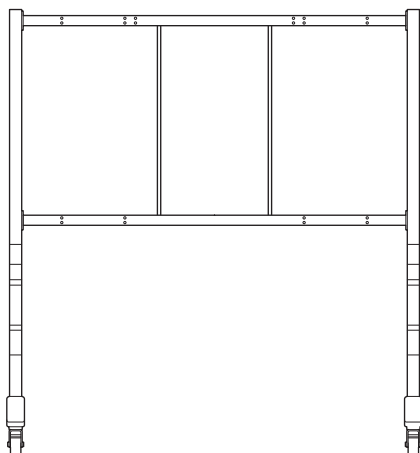


## Installation Instructions

MOBILE STAND For business use

English

Model No. TY-ST110AD1



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- Please read these instructions before operating your set and retain them for future reference.
- This device is a separately sold accessory specifically for TL-110AD12AW.  
This device cannot be purchased or used separately from the above-named unit.
- Illustrations and screens in this Installation Instructions are images for illustration purposes, and may be different from the actual ones.

# Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Clean only with dry cloth.
- 6) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 7) Only use attachments / accessories specified by the manufacturer.
- 8) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.
- 9) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



# Important Safety Notice

## WARNING

To prevent damage which may result in fire or shock hazard, do not expose this appliance to dripping or splashing.

Do not place a container filled with water or other liquid on top of the unit.

## IMPORTANT INFORMATION: Stability Hazard

Never place the unit in an unstable location. The unit may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the unit.
- Only using furniture that can safely support the unit.
- Ensuring the unit is not overhanging the edge of the supporting furniture.
- Not placing the unit on cloth or other materials that may be located between the unit and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the unit or its controls.

If the existing unit is going to be retained and relocated, the same considerations as above should be applied.

# Safety Precautions

## WARNING

### ■ Setup

- To prevent the unit from tumbling down or falling, check the installation location is strong enough for the weight of the unit and accessories before installation.

**We are not responsible for any product damage, etc. caused by failures in the installation environment even during the warranty period.**

Small parts can present choking hazard if accidentally swallowed. Keep small parts away from young children. Discard unneeded small parts and other objects, including packaging materials and plastic bags/sheets to prevent them from being played with by young children, creating the potential risk of suffocation.

**Do not place the unit on sloped or unstable surfaces, and ensure that the unit does not hang over the edge of the base.**

- The unit may fall off or tip over.

**Install this unit at a location with minimal vibration and which can support the weight of the unit.**

- Dropping or falling of the unit may cause injury or malfunction.

**When using this unit, be sure to take safety measures to prevent falling or dropping of the unit.**

- If an earthquake occurs or a child climbs the unit, the unit may fall or drop, resulting in an injury.

### **Cautions for Installation**

- The installation should be performed by an installation professional. Installing the unit incorrectly may lead to an accident that results in death or serious injury.
- Before installation, be sure to check if the mounting location has enough strength to support the weight of the unit and the wall hanging bracket for anti drop.
- If you terminate the use of the product, ask a professional to remove it promptly.

**To avoid getting accidentally squeezed between the unit and the wall or a mounting fixture, the installer should make sure that there is nobody in the surrounding area before starting the unit installation or removal work.**

- Injury may be caused by having your fingers or hands accidentally squeezed between objects.

### ■ When using the unit

**Do not attempt to disassemble or alter the unit in any way.**

- The unit may have damage or fall, and cause injury.

**All parts and accessories included in the product package should be stored out of children's reach.**

- These items are detrimental to human health if accidentally swallowed.
- Please contact a doctor immediately in case you doubt that the child may have swallowed it.

## CAUTION

**Do not place the unit in a place where it can be exposed to the weather, salt damage, or corrosive gas.**

- Doing so may cause the unit to fall due to corrosion, and it may result in injury. Also, the unit may malfunction.

**The installer should avoid getting their hands or fingers pinched during installation.**

- Such pinching could lead to Injury.

**We do not assume responsibility for any accident or damage that is caused as a result of attempting to install or handle the unit in any way not specified in our operating instructions/installation instructions or by using any part or material other than the ones specified.**

**Do not step on, or hang from the unit.**

- They might tip over, or might be broken and it may result in injury. Pay special attention to the children.

**Do not subject the unit to excessive force or impact.**

- Doing so may result in damage to the equipment and/or personal injury.

**Unpack and carry the unit with assistance of other workers.**

- It may fall and cause injury.

**When using a mobile stand, take safety measures to prevent it from tumbling down or falling.**

- In the event of an earthquake or if a child climbs on it, it may tumble down or fall and cause injury.

**Do not use the components for any unit not specified in the catalog.**

- The unit may fall and cause injury.

**If the unit is deformed or cracked, do not use it.**

- It may tumble over and become damaged, resulting in injury.  
In case the unit is damaged, contact your dealer immediately.

**Install the unit on a level and stable surface.**

- It may fall, get damaged, and cause injury.
- The caster wheels are lockable. Keep the wheels locked during installation.

**Do not oil the caster wheels.**

- Oiling may cause the wheels to become cracked or damaged and potentially lead to personal injury if the unit tips over or breaks down as a result.

**Do not attempt to wheel the unit over bumpy or stepped surface.**

- Doing so may damage the caster wheels and potentially lead to personal injury if the unit tips over or breaks down as a result.
- Wheel the unit over flat and level surface only.

**Unlock the caster wheels before moving the unit.**

- Failure to do so may cause injury if the unit tips over or breaks down.

**When assembling, be sure to securely fasten all screw fastening points.**

- If assembled improperly, the unit may not have enough strength, tumble over, and become damaged, resulting in injury.
- The tightening torques are specified in the assembly instructions.

**Make sure to correctly install and connect all the electrical cables that are attached to or connected to the unit.**

- Installing or connecting a cable with the cable bent or twisted may cause short-circuiting, open circuit or core wire exposure, potentially resulting in electric shock or fire.

**Regularly inspect the product for deformation, cracks, and loose screws. Consult your dealer if you discover a problem.**

# Precautions for use

## ■ Cautions when installing

**Follow the instructions below when installing the unit.**

**Even before expiration of the warranty period, we do not assume responsibility for any damage arising from installing the unit in an inappropriate environment.**

**This unit must be installed in an indoor location. Even inside a building, avoid installing the unit in the following types of locations:**

- Where the unit is exposed to the weather
- Where the unit may be subject to drastic changes in temperature or humidity, for example near an air conditioning device
- Where the unit may receive vibration or impact
- Near a fire sprinkler or sensor

**Do not install the unit where it may receive vibration or impact.**

- Vibration or impact on the unit may damage its internal parts and can lead to mechanical failure. Choose a place free from vibration or impact to install the unit.

**Install this unit at a location which can support the weight of the unit.**

- Dropping or falling of the unit may cause injury.

**Do not install the unit near a high-voltage line or a power source.**

- Installing the unit near a high-voltage line or a power source may receive interference.

**Environmental temperature to use this unit**

- When using the unit where it is below 1 400 m (4 593 ft) above sea level: 0 °C to 40 °C (32 °F to 104 °F)
- When using the unit at high altitudes (1 400 m (4 593 ft) and higher and below 2 800 m (9 186 ft) above sea level): 0 °C to 35 °C (32 °F to 95 °F)

**Make sure to allow sufficient air flow around and through the unit so as not to exceed these temperature ranges.**

- Service life of the unit components may be shortened or mechanical failure may be caused.

**Install the unit out of direct sunlight and also away from heat-generating devices.**

- Even in an indoor location, direct sunlight can cause the LED module temperature to increase to result in mechanical failure.
- Cabinet deformation or failure can be caused.
- Excessive light or heat can cause mechanical failure or other problems arising from increase in the device temperature.
- Deterioration of video quality may be experienced.

## ■ When using

**After setting the Cabinet Module to the unit, avoid moving it to the following places. Vibrations applied to the unit while it is moved may cause misalignment or gaps between the LED Modules.**

- Place with a stepped surface
- Place with bumps and digs on the surface

**Do not apply an adhesive tape or sticker to the unit.**

- The unit surface will become soiled.

**Do not keep the unit in contact with a rubber or soft plastic material for an extensive period of time.**

- Unit deterioration may be caused.

## ■ Cleaning and maintenance

**Before cleaning the unit, make sure that the mains plug is disconnected from the socket outlet and double-check that the unit is not energized.**

**To remove dirtiness on the unit (except for the LED Module surface), wipe gently with soft antistatic cloth (cotton fabric or flannel).**

### Note

- Static charges may cause electrical circuit failure.
- Wiping the unit surface with stiff cloth or rubbing the surface hard may cause mechanical failure.

**Use of chemically impregnated wipes**

- Follow the instructions provided with the wipe when using the wipe on the unit.

## ■ Disposal

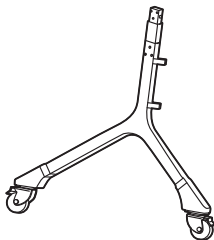
**When disposing the product, ask your local authority or dealer about the correct methods of disposal.**

# Accessories

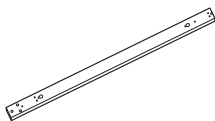
## Product

The number shown in < > is the quantity of the item included in the package.

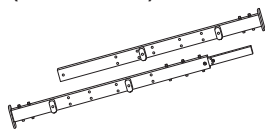
### Trestle base <2>



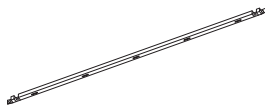
### Vertical pole <2>



### Cross bar (two sections) <2>



### Cable guide bar <2>



## Accessories Supply

Check that you have the accessories and items shown. The number shown in < > is the quantity of the item included in the package.

### M6-25 bolt <12> \*1

**For connecting each trestle base with the vertical pole**

DPVF4997ZA/X1



### M6-25 bolt <14> \*2

**For mounting the cross bars**

DPVF4997ZA/X1



### M6-25 bolt <12> \*2

**For connecting each vertical pole with the cross bars**

DPVF4997ZA/X1



### M6-25 bolt <4> \*2

**Locator pins to help position each cross bar**

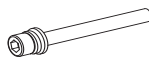
DPVF4997ZA/X1



### M6-50 bolt <12> \*2

**To install the wall mounts**

DPVF4998ZA/X1



### M6-25 bolt <8> \*3

**To mount the cable guide bars on the cross bars**

DPVF4997ZA/X1



\*1 Included with the vertical pole

\*2 Included with cross bar A

\*3 Included with the cable guide bars

### Attention

- Store small parts in an appropriate manner, and keep them away from young children.
- The part numbers of accessories are subject to change without notice. (The actual part number may differ from the ones shown above.)
- In case you lost accessories, please purchase them from your dealer. (Available from the customer service)
- Dispose the packaging materials appropriately after taking out the items.
- When tightening screws, use a torque driver or torque wrench; do not use an electric screwdriver or impact driver.

## Installation Procedure

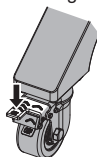
Lock the caster wheels.

### Note

- Do not attempt to lock or unlock the caster wheels when you are wearing unstable footwear such as sandals, Crocs and high-heeled shoes.

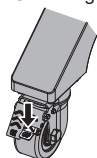
### Locking and unlocking caster wheels

#### Locking



Step on the pedal marked "ON" to push the pedal down.

#### Unlocking locked wheels



Pressing the pedal marked "OFF" will cause the "ON" pedal to lift. This releases the wheel lock.

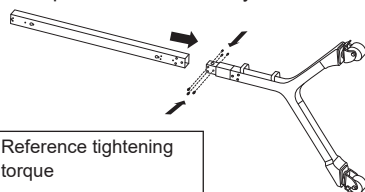
### Note

- Use a manual torque screwdriver or manual torque wrench to tighten fasteners. Do not use powered tools like an impact wrench or electrical screwdriver.

## 1 Connect each trestle base with the vertical pole.

Fit the vertical pole over the end of the trestle base and fasten them with M6-25 bolts (six bolts) from both sides.

Connect the other pair of trestle base and vertical pole in the same way.

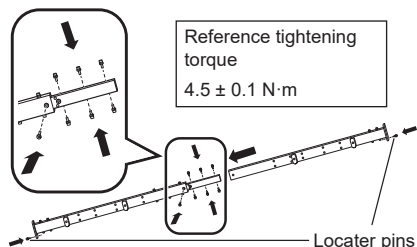


## 2 Assemble the cross bars.

Assemble one cross bar by inserting one of the cross-bar sections into the other and securing them with M6-25 bolts (seven bolts).

Make sure that the joined cross bar sections are exactly aligned with each other to make a smooth flat surface.

Assemble the other cross bar in the same way.



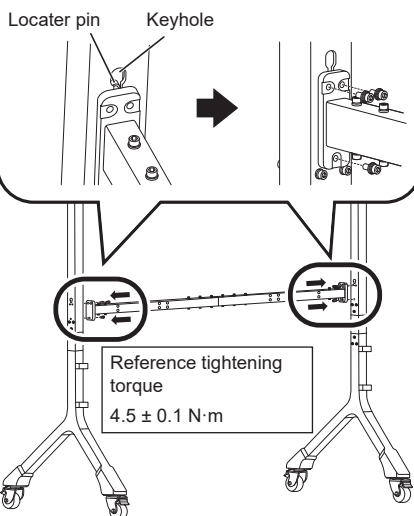
- Turn each bolt approximately five turns. Do not fully tighten these bolts.

## 3 Connect the vertical poles with the cross bars.

Join the first cross bar with the vertical poles by inserting the locator pin on each end of the cross bar into the receiving hole in the vertical pole on each side and securing them with M6-25 bolts (three bolts on each side, a total of six on both sides).

Assemble the other cross bar with the vertical poles in the same way.

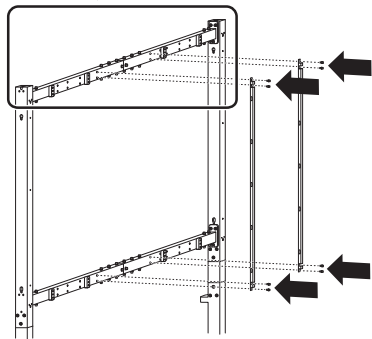
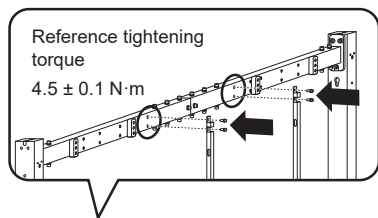
Insert the screw (locator pin) that was assembled onto the cross bar in Step 2 into the keyhole in the vertical pole, and slide the pin down.



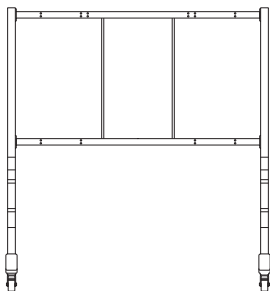


#### 4 Join the cable guide bars with the cross bars.

Join the first cable guide bar with the cross bars with M6-18 bolts (four bolts). Mount the other cable guide bar in the same way.



#### 5 Check that the trestle bases, the vertical poles and the cross bars are accurately put together with no backlash.



#### 6 Mount the Cabinet Module on the completed stand.

Read the Installation Instructions for TL-110AD12AW.

To download the Installation Instructions, please visit the Panasonic website (<https://docs.connect.panasonic.com/prodisplays/>).

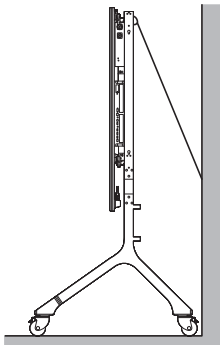
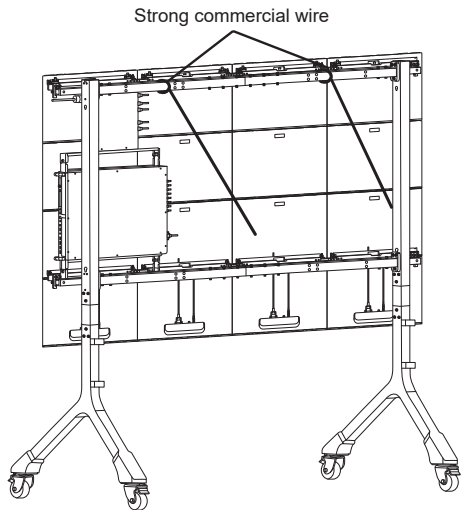


■ Measures to prevent tip-overs

To prevent the cabinet module and the stand from tipping over, pass a strong fabric string or metal wire through the intersection between the mount fitting and the upper cross bar (one intersection on each side) and fasten the string/wire to a sturdy wall or column for support. Make sure that the string/wire is taut without visible slack.

(The user is requested to procure and use a commercial string or wire for tip-over prevention.)

Make sure that the distance between the back of the display and the supporting wall or column is not greater than 1 m.



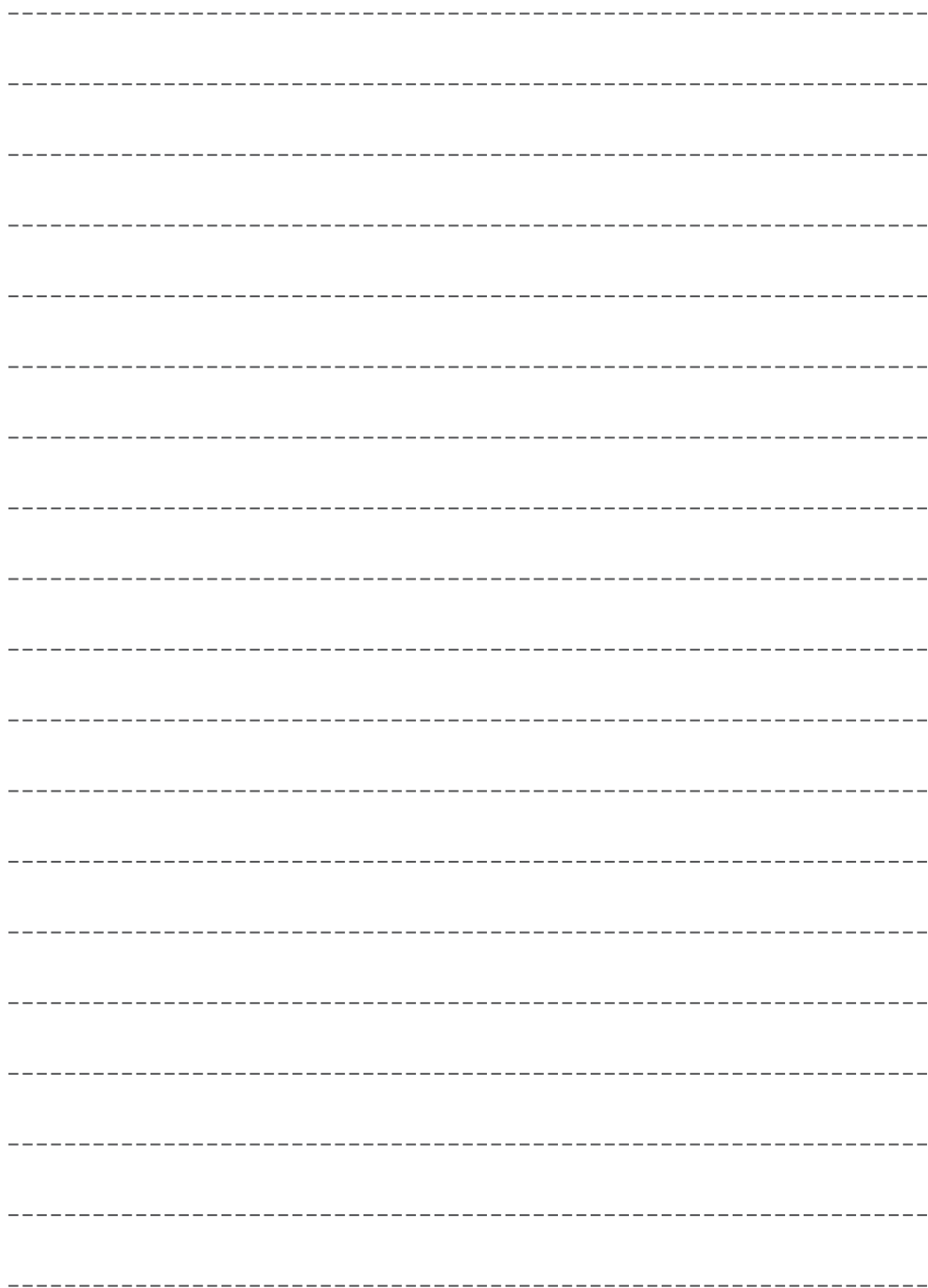
**Make sure to provide adequate tip-over/fall protection for safety.**

The unit may collapse or tip over during an earthquake or upon receiving strong impact. Do not use the unit without adequate tip-over/fall protection.

\* The protection measures described herein are intended to reduce injury and damage risks that may occur as a result of the product tipping over or falling during an earthquake or upon receiving impact. The measures are not guaranteed to prevent damage in all earthquakes.

# Specifications

Dimensions (W × H × D)	2 090 mm × 2 155 mm × 1 100 mm / 82.29" × 84.85" × 43.31"
Mass	Approx. 92 kg / 202.9 lbs



**Customer’s Record**

The model number and serial number of this product may be found on its rear panel. You should note this serial number in the space provided below and retain this book, plus your purchase receipt, as a permanent record of your purchase to aid in identification in the event of theft or loss, and for Warranty Service purposes.

Model Number	Serial Number
--------------	---------------

Manufactured by:  
Panasonic Projector & Display Corporation  
2-15 Matsuba-cho, Kadoma City, Osaka 571-8503, Japan  
Importer:  
Panasonic Connect Europe GmbH  
Hagenauer Strasse 43, 65203 Wiesbaden, Germany  
Authorized Representative in EU:  
Panasonic Connect Europe GmbH  
Panasonic Testing Centre  
Winsbergring 15, 22525 Hamburg, Germany

Importer for UK:  
Panasonic Connect UK,  
a branch of Panasonic Connect Europe GmbH,  
Maxis 2, Western Road, Bracknell, Berkshire, RG12 1RT

**Panasonic Projector & Display Corporation**

2-15 Matsuba-cho, Kadoma City, Osaka 571-8503, Japan  
Web Site: <https://docs.connect.panasonic.com/prodisplays/>

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