




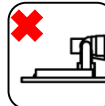
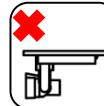
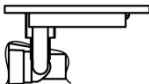







Part No.	MS-V6193MB-WB/BB • MS-V6293MB-WB/BB • MS-V6393MB-WB/BB MS-V6493MB-WB/BB • MS-V6593MB-WB/BB • MS-V6A83MB-WB/BB
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To the Customer	Read this Instruction Manual thoroughly before you use the product to ensure correct and safe use. Store this Instruction Manual in a safe place.
To the Subcontractor	Read this Instruction Manual thoroughly before performing work to ensure correct and safe work. Be sure to hand this Instruction Manual over to the customer.

## Safety Precautions

 <b>WARNING</b>		This symbol indicates that there is the risk of death or serious injury if the product is improperly handled.	
 STRICTLY OBSERVE	<b>Be sure to install the apparatus securely by following the Instruction Manual.</b> Defective installation of the apparatus may result in fire, electric shock or falling.	 PROHIBITED	<b>Use only the indicated power voltage (100-240VAC) for this apparatus. Do not use a power supply with a different voltage.</b> Failure to heed this warning may result in fire, electric shock or falling.
	<b>This apparatus is exclusively for ceiling attachment (wiring duct installation type). Do not install at any other locations.</b> Failure to heed this warning may result in fire, electric shock or falling. [Examples of unacceptable installations:]     <u>Tilted locations</u> <u>Wall surfaces</u> <u>Floor surfaces</u> <u>Locations without reinforcements</u> <u>Locations without a wiring duct</u> <b>Please do not use in the location where the wiring duct can't be securely fixed or where the wiring duct isn't fixed.</b>		<b>Do not cover the apparatus with cloth, paper or other materials during use. (See figure.)</b> Failure to heed this warning may result in fire. 
	 PROHIBITED	 STRICTLY OBSERVE	<b>If you notice any abnormalities, immediately turn the power OFF, and contact your dealer or electric subcontractor.</b> Leaving this apparatus in this condition may result in fire, electric shock or falling.
 DO NOT DISASSEMBLE	<b>Do not disassemble or remodel this apparatus, or add or modify parts before use.</b> Failure to heed this warning may result in fire, electric shock or falling.		<b>Ensure at least 30 cm of space between the apparatus and irradiated objects.</b> Failure to heed this warning may result in fire or discoloration or falling of irradiated objects.
			<b>This product cannot be used together with light controls and other dimmers.</b> Failure to heed this warning may result in fire, electric shock or falling.

 <b>CAUTION</b>		This symbol indicates that there is the risk of injury or damage to property.	
 STRICTLY OBSERVE	<ul style="list-style-type: none"> <li>● <b>Be sure to turn the power OFF before performing daily care or maintenance.</b> Failure to do so may result in electric shock or burns.</li> <li>● <b>This apparatus is for general indoor use only. It is not waterproof. Do not use this apparatus in locations subject to:</b> <ul style="list-style-type: none"> <li>- direct sunlight</li> <li>- high humidity</li> <li>- vibrations</li> <li>- direct splash of rain</li> <li>- corrosive gas.</li> </ul> </li> </ul> Failure to heed this caution may result in fire, electric shock or this apparatus falling.		
	<ul style="list-style-type: none"> <li>● <b>Use the product within an ambient temperature of 0 to 35°C. Do not use this apparatus outside of this ambient range.</b> Failure to heed this caution may result in fire, electric shock or falling.</li> <li>● <b>Do not put your finger in the clearance of the moving part.</b> It may cause injury.</li> <li>● <b>Do not place stoves, gas ranges or other heat generating objects under this apparatus.</b> Failure to heed this caution may result in fire.</li> <li>● <b>Do not look directly into the LED.</b> Doing so may cause eye pain, loss of sight or other ailments.</li> <li>● <b>Please note that light intensity may be uneven depending on the irradiated surface and when the irradiated object is nearby.</b></li> <li>● <b>The service life of the lighting apparatus is limited.</b> <ul style="list-style-type: none"> <li>• After 8 to 10 years of installation of this apparatus, internal deterioration is progressing even if there is no abnormality in its external appearance.</li> <li>*Operating conditions are 30°C and 10 hours of lighting per day.</li> <li>• Even if the LED light source has reached the end of its service life and has grown dim, it sometimes still continues to light.</li> <li>• The lifetime of the apparatus become shorter when used in hot ambient temperature or had long hours of lighting.</li> <li>• This apparatus shall be inspected by a professional, such as an electrical subcontractor, once every three years.</li> <li>• In the rare instances when the apparatus is continued to be used for a long time without inspection, it may cause emission of smoke, ignition or electric shock.</li> </ul> </li> <li>● <b>Do not place the position marker in location subject to: direct sunlight or near heating equipment where the temperature and humidity gets high and dusty places. It may result in fire or electric shock.</b></li> <li>● <b>Carry out periodic inspection to prevent the wiring duct to fall off due to vibration caused by the operation of the apparatus.</b></li> </ul>		

- The service life of the light source for the LED lighting apparatus is 36,000 hours. (This is different from the service life of the LED lighting apparatus.)  
The service life of the light source is an estimate based on the total lighting time until it stops lighting or the total lighting time until the total luminous flux drops to 70% of the initial lighting, whichever is shorter.
- The built-in module (chip) incorporated in this apparatus is approved as a low-power data communication system in accordance with the Radio Act of Japan.  
Therefore, it is not necessary to have a radio station license to use the built-in module in this instrument. However, disassembly or remodeling of the apparatus is prohibited.

## Specifications

- Exclusively for indoor use
- Exclusively for ceiling attachment (wiring duct installation type)
- LED light cannot be replaced

Part No.	MS-V6193MB-WB/BB	MS-V6293MB-WB/BB	MS-V6393MB-WB/BB	MS-V6493MB-WB/BB	MS-V6593MB-WB/BB	MS-V6A83MB-WB/BB
Type	Dimming					Tone
Light Distribution Range	9 to 34°					14 to 40°
Rated Voltage	AC100 - 240V					AC100 - 240V
Frequency	50/60Hz					50/60Hz
Power Consumption	55W (60W at motor operation)					55W (60W at motor operation)
Input Current	0.57A (0.62A at motor operation)					0.57A (0.62A at motor operation)
Body Color	White (WB) / Black (BB)					White (WB) / Black (BB)
Light Source Color	Daylight White (5000K) Ra93	Cool White (4000K) Ra93	Soft White (3500K) Ra93	Warm White (3000K) Ra93	Warm White (2700K) Ra93	Warm White – Daylight White (2700K-5000K) Ra83
Apparatus Weight	3.8Kg					3.8Kg

## Precautions Before Installation

Ensure that the installation area is strong enough to hold the total weight of the apparatus (3.8 kg per unit). Also, make sure that the wiring duct is not loose.

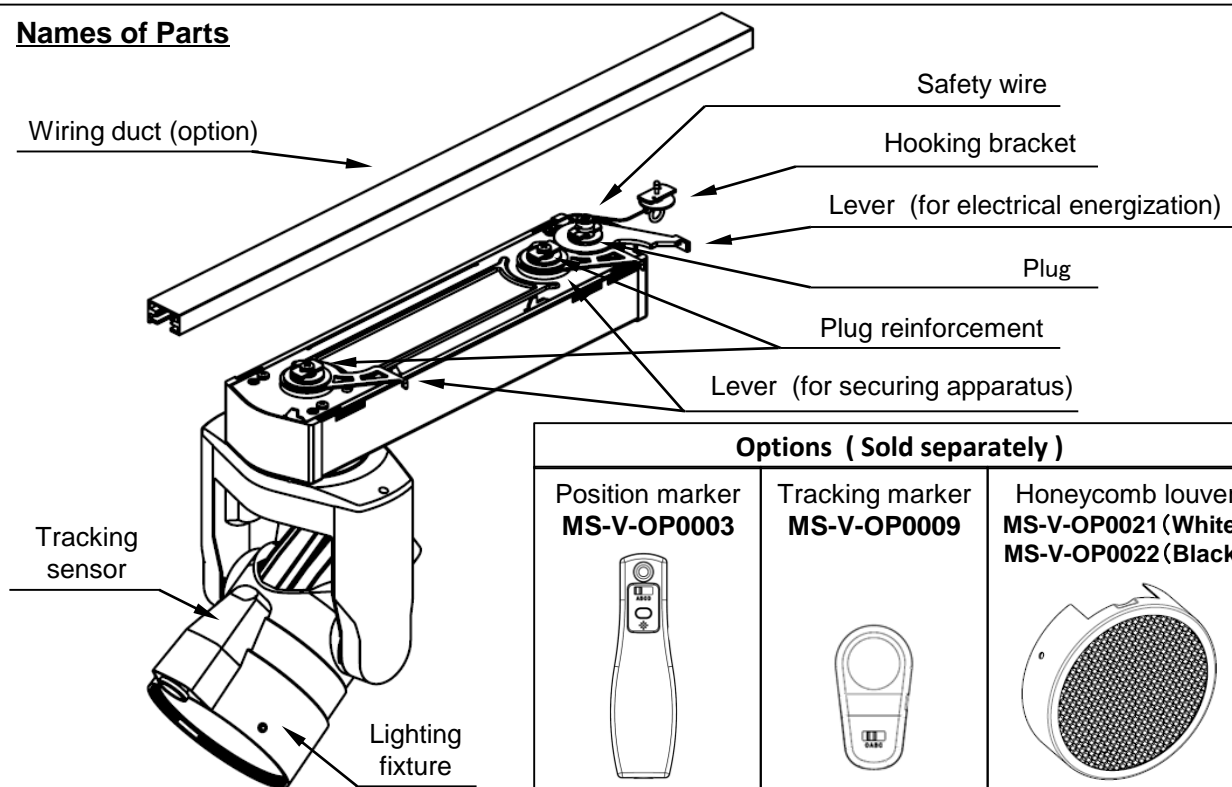
### • Load capacity of the wiring duct :

When attaching the apparatus, MS-V6 (approx. 3.8 kg per unit), ensure the load bearing capacity of the wiring duct and consider how many apparatuses to attach.

### • Rated current of the wiring duct :

The number of lighting fixtures to be installed in one circuit shall not exceed the rated current of the wiring duct.

## Names of Parts



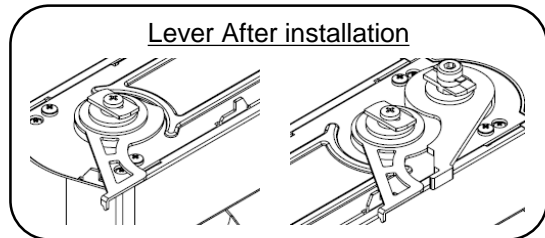
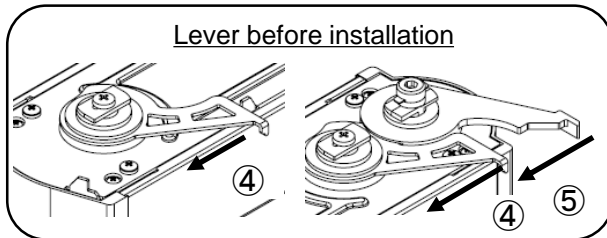
## Installation Procedure

### 1. Install the apparatus to the wiring duct.

- ① Make sure that the power supply to the wiring duct is OFF.
- ② Check the positions of the lever (for electrical energization) and lever (for securing apparatus).
- ③ Insert the plug and the two plug reinforcements into the wiring duct opening.
- ④ Operate the two levers (for securing apparatus) to move them in the direction of the arrow.  
\* Make sure that the apparatus is securely attached.
- ⑤ Operate the lever (for electrical energization) to move it in the direction of the arrow.



**Defective installation of the apparatus may result in fire or falling.**

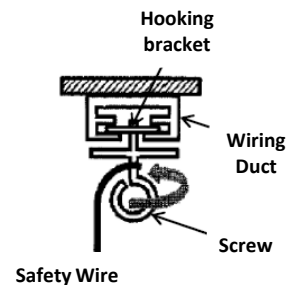


### 2. Install the optional safety wire

- ① Insert the hooking bracket to the wiring duct opening.
- ② Turn the screw as caught bracket is about 90° to the duct.
- ③ Turn the screw securely tightened.
- ④ Turn on the power of the duct, and ensure that the lamp is illuminated.



**Defective installation may result in fire or falling**



### 3. Connecting the remote control to the apparatus

- The following are required separately to use the apparatus:  
One of iPhone/iPad/iPod touch (supported OS: iOS7 or later)  
or One of the Smart phone / Tablet (supported Android)
- Operate the apparatus by using the exclusive application installed on the remote control.  
\* Not possible to operate when the power of the apparatus is OFF.
- Download the application from the following URL or by using the QR code.

App Store : <http://appstore.com/salio>

Google Play : <http://play.google.com/store/apps/details?id=jp.co.minebea>



For iOS

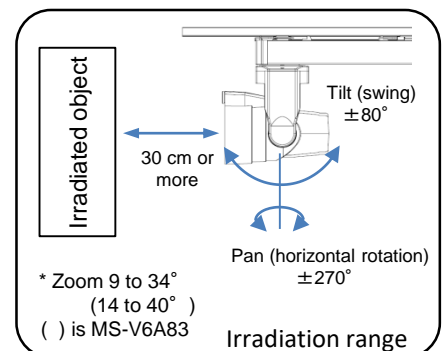


For Android

- For details, refer to the of Instruction Manual for the app (in app).  
\* When installing the apparatus, use the remote control to return it to its home position.  
(For details on how to perform a home return, refer to the Instruction Manual for the app.)  
\* The brightness when the power is turned ON is the brightness level before the power was turned OFF.  
At purchase, it is set as the maximum brightness level.  
\* Radio equipment  
This product uses model: WML-C75, certification number: 011-130089.

### 4. The distance between the apparatus and the object

- Depending on the irradiation distance, the irradiation surface may be discolored or degenerated.  
The distance between the apparatus and the object to be irradiated should be at least 30cm.



## Removal Procedure

- ① Cancel the connection between the remote control and the apparatus if necessary.
- ② Make sure that the power supply to the wiring duct is OFF.
- ③ From here on, follow the installation procedure in reverse to remove the apparatus from the wiring duct.
- ④ Move the lever (for electrical energization) to the opposite side.
- ⑤ Move the two levers (for securing apparatus) to the opposite side, and remove the apparatus.

## **Precautions for Use**

- LED light cannot be replaced
- Do not look directly into the LED
- LED light varies from product to product. Even with the same Part No., color and brightness may differ.
- Use radio, TV or infrared remote control type equipment away from lighting equipment.  
Noise may enter or equipment may not function properly.
- When using the position marker (option) for tracking, malfunction may occur when there is a strong sunlight or multiple infrared emission points.  
Also, as it tracks infrared light, tracking does not function properly when infrared light is shielded.
- Caution about mechanical motions:  
Operation time for each function -PAN, TILT, ZOOM is limited.  
Possible to operate each function simultaneously.  
Please use those functions under the condition of "operating time : standstill time = more than 1 : 4".  
Insufficient standstill time may shorten the life of a motor.  
When using a tracking mode, the maximum for PAN, TILT, ZOOM to operate continuously shall be 2 hours a day. The lighting fixture needs to have standstill time of 8 hours after this.  
Do not operate ZOOM more than 60 times (30 sets) continuously.  
<Example>
  - 1 min. of PAN movement → more than 4 min. of standstill time.
  - 10 sec. of TILT movement → more than 40 sec. of standstill time.
  - 5 min. of PAN, TILT and ZOOM → more than 20 min. of standstill time.
- Setting for "Tilt Brake":  
The irradiation position may shift while lamp-off if the Tilt Brake setting is set to "Brake-off".  
Chose "Brake-on" to prevent from the shift. "Tilt Brake" is able to set by the application. The default setting is set to "Brake-on".

## **Daily Care and Maintenance of the Apparatus**



**Be sure to turn the power OFF before performing daily care or maintenance on this apparatus. Failure to do so may result in electric shock or burns.**

- To ensure safe use, clean and inspect the apparatus once every six months.
- Wipe off dirt from the apparatus with either a soft, dry cloth or a firmly squeezed soft cloth moistened with diluted neutral detergent. Do not wipe with volatile solvents such as thinner or benzene and do not spray pesticide. Doing so may cause discoloration, degeneration or malfunction.

## **Guarantee**

- This product is guaranteed for one year from the date of purchase.
- The following cases are not eligible for warranty: continuous movement of zoom, continuous operation of pan and tilt more than 2 hours a day.
- The guarantee shall be half of the above period if the product is used for long hours exceeding 20 hours per day, such as 24-hour continuous operation.
- If a Warranty is required, contact the Points of Contact below.

## **Repair**

- If you notice any abnormalities arising during use, immediately stop use, turn the power OFF, and contact the point of contact below

## **Contact Information**

**TEL : +81-3-6758-6711**

**From Monday to Friday / 9:00-17:00 (excluding Saturdays, Sundays, Japanese Holidays, New Year Holidays, Company holidays)**

Smart Products BU, Tokyo Head Office,

MinebeaMitsumi Inc.

3-9-6 Mita, Minato-ku, Tokyo 108-8330

**TEL : +1-248-919-2241**

NMB Technologies Co., USA

**TEL : +49-6103-913-226**

NMB-Minebea-GmbH Europe