



# Installation Manual

## To users:

Thank you for purchasing OS product

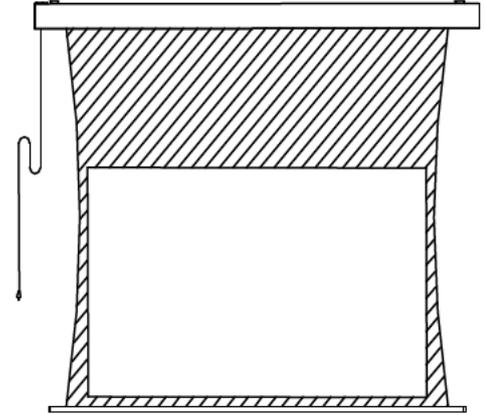
The installation of the device requires technical knowledge and please do not install it on your own. Please contact the installer or the distributor. Before installation, make sure you get necessary tools all ready, e.g. a pair of globes, Philips driver, etc. and make them ready according to the particular installation methods and environments.

## To installers:

For the sake of customer safety, please assure that the intended installation position is with sufficient strength and support to the weight of the screen and its accessories.

The structure and strength of the installation places are subject change. Adequate survey should be carried out, and select the correct installation method.

- After installation, please hand over the manual to the user



## STP-\*\*\*HM-MRK2

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■ Please kindly read this installation manual and the instruction manual carefully and use the product properly. This manual should be kept for future reference.

## Safety Precautions

### Please strictly comply with the following for safety

This instruction manual is intended to prevent any danger to the user and the third parties, or any damage to the property. The following indicators are to remind users to strictly observe the instructions.

Throughout our explanation, the possible damage which may be caused by any negligence or disregard of the safety precaution is classified to different levels according to the severity.



**WARNING** This icon warns that it may cause death or casualty if not following the instruction closely.



**CAUTION** This icon indicates that it may cause injury or damage to the property.

For the precautions we recommend users to notice, we explain by using the following different categories (The following are just examples).



This icon suggests that the action is strictly prohibited..



This icon suggests that this is the necessary procedure to follow



## WARNING



**The installation or dismantling should only be handled by more than one professional technician.**

Assemble the screen by two or more people. It might fall off causing damages and harms.



**For long period usage please ensure that the installation position is with adequate strength.**

If the support is not strong enough, the screen may fall down after long-period use.



**Pull out the power plug, when smoke, heat, smell or strange noise happens.**

The continuous use may cause a fire and an electric shock.

•Stop using it, and consult with the dealer or distributor.



**Take the power plug to connect, not the power cable.**

It may damage the power cable and cause a fire and an electric shock.



**Make sure the power plug is inserted tightly.**

When insertion is not enough, it may cause a fire by the electric shock and heat.



**Take off the dust, etc. of the power plug regularly.**

It causes an insulation failure due to moisture etc. when dust is piled up on the power plug, and might cause a fire.

Please pull out the power plug, and wipe with a dry cloth..

## WARNING

**Stop using, when anything like metal, water, or liquid goes into the screen, and pull out the power plug.**

The continuous use may cause a fire and an electric shock.  
Stop using it, and consult with the dealer or distributor.



**Pull out the power plug, when the screen is not used for long.**

The leak may cause a fire.



**Exchange the same two new batteries.**

When an old battery is mixed, it may cause heat, liquid leakage and the explosion.



**Do not alter the design or dismantle**

It may cause major failures.

Contact the dealer or distributor for repairs.



**Do not hang any objects to the screen**

This may cause damage to the screen and result in danger.



**Do not touch the power plug when thundering.**

It may cause an electric shock.



**Do not operate the power plug with a wet hand.**

It may cause an electric shock.



**Do not damage the power cable and plug.**

It causes the electric shock, the short, and a fire when used with damage.



**Do not connect the plug to power until the installation is finished.**

It may cause an electric shock.



## CAUTION

**Restore the screen to the case after use.**

Hanging the screen for long time may cause the fabric fall out.



**Within the expanded reach of the screen, do not place any objects to block the screen or objects that are easily breakable.**

This may cause damage to the screen or to the other properties in use.



**Do not place sharp objects near the screen**

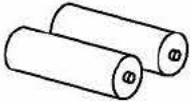
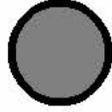
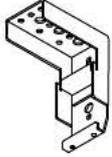
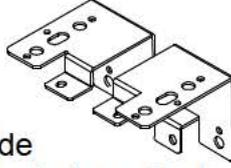
It may cause damage to the screen.



OS Screen would not be responsible for damage caused by improper installation or natural disaster factors.

## Accessories

■ Please confirm the accessories before installation.

Operation method	Other accessories, screws etc.
<p><b>Remote control</b></p>  <p>Infrared remote controller ×1</p>  <p>AAA dry batteries×2</p>  <p>Infrared receiver ×1</p>  <p>Sticker(spare)×1</p>	<p>Sliding brackets ×2</p>   <p>Side Brackets ×1set</p> <p>Screw A Cross recess Truss tapping screw (4×40)×6</p>  <p>Screw B Cross recess Truss tapping screw (4×12)×4</p> 

## Weight & mounting distance

■ Please confirm before installation.

	Model	Weight(kg)	Sliding bracket Mounting distance(mm)	Side bracket Mounting distance(mm)
S T P	100HM-MRK2	15.3	2251~2651	2846
	110HM-MRK2	16.4	2472~2872	3067
	120HM-MRK2	17.5	2694~3094	3289
	130HM-MRK2	30.4	x	3510
	140HM-MRK2	32.3	x	3731
	150HM-MRK2	34.2	x	3953

## Before installations · · · Notes on installation

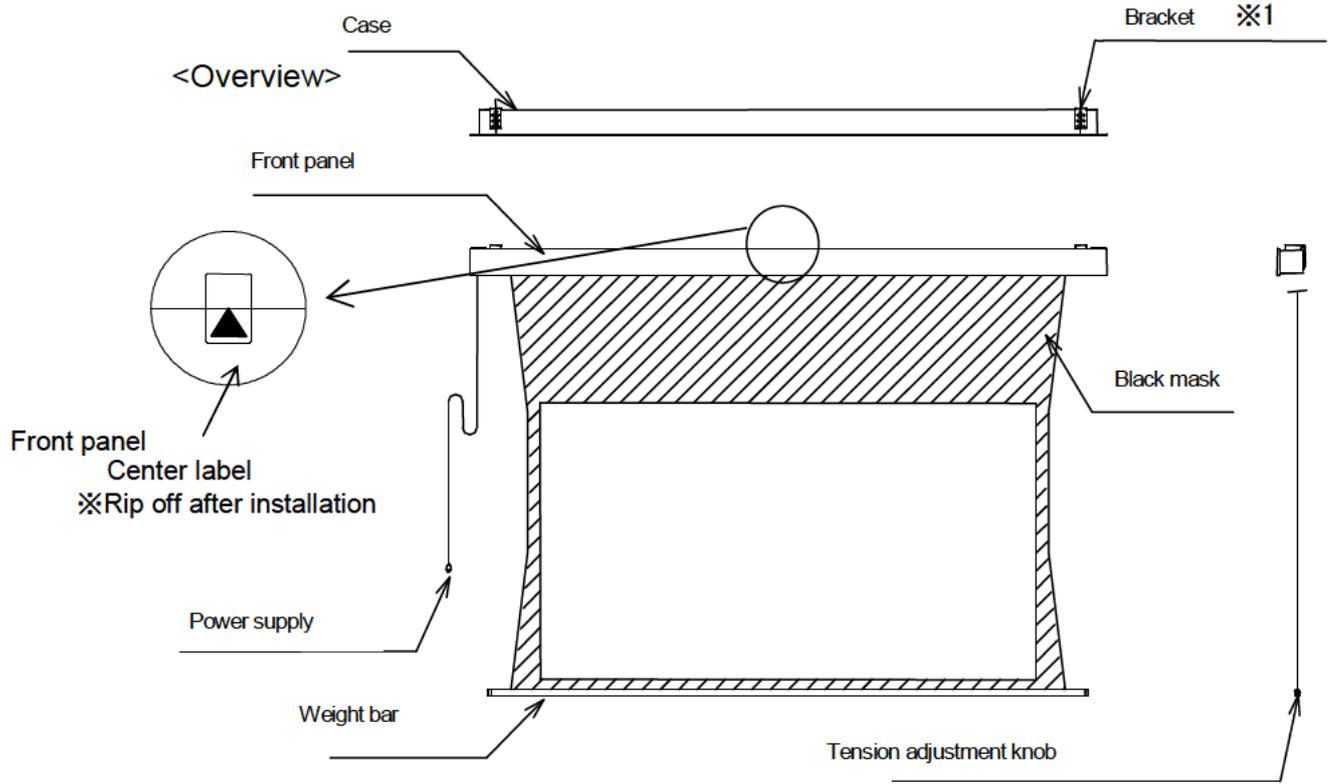
- Please do not install the screen at the following places to ensure the best performance and to avoid various troubles.
  - Place where vibration and impact might join
  - Near sources where magnetism, heat, steam, and lamp soot, etc. are available.
  - Place where heating equipment drives the wind
- Please install in accordance with the structure and the material of the location.
- Please place a blanket or a soft cloth underneath so that the product and the floor would not be damaged while setting up.
- When you screw, make sure that screws are not tightened insufficiently or too much.
- During installation, pay the great attention to peripheral security.
- Make sure the product is installed as horizontally as possible.
- Do not connect to the power supply until the installation work ends, and do not turn on the breaker.



### WARNING

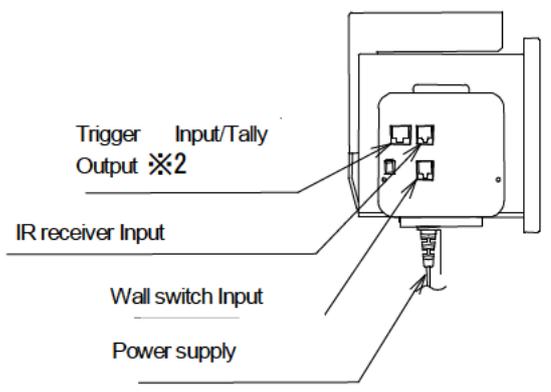
The mounting location of the screen shall possess adequate strength to provide support the screen so as to produce the best image quality. If using other weaker scaffolding, strengthening of the wall shall be needed. The inadequate support of the installed location is a major reason causing the screen or screen parts to fall off. Please refer to the screen weight & mounting distance.

# Construction & Wiring



Trigger Cable Assignment		
No.	Cable color	Assignment
1	Black	Trigger IN
2	Red	Trigger GND
3	Blank	Blank
4	Blank	Blank
5	Green	Tally GND
6	Yellow	Tally OUT

## <Left-side view>



Materials : Aluminum (Front panel, Case, Roller)/Steel( Case cap etc.)/Resin (Cap(ABS), Others(POM, PC))

- ※1 The drawing refers to the sliding brackets.
- ※2 The trigger input corresponds with the projector with trigger output( DC12V).  
The tally sends 5V output while operating, and displays the function status on the system controller.

# Installation

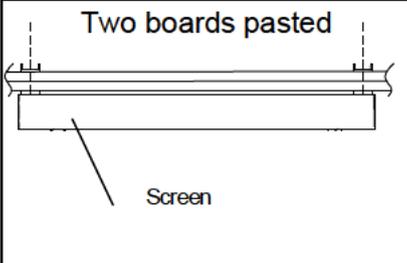
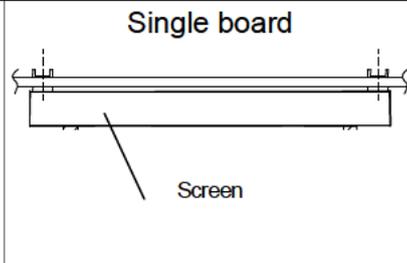
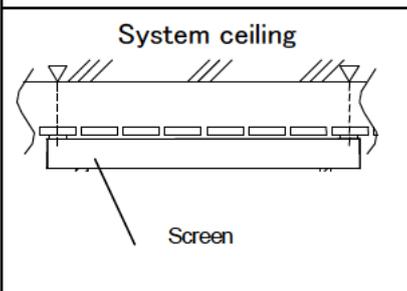
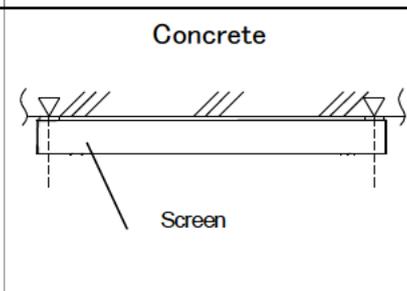
**Notice:**

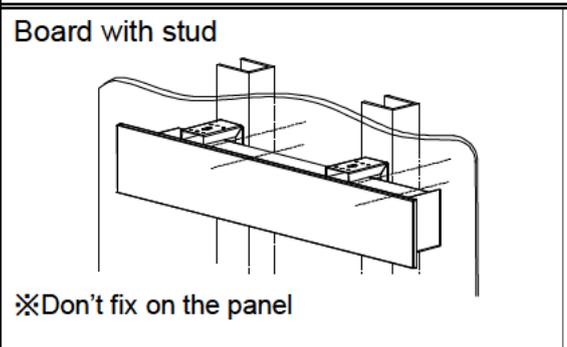
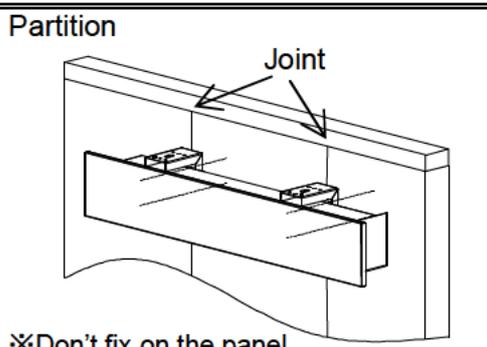
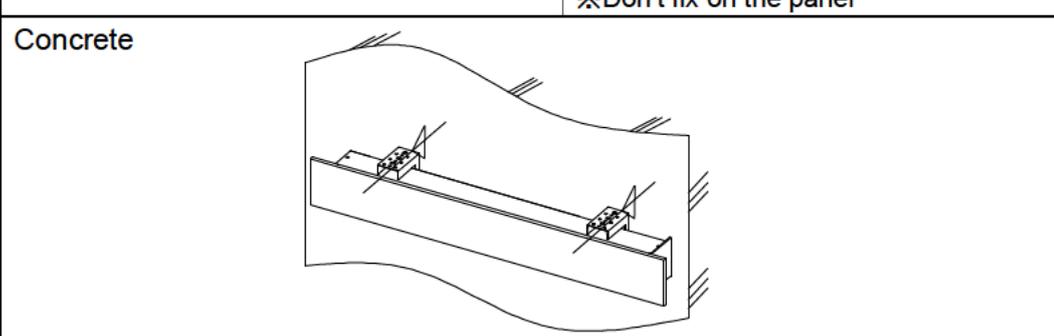
\*Strength that supports the weight of the screen for a long term is necessary for the installation. Please refer to P5-6 'The product weight and mounting distance'.

\*The table below is a typical example. For the construction that has not been described in this table, please install according to the environmental conditions.

\*Please prepare necessary parts to mount bolt and anchor separately according to the installation environment.

\*In case of side brackets, please refer to the status in ( ).

In case of the ceiling mount			
Ceiling construction		Installation	
		Anchor/bolt	Screw
 <p>Two boards pasted</p> <p>Screen</p>	 <p>Single board</p> <p>Screen</p>	○ (○)	○ (△※ <sup>1</sup> )
 <p>System ceiling</p> <p>Screen</p>	 <p>Concrete</p> <p>Screen</p>	○ (○)	× (×)

In case of the wall mount			
Wall construction		Installation	
		Anchor/bolt	Screw
 <p>Board with stud</p> <p>※Don't fix on the panel</p>	 <p>Partition</p> <p>Joint</p> <p>※Don't fix on the panel</p>	× (×)	○ (△※ <sup>1</sup> )
 <p>Concrete</p>		○ (○)	× (×)

※1 It is only mountable if the furring pitch coincides with the side bracket distance, and the ceiling can stand the weight of the screen for long use.

## Installation steps

Please read before installation.

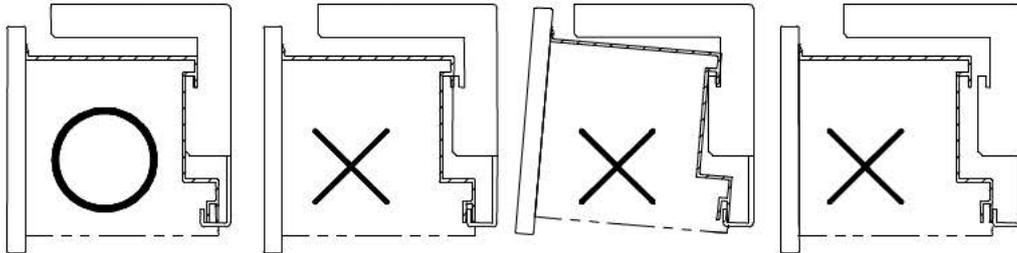


### WARNING

- Ensure the installation position is with adequate strength.
- Assemble the screen by two or more people
- Pay the great attention to peripheral security.
- Don't turn on the power or breaker until the installation finishes

● In case of the sliding brackets

※ Please put the tabs of the sliding brackets on the ditches of the case as shown in the drawing below. Moreover, please do not take the hand off unless you confirm the screen is firmly mounted on the brackets



	Anchor/bolt	Screw
To the ceiling	<p>※ Confirm the tab hangs to the ditch. (An example of the 2 boards pasted ceiling)</p>	<p>※ Confirm the tab hangs to the ditch (An example of single board ceiling)</p>
To the wall	<p>※ Confirm the tab hangs to the ditch</p>	<p>※ Confirm the tab hangs to the ditch</p>

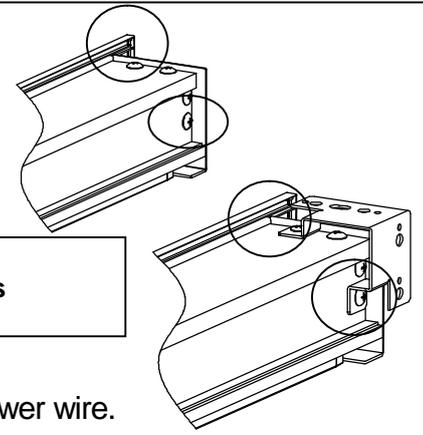
Notice : Please make ready all necessary tools and parts except those attached.

※1 Please refer to the 'Product Weight and mounting distance' on P4.

In case of the side brackets

Attach the side brackets to the case.

- 1. Take off the fixing screws attached to the case.  
(Two screws at left and right)
- 2. Use the -1 screws to attach the side brackets.



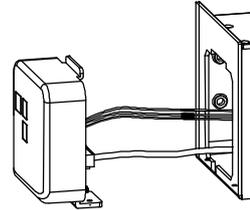
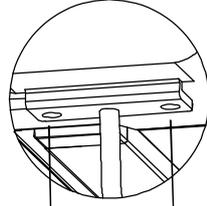
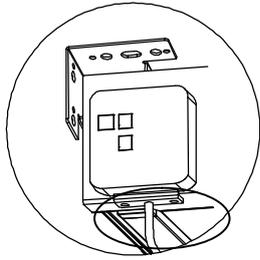
## WARNING

Don't turn on the power until the installation finishes

Take off the modular box and wires from the screen case.

- The wires can be pulled out. Push the lock and pull out the lower wire.

Be careful not to touch the circuit.



Take off the screws  
Be careful not to lose them

Take off the wires

Mounting the screen to the ceiling or wall.

	Anchor/Bolt	Screw
To the ceiling	<p>(An example of the 2 boards pasted ceiling)</p>	<p>Screw A (2 points left and right) (An example of the single board ceiling)</p>
To the wall	<p>(An example of the concrete wall)</p>	<p>Screw A (2 points left and right) (An example of the partition wall)</p>

Notice : Please make ready all necessary tools and parts except those attached.

1 Please refer to the 'Product Weight and mounting distance' on P4.

Connect the wires to the modular box, and mount it to the screen case.

- Refer to on this page for connecting wires, and fix the modular box with screws.

## Maintenance

- The replacement of the fabric: When the screen fabric is damaged, the fabric can be replaced. For details, please contact the dealer or distributor.  
For details on replacing the fabric, please refer to the attached manual of the replacement fabric.

## FAQ

Symptom	Check	Remedy
The projected image becomes inclined.	Is the screen mounted horizontally?	Check the mounting holes.
The screen does not operate.	Is power plug fixed to the mains correctly?	Fix the plug tightly.
	Is the remote controller directed to the receiver?	Direct the remote controller to the receiver.
	Anything blocking between the remote and receiver?	Take off the blocking item, or change the receiver position.
	Is the sun or inverter lights reflected on the receiver?	Change the position of the receiver.
	Batteries of remote low?	Change the two batteries in the remote.(AAA type)
	Is the heat prevention circuitry on?	Cool off the motor and operate again after 10-20 minutes.
	Is the receiver cable extended?	If the receiver cable is extended, it is easily affected by the noises. Any modifications on the product or the accessories would be subject to non-warranty.

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