Installation Manual
(for qualified service personnel)

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CLASS 1 LED PRODUCT

• Request assembly of the Electronic Board, stand and wall-mounting from your dealer.
• Before constructing or installing this set, please read this manual carefully.
  Especially, please read “For Your Safety” carefully and install the Electronic Board safely.
  Panasonic Communications Co., Ltd. cannot be held responsible for accidents or damage to property resulting from incorrect installation.
• When installing the Electronic Board, perform installation with 2 people.
For Your Safety

To prevent severe injury and loss of life, read this section carefully before using the unit to ensure proper and safe operation of your unit.

The following graphic symbols are used in this Installation Manual.

![WARNING](image1)

Denotes a potential hazard that could result in serious injury or death.

![CAUTION](image2)

Denotes hazards that could result in minor injury or damage to the unit.

This symbol is used to alert operators to a specific operating procedure that must not be performed.

These symbols are used to alert operators to a specific operating procedure that must be emphasized in order to operate the unit safely.

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**WARNING**

Safety check must be done by qualified service personnel after installing this unit.

Be sure to disconnect the power cord while installing the unit. Otherwise, it may cause electric shock or injury.

Be sure to use the specified parts for the installation. Otherwise, it may cause fire, electric shock or injury.

Notes in the operating instructions or notes of labels on the cabinet, chassis or parts should be observed.

To ensure safe operation the power cord supplied must be inserted into a standard three-prong AC outlet which is effectively grounded (earthed) through the normal wiring.

---

**CAUTION**

Do not install the unit except by a qualified service personnel.

After installing or moving the unit, lock the casters and set the fall-prevention extension legs.

Locking the casters (Push this side)

Push to lock

Be sure to put on a glove to avoid electric shock or injury.
Assembling the unit

Accessories for assembling

The package includes the parts for setting up the unit shown below. Make sure that all of these parts are included in the package before proceeding.

<table>
<thead>
<tr>
<th>No.</th>
<th>Part Name</th>
<th>Q'ty</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>①</td>
<td>Washer</td>
<td>4</td>
<td>For assembling the stand</td>
</tr>
<tr>
<td>②</td>
<td>Wall-mounting fixture</td>
<td>2</td>
<td>For wall-mounting</td>
</tr>
<tr>
<td>③</td>
<td>Clamp</td>
<td>1</td>
<td>For power cord when using the stand</td>
</tr>
<tr>
<td>④</td>
<td>Power cord</td>
<td>1</td>
<td>The illustration of the power cord is for the United States. The shape of the plug may vary depending on country/area.</td>
</tr>
</tbody>
</table>

Note

- Be sure to deliver the following accessories to the users.
  1. Markers (Black, Red, Blue) .................................. 1 each
  2. Eraser ................................................................... 1
  3. USB cable .......................................................... 1
  4. Operating Instructions ........................................... 1
  5. Warranty card (U.S.A. models only) .......................... 1
Assembling the unit

Assembly

1. Assemble the wall-mounting fixture or optional stand.
   - If you are using a wall-mounting fixture, refer to “Wall-Mounting Construction” on page 48.
   - If you are using a stand, refer to “Optional Stand Assembly (UE-608035)” on page 53.

2. Remove the joints and the shipping box.
   - UB-5838C has 12 joints.
   - UB-5338C has 8 joints.

* This is a diagram of the UB-5338C.
UB-5838C has cushioning materials on the upper and lower sides of the center of the unit.

Note
- When handling the screen unit, grasp the side cover on either side of screen. Do not grasp the screen film surface, as this may scratch it.
- When removing the shipping box, make sure that it does not strike the screen unit. (The screen unit may fall over.)
- The shipping box, cushioning material, and other packing material will be necessary for repackaging this unit. Do not throw them away.
- Remove the screen fixing tapes from top down slowly not to damage it.
Assembling the unit

3 Collapse the carton box.

4 Remove the protective plastic bag and lay down the unit onto the shipping box with the screen film surface facing downward.

Note
- Make sure that the cushioning material and other packing materials do not strike the screen film. (Contact may damage the screen film.)
- When using the stand, advance to step 10.

[Wall-mounting]

5 Remove the four rivets.

Note
- To remove the rivets, turn them counterclockwise with a screwdriver. (The fixed part of the rivets will be raised.)

6 Hang the two wall-mounting shafts of the unit to the wall-mounting fixtures.

Note
- Ensure that the shafts fall into the groove of the wall-mounting fixture. If the shafts do not fit to the groove, adjust the position of the wall-mounting fixture.
Assembling the unit

7 After unscrew the 4 screws from the lower center frame cover, remove it.

8 Fasten the wall-mounting clasps of the unit securely to the wall with the 4 appropriate wall-mouning hardware.

Note
- The 4 wall-mounting hardware are not included with the electronic board. Please purchase M6-size screws appropriate for your wall.

9 Attach the lower frame cover removed in step 7.
- Advance to “Electronic Board Operations Check” on page 45.

[Optional Stand]

10 Attach the optional stand to the unit.
- Each stands has four holes (A, B, C, D).
  1) Attach the stand to the unit with the locking caster up.
  2) When attaching the unit to the stand at normal height (1,830 mm [6' 11/32"]), tighten the two screws (included in the stand) with washers using the hexagonal wrench through holes A and C.

[Normal height]

Note
- Use the washer included with the electronic board. Do not use the washer included with the stand.
- Do not tighten the screw too much. This may deform the stand.
- By tightening the two screws with washers through holes A and B, the unit will be positioned 100 mm (3.15/16") higher than normal height (1,930 mm [6' 4"]).

[higher than normal height]
Assembling the unit

11 Stand the unit up.

12 Attach the rivets (included in the stand) to the holes in the stand that are not already in use.
   - normal height: 2 places
   - higher than normal height: 4 places

13 Attach the clamp to the stand.
   - Attach the clamp for the power cord to the upper side of the stand, on the control box side.
Electronic Board Operations Check

**Before Operation Check**

1. Wipe the screen film surface.
   - Soak a soft cloth with water, wring well, and wipe the screen film surface.

2. Attach the power cord.
   - Securely fit the supplied power cord in the AC inlet of the control box.

**Note**
- Do not wipe the screen film surface with paint thinner, benzene, or cleaners that contain abrasives. Doing so may cause discoloration.
- Do not wipe the screen film surface with a dry cloth. Doing so may create static electricity.

3. Remove the battery protection sheet.

**Setting the time**

1. Turn the power switch on.
   - The time set-up screen is displayed automatically when the power switch is turned on for the first time.
   - If the time set-up screen is not displayed even when the power switch is turned on, press the Set-up Key to enter the setting mode, then press the Set-up Key (▼) repeatedly to select the time set-up mode, and then press the Advance Key (▶).

2. Set the current time.
   - The value can be changed by pressing the Set-up Key (▼), and select the setting by pressing the Advance Key (▶).

3. Press the Mode Key (➜) to set the time.
### Operation Check Procedure

After assembling the unit and setting the time, perform the procedures presented in the following table to make sure it functions properly.

<table>
<thead>
<tr>
<th>Step</th>
<th>Points to Check</th>
<th>Condition</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Turn the power switch on.</td>
<td>The standby message is displayed after the initial message is displayed.</td>
<td>(Normal operation)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Display does not appear.</td>
<td>Check the power cord. (See step 2 on page 45.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>An error code appears on the display.</td>
<td>Contact the store or dealer from which the unit was purchased.</td>
</tr>
<tr>
<td>2</td>
<td>Press the Advance Key.</td>
<td>Screen is fed.</td>
<td>(Normal operation)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The screen film surface is not fed smoothly.</td>
<td>Contact the store or dealer from which the unit was purchased.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>There are strange noises.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Connect a USB flash memory device or SD memory card</td>
<td>The USB flash memory device or SD memory card installed is shown on the display.</td>
<td>(Normal operation)</td>
</tr>
<tr>
<td></td>
<td>(If not)</td>
<td>Contact the store or dealer from which the unit was purchased.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Use the accessory marker to draw a large across the entire scannable area of the screen film surface. For information on the scannable area, refer to “Screen Film” on page 12.</td>
<td>The screen film moves smoothly and the scanned image appears on the display.</td>
<td>(Normal operation)</td>
</tr>
<tr>
<td></td>
<td>(If not)</td>
<td>Contact the store or dealer from which the unit was purchased.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Press the Start/Stop Key.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Zoom in on several areas of the scanned image. (See page 18 and 19.)</td>
<td>A black or white horizontal line appears on the scanned image, or the image scanned is dark or blank.</td>
<td>Check the strong lighting.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The entire scannable area is not scanned.</td>
<td>Contact the store or dealer from which the unit was purchased.</td>
</tr>
<tr>
<td>6</td>
<td>Turn off the power switch, then turn back on after 3 minutes.</td>
<td>The standby message is displayed after the initial message is displayed.</td>
<td>(Normal operation)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The time is not correct.</td>
<td>Check the battery. (See step 3 on page 45.)</td>
</tr>
</tbody>
</table>
Repacking

Perform Assembly Steps 2 through 13 on pages 41 - 44 in reverse to repack the unit and accessories. Use the joints to fasten the shipping box.

**Note**

- When handling the screen unit, grasp the side cover on either side of screen. Do not grasp the screen film surface, as this may scratch it.
Wall-Mounting Construction

■ Checking the Wall

When mounting on a wall, consult with your building’s owner, caretaker or construction manager to determine if the wall strength is sufficient to install this unit. For safety, install this unit only after thoroughly understanding the type of walls, the appropriate types of screws and the construction method (page 51).

Note
• Do not attach the electronic board to mortared walls. Accidental electric leakage from the wall-mounting fixture screws to metal laths or wire laths can cause heat, smoke or fire.

1. Necessary Tools and Parts (not included with the product)
   Drill, Screwdriver, Measuring tape, Level
   8 screws (M6 size)

2. Before Starting
   1. Make sure that the wall is strong enough to support the following weight.
      For UB-5838C: 1,373 N [140 kgf (309 lbf)]
      For UB-5338C: 1,275 N [130 kgf (287 lbf)]
      Note
      • If necessary, reinforce the wall so that it is strong enough to support the unit.
   2. Make sure that the location is large enough to accommodate the unit.
      For UB-5838C: 1,125 mm (H) × 1,998 mm (W) [3’ 8 19/64” (H) × 6’ 6 43/64” (W)]
      For UB-5338C: 1,125 mm (H) × 1,636 mm (W) [3’ 8 19/64” (H) × 5’ 4 27/64” (W)]
   3. Make sure that the AC outlet is within 3 m (9’ 10 1/8”) of where the unit will be mounted and that it will not be behind the unit.
### Installing the Wall-Mounting Fixtures

1. Ensure that the wall is strong enough to support the unit.
   - For UB-5838C: 1,373 N [140 kgf (309 lbf)]
   - For UB-5338C: 1,275 N [130 kgf (287 lbf)]

2. Using the measuring tape and level, mark the 8 locations to insert the screws.
   - UB-5838C: 1,927 mm (6’3 7/8")
   - UB-5338C: 1,565 mm (5’1 5/8")

3. Drill 8 holes for the wall-mounting fixtures.
   - Drill holes that are appropriate for the screws you are using.

**Note**
- Note the difference in the hole position for UB-5838C and UB-5338C.
- Make sure that the position of the holes are level and perpendicular to each other (i.e., the unit will not be crooked).
- The lateral tolerance of the hole position of the wall-mounting fixture is ± 1.5 mm (1/16”).
Wall-Mounting Construction

4 Install the wall-mounting fixtures using the 4 screws.
   • 2 screws are used for each wall-mounting plate.
     The remaining 4 screws are used after installing the unit on the wall.

   ! Note
   • Screws (8 count) are not included with the product. Please purchase screws with a size of M6, appropriate
     for your type of wall.
   • Tighten the wall-mounting hardware so that it will not become loose.
   • When drilling the holes and installing the wall-mounting fixtures, follow the procedure in “Wall Types and
     Installation Procedures” (page 51).

5 Mount the unit on the wall.
   • Refer to “Assembling the unit” (page 40).
Wall-Mounting Construction

Wall Types and Installation Procedures
The method for attaching the wall-mounting fixtures to the wall will vary depending on the nature of the wall’s structure. Three available options are listed below. Other methods may be necessary depending on the wall.

- **Metal or Concrete walls**
  Stud plugs (sold in stores) are needed.

  ![Diagram of metal or concrete wall with stud plug and wall-mounting fixture]

  **Drill a hole in the wall**
  Drill eight holes in the wall. For the correct hole size, refer to the instructions for the particular stud plugs used.

  **Insert a stud plug in each hole**
  Insert a stud plug in each hole.

  **Insert the bolt through a hole in the wall-mounting fixture and tighten**
  Insert the bolt through a hole in the wall-mounting fixture and tighten until the wall-mounting fixture is securely fixed to the wall.
**Wall-Mounting Construction**

- **Plasterboard walls**
  Split-wing toggles (sold in stores) are needed.
  Insert the bolt through the hole in the wall-mounting fixture and attach the split-wing toggle. Then insert the split-wing toggle into the hole while the arms are horizontal.
  For the correct hole size, refer to the instructions for the particular split-wing toggles used.
  After the arms expand, pull the wall-mounting fixture out until the arms of the split-wing toggle grip firmly into the wall.
  Tighten the bolt until the wall-mounting fixture is securely fixed to the wall.

- **Wooden walls**
  Wood screws (sold in stores) are needed.
  Insert the wood screw through the hole in the wall-mounting fixture and tighten until the wall-mounting fixture is securely fixed to the wall.
  For the correct hole size, refer to the instructions for the particular wood screws used.
Optional Stand Assembly (UE-608035)

■ Included Parts

Check that the following parts are included with the optional stand (UE-608035).

<table>
<thead>
<tr>
<th>No.</th>
<th>Part name</th>
<th>Illustration</th>
<th>Q’ty</th>
</tr>
</thead>
<tbody>
<tr>
<td>①</td>
<td>Stand Base</td>
<td><img src="image1" alt="Illustration" /></td>
<td>2</td>
</tr>
<tr>
<td>②</td>
<td>Support Beam</td>
<td><img src="image2" alt="Illustration" /></td>
<td>2</td>
</tr>
<tr>
<td>③</td>
<td>Fall-prevention Extension Leg</td>
<td><img src="image3" alt="Illustration" /></td>
<td>4</td>
</tr>
<tr>
<td>④</td>
<td>Flat Head Screw (M6 × 60 mm [2 3/8”])</td>
<td><img src="image4" alt="Illustration" /></td>
<td>4</td>
</tr>
<tr>
<td>⑤</td>
<td>Nut</td>
<td><img src="image5" alt="Illustration" /></td>
<td>4</td>
</tr>
<tr>
<td>⑥</td>
<td>Wrench (4 mm [5/32”])*2</td>
<td><img src="image6" alt="Illustration" /></td>
<td>1</td>
</tr>
<tr>
<td>⑦</td>
<td>Support Bracket</td>
<td><img src="image7" alt="Illustration" /></td>
<td>2</td>
</tr>
<tr>
<td>⑧</td>
<td>Spring Washer</td>
<td><img src="image8" alt="Illustration" /></td>
<td>4</td>
</tr>
<tr>
<td>⑨</td>
<td>Screw (M6 × 45 mm [1 25/32”])</td>
<td><img src="image9" alt="Illustration" /></td>
<td>4</td>
</tr>
<tr>
<td>⑩</td>
<td>Washer</td>
<td><img src="image10" alt="Illustration" /></td>
<td>4</td>
</tr>
<tr>
<td>⑪</td>
<td>Screw (M6 × 60 mm [2 3/8”])*1</td>
<td><img src="image11" alt="Illustration" /></td>
<td>4</td>
</tr>
<tr>
<td>⑫</td>
<td>Rivet*1</td>
<td><img src="image12" alt="Illustration" /></td>
<td>4</td>
</tr>
<tr>
<td>⑬</td>
<td>Wrench (5 mm [13/64”])*2</td>
<td><img src="image13" alt="Illustration" /></td>
<td>1</td>
</tr>
</tbody>
</table>

*1 Use four screws and rivets when installing the electronic board.
*2 The included wrench is necessary for tightening and loosening the screws, so keep it in a safe location.

Note

- Before assembly, be sure to lock the casters.
Optional Stand Assembly (UE-608035)

Assembly Instructions

1. Assemble the fall-prevention extension legs.

2. Assembling the stand
Optional Stand Assembly (UE-608035)

3 Pull the fall-prevention extension legs down.

Note
• When folding back the fall-prevention extension legs, release the lock as follows (1, 2).

4 Mount the unit.
• Refer to "Assembling the unit" (page 40).
Information for Users on Collection and Disposal of Old Equipment and used Batteries

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC. By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items. Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol (bottom two symbol examples):
This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

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