consideration of the panel holding structure.

5 Attach the removed handle (L) (without wire) on the right lower corner of the panel seeing back side with the screws that fixed it on the wall mount bracket.
- When attaching, contact inside the handle with the panel side surface closely.

6 Attach the hook on the wall with supplied 2 Bolts.

7 Starting from the panel at the center of the bottom row in the display wall, spread to its both sides and go to upper rows.

8 Hang the base bracket at the center of bottom row (1) on the hook.

9 Shift the position of the base bracket in about 6 mm. Take a level of the bracket. If bolt (M6 length over 50) is inserted into two holes at the top of the bracket, it can lift the bracket to tweak the vertical position.
- Remove the bolts after adjustment
10 Fix the bracket on the wall with supplied 4 bolts and washers.

11 Hang the brackets on the both sides, (2) and (3), on the hooks. Align height with the center bracket (1) and horizontal distance from one (refer to page 4 "Hole location on the wall), and fix them on the wall.

12 For LM55S1/P1, remove 2 screws on the right and left lower sides of the base bracket. Then slide the positioning plate to the lower side, and fix it with 2 screws.
   • This step is not neccessary for LM46P1, portrait and bottom low in landscape for LM55S1/P1

13 Attach the bracket at the center of upper row (4). Insert the protrusion on the top side of the lower bracket to the angle hole on the bottom side of the upper bracket.

14 In the same manner, attach the brackets on the both sides of it, (5) and (6).

15 Repeat the procedure to attach all brackets. Make sure that the vertical and horizontal distance between all brackets is proper (refer to page 4 "Hole location on the wall").
3 Display attaching

3.1 Display mounting

Starting from the panel at the center of the middle row in the display wall, spread to its both sides and top / bottom. Lastly fill the rest of areas.

1 Press the release lever on right side of the base bracket.
   • Be careful not to bump into the front bar, since it opens ahead.

2 Draw the front bar to the front. Then lift and draw the lock bar at the right lower side of the front bar to lock the front bar.

3 Hang the display brackets in the back of the panel on the front bar so as to fit the hole and the protrusion together.
   • Carefully treat the panel not to touch with adjacent panels.

4 Temporarily fix the panel with the bolts and washers which were on the display brackets.
   • Screen gaps could not be adjusted if you fix the bolts firmly

5 Attach the handle(R) on the right upper side of the display with 2 bolts that fixed it.
   • When attaching, contact inside the handle with the bezel side surface closely.
6 Tie the wire with the clamps attached to the display not to run it off the edge of the display.

- Fix the wire on the back of the display not to pinch it.

**Landscape**

[LM55S1/P1]

- Adjust the position of the handle (R) to turn the adjustment screw. Loosen the nut on adjustment screws with wrench (8mm) before adjustment.

- Contact the claw of the handle with the bezel front surface. After the adjustment tighten the nut.

8 In the same manner, adjust the position of the handle (L)

9 Connect the cables to the display.

10 Tie the cables with bands supplied to the display not to run the cables off the bottom edge when the panel is closed.

- The cables clamped on the wall are slacken off sufficiently not to pull cables when the display is opened.

**Holes for fixing Band**

[LM55S1/P1]

**Display dismounting**

Be sure to dismount the display before take off Handle (R), it's wire and cables.
3.2 Display open / close

Display closing
Release the lock bar at the right lower side of the front bar to lift and push it. Push the panel lightly to slide till locked at the end.
- Close it carefully not to touch adjacent panels.
- Make sure that the closed panel doesn’t pinch the internal cables.
- Release the lock bar while holding the display to the front if it is hard to release it.
- Do not put your hands in the back of panel while closing the display. You may be injured to trap your finger in the bracket or between the panels.

Display opening
Pull up the handles on both sides to draw the panel til
Release the display to pull up the handle(R) on the right side of
the display. Open the display to draw the handles on both sides.
Do not release the display to pull up the handle(L).  
- Lock the front bar with lock bar not to pinch the fingers and so on when the display is opened (refer to page 6 “3.1 step 2”).

3.3 Panel gap adjustment

Flat surface shift
Loosen the nuts on V position adjustment screws with wrench (8mm) before adjustment. Turn the adjustment screws with a 4mm hex key. One turn of the screws shifts the display approximately 0.8mm. Close the panel to check the gap and repeat the steps until the gaps being about 1mm.

Front / back direction
Loosen the nuts on adjustment screws with wrench (8mm) before adjustment. Turn the screws with a 4mm hex key to adjust. There are 4 screws in total on both sides. One turn of the screws shifts the panel approximately 1.5mm. Tighten the nuts after the adjustment.
- The shifting direction is opposite on upper and lower screws. By clockwise turning, the upper screws shift the panel top to the back direction, while lower screws shifts the panel bottom to the front.

After the all adjustment, firmly tighten the bolts on the display brackets on both sides which have been fixed temporarily and all nuts of adjustment screws.
# Check after installing

Check in according with the following checklist after installing. 
Be sure to take measures if there is any fault. (Performance is not only be exhibited, but safety can not be ensured.)

<table>
<thead>
<tr>
<th>Item</th>
<th>Measures in case of a fault</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Is the strength of the wall enough?</td>
<td>Reinforce the wall.</td>
<td>□</td>
</tr>
<tr>
<td>- Are the intakes, exhaust slots and ventilation holes blocked?</td>
<td>Eliminate any objects blocking.</td>
<td>□</td>
</tr>
<tr>
<td>- Are Bracket (L) and (R) attached by mistake?</td>
<td>Attach Bracket (L) and (R) correctly.</td>
<td>□</td>
</tr>
<tr>
<td>- Do the circumference surface of the display touch adjacent panels?</td>
<td>Adjust panel gap</td>
<td>□</td>
</tr>
<tr>
<td>- Are the bolts tightened securely?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hook</td>
<td>2pcs</td>
<td></td>
</tr>
<tr>
<td>Base Bracket</td>
<td>4pcs</td>
<td></td>
</tr>
<tr>
<td>Display Bracket</td>
<td>L/R each 2pcs</td>
<td></td>
</tr>
<tr>
<td>Bolts for fixing Display Bracket</td>
<td>L/R each 1pcs</td>
<td></td>
</tr>
<tr>
<td>Handle</td>
<td>L/R each 2pcs</td>
<td></td>
</tr>
<tr>
<td>- Are the cables slacken off sufficiently not to pull them when the display is opened?</td>
<td>Slacken off the cables sufficiently.</td>
<td>□</td>
</tr>
<tr>
<td>- Do the cables run off the panel edge when the panel is closed?</td>
<td>Tie the cables with cable ties.</td>
<td>□</td>
</tr>
<tr>
<td>- Are the handles adjusted to contact the claw with the bezel front surface?</td>
<td>Adjust the position of the handles.</td>
<td>□</td>
</tr>
</tbody>
</table>