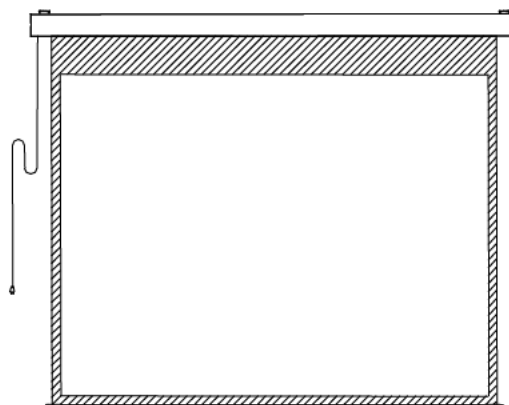


## User manual

### To our users

Thank you for purchasing our product.

- For installation of this unit, refer to the separate installation manual.
- Ask professionals to install if you do not have the tools, are not accustomed to work, do not know the strength of the installation site, or install on concrete.
- Please contact the dealer or us to inquire about a professional installer.



### Index

Safety precautions . . . . .	2~3
Handling / Installation precaution . . . . .	4
Configuration and wiring . . . . .	5
Preparation of receiver and remote controller . . . . .	6
How to use the screen . . . . .	7
Screen projection position . . . . .	7
Change the projection position . . . . .	8~9
Maintenance . . . . .	9
FAQ . . . . .	10

■ Thoroughly read this manual and use the product correctly. Keep it after using and read it whenever necessary.

## Safety precautions

For your safety, be sure to follow the items below.

This manual explains the following to be sure to obey in order to secure from harm and prevent the damage to the property of you and other people.

- The following symbols explain the stages of harm and damage that occur when the product is used incorrectly ignoring precaution details.



### WARNING

This icon indicates that may cause death or serious injury.



### CAUTION

This icon indicates that may cause serious injury or damage to the property.

- The following symbols are used to classify and explain the contents to be obeyed.



This icon indicates "prohibited" contents that must not be done.



This icon indicates "necessary" contents that must be done.



### WARNING



**Be sure to perform installation work with two or more workers.**

The product may fall over or be damaged.

It is also very dangerous as it may cause death or serious injury.



**Ensure the strength of the installation area considering long-term use.**

Not only the product is fall down and damaged, but it may cause death or serious injury, which is extremely dangerous.



**If you notice an abnormality such as smoke, heat generation, a nasty smell, or a noise, disconnect the power plug.**

It is very dangerous as it may cause electric shock, short circuit or fire, resulting in death or serious injury.

- Stop using and contact the dealer or us.



**Do not pull the power cord, hold the power plug and pull it out.**

It is very dangerous as it may cause electric shock, short circuit or fire, resulting in death or serious injury.



**Insert the power plug securely.**

It is very dangerous as it may cause electric shock, heat generation, short circuit or fire, resulting in death or serious injury.















**Remove dust from the power plug regularly.**

Dust on the power plug can cause a fire as moisture can cause insulation failure.

- Unplug and wipe off the dust with a dry cloth.

## **WARNING**

	<p><b>In the case foreign material (metal fragments, water, liquid) gets inside the unit, stop using it and disconnect the power plug.</b></p> <p>It is very dangerous as it may cause electric shock, short circuit or fire, resulting in death or serious injury.</p> <ul style="list-style-type: none"> <li>● Stop using and contact the dealer or us.</li> </ul>
	<p><b>Disconnect the power plug when the product is not in use for a long time.</b></p> <p>An electric leak may cause a fire.</p>
	<p><b>Replace both batteries with new ones at the same time.</b></p> <p>Mixing and using old batteries may cause heat generation, liquid leakage, or damage.</p>
	<p><b>Do not use around a heat source such as a heater.</b></p> <p>The screen is flammable. It is very dangerous as it may cause burnout or fire.</p>
	<p><b>Do not disassemble, repair or remodel the product or its parts.</b></p> <p>It is very dangerous as it may cause electric shock, short circuit or fire, resulting in death or serious injury.</p> <ul style="list-style-type: none"> <li>● Contact your dealer or us and ask to repair.</li> </ul>
	<p><b>Do not hang on to the screen or not hang anything on it.</b></p> <p>It is very dangerous as it may cause damage to the unit, resulting in death or serious injury.</p>
	<p><b>Do not pull out the screen by force.</b></p> <p>It is very dangerous as it may cause damage or falling of the unit.</p>
	<p><b>Do not touch the power plug when you hear thunder.</b></p> <p>It is very dangerous as it may cause electric shock, short circuit or fire, resulting in death or serious injury.</p>
	<p><b>Do not connect or disconnect the power plug with wet hands.</b></p> <p>It is very dangerous as it may cause electric shock, short circuit or fire, resulting in death or serious injury.</p>
	<p><b>Do not damage the power cord or power plug.</b></p> <p>It is very dangerous as it may cause electric shock, short circuit or fire, resulting in death or serious injury.</p>
	<p><b>Do not connect the power plug during installation work.</b></p> <p>It is very dangerous as it may cause electric shock, resulting in death or serious injury.</p>

	<p><b>CAUTION</b></p> <p>Do not use a wet cloth, chemicals such as benzene or thinner onto the screen surface. It may damage the projection effect.</p>
---	---

## Handling precautions

- This product has a special treatment on the screen surface to enhance the projection effect. Note the following points and handle them carefully, as dirt and scratches may damage the projection effect.
  - Do not touch the screen surface.
  - Do not draw characters or pictures on the screen surface.
  - Do not rub or scratch the screen with a hard object.
  - For maintenance the screen, refer to the included manual "Screen materials".
- The screen smells when you start using it. Ventilate the room enough by opening windows. Ventilation lessens the odor gradually. If there is a strong odor, keep ventilating with pulling the screen out even when the screen is not used.
- Note the following points when you are moving up and down the screen.
  - If you move up and down continuously, the motor overheat protection device will work and stop. In this case, leave for a while (10 to 20 minutes) for cooling before operating. (※This is not failure)
- Do not place any obstacles or fragile objects within the moving range of this unit.
  - It causes damage to the unit and placed items.
- Keep sharp blades or sharp metal objects away from the screen.
  - Not only it impairs the projection effect, but it causes damage.
- Be sure to store the screen in the case after use.
  - If you keep the screen pulled out for a long time, the quality of the screen material may deteriorate.
- For the unit with a tab tension mechanism, do not pull the string by force and keep sharp blades away.
  - If you keep the screen pulled out for a long time, the quality of the screen material may deteriorate.

■ We are not responsible for any accidents or damages caused by improper handling or natural disasters.

## Installation precaution

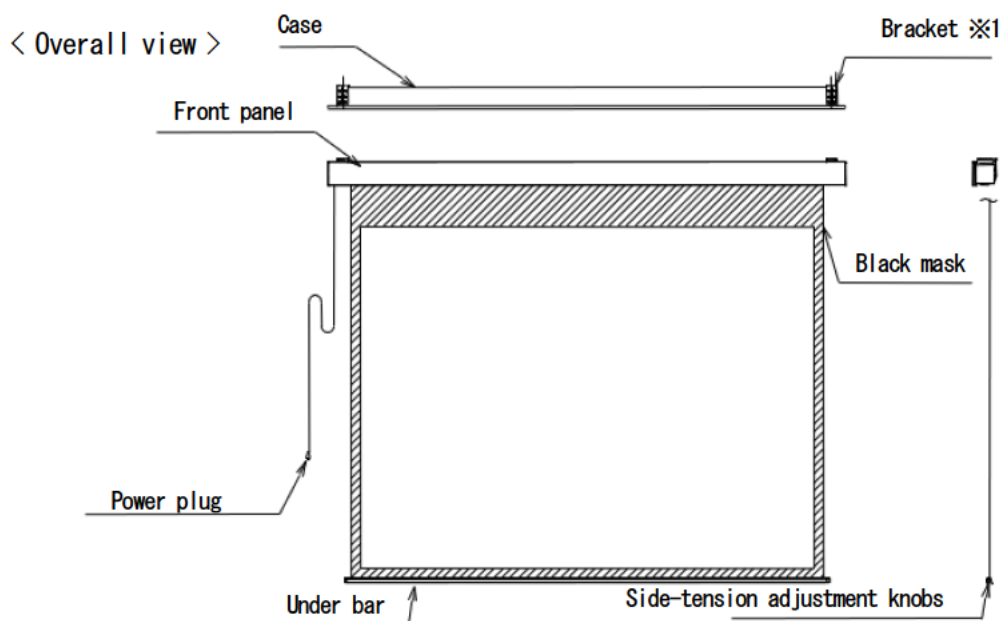
- To ensure the performance of the electric projection screen and prevent troubles, do not install it in the following locations.
  - Places where vibration or shock may occur.
  - Places near sources of magnetism, heat, steam, oily smoke, etc.
  - Places where hit the wind from heating equipment.
- Install according to the structure and material of the installation area.
- Use a soft blanket or cloth to prevent the product or floor from being scratched during installation work.
- Be careful not to lose tighten or over tighten the screws.
- When installing, pay sufficient attention to ensure the safety for surrounding.
- When working at high places, ensure the safety of your scaffolding and wear protective equipment properly before starting work.
- Install the product as horizontally as possible.



### **WARNING**

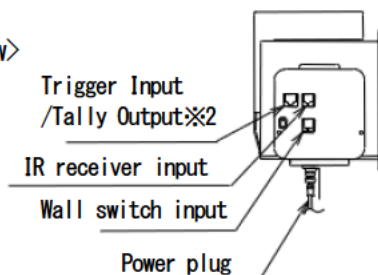
- The installation surface of this machine must be strong enough to support the screen mass for a long time. If the installation surface is not strong enough, the machine may fall off.
- Be sure to perform installation work with two or more workers.
- Do not connect the power plug during installation work.

## Configuration and wiring



< Left-side view >

Trigger cable assignment		
No.	Cable color	Assign
1	Black	Trigger IN
2	Red	Trigger GND
3	NC	NC
4	NC	NC
5	Green	Tally GND
6	Yellow	Tally OUT



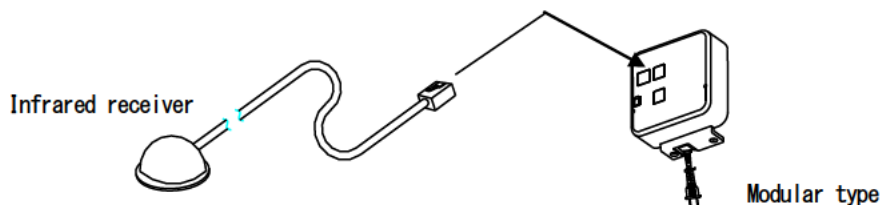
※1 This figure is in the case of sliding bracket.

※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.

## Preparation of receiver

**Be sure to turn off the power before connecting to the screen.**  
It may cause product failure or electric shock.  
**Be sure to insert the plug of the infrared receiver securely.**  
Incomplete insertion may cause failure.

1. Insert the modular plug of the infrared receiver into the modular jack.



2. Wipe off dust, dirt, water, oil, moisture, etc. from the application location, peel off the release paper from the adhesive pad on the back of the infrared receiver, and securely attach it to the location (within the lead wire range) where the remote controller signal directly hits. Install it in a place that avoids direct sunlight.

### Notification

- If the reception sensitivity is poor due to direct sunlight, change the position of the infrared receiver.
- Depending on the location, it may not be able to be pasted.
- If the pad loses its adhesive strength, use the attached adhesive pad.

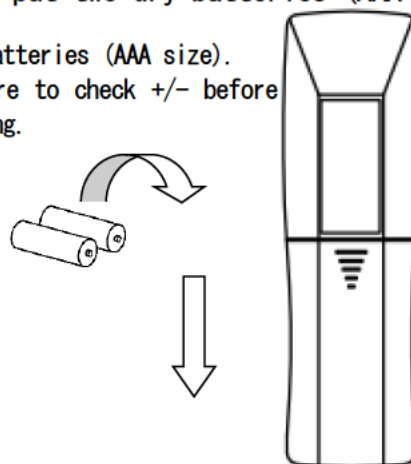
## Preparation of Remote controller

Pull out the rear cover of the remote controller and put two dry batteries (AAA size).

### Dry batteries

- Change both two batteries to the new ones when the signal is weak.
- Take out all the batteries when you do not use it for long to avoid the liquid leakage damage.
- Do not use rechargeable batteries.

Dry batteries (AAA size).  
Be sure to check +/- before putting.



### Remote controller

- Use the remote controller carefully. Do not drop, throw away, or put water on it, or it may cause the failure.
- Operate it to the direction of the infrared receiver.

## How to use the screen

### ■ Storing the screen

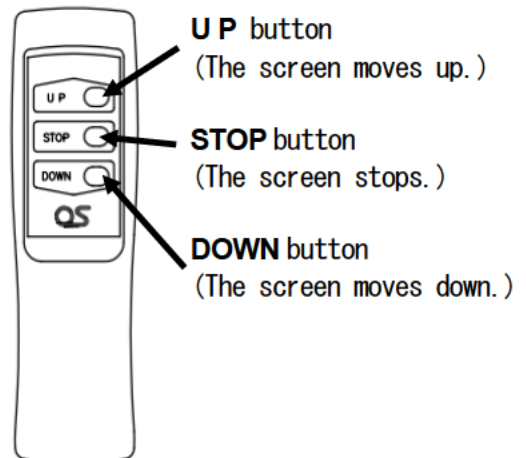
Push the [UP■] button on the remote controller.  
The screen is rolled up and stored, and stops automatically.

### ■ Stopping the screen

Push the [STOP■] button on the remote controller.  
It stops at the position when you press the button.

### ■ Deploying the screen

Push the [DOWN■] button on the remote controller.  
The screen is moving down to the prescribed position and stops automatically.



※ To change the projection position setting, refer to "Changing the projection position" on this manual.

## Screen projection position

In order to maximize the function of achieving a more uniform flatness of the projection surface, we recommend that you lift down the screen to the lower limit automatic stop position set at the factory.

There is no safety problem if you use the screen stopped halfway, but the flatness function may not be fully exerted.



## Change the projection position

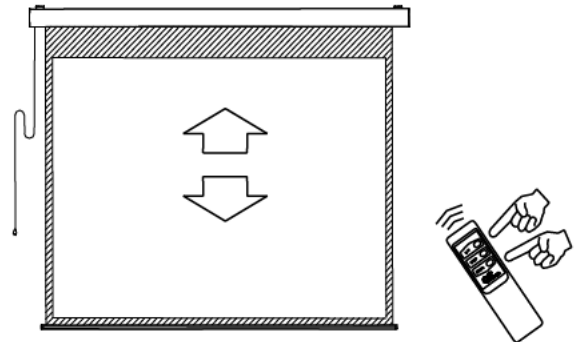
- The projection position can be changed by IR remote controller and/or wall embedded switch.

The following drawings show how by the IR remote controller

### ● To lift up the projection position

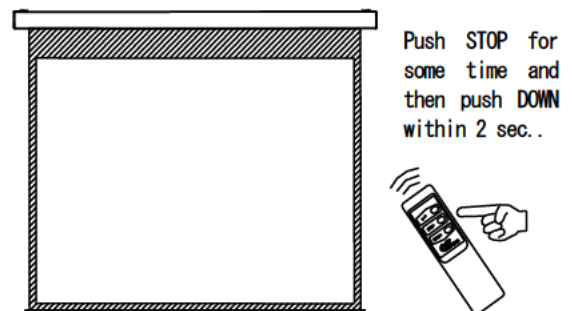
#### ① Stop at the desired position.

Use [UP] • [DOWN] buttons and push [STOP] button at the desired position.



#### ② Memorizing the position

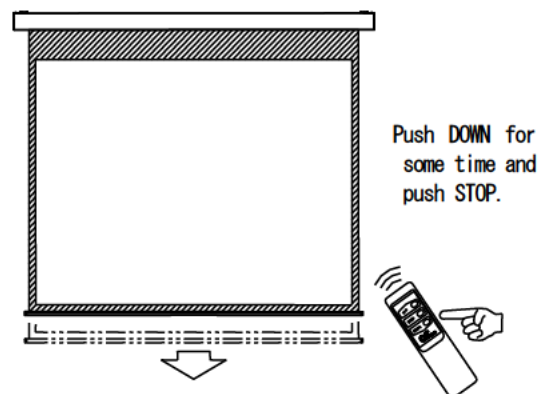
- At the desired position, press and hold the [STOP] button (approx. 5 seconds), and then release the [DOWN] button within 2 seconds.
- Upon receiving the signal, the screen moves up approx. 10cm, and then stops at the preset position.



### ● To lift down the projection position

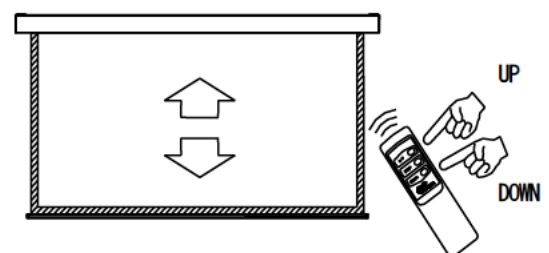
#### ① Deploy the screen

Push [DOWN] button (approx. 5 seconds)  
And the screen starts to come down from the preset position. Push [STOP] button.



#### ② Stop at the desired projection position.

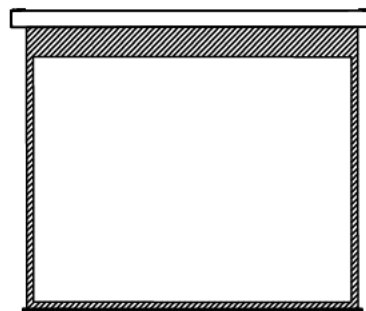
Use [UP] • [DOWN] buttons and Push [STOP] button at the desired position.





### ③ Memorizing the position

1. At the desired position, press and hold the [STOP■] button (approx. 5 seconds), and then release the [DOWN■] button within 2 seconds.
2. Upon receiving the signal, the screen moves up approx. 10cm, and then stops at the preset position.



Push STOP for  
some time and  
push DOWN.



**※NOTICE** If the [DOWN■] button pushed for some time and left, the screen comes to the factory setting position and stops.

The screen cannot be lower than this position.

## Maintenance

- About the screen surface replacement
  - When the screen material is damaged, only the screen material can be replaced.
  - For screen material replacement, please contact your dealer.
  - For detailed replacement instructions, refer to the instructions attached with the replacement screen.

## FAQ

Symptom	Check	Remedy
The projected image becomes inclined.	Is the screen installed horizontally?	Check the installation position again.
The screen does not operate.	Is the power plug securely inserted into the outlet?	Insert the power plug into the outlet.
	Is the remote controller directed to the infrared receiver?	Direct the remote controller to the infrared receiver.
	Is anything blocking between the remote and receiver?	Take off the blocking item, or change the receiver position.
	Is the light of the sun or lighting reflected from the infrared receiver?	Change the position of the infrared receiver.
	Are the dry batteries of the remote controller exhausted?	Change both two batteries to the new ones. (AAA size)
	Is the motor overheat prevention device activated?	Leave for a while (10-20 min.) to cool the motor before operating.
	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.
	Is the projection position memorized at the restored position?	Push [DOWN] button for some time and release the memory. Refer to the details at P8 "Change the projection position".

製造元

**OSM CO.,LTD.**

本社

〒671-2513 兵庫県宍粟市山崎町梯 278 番 3 号

輸出元

**OSI CO.,LTD.**

20th Floor, Wah Hing Commercial Building,

283 Lockhart Road, Wanchai, Hong Kong


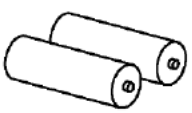


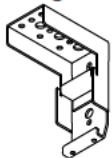
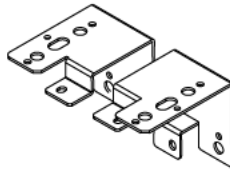


Phone: +852-3580-0087

Fax: +852-2367-4300

e-mail : info-hk@os-worldwide.com

## Accessories

■ Be sure to check before installation.

For operation	Screws, etc.
<b>Infrared remote control</b>  Infrared remote controller ×1  AAA batteries ×2  Infrared receiver ×1  Adhesive pad (spare) ×1	<b>&lt;80~120 model&gt;</b> Sliding bracket ×2   Side bracket ×1set Screw A Cross recessed truss tapping screw (4×40) ×6  Screw B Cross recessed truss tapping screw (4×12) ×4  <b>&lt;130~140 model&gt;</b> No attached screw. Side bracket is included in the product.

## Hole pitch

■ Be sure to check before installation.

	Size (inch)	Length (mm)	Height (mm)	Sliding bracket Hole pitch (mm)	Side bracket Hole pitch (mm)
HD Type (16:9)	80	2304	2223 2217	Hole pitch 1850±200 (for wall or ceiling)	2245
	90	2525	2223 2217	Hole pitch 2071±200 (for wall or ceiling)	2466
	100	2747	2223 2217	Hole pitch 2293±200 (for wall or ceiling)	2688
	110	2968	2223 2217	Hole pitch 2514±200 (for wall or ceiling)	2909
	120	3190	2223 2217	Hole pitch 2736±200 (for wall or ceiling)	3131
	130	3411	2248	No settings	3352
	140	3632	2248	No settings	3573

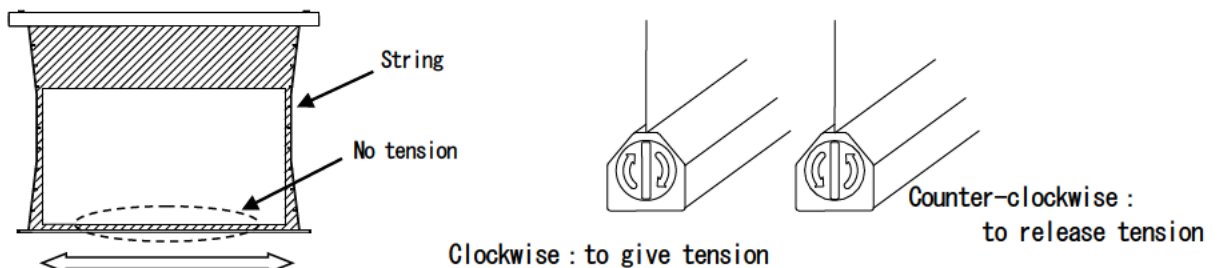
Height ・Upper : In the case of using sliding bracket.  
 ・Lower : In the case of using side bracket.

## Function

① If for any reason the tension around the under bar area is loose, you can adjust the tension using the tension adjust knobs.

- Do not turn the knobs more than three rounds, clockwise or counter-clockwise.  
NOTICE : If you turn it too much, the flatness may be damaged.
- If you give too much tension, turn the adjust knob counter-clockwise to loosen the tension. Readjust after leaving for a few days.

※NOTICE※ Do not pull the string when using the tension adjust knobs.



② The left and right strings and tabs prevent the edge of screen material from warping.

- The string tension in the left and right is set at the factory. (No adjustment required)

※NOTICE※ Forcibly pulling on the string may cause damage of flatness.

