

MITSUBISHI ELECTRIC

DEHUMIDIFIER

MODEL

MJ-E16VX-S1**INSTRUCTION MANUAL**English **E**Italiano **I**Svenska **SV**Deutsch **DE****Features**

- Drying inside
- Air Filter and Washable Photocatalytic Filter
- Easy Dehumidifying/Laundry

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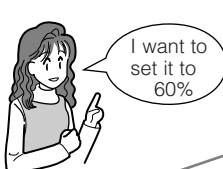

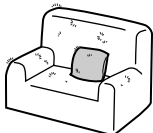









- In order to ensure correct usage, please read this instruction manual carefully and retain it for future reference.
- Before accepting the Warranty at the time of purchase, please make sure that the date of purchase, place of purchase and other items are correctly filled in the form.



Protect our environment and enrich our lives by
saving energy

Recommended ways of using the unit depending

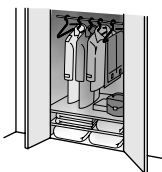
Combine operating mode and swing louvre function to get optimum results.

Objective	Drying laundry		Lowering room humidity		Preventing mold/	
	<p>When you don't want to hang the clothes outside or it is raining...</p> 		<p>When you don't know what humidity level to set the unit to...</p> 	<p>When you want to set the humidity level...</p> 	<p>When condensation occurs indoors...</p> 	<p>To prevent mildew...</p> 
Recommended operating mode	LAUNDRY The unit operates for 12 hours and automatically switches off.		EASY DEHUMIDIFYING The unit operates until the air is comfortable.		LOW TEMP The unit changes the airflow according to room temperature.	
	UPWARD Aim toward clothes.		AUTO The unit maintains the set humidity.		MILDEW GUARD The unit operates in mildew suppression mode.	
Recommended swing setting	Any swing setting		Any swing setting		Any swing setting	
Procedure	<p>Press the power button (the unit turns on) Page 12</p> 		<p>Press the power button (the unit turns on) Page 12</p> 		<p>Press the power button (the unit turns on) Page 12</p> 	
	<p>Turn the power on</p> 		<p>Turn the power on</p> 		<p>Turn the power on</p> 	
Select the mode Page 13-15	<p>Select LAUNDRY</p> 		<p>Select EASY DEHUMIDIFYING</p> 		<p>Select LOW TEMP</p> 	
	<p>Select UPWARD</p>		<p>Select any swing setting</p>		<p>Select any swing setting</p>	
Select the louvre swing range Page 16						

on purpose

condensation

To keep the inside of closets and shoeboxes dry...



To clean the air

There is no need for dehumidification, but you wish to remove pollen and dust from the air.



LOW

The dehumidifier operates regardless of the humidity level.

REAR

Direct the air flow



AIR PURIFIER

The unit operates the air purifier only.

Any swing setting

POWER
ON/OFF

Turn the **power on**

AIR
PURIFIER

Switch to **AIR PURIFIER**

SWING
LOUVRE

Select any swing setting

Select **LOW**

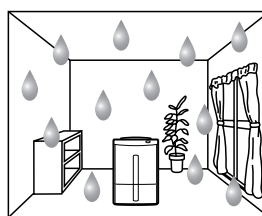
Select **REAR**

Frequently Asked Questions

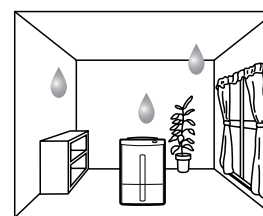
Q. Why does the dehumidifier seem to collect less water in winter?

A. When the temperature and humidity are low, the amount of water collected is decreased.

In winter, because the temperature is lower than in summer, the effects of the dehumidifier decrease dramatically as shown in the graph below. Although less water collects in the tank, this is not a malfunction.



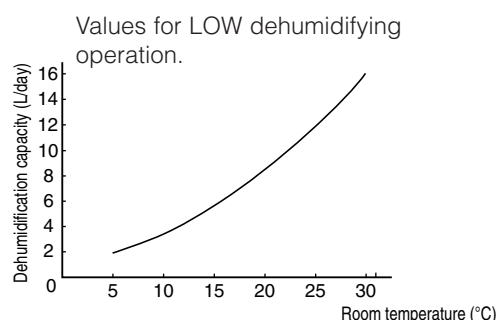
Summer (humidity)



Winter (dampness)

* If the temperature is low, but the humidity is high due to snow or rain, operating the unit in LOW TEMP mode will yield better results than in LOW mode.

14



• The values shown on the graph were measured at constant temperature and humidity and do not reflect values obtained in actual usage conditions.

Q. • Why doesn't the dehumidifier operate?
• Why does the unit stop operating suddenly?

A. The unit might be in **LAUNDRY** mode.

The unit operates for 12 hours and automatically switches off.

13

A. The unit might be in **EASY DEHUMIDIFYING, MILDEW GUARD, or AUTO** mode.

The unit automatically switches between dehumidifying, airflow only, and non-operation.

13~15

Before using the unit

Precautions

The following diagrams indicate circumstances where danger can result from mishandling the unit.



WARNING

Mishandling may result in fatal or serious injuries.



CAUTION

Mishandling may result in injuries or damage to your home or property, etc.



Forbidden



Do not disassemble



Keep away from fire



Do not subject to water



Always follow the instructions



WARNING

Do not start/stop the unit by plugging/unplugging the power cord.

This may result in **fire and/or electric shock**.



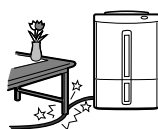
Do not use extension cords or multiple head adapters.

This may result in **fire, electric shock or malfunctions**.



Do not damage or modify the power cord or plug.

Do not modify, bundle, twist, bend or heat the power cord. Do not place under objects or use with the end close to the plug bent.



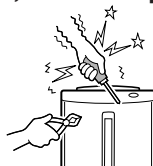
The cord may be damaged resulting in **fire or electric shock**. (Keep pets from biting the cord.)

Do not put your fingers or any long object, into the air intake/outlet. Do not touch the swing louvre.



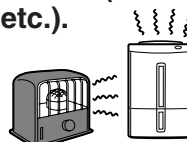
The internal fan rotates at high speeds, and such actions may result in **injury or malfunctions**.

Do not attempt to repair, disassemble, or modify the unit.



This may result in **fire and/or electric shock**. See the last page for service contact details.

Do not put the unit near heat-generating devices (such as stoves, fan heaters, etc.).



The plastic parts may melt **causing fire**.

Wipe dust off the power plug and insert the plug firmly.

If the plug is not fully inserted into the socket, dust may gather on the connectors which may cause **fire and/or electric shock**.



Use 220-240V AC power sockets.

Connecting to power sockets other than 220-240V AC may result in **fire and/or electric shock**.



Remove water that has collected in the tank.

Accidentally drinking the water or using it for other purposes may cause **illness and/or unforeseen accidents**.



Should abnormal symptoms occur (a burning smell, etc.), switch off the unit and unplug it from the socket.



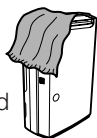
Continuing to operate the unit may result in **fire, electric shock, or malfunctions**. See the last page for service contact details.



CAUTION

Do not cover the front or side air intakes or the air outlet with cloth, curtain, etc.

This results in poor ventilation and may cause **heat generation/fire**.



Do not stand on, sit on or lean against the unit.

The unit may tip over causing **injury**.



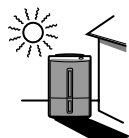
Do not put vases or any other objects filled with water on the unit.

Water may leak into the unit adversely affecting electric insulation and cause **electric shock and/or fire by short-circuiting**.



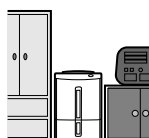
Do not use the unit where it may be exposed to direct sunlight or other weather conditions. (This unit is for indoor use only.)

This may cause **overheating, electric shock and/or fire caused by an electric leak**.



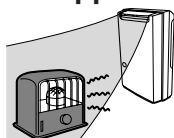
Do not use the unit in narrow, enclosed places such as inside closets, between pieces of furniture, etc.

This results in poor ventilation and may cause **heat generation and/or fire**.



Do not use combustion appliances in the path of the air outlet.

This may cause **incomplete combustion** in the appliance.



Do not use the unit in places where chemicals are used (such as hospitals, factories, laboratories or beauty salons).

Chemicals and solvents evaporated in the air may harm the unit and cause water in the tank to leak, **resulting in damage to property**.



Do not use the unit for special purposes, such as preservation of food, art or scientific works.

This may negatively affect the **quality of the items stored**.



Do not drain water continuously if there is a possibility that temperature around the hose could drop to freezing point.

Water inside the hose may freeze and prevent the water in the tank from flowing out. The water may leak from the unit and **damage surrounding objects**.



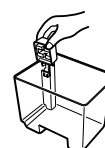
Do not use the unit in places that may be subject to oil or flammable gas leakage.

Such a leak around the unit may cause **combustion and fire**.



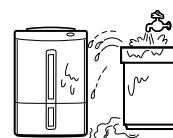
Do not remove the Styrofoam from the floating element.

The floating element will not be able to detect a full tank resulting in water leakage, which may **damage surrounding objects or cause electric shock and/or an electric leak**.



Do not wash the unit with water. Do not use the unit where it is likely to come in contact with water.

Exposure to water may result in **fire or electric shock caused by an electric leak**.



Do not point air-flow from the unit directly at the body.

If air-flow is directed at the body for long periods, it may **harm one's physical condition and lead to dehydration**.



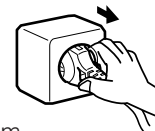
Install the unit in a location where the floor is flat and stable.

If the unit falls over, the water collected in the water tank may leak **damaging surrounding objects and in turn result in fire or electric shock caused by an electrical leak**.



Grasp the plug and remove from the power socket.

When removing the plug from the power socket, do not pull on it diagonally or by the cord as this may cause the projections/wiring to be damaged resulting in **a short circuit, electric shock or fire**.



Before moving the unit always switch it off, unplug it and remove water from the water tank.

Moving the unit with water in its tank may cause the water to leak and **damage the surrounding objects and in turn result in electric shock and/or an electric leak**.



Precautions (cont.)



CAUTION

After emptying the tank, transport the unit by grasping the handle firmly.

Losing your footing while carrying the unit may cause **personal injury** or **damage to the floor**.



When using the continuous drainage outlet, make sure to position the hose so that the water drains without obstruction.

The water in the tank may leak and **damage surrounding objects**.



When draining water continuously or left unattended for long periods, inspect the unit every two weeks.

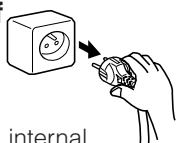
Do not allow debris to clog the filter/hose as this may cause **over-heating/leakage**.



Use the unit with caution in rooms where the walls, furniture and art work are vulnerable to dry air, as it may cause cracks and warping.



Switch the unit off and unplug from the power source when cleaning it.



When the unit is on, the internal fan rotates at high speeds and may cause **injury**.

Unplug the unit from the power source when not using the unit for an extended period of time.



Otherwise it may cause **fire and/or electric shock** caused by an electric leak.

Tips on dehumidifying

Drain the water tank before use

Refrain from opening doors/windows during operation

Drying laundry indoors

- Direct the louvres at the laundry.
- Space laundry to improve airflow.



Maintain room temperature above 16°C with a heater.

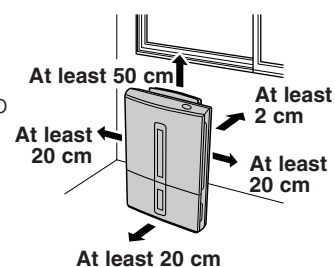
- Drying times will vary depending on the nature of the laundry and the room temperature. In low temperatures, drying takes about twice as long as normal. In low temperatures (10°C), drying takes about twice as long as when normal (20°C+).
- The airflow is strongest to the top right of the unit.

Installing your dehumidifier

Make sure to leave some space around the unit.

<For use in close proximity to a wall>

Stop the louvre in the vertical position. Blowing air at the wall may cause staining.



Operating noise

Place the unit on top of a mat. This reduces vibration and noise. It also prevents leaving depressions on carpets.

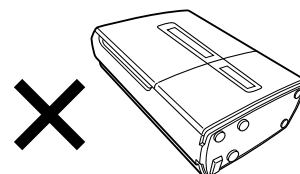
Warnings

- **Keep the unit always in an upright position.** Inclining the unit may cause water in the tank to leak into the unit, **resulting in malfunction**. Should this happen contact service number on the last page for advice.
- Damage to the dehumidifier caused by atmospheric conditions (ie. Salt or Sulphur) will not be covered under warranty.

- **Do not carry the unit horizontally.**

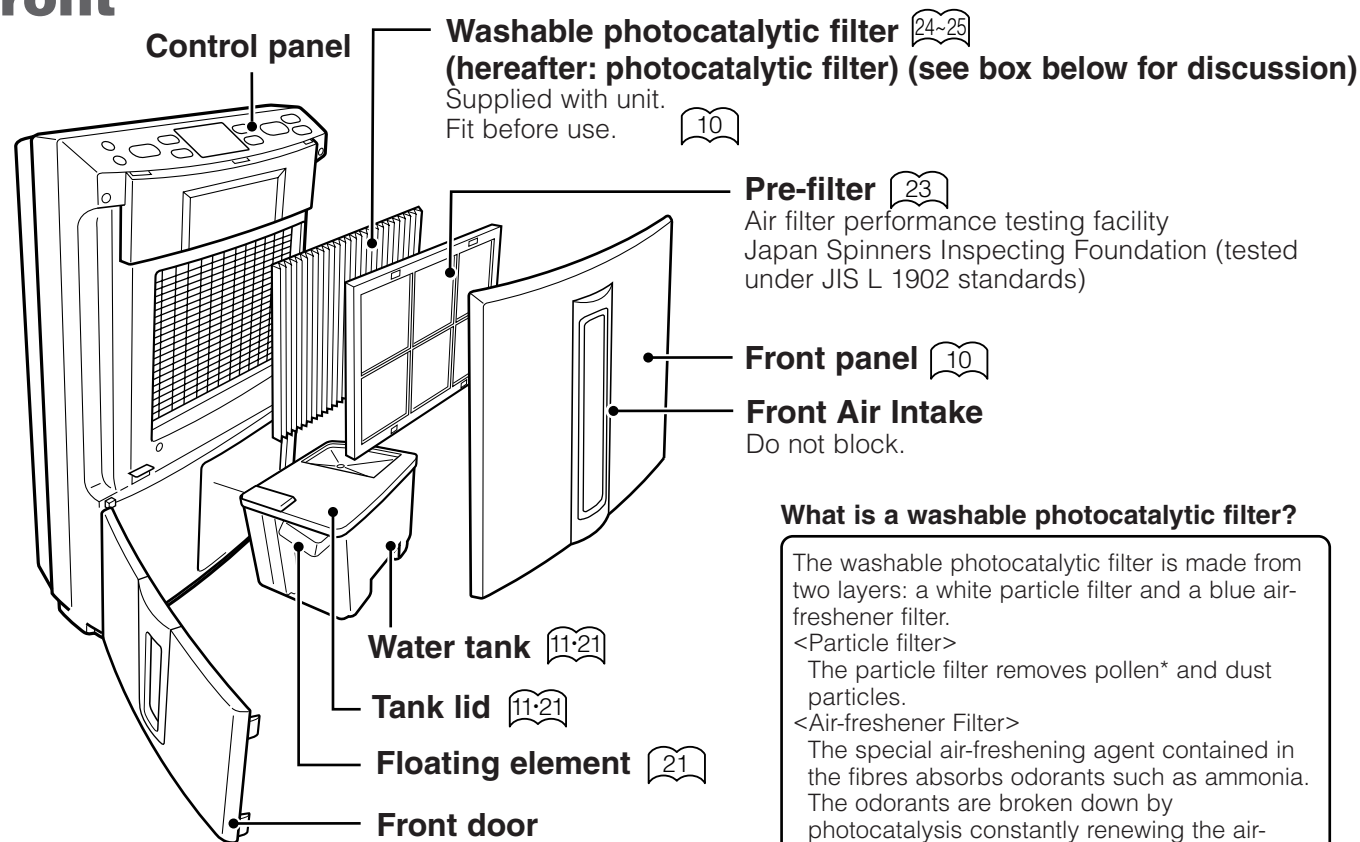
This may **result in malfunctions**.

Such malfunctions are NOT covered under warranty.



Names and Functions of Parts

Front



What is a washable photocatalytic filter?

The washable photocatalytic filter is made from two layers: a white particle filter and a blue air-freshener filter.

<Particle filter>

The particle filter removes pollen* and dust particles.

<Air-freshener Filter>

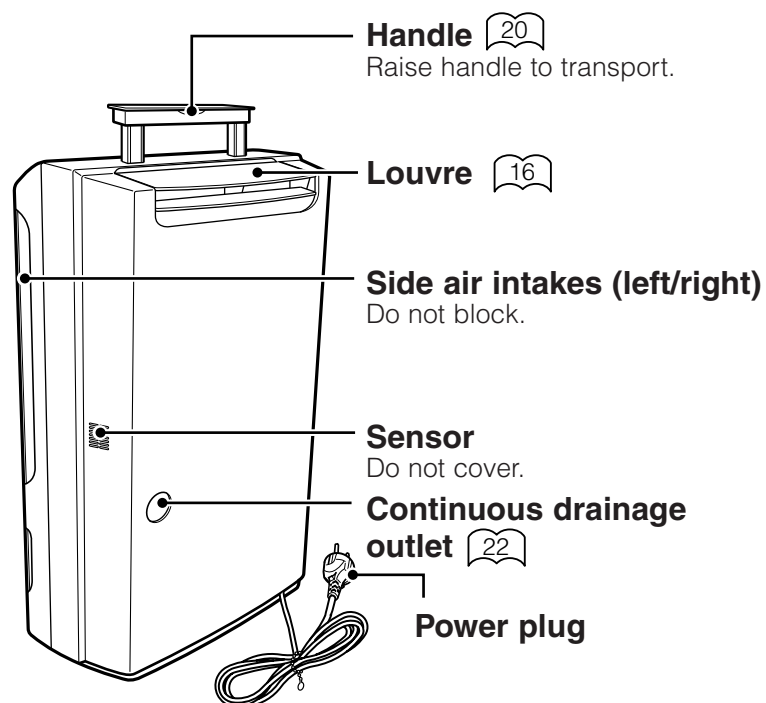
The special air-freshening agent contained in the fibres absorbs odorants such as ammonia. The odorants are broken down by photocatalysis constantly renewing the air-freshening properties.

As the filter's particle and air-freshening properties are renewed by simply soaking and leaving it to dry in the sun, the filter can be used continuously over a long time.

Cigarette smoke and toxins found in smoke, such as carbon monoxide, cannot be removed with this filter.

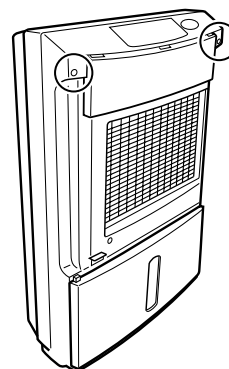
* Diameter of pollen: approx. 10–100μm

Back



NOTE

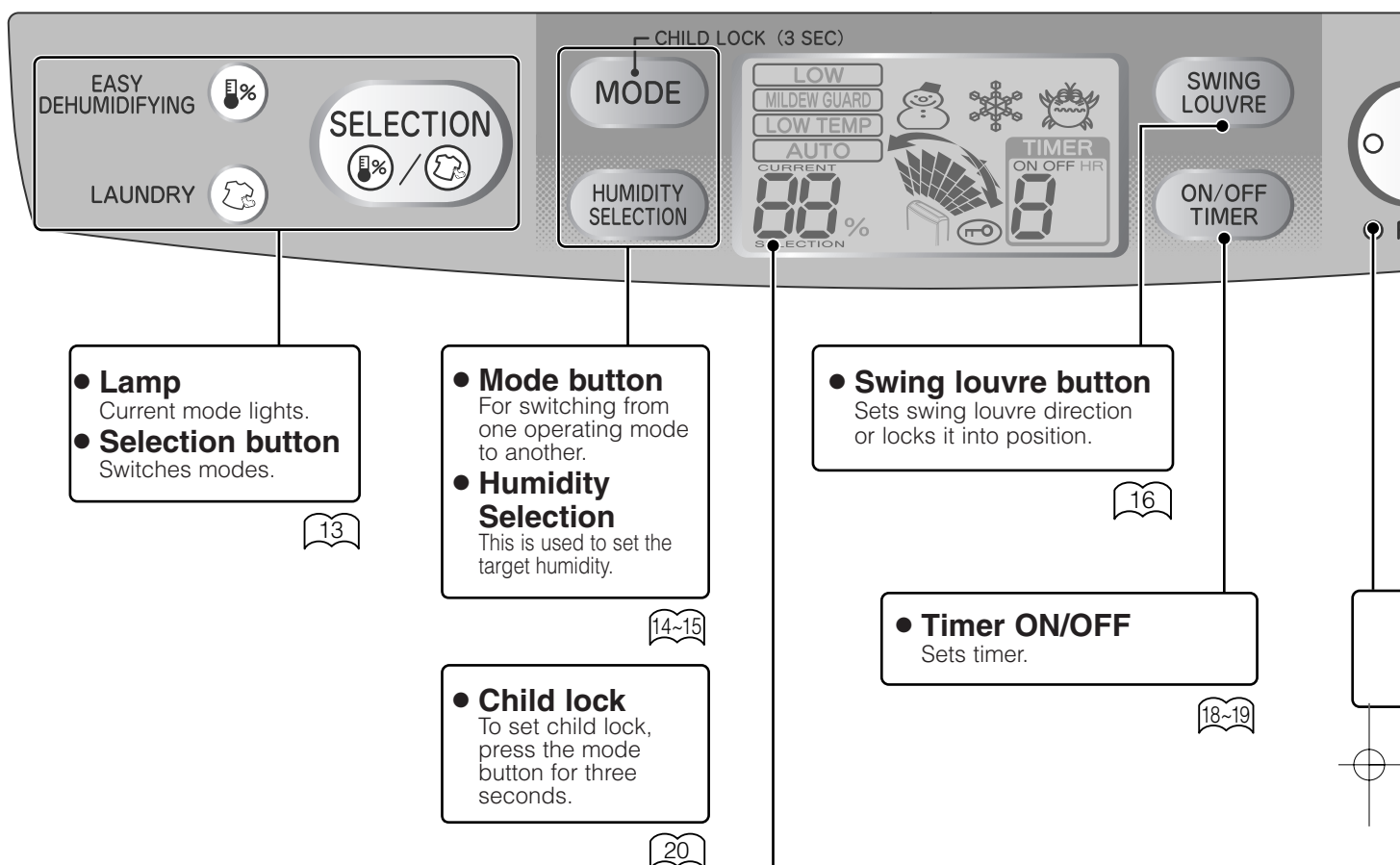
It is impossible to remove the back panel because the two spots shown are fastened with two special screws.
If the unit malfunctions, contact your Mitsubishi dealer:



The water tank may contain water residue at time of purchase. This is from final product testing at the factory and is not due to a defect.

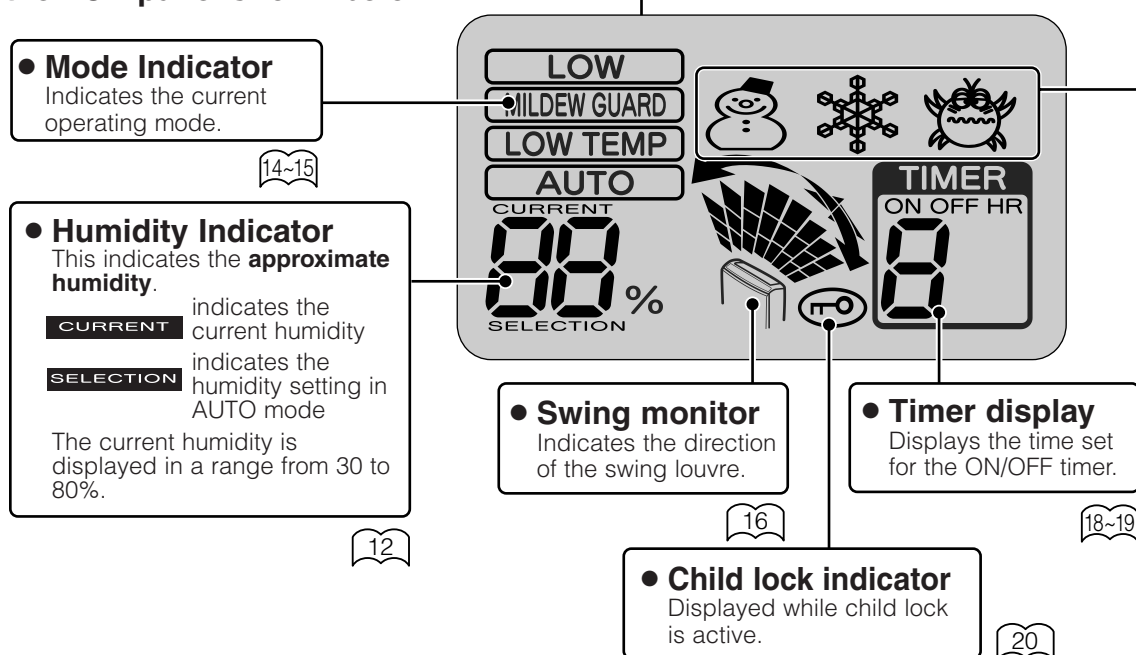
Names and Functions of Parts (cont.)

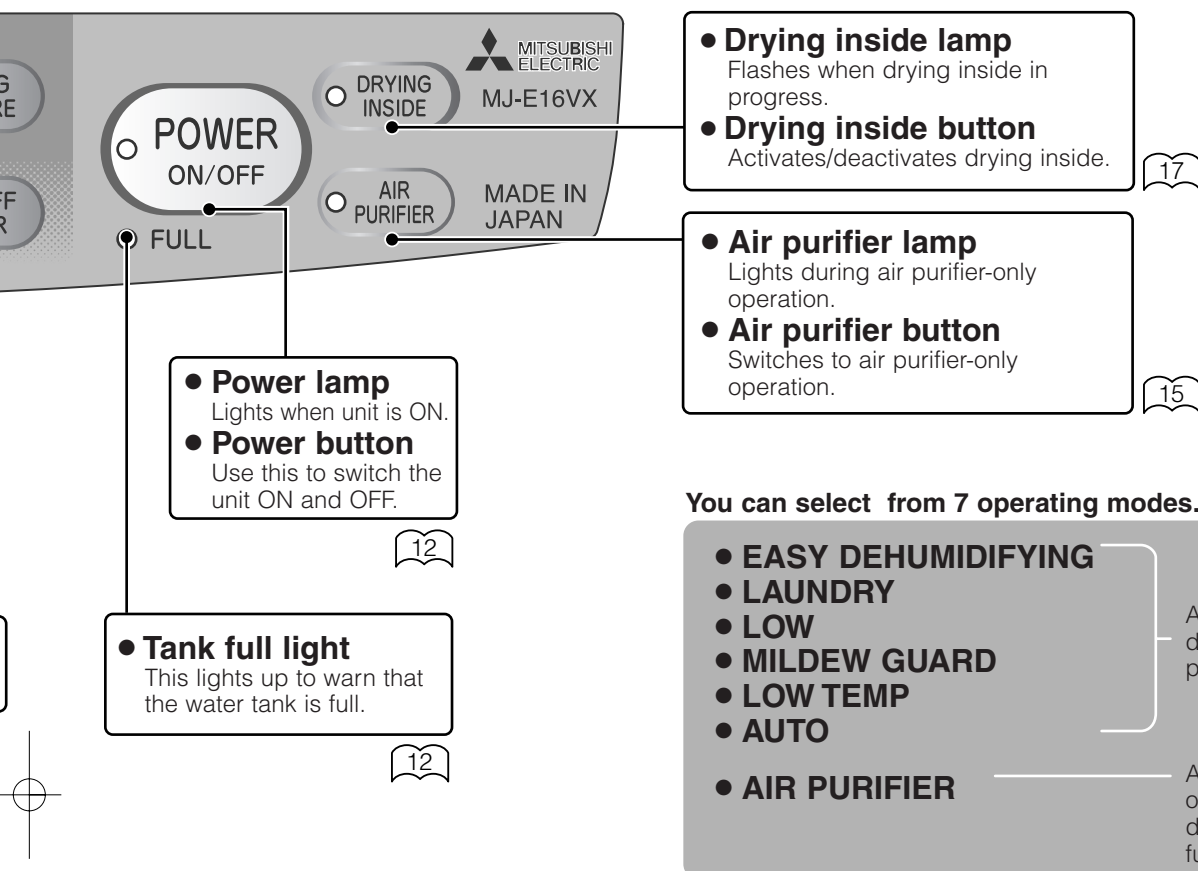
Control Panel



LCD Panel

All indicators on the LCD panel shown below.






• Information display

Indicates room and unit condition.




Low Temperature Indicator

The  indicator comes on if the room temperature drops below 15°C. Activating Low Temp mode is recommended.

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DEFROST Indicator

Airflow (dehumidifying) will stop and the frost that has accumulated inside will be melted and dropped into the tank when the  indicator is on.



Please wait a moment as operation will resume in around 5 minutes.

While in DEFROST mode, airflow (dehumidifying) and the louvre will stop. The sounds coming from the unit will also change.

DEFROST will start automatically when room temperature drops below 15°C (This may be as often as once every 40 minutes).



High humidity warning

The  indicator flashes when the unit is OFF and the humidity in the room exceeds 75%. Activating the dehumidifier is recommended when the  indicator is flashing.

If the High humidity warning is not used, remove the power plug from the power socket.

Things to be aware of

Room temperature may rise 2-4°C during operation

The dehumidifier does not have a cooler function. Due to heat produced during operation, the room temperature may rise 2-4°C. As a result, the unit may blow warm air, but this is not due to a malfunction. During winter, the air may not feel warm as the temperature is below body temperature.

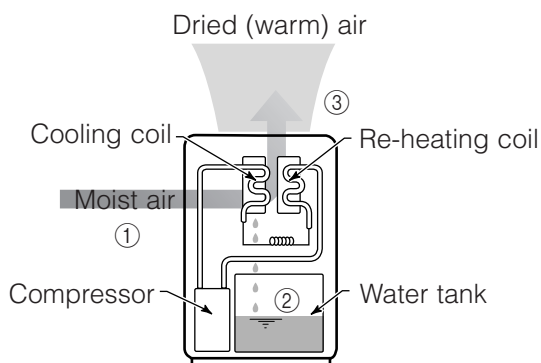
How does the dehumidifier work?

If you pour cold water into a cup, the air around it becomes cold, causing water droplets to form on the surface of the cup.

The dehumidifier takes advantage of this phenomenon to remove moisture from the air.

- ① The unit draws air from the room, cools it with its cooling coil, causing the moisture to transform into water droplets.
- ② The water droplets fall into the water tank.
- ③ **The dehumidified air is reheated by the heating coil, and then discharged.**

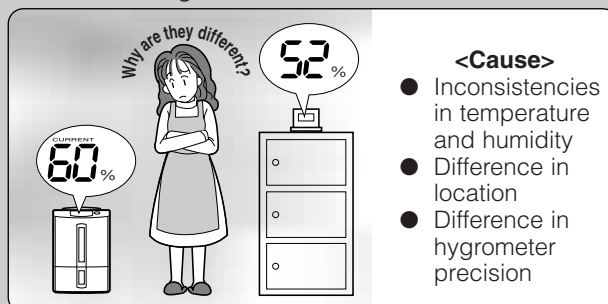
The humidity of the room is thus reduced by repeating steps ①, ②, and ③.



The humidity reading on the unit may differ from a hygrometer in the same room

Even in the same room, temperature and humidity levels may differ from place to place. If the hygrometer and the unit are in different parts of the room, the humidity levels are prone to differ. Moreover, humidity levels differ between places that have good and no airflow.

Use the reading on the unit as an estimate.



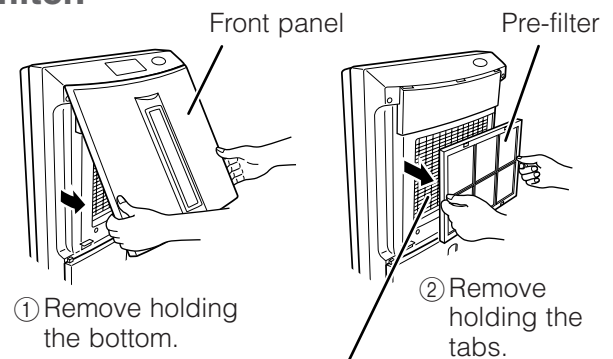
Before using your

Fitting the photocatalytic filter

The photocatalytic filter is supplied with the unit at time of purchase. Fit before using the unit.

1 Remove the photocatalytic filter from the polyethylene bag.

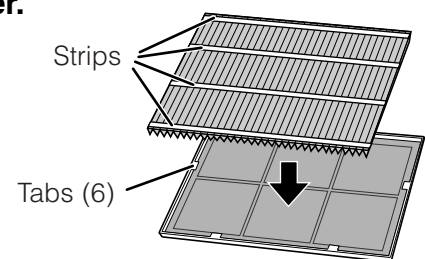
2 Remove the front panel and pre-filter.



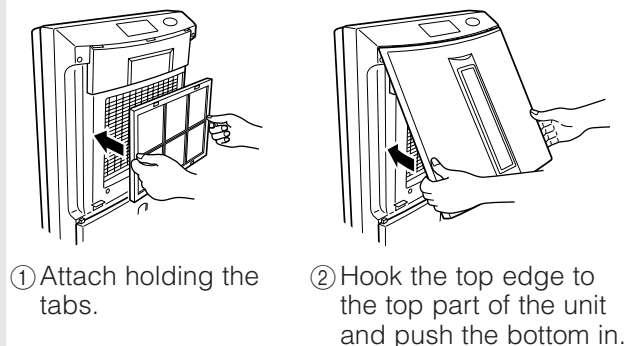
Performance is unaffected even if the metal fins inside the main unit are slightly bent.

3 Fit the photocatalytic filter into the pre-filter.

With the strips facing up, set the photocatalytic filter inside the tabs on the pre-filter.

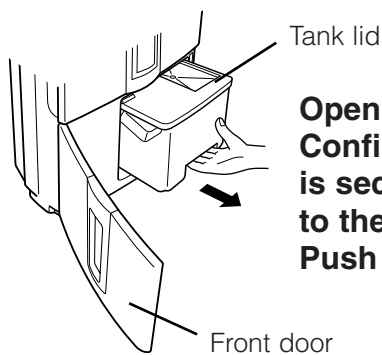


4 Attach the pre-filter and front panel.



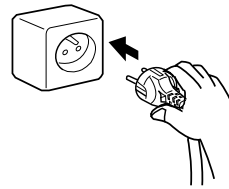
dehumidifier

Inserting the water tank correctly



**Open the front door.
Confirm that the lid
is securely attached
to the water tank.
Push the tank in.**

Plug the power cord into the power socket



Use a 220-240V AC power socket only.

- **The current humidity level is indicated.**

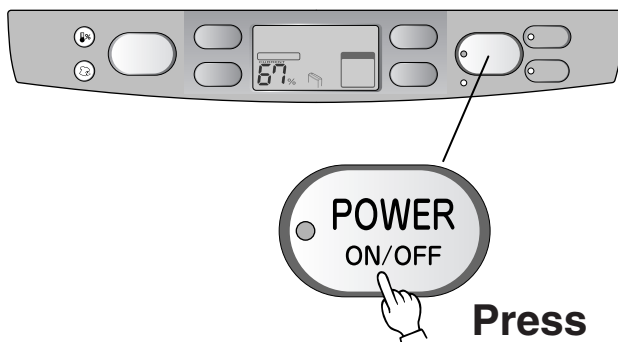
If the louvre is open, it closes automatically.




Before using the unit

Turning the Unit ON and OFF

To turn ON



- Power lamp lights.
- The mode is displayed.
- The louvre opens automatically.

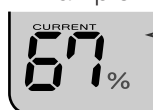
To start dehumidifying, select the desired mode. 

The compressor does not activate for 3 minutes when the unit is turned ON immediately after turning it OFF or plugging it into the power socket. (In order to protect the compressor.) When dehumidifying begins, the operational noise increases.

The dehumidifier remembers the operating mode. Even if the plug is disconnected or the power turned off, the unit restarts at the previous setting.

Reading the humidity display

Example




CURRENT indicates the current humidity. Current humidity range is between 30-80%.

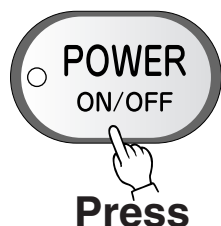
- Humidity levels below 30% are displayed as 30%.
- Humidity levels above 80% are displayed as 80%.

Example




SELECTION indicates set humidity level (Automatic mode only). 


To turn OFF



- Power lamp turns off.
- The Mode Indicator goes out.


Drying inside will commence if it has been activated. 

Information

- If the room temperature falls below 15°C, defrosting mode is activated once every 40 minutes (for about 5 minutes) causing water to drain to the tank. 
- The unit can operate in a room temperature range of 1-35°C. However, if the room temperature exceeds 35°C, the unit may operate in blower mode or increase the airflow. This is because the temperature within the unit rises causing the protection mechanism to operate. In order to lower the temperature within the unit, when using the louvre, point UPWARD.
- If the temperature is below 1°C, the extracted water is close to freezing disabling the dehumidifier, and only the blower is operational.

 FULL

Tank full lamp

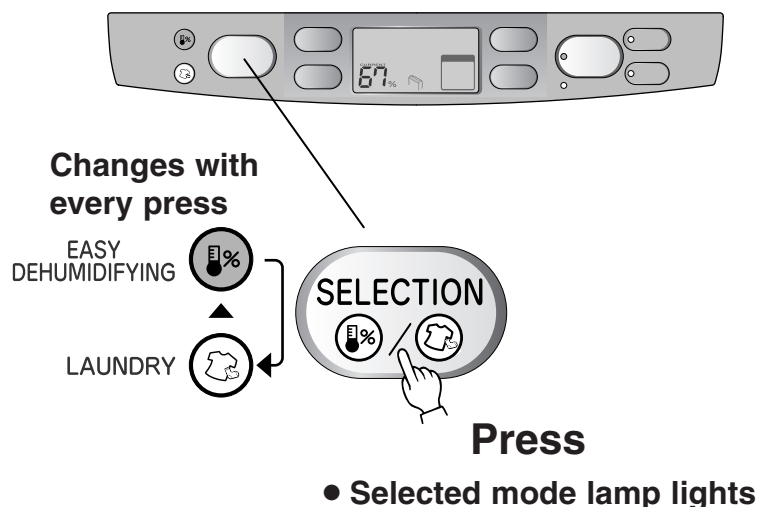
The unit automatically shuts down and indicates with the lamp and sound that the water tank is full. Empty the water tank. 

- Tank full lamp lights. (The unit beeps continuously).
- Air flows stops (louvre stops).
- Swing monitor turns off.
- Compressor turns off.

- After removing the water and replacing the tank, the Tank full lamp will go off, and the unit will automatically return to operation mode.
- When the Tank full lamp is lit, no operation but ON/OFF is possible.

Easy Operation

The unit automatically monitors room temperature/humidity alleviating the necessity to make minor adjustments. Use EASY DEHUMIDIFYING for dehumidifying a room and LAUNDRY for drying clothes.

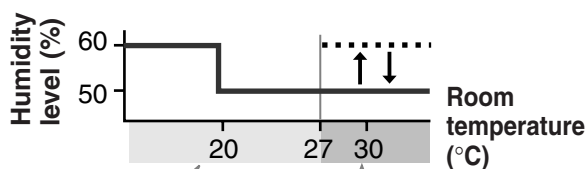


● EASY DEHUMIDIFYING

The unit operates intermittently controlling the airflow to remove the damp feeling in the air. (There is no need to set the humidity level.)

When the room temperature is high, the blower operates to decrease the damp feeling.

The airflow or louvre operation may stop according to the humidity level.



Room temperature is below 27°C - the unit automatically sets the humidity level according to the temperature.

Room temperature is above 27°C - the unit lowers the humidity level to 50%, then activates the blower. The dehumidifier is reactivated when humidity rises to 60%.

● LAUNDRY

The unit operates for 12 hours and automatically switches off.

Information

- **Drain the tank before use.**
The unit may stop before the washing dries because of a full tank.
- **Do not use in conjunction with the OFF timer.**
The timer may turn the unit off before the washing dries.
- **The following conditions prevent clothes from drying well:**
Room temperature below 15°C, large volume of laundry; laundry not spaced well; clothes of thick fabric and spacious room.

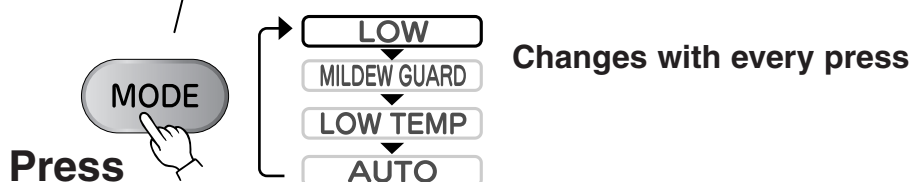
Information

Pressing Humidity Selection switch while in EASY DEHUMIDIFYING or LAUNDRY mode changes the mode to AUTO.

Setting modes

LOW, MILDEW GUARD and LOW TEMP

LOW mode is for when you want to leave the dehumidifier on. MILDEW GUARD mode suppresses mildew growth. LOW TEMP mode is for preventing condensation or when the room temperature is low.



- Frame appears around selected mode.

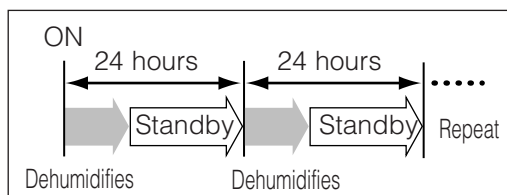
- The amount of dehumidification decreases with the temperature and humidity.
- The humidity level cannot be set with LOW, MILDEW GUARD, and LOW TEMP.




- **LOW** The dehumidifier operates regardless of the humidity level.

- **MILDEW GUARD** The unit lowers humidity levels automatically once a day, suppressing mildew growth.

- The unit operates intermittently for 2-4 hours a day (24 hours). The operating time varies depending on the humidity.
- The unit continues to operate when the humidity does not decrease.
Humidity 40%→Approx. 2 hours
Humidity 50%→Approx. 4 hours



- Information**
- Refrain from turning on ventilation fans or opening windows or doors as this lowers performance.
 - Mildew growth may still occur due to the fungus type and conditions of the room.
E.g. Rooms that contain excessive condensation, bathrooms, and places with bad airflow (insides of closets and behind furniture).
 - This mode does not remove existing mildew.
 - Do not use in conjunction with OFF Timer mode. Effects may not be achieved.

- **LOW TEMP** The unit operates continuously automatically controlling airflow according to room temperature. The air flow is strongest below 15°C. The use of LOW TEMP mode is recommended when the Low temperature indicator  is lit.

Information When the temperature is low, condensation may still form on windows exposed to the outside air even when LOW TEMP mode is operating.

How is mildew growth suppressed?

Mildew is unable to produce new spores if dried as mycelia. The Mildew Guard feature applies this principle. (However, the spores themselves are resilient to dry conditions.)

"Identification of Aspergillus and Penicillium" <Research paper by Dr. K. Abe of the Environmental Biology Research Center>