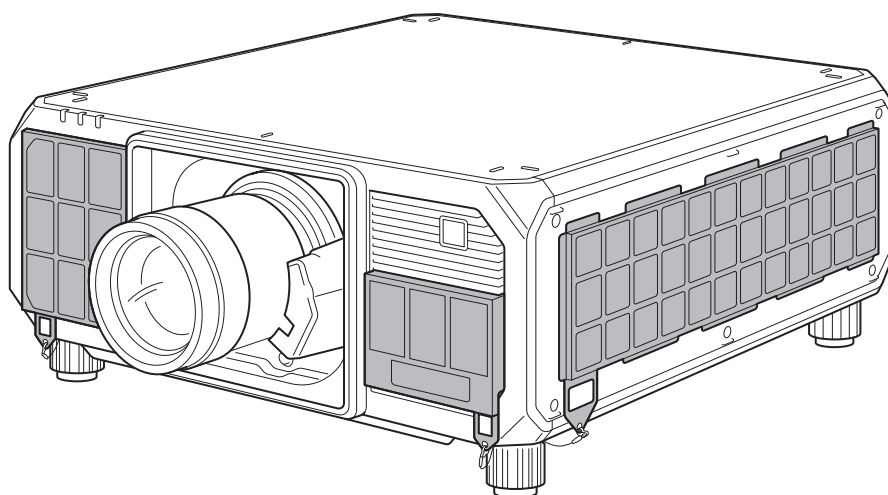


## Operating Instructions

Air filter Commercial Use

Model No. **ET-EMF720DK**  
**ET-EMF720DP**



ENGLISH

FRANÇAIS

日本語

Thank you for purchasing this Panasonic product.

- Carefully read through these Operating Instructions and the operating instructions of the projector to ensure safe and proper operation.
- **Before using this product, be sure to read “Read this first!”** (👉 page 2).
- Please save this manual for future use.
- Use this product for the PT-HTQ20.
- ET-EMF720DK: Filter Kit  
ET-EMF720DP: Filter Pack



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**Read this first!**

Always follow these precautions

**CAUTION:**

Before attaching or replacing the filters, be sure to turn off the power and disconnect the power plug from the outlet.

- Failure to do so may cause electric shock.

# Before Use

## ■ Product list

|                                      |                                              |
|--------------------------------------|----------------------------------------------|
| Filter Kit (Model No.: ET-EMF720DK)  | Filter Installation Kit (1 set)              |
| Filter Pack (Model No.: ET-EMF720DP) | Replacement Filter for ET-EMF720DK (10 sets) |

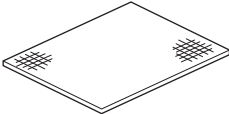
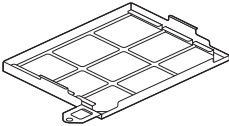
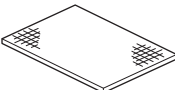
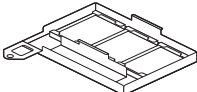
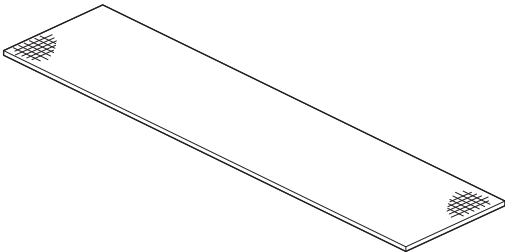
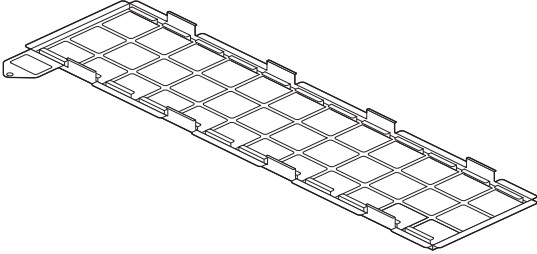
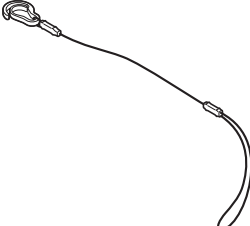
## ■ Compatible projectors

PT-HTQ20

## ■ Components list

Please make sure the following parts are included.

The components and quantity may vary depending on the product. Numbers enclosed in < > show the number of components.

|                                                                            |                                                                                     |                                                                                                                              |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Front filter 1<br>(DPHS1061ZA/X1)<br>ET-EMF720DK: <1><br>ET-EMF720DP: <10> |    | Filter to attach to the front of the projector unit.<br>This will remove the dirt and dust from the external air.            |
| Front filter cover 1<br>(DPMH2510ZA/X1)<br>ET-EMF720DK: <1>                |    | Metal fitting to attach the front filter 1 to the front of the projector unit.<br>* It is not included with the ET-EMF720DP. |
| Front filter 2<br>(DPHS1062ZA/X1)<br>ET-EMF720DK: <1><br>ET-EMF720DP: <10> |   | Filter to attach to the front of the projector unit.<br>This will remove the dirt and dust from the external air.            |
| Front filter cover 2<br>(DPMH2511ZA/X1)<br>ET-EMF720DK: <1>                |  | Metal fitting to attach the front filter 2 to the front of the projector unit.<br>* It is not included with the ET-EMF720DP. |
| Side filter<br>(DPHS1063ZA/X1)<br>ET-EMF720DK: <1><br>ET-EMF720DP: <10>    |  | Filter to attach to the side of the projector unit.<br>This will remove the dirt and dust from the external air.             |
| Side filter cover<br>(DPMD1790ZA/X1)<br>ET-EMF720DK: <1>                   |  | Metal fitting to attach the side filter to the side of the projector unit.<br>* It is not included with the ET-EMF720DP.     |
| Drop-prevention strap<br>(TKKX5113-1)<br>ET-EMF720DK: <3>                  |  | These components are attached to the front filter cover and side filter cover.<br>* It is not included with the ET-EMF720DP. |

## Before Use (continued)

### Attention

- Store small parts in an appropriate manner. And keep them away from small children.
- Dispose of the packaging materials properly after taking the product out of the package.

## Attaching the Filter Kits

### Before Attaching

Use this product under the following conditions.

- Operating ambient temperature: 0°C to 35°C
- Operating altitude: Less than 1 400 m above sea level
- Power supply to use for projector unit: 200 VAC to 240 VAC
- [PROJECTOR SETUP] menu → [FILTER SETTING] → [FILTER MODE] is set to [ENABLE] on the projector unit

### Attention

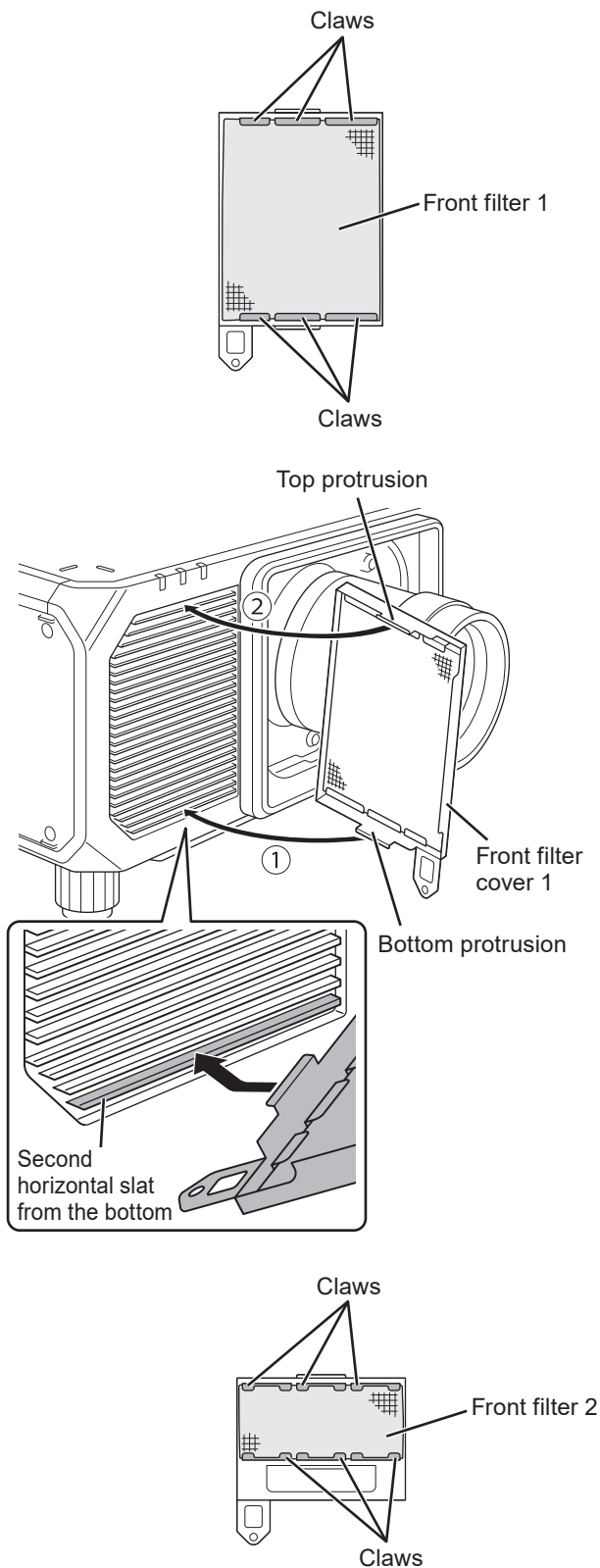
- Before attaching the filter kit or replacing the filters, be sure to turn off the power of the projector unit.
- When turning off the power, be sure to follow the procedure described in “Switching off the projector” in the Operating Instructions of the projector.
- When the filter kit is attached, be sure to set [FILTER MODE] to [ENABLE] on the projector.  
For details on operation, refer to the Operating Instructions of the projector.
- It is recommended that you check the condition of the filters regularly. If there is dust on the filters or the filters are noticeably dirty, replace the filters.
- The filters cannot be cleaned and then reused. Be sure to replace them with unused filters.
- If [PROJECTOR SETUP] menu → [FILTER SETTING] → [TIMER] is set to other than [OFF] on the projector unit, execute [FILTER SETTING] → [FILTER COUNTER RESET] in the same menu to reset the filter operating time after the filters are replaced.  
For details on operation, refer to the Operating Instructions of the projector.
- The filter kits cannot be used at an altitude of 1 400 m or higher above sea level and operating ambient temperature exceeding 35 °C (95 °F).
- Use the projector with a power supply voltage of 200 VAC to 240 VAC.

### Note

- If you continue using the projector with a clogged filter, the internal temperature may rise and cause the projector's protection circuit to activate.  
If the internal temperature rises and a temperature error/temperature warning occurs, the temperature indicator <TEMP> and self-diagnosis display will notify you.

## Attaching the Filter Kits (continued)

### Attaching the Front Filter



#### 1) Attach the front filter 1.

- Insert the front filter 1 into the six claws of the front filter cover 1, and then attach it.
- \* There is no distinction between the top and bottom and the front and back of the front filter 1.

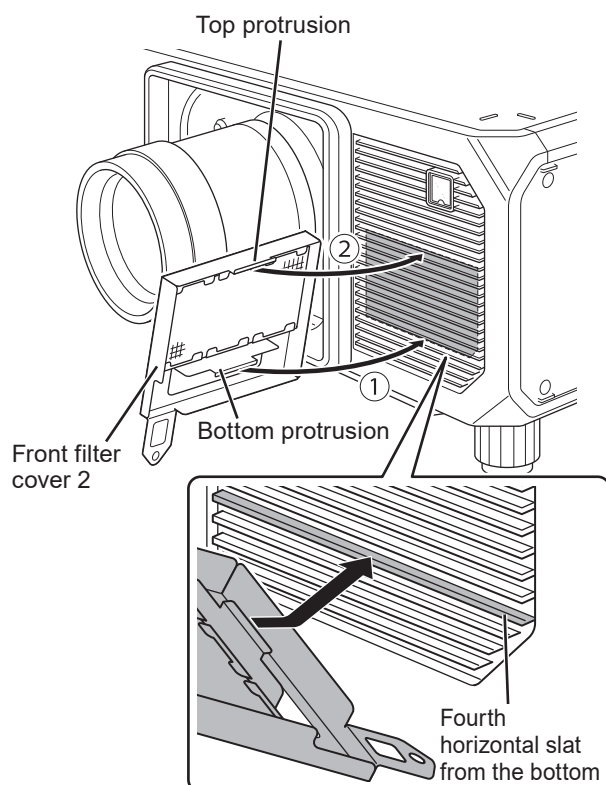
#### 2) Attach the front filter cover 1.

- Attach the front filter cover 1 by inserting its bottom protrusion into the air intake at the front of the projector unit so that it is hooked on to the horizontal slat that is second from the bottom, and then inserting its top protrusion.

#### 3) Attach the front filter 2.

- Insert the front filter 2 into the six claws of the front filter cover 2, and then attach it.
- \* There is no distinction between the top and bottom and the front and back of the front filter 2.

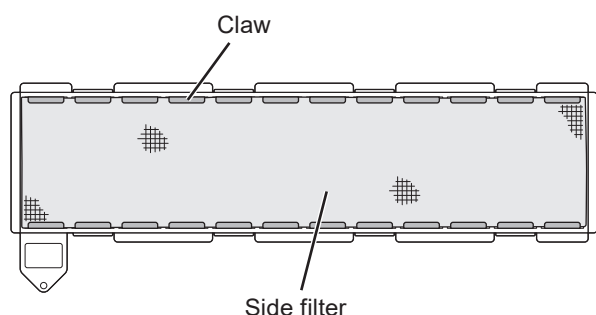
## Attaching the Filter Kits (continued)



### 4) Attach the front filter cover 2.

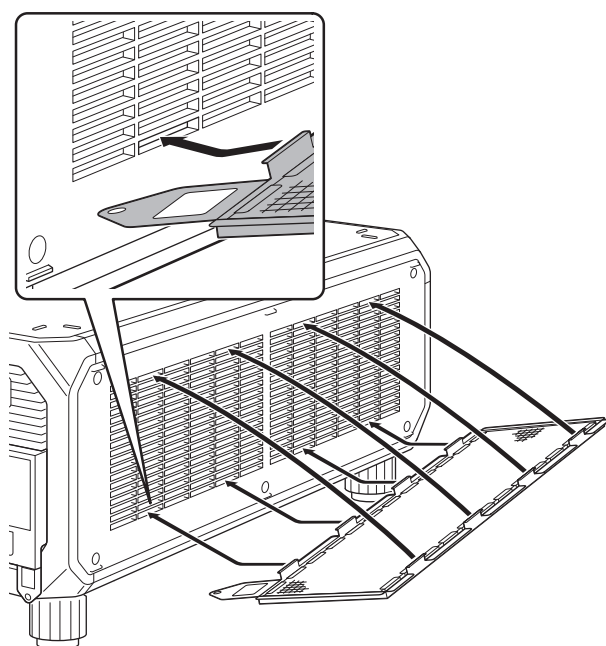
- Attach the front filter cover 2 by inserting its bottom protrusion into the air intake at the front of the projector unit so that it is hooked on to the horizontal slat that is fourth from the bottom, and then inserting its top protrusion.

## Attaching the Side Filter



### 1) Attach the side filter.

- Insert the side filter into the 24 claws of the side filter cover, and then attach it.
- \* There is no distinction between the top and bottom and the front and back of the side filter.

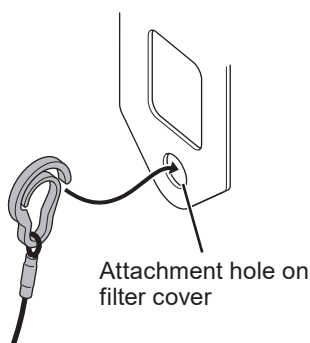
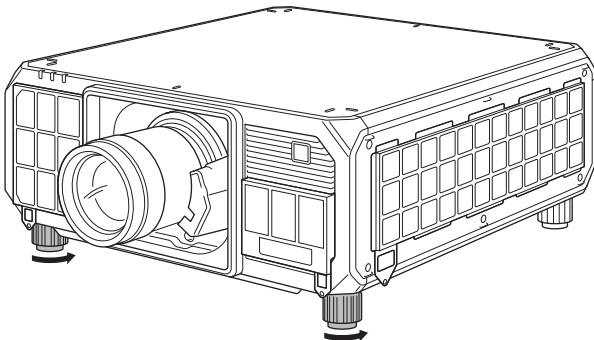
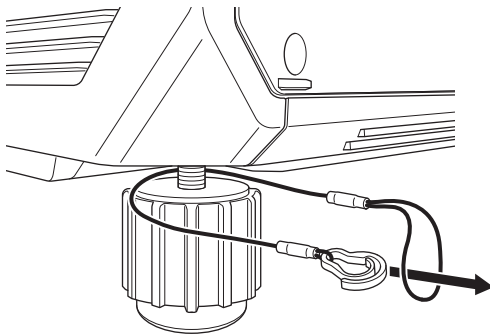
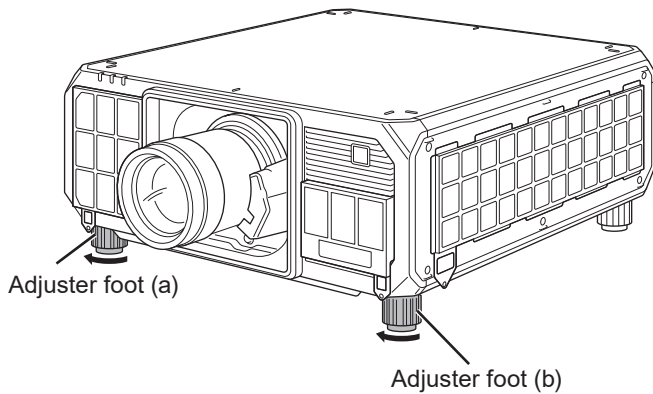


### 2) Attach the side filter cover.

- Attach the side filter cover by inserting its four bottom protrusions so that they hook on to the positions shown in the figure of the projector unit side, and then inserting its four top projections in the direction of the arrows.

## Attaching the Filter Kits (continued)

### Attaching the Drop-prevention Strap



#### 1) Extend the adjuster feet.

- Turn the two adjuster feet at the front of the projector unit (lens side) in the direction of the arrows to extend them to the position where the thread part is exposed.

#### 2) Attach drop-prevention straps to the adjuster feet.

- Pass the drop-prevention straps around the thread parts of adjuster foot (a) and adjuster foot (b), and then pass the hooks through the loops at the end of the straps.
- Attach two drop-prevention straps to adjuster foot (b).

#### 3) Retract the adjuster feet.

- After attaching the drop-prevention straps, turn the adjuster feet in the opposite direction to which they were turned to extend them.

#### 4) Attach the drop-prevention straps to the filter covers.

- Attach the hooks at the ends of the drop-prevention straps to the attachment holes of the front filter covers 1 and 2 and the side filter cover.

## Attaching the Filter Kits (continued)

### Note

- When installing the projector with the adjuster feet removed such as when attaching it to a mount, attach commercially available hex bolts (M10 × 20 to 35) to the threaded holes from which the adjuster feet were removed, and fix the drop-prevention straps.  
Use a JIS B 1051 standard product or ISO 898-1 standard product for the hex bolts used for fixing the drop-prevention straps.
- When the projector is mounted to a ceiling using a projector mount bracket (model number: ET-PKD521B), fix the drop-prevention straps with captive washer hex head bolts (structural components of the projector mount bracket) pre-installed in the threaded holes from which the adjuster feet were removed.

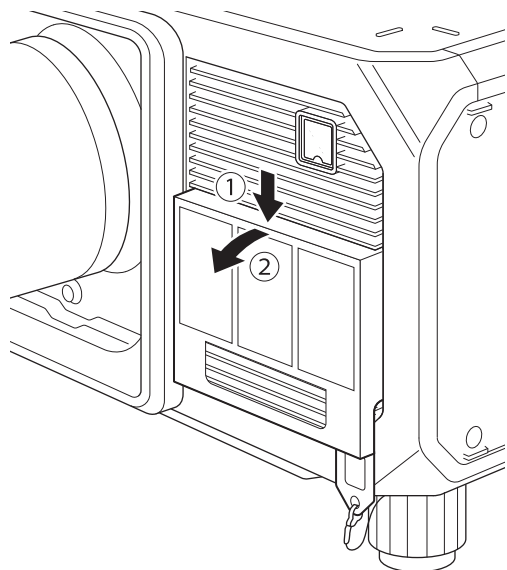
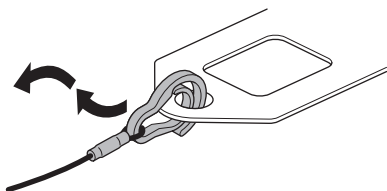
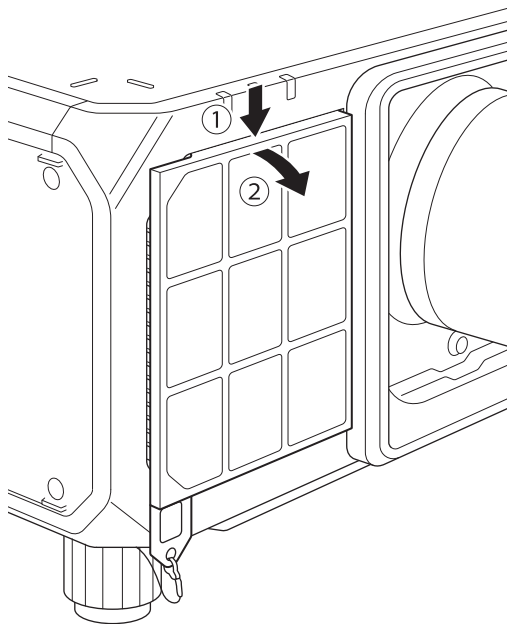
# Removing the Filter Cover

## Before Removing

### Attention

- Before filter removal and filter replacement, be sure to turn off the power of the projector unit.
- Be sure to follow the procedure described in “Switching off the projector” in the Operating Instructions of the projector when turning off the power.

## Removing the Front Filter Cover



### 1) Remove the front filter cover 1.

- Remove the front filter cover 1 by pulling the top toward you while pushing it at the position of arrow ①.

### 2) Remove the drop-prevention strap.

- Remove the hook of the drop-prevention strap by pulling it as indicated by the arrows.

### 3) Remove the front filter cover 2.

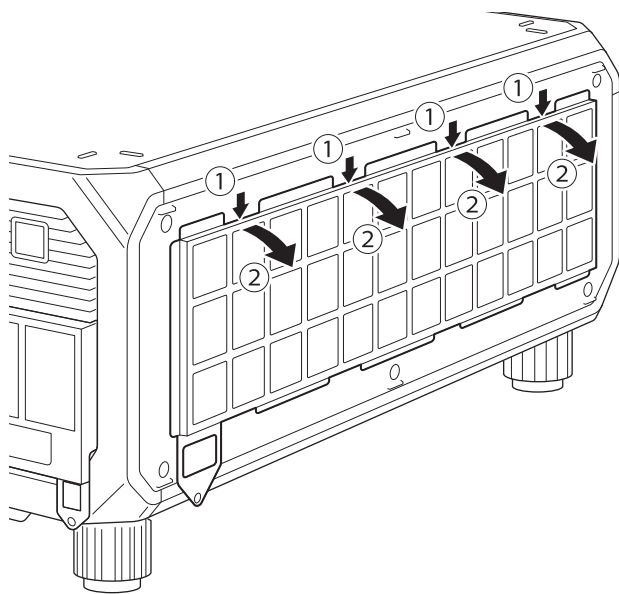
- Remove the front filter cover 2 by pulling the top toward you while pushing it at the position of arrow ①.

### 4) Remove the drop-prevention strap.

- Remove the drop-prevention strap in the same way as in step 2).

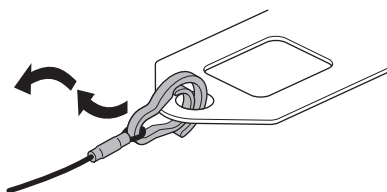
## Removing the Filter Cover (continued)

### Removing the Side Filter Cover



#### 1) Remove the side filter cover.

- Remove the side filter cover by pulling the top toward you while pushing it at the position of arrow ①.



#### 2) Remove the drop-prevention strap.

- Remove the hook of the drop-prevention strap by pulling it as indicated by the arrows.