

FLOOR-TYPE AIR CONDITIONERS

INDOOR UNIT

MFZ-KW25VGK MFZ-KW35VGK MFZ-KW50VGK MFZ-KW60VGK



OPERATING INSTRUCTIONS

BEDIENUNGSANLEITUNG

NOTICE D'UTILISATION

BEDIENINGSINSTRUCTIES

MANUAL DE INSTRUCCIONES

LIBRETTO D'ISTRUZIONI

ΟΔΗΓΙΕΣ ΛΕΙΤΟΥΡΓΙΑΣ

INSTRUÇÕES DE OPERAÇÃO

BETJENINGSVEJLEDNING

BRUKSANVISNING

РЪКОВОДСТВО ЗА ЕКСПЛОАТАЦИЯ

INSTRUKCJA OBSŁUGI

BRUKSANVISNING

KÄYTTÖOHJEET

NÁVOD K OBSLUZE

NÁVOD NA OBSLUHU

HASZNÁLATI ÚTMUTATÓ

NAVODILA ZA UPORABO

INSTRUCȚIUNI DE UTILIZARE

KASUTUSJUHEND

LIETOŠANAS INSTRUKCIJAS

NAUDOJIMO INSTRUKCIJA

UPUTE ZA UPORABU

UPUTSTVA ZA RUKOVANJE

ІНСТРУКЦІЇ З ЕКСПЛУАТАЦІЇ

English

Deutsch

Français

Nederlands

Español

Italiano

Ελληνικά

Português

Dansk

Svenska

Български

Polski

Norsk

Suomi

Čeština

Slovenčina

Magyar

Slovenščina

Română

Eesti

Latviski

Lietuviškai

Hrvatski

Srpski

Українська



Manual Download



<http://www.mitsubishielectric.com/ldg/ibim/>

- EN** Go to the above website to download manuals, select model name, then choose language.
- DE** Besuchen Sie die oben stehende Website, um Anleitungen herunterzuladen, wählen Sie den Modellnamen und dann die Sprache aus.
- FR** Rendez-vous sur le site Web ci-dessus pour télécharger les manuels, sélectionnez le nom de modèle puis choisissez la langue.
- NL** Ga naar de bovenstaande website om handleidingen te downloaden, de modelnaam te selecteren en vervolgens de taal te kiezen.
- ES** Visite el sitio web anterior para descargar manuales, seleccione el nombre del modelo y luego elija el idioma.
- IT** Andare sul sito web indicato sopra per scaricare i manuali, selezionare il nome del modello e scegliere la lingua.
- EL** Μεταβείτε στον παραπάνω ιστότοπο για να κατεβάσετε εγχειρίδια. Επιλέξτε το όνομα του μοντέλου και, στη συνέχεια, τη γλώσσα.
- PT** Aceda ao site Web acima indicado para descarregar manuais, seleccione o nome do modelo e, em seguida, escolha o idioma.
- DA** Gå til ovenstående websted for at downloade manualer og vælg modelnavn, og vælg derefter sprog.
- SV** Gå till ovanstående webbplats för att ladda ner anvisningar, välj modellnamn och välj sedan språk.
- TR** Kılavuzları indirmek için yukarıdaki web sitesine gidin, model adını ve ardından dili seçin.
- BG** Посетете горепосочения уебсайт, за да изтеглите ръководства, като изберете име на модел и след това – език.
- PL** Odwiedź powyższą stronę internetową, aby pobrać instrukcje, wybierz nazwę modelu, a następnie język.
- NO** Gå til nettstedet over for å laste ned håndbøker og velg modellnavn, og velg deretter språk.
- FI** Mene yllä mainitulle verkkosivulle ladataksesi oppaat, valitse mallin nimi ja valitse sitten kieli.
- CS** Příručky naleznete ke stažení na internetové stránce zmíněné výše poté, co zvolíte model a jazyk.
- SK** Na webovej stránke vyššie si môžete stiahnuť návody. Vyberte názov modelu a zvolte požadovaný jazyk.
- HU** A kézikönyvek letöltéséhez látogasson el a fenti weboldalra, válassza ki a modell nevét, majd válasszon nyelvet.
- SL** Obiščite zgornjo spletno stran za prenos priročnikov; izberite ime modela, nato izberite jezik.
- RO** Accesați site-ul web de mai sus pentru a descărca manualele, selectați denumirea modelului, apoi alegeți limba.
- ET** Kasutusjuhendite allalaadimiseks minge ülaltoodud veebilehele, valige mudeli nimi ja seejärel keel.
- LV** Dodieties uz iepriekš norādīto tīmekļa vietni, lai lejupielādētu rokasgrāmatas; tad izvēlieties modeļa nosaukumu un valodu.
- LT** Norėdami atsisiųsti vadovus, apsilankykite pirmiau nurodytoje žiniatinklio svetainėje, pasirinkite modelio pavadinimą, tada – kalbą.
- HR** Kako biste preuzeli priručnike, idite na gore navedeno web-mjesto, odaberite naziv modela, a potom odaberite jezik.
- SR** Idite na gore navedenu veb stranicu da biste preuzeli uputstva, izaberite ime modela, a zatim izaberite jezik.
- UK** Цей посібник представлено в скороченому вигляді. Перейдіть за вказаним вище посиланням на сайт та оберіть мову, щоб завантажити повну версію ІНСТРУКЦІЙ З ЕКСПЛУАТАЦІЇ та ПОСІБНИКА З УСТАНОВЛЕННЯ.

Safety Precautions

Meanings of symbols displayed on indoor unit and/or outdoor unit

	Warning (Risk of fire)	This unit uses a flammable refrigerant. If refrigerant leaks and comes in contact with fire or heating part, it will create harmful gas and there is risk of fire.
	Read the OPERATING INSTRUCTIONS carefully before operation.	
	Service personnel are required to carefully read the OPERATING INSTRUCTIONS and INSTALLATION MANUAL before operation.	
	Further information is available in the OPERATING INSTRUCTIONS, INSTALLATION MANUAL, and the like.	

- Since rotating parts and parts which could cause an electric shock are used in this product, be sure to read these "Safety Precautions" before use.
- Since the cautionary items shown here are important for safety, be sure to observe them.
- After reading this manual, keep it together with the installation manual in a handy place for easy reference.
- Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

Marks and their meanings

-  **Warning :** Incorrect handling could cause serious hazard, such as death, serious injury, etc. with a high probability.
-  **Caution :** Incorrect handling could cause serious hazard depending on the conditions.

Meanings of symbols used in this manual

-  : Be sure not to do.
-  : Be sure to follow the instruction.
-  : Never insert your finger or stick, etc.
-  : Never step onto the indoor/outdoor unit and do not put anything on them.
-  : Danger of electric shock. Be careful.
-  : Be sure to disconnect the power supply plug from the power outlet.
-  : Be sure to shut off the power.
-  : Risk of fire.
-  : Never touch with wet hand.
-  : Never splash water on the unit.

 Warning	
	Do not connect the power cord to an intermediate point, use an extension cord, or connect multiple devices to a single AC outlet. • This may cause overheating, fire, or electric shock. Make sure the power plug is free of dirt and insert it securely into the outlet. • A dirty plug may cause fire or electric shock. Do not bundle, pull, damage, or modify the power cord, and do not apply heat or place heavy objects on it. • This may cause fire or electric shock. Do not turn the breaker off/on or disconnect/connect the power plug during operation. • This may create sparks, which can cause fire. • After the indoor unit is switched off with the remote controller, make sure to turn the breaker off or disconnect the power plug. Do not expose your body directly to cool air for a prolonged length of time. • This could be detrimental to your health. The unit should not be installed, relocated, disassembled, altered, or repaired by the user. • An improperly handled air conditioner may cause fire, electric shock, injury, or water leakage, etc. Consult your dealer. • If the power supply cord is damaged, it must be replaced by the manufacturer or its service agent in order to avoid a hazard. When installing, relocating, or servicing the unit, make sure that no substance other than the specified refrigerant (R32/R410A) enters the refrigerant circuit. • Any presence of foreign substance such as air can cause abnormal pressure rise and may result in explosion or injury. • The use of any refrigerant other than that specified for the system will cause mechanical failure, system malfunction, or unit breakdown. In the worst case, this could lead to a serious impediment to securing product safety. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
 	Do not turn the breaker off except the case of burning smell, or when performing maintenance or inspection. • The refrigerant leakage cannot be detected, and this may cause a fire. Do not install the unit in a place where smoke, gas, or chemicals may fill. • Do not use any gas equipment for propane, butane or methane, sprays such as bug killer, and paint etc., near by the indoor unit. • The refrigerant sensor reacts to it and displays an error. This may cause the unit not to operate.

 	(Procedure in case of refrigerant leakage) If the refrigerant leaks, extinguish a fire such as a heater, and ventilate the room adequately by opening the window. • Then contact your dealer. • The indoor unit spreads the refrigerant by fan mode to prevent a fire. Do not turn the breaker off during this situation.
 	Do not insert your finger, a stick, or other objects into the air inlet or outlet. • This may cause injury, since the fan inside rotates at high speeds during operation.
 	In case of an abnormal condition (such as a burning smell), stop the air conditioner and disconnect the power plug or turn the breaker off. • A continued operation in the abnormal state may cause a malfunction, fire, or electric shock. In this case, consult your dealer.
 	When the air conditioner does not cool or heat, there is a possibility of refrigerant leakage. If any refrigerant leakage is found, ventilate the room well and consult your dealer immediately. Do not turn the breaker off. If a repair involves recharging the unit with refrigerant, ask the service technician for details. • The refrigerant used in the air conditioner is not harmful. Normally, it does not leak. However, if refrigerant leaks and comes in contact with fire or heating part of such a fan heater, kerosene heater, or cooking stove, it will create harmful gas and there is risk of fire. The user should never attempt to wash the inside of the indoor unit. Should the inside of the unit require cleaning, contact your dealer. • Unsuitable detergent may cause damage to plastic material inside the unit, which may result in water leakage. Should detergent come in contact with electrical parts or the motor, it will result in a malfunction, smoke, or fire. • The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater). • Be aware that refrigerants may not contain an odour. • Do not use means to accelerate the defrosting process or to clean the appliance, other than those recommended by the manufacturer. • Do not pierce or burn. This unit should be installed in rooms which exceed the floor space specified in installation manual. • Refer to installation manual.
	This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by laypersons.

Safety Precautions

EN

 Caution	
	Do not touch the air inlet or the aluminum fins of the indoor/outdoor unit. • This may cause injury.
	Do not use insecticides or flammable sprays on the unit. • This may cause a fire or deformation of the unit.
	Do not expose pets or houseplants to direct airflow. • This may cause injury to the pets or plants.
	Do not place other electric appliances or furniture under the indoor/outdoor unit. • Water may drip down from the unit, which may cause damage or malfunction.
	Do not leave the unit on a damaged installation stand. • The unit may fall and cause injury.
	Do not step on an unstable bench to operate or clean the unit. • This may cause injury if you fall down.
	Do not pull the power cord. • This may cause a portion of the core wire to break, which may cause overheating or fire.
	Do not charge or disassemble the batteries, and do not throw them into a fire. • This may cause the batteries to leak, or cause a fire or explosion.
	Do not operate the unit for more than 4 hours at high humidity (80% RH or more) and/or with windows or outside door left open. • This may cause the water condensation in the air conditioner, which may drip down, wetting or damaging the furniture. • The water condensation in the air conditioner may contribute to growth of fungi, such as mold.
	Do not use the unit for special purposes, such as storing food, raising animals, growing plants, or preserving precision devices or art objects. • This may cause deterioration of quality, or harm to animals and plants.
	Do not expose combustion appliances to direct airflow. • This may cause incomplete combustion.
	Never put batteries in your mouth for any reason to avoid accidental ingestion. • Battery ingestion may cause choking and/or poisoning.
	Before cleaning the unit, switch it off and disconnect the power plug or turn the breaker off. • This may cause injury, since the fan inside rotates at high speeds during operation.
	Replace all batteries of the remote controller with new ones of the same type. • Using an old battery together with a new one may cause overheating, leakage, or explosion.
	If the battery fluid comes in contact with your skin or clothes, wash them thoroughly with clean water. • If the battery fluid comes in contact with your eyes, wash them thoroughly with clean water and immediately seek medical attention.
	Ensure that the area is well-ventilated when the unit is operated together with a combustion appliance. • Inadequate ventilation may cause oxygen starvation.
	Do not operate the air conditioner after applying protecting agent on the floor. • Components in the protecting agent may attach to the inside of the indoor unit, resulting in water leakage or splattering of dew.
	Turn the breaker off when you hear thunder and there is a possibility of a lightning strike. • The unit may be damaged if lightning strikes.
	After the air conditioner is used for several seasons, perform inspection and maintenance in addition to normal cleaning. • Dirt or dust in the unit may create an unpleasant odor, contribute to growth of fungi, such as mold, or clog the drain passage, and cause water to leak from the indoor unit. Consult your dealer for inspection and maintenance, which require specialized knowledge and skills.
	Do not operate switches with wet hands. • This may cause electric shock.
	Do not clean the air conditioner with water or place an object that contains water, such as a flower vase, on it. • This may cause fire or electric shock.
	Do not step on or place any object on the outdoor unit. • This may cause injury if you or the object falls down.

Important

Dirty filters cause condensation in the air conditioner which will contribute to the growth of fungi such as mold. It is therefore recommended to clean air filters every 2 weeks.

For installation

Warning

	Consult your dealer for installing the air conditioner. • It should not be installed by the user since installation requires specialized knowledge and skills. An improperly installed air conditioner may cause water leakage, fire, or electric shock.
	Provide a dedicated power supply for the air conditioner. • A non-dedicated power supply may cause overheating or fire.
	Do not install the unit where flammable gas could leak. • If gas leaks and accumulates around the outdoor unit, it may cause an explosion.
	Earth the unit correctly. • Do not connect the earth wire to a gas pipe, water pipe, lightning rod, or a telephone earth wire. Improper earthing may cause electric shock.

Caution

	Install an earth leakage breaker depending on the installation location of the air conditioner (such as highly humid areas). • If an earth leakage breaker is not installed, it may cause electric shock.
	Ensure that the drain water is properly drained. • If the drain passage is improper, water may drip down from the indoor/outdoor unit, wetting and damaging the furniture.

In case of an abnormal condition

Immediately stop operating the air conditioner and consult your dealer.

For Wi-Fi Interface

Warning

(Improper handling may have serious consequences, including serious injury or death.)

	This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
	Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
	Do not use the Wi-Fi interface nearby the medical electrical equipment or people who have a medical device such as a cardiac pacemaker or an implantable cardioverter-defibrillator. • It can cause an accident due to malfunctions of the medical equipment or device.
	Do not install the Wi-Fi interface nearby the automatic control devices such as automatic doors or fire alarms. • It can cause accidents due to malfunctions.
	Do not touch the Wi-Fi interface with wet hands. • It can cause damage to the device, electric shock, or fire.
	Do not splash water on the Wi-Fi interface or use it in a bathroom. • It can cause damage to the device, electric shock, or fire.
	When the Wi-Fi interface is dropped, or the holder or cable is damaged, disconnect the power supply plug or turn the breaker off. • It may cause fire or electric shock. In this case, consult your dealer.

Caution

(Improper handling may have consequences, including injury or damage to building.)

	Do not step on unstable stepstool to set up or clean the Wi-Fi interface. • It may cause injury if you fall down.
	Do not use the Wi-Fi interface nearby other wireless devices, microwaves, cordless phones, or facsimiles. • It can cause malfunctions.

Disposal



Fig. 1

To dispose of this product, consult your dealer.

Note:

This symbol mark is for EU countries only.

This symbol mark is according to the directive 2012/19/EU Article 14 Information for users and Annex IX, and/or to the directive 2006/66/EC Article 20 Information for end-users and Annex II.

Your MITSUBISHI ELECTRIC product is designed and manufactured with high quality materials and components which can be recycled and/or reused.

This symbol means that electrical and electronic equipment, batteries and accumulators, at their end-of-life, should be disposed of separately from your household waste.

If a chemical symbol is printed beneath the symbol (Fig. 1), this chemical symbol means that the battery or accumulator contains a heavy metal at a certain concentration. This will be indicated as follows:

Hg: mercury (0.0005%), Cd: cadmium (0.002%), Pb: lead (0.004%)

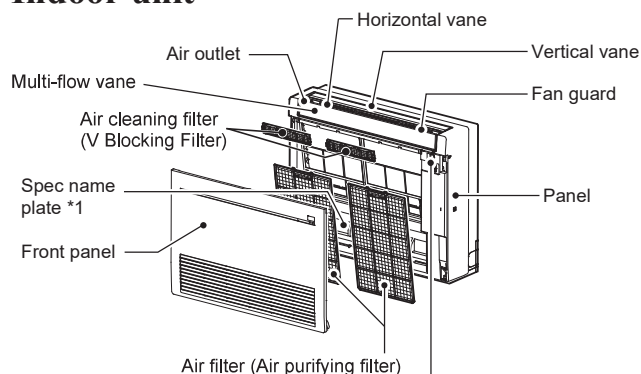
In the European Union there are separate collection systems for used electrical and electronic products, batteries and accumulators.

Please, dispose of this equipment, batteries and accumulators correctly at your local community waste collection/recycling centre.

Please, help us to conserve the environment we live in!

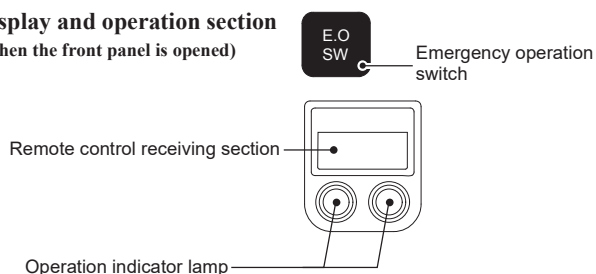
Name of Each Part

Indoor unit



*1 The manufacturing year and month is indicated on the spec name plate.

Display and operation section (When the front panel is opened)

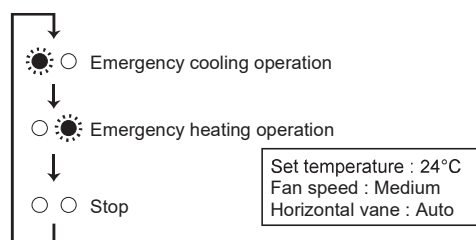


When the remote controller cannot be used...

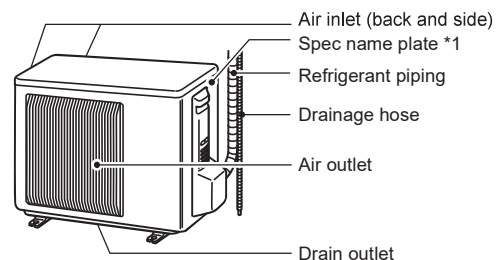
Emergency operation can be activated by pressing the emergency operation switch (E.O SW) on the indoor unit.

Each time the E.O SW is pressed, the operation changes in the following order:

Operation indicator lamp



Outdoor unit



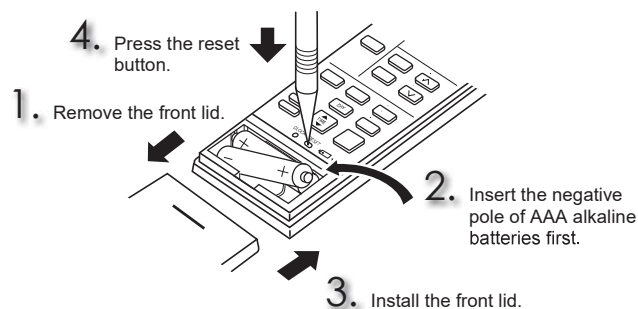
Outdoor units may be different in appearance.

*1 The manufacturing year and month is indicated on the spec name plate.

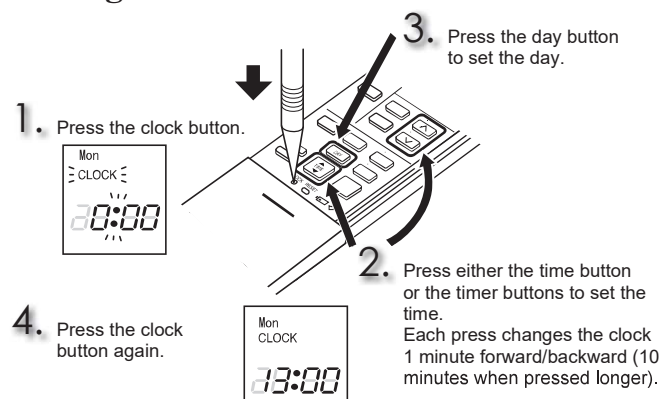
Preparation Before Operation

Before operation: Insert the power supply plug into the power outlet and/or turn the breaker on.

Installing the remote controller batteries



Setting current time



Preparation Before Operation

Remote controller

Battery replacement indicator

Operation display section

Temperature buttons

Operation select button

ECONO COOL button

I-SAVE button

Clock button

Signal transmitting section

Distance of signal :
About 6 m

Beep(s) is (are) heard from the indoor unit when the signal is received.

Off/On (stop/operate) button

Fan speed control button

Vane control button

Time, timer set buttons
forward button
backward button

Weekly timer set buttons

Reset button

Lid
Slide the lid down to open the remote controller. Slide it down further to get to the weekly timer buttons.

Time, timer set buttons

Change the time forward/backward

ON (On timer) : The unit turns on at the set time.

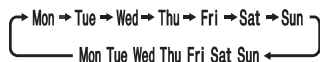
OFF (Off timer) : The unit turns off at the set time.

Press **▲** (forward) and **▼** (backward) to set the time of timer.

Weekly timer set buttons

Press **EDIT/SEND SET** to enter the weekly timer setting mode.

Press **DAY** and **1~4** to select setting day and number.



Press **ON/OFF**, **TIME**, and **TEMP** to set on/off, time, and temperature.

Press **EDIT/SEND SET** to complete and transmit the weekly timer setting.

Press **WEEKLY TIMER ON/OFF** to turn the weekly timer on. (**WEEKLY** lights.)

Press **WEEKLY TIMER ON/OFF** again to turn the weekly timer off. (**WEEKLY** goes out.)

OFF/ON

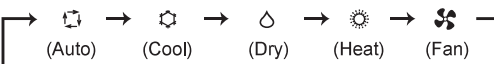


Off/On (stop/operate) button

MODE



Operation select button



TEMP

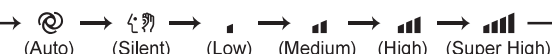


Temperature buttons

FAN



Fan speed control button

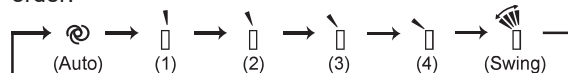


VANE



Vane control button

Press **VANE** to select vertical airflow direction. Each press will change airflow direction in the following order:



- Two short beeps will be heard from the indoor unit when set to Auto.
- Moving the horizontal vane/multi-flow vane manually can cause trouble.
- The horizontal vane/multi-flow vane automatically moves in certain intervals to determine its position, and then it returns to the set position.
- When the air outlet is switched between 1 flow and 2 flow, the horizontal vanes may move and change their positions.

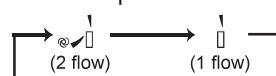
2FLOW/1FLOW



Vane control button

Press **2FLOW/1FLOW** to select the air outlet(s).

When 2 flow is selected, air blows from the top and the front of the unit. When 1 flow is selected, air blows only from the top of the unit.



The multi-flow vane is automatically set to the appropriate position. Even if 2 flow is selected, air will blow only from the top of the unit in the following conditions:

- During cool mode/dry mode: The room temperature is close to set temperature. The air conditioner has operated for 0.5 to 1 hour.
- During heat mode: The air flow temperature is low. (During defrosting operation, start of operation, etc.)

ECONO COOL



ECONO COOL button

The set temperature and the airflow direction are automatically changed by the microprocessor.

i save



I-SAVE button

A simplified set back function enables to recall the preferred (preset) setting with a single push of the **i save** button. Press the button again and you can go back to the previous setting in an instance.

EN

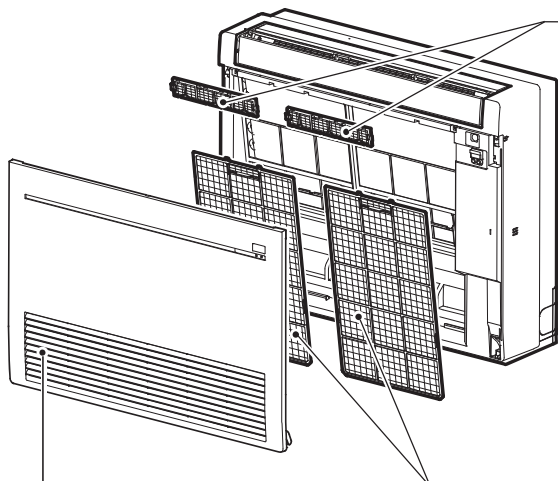
Cleaning

Instructions:

- Switch off the power supply or turn off the breaker before cleaning.
- Be careful not to touch the metal parts with your hands.
- Do not use benzine, thinner, polishing powder, or insecticide.
- When dirt stands out, wash it with kitchen neutral detergent diluted with lukewarm water to the specified concentration, then wipe off the detergent with a damp towel.

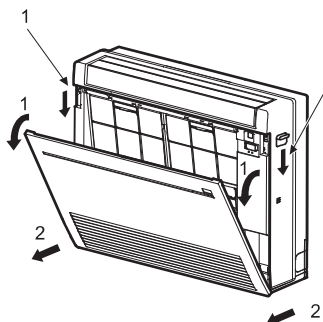
- Do not expose parts to direct sunlight, heat, or flames to dry.
- Do not use water hotter than 50°C.
- Do not use a scrubbing brush, a hard sponge, or the like.
- Do not soak or rinse the horizontal vane.
- Do not apply excessive force on the fan as it may cause cracks or breakage.

EN



Front panel

1. Push down the tab on the both sides of the unit to open the front panel.
 2. Pull the front panel toward you to remove it.
 3. Open the front panel completely and then remove it.
- Wipe with a soft dry cloth or wash it with water.
 - Do not soak it in water for more than two hours.
 - Dry it well in shade before installing it.
4. Install the front panel by following the removal procedure in reverse.



Air filter (Air purifying filter)

When it's time for filter cleaning

The operation indicator lamp blinks when operation starts and stops, which means that the filter needs to be cleaned.

- Remove dirt by a vacuum cleaner, or rinse with water.
- After washing with water, dry it well in shade.

After filter cleaning

To reset the blinking of operation indicator lamp, turn the breaker on and operate a remote controller as follows.

- Press and hold  until the indoor unit beeps while the remote controller is OFF.

Air cleaning filter (V Blocking Filter)

Back side of air filter

Clean every 3 months:

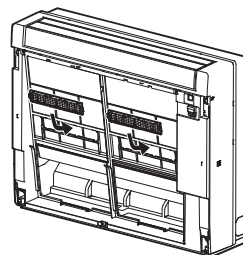
- Remove dirt by a vacuum cleaner.

When dirt cannot be removed by vacuum cleaning:

- Soak the filter and its frame in lukewarm water before rinsing it.
(Diluted mild detergents can be used when dirt cannot be removed.)
- After washing, dry it well in shade.

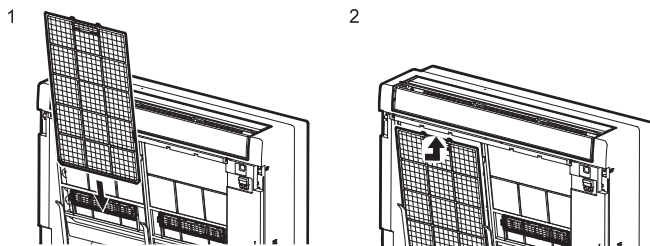
Every year:

- Replace it with a new air cleaning filter for best performance.
- Parts Number **MAC-2470FT-E**



Note:

- Silver-ionized air purifier filter (option) can also be used.
- Parts Number **MAC-2370FT-E**



Important

- **Clean the filters regularly for best performance and to reduce power consumption.**
- **Dirty filters cause condensation in the air conditioner which will contribute to the growth of fungi such as mold. It is therefore recommended to clean air filters every 2 weeks.**

This information is based on **REGULATION (EU) No 528/2012**

Model name	Treated Article (Parts name)	Active Substances (CAS No.)	Property	Instruction for Use (Safe handling information)
MFZ-KW25/35/50/60VGK	Filter	Silver sodium hydrogen zirconium phosphate (265647-11-8)	Antibacterial Antimold	• Use this product in line with the instruction manual indications and for the intended purpose only. • Do not put into mouth. Keep away from children.
		Dimethyloctadecyl[3-(trimethoxysilyl)propyl]ammonium chloride (27668-52-6)	Antivirus Antibacterial Antimold	• Use this product in line with the instruction manual indications and for the intended purpose only. • Do not put into mouth. Keep away from children.
MAC-2470FT-E	Filter	Dimethyloctadecyl[3-(trimethoxysilyl)propyl]ammonium chloride (27668-52-6)	Antivirus Antibacterial Antimold	• Use this product in line with the instruction manual indications and for the intended purpose only. • Do not put into mouth. Keep away from children.
MAC-2370FT-E	Filter	Silver zinc zeolite (130328-20-0)	Antibacterial	• Use this product in line with the instruction manual indications and for the intended purpose only. • Do not put into mouth. Keep away from children.

Wi-Fi Interface Setting Up

This Wi-Fi interface, communicates the status information and controls the commands from the MELCloud by connecting to the indoor unit. Refer to the installation manual for the detail. Download the MELCloud application. Please go to the website below. <https://www.melcloud.com/?qr=1>



Note:

- Set up a connection between the Wi-Fi interface and the Router.
- For MELCloud User Manual, please go to the website below. <https://www.melcloud.com/Support>

When You Think That Trouble Has Occurred

Even if these items are checked, when the unit does not recover from the trouble, stop using the air conditioner and consult your dealer.

Symptom	Explanation & Check points
Indoor unit	
The unit cannot be operated.	• Is the breaker turned on? • Is the power supply plug connected? • Is the on timer set?
The unit cannot be operated for about 3 minutes when restarted.	• This protects the unit according to instructions from the microprocessor. Please wait.
Mist is discharged from the air outlet of the indoor unit.	• The cool air from the unit rapidly cools moisture in the air inside the room, and it turns into mist.
White smoke is discharged from the air inlet of the indoor unit.	• When the heating operation starts after the defrosting operation, vapor generated from the condensation on the heat exchanger looks like white smoke.
The swing operation of the horizontal vane is suspended for a while, then restarted.	• This is for the swing operation of the horizontal vane to be performed normally.
The air flow direction changes during operation. The direction of the horizontal vane/multi-flow vane cannot be adjusted with the remote controller.	• In the heating operation, if the air flow temperature is too low or when defrosting is being done, the horizontal vane is automatically set to vertical position. The multi-flow vane is set to the closed position. • When the air conditioner is operated in cool mode or dry mode, if the operation continues with air blowing horizontally for 1 hour, the direction of the air flow is automatically set to position (1) to prevent condensed water from dropping. The multi-flow vane is set to the closed position. • The horizontal vane and the multi-flow vane automatically moves in certain intervals to determine its position, and then it returns to the set position.
The operation is stopped for about 10 minutes in the heating operation.	• Defrosting of the outdoor unit is being done. Since this is completed in max.10 minutes, please wait. (When the outside temperature is too low and humidity is too high, frost is formed.)
The unit starts operation by itself when the main power is turned on, though it isn't operated with the remote controller.	• These models are equipped with an auto restart function. When the main power is turned off without stopping the unit with the remote controller and is turned on again, the unit starts operation automatically in the same mode as the one set with the remote controller just before the shutoff of the main power. Refer to "Auto restart function".
In cool mode/dry mode, when the room temperature reaches near the set temperature, the outdoor unit stops, then the indoor unit operates at low speed.	• When the room temperature deviates from the set temperature, the indoor fan starts running according to the settings on the remote controller.
The multi-flow vane opens and closes automatically.	• The multi-flow vane is automatically controlled by a microcomputer according to the air flow temperature and operation time of the air conditioner.
The indoor unit which is not operating becomes warm and a sound, similar to water flowing, is heard from the unit.	• A small amount of refrigerant continues to flow into the indoor unit even though it is not operating.
The indoor unit discolors over time.	• Although plastic turns yellow due to the influence of some factors such as ultraviolet light and temperature, this has no effect on the product functions.
The walls around the indoor unit have smudges.	• It is because the walls get dust in the air due to air circulation by the air conditioner.
Water leaks from the indoor unit.	• Does water flow smoothly from the edge of the drain hose?
The Operation indicator lamp blinks when operation starts and stops.	• Isn't it an indication for filter cleaning?
Outdoor unit	
The fan of the outdoor unit does not rotate even though the compressor is running. Even if the fan starts to rotate, it stops soon.	• When the outside temperature is low during cooling operation, the fan operates intermittently to maintain sufficient cooling capacity.
Water leaks from the outdoor unit.	• During cooling operation and dry operation, pipe or pipe connecting sections are cooled and this causes water to condense. • In the heating operation, water condensed on the heat exchanger drips down. • In the heating operation, the defrosting operation makes water frozen on the outdoor unit melt and drip down.
White smoke is discharged from the outdoor unit.	• In the heating operation, vapor generated by the defrosting operation looks like white smoke.

When You Think That Trouble Has Occurred

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Symptom	Explanation & Check points
Remote controller	
The display on the remote controller does not appear or it is dim. The indoor unit does not respond to the remote control signal.	- Are the batteries exhausted? - Is the polarity (+, -) of the batteries correct? - Did you press the reset button after replacing the batteries? - Is the setting of multiple indoor units' installation the same as before replacing the batteries? - Are any buttons on the remote controller of other electric appliances being pressed? - The indoor unit may not receive the signal well depending on the condition in the room. Get close to the indoor unit and operate the remote controller.
Does not cool or heat	
The room cannot be cooled or heated sufficiently.	- Is the temperature setting appropriate? - Is the fan setting appropriate? Please change fan speed to High or Super High. - Is the air outlet selection is set to 1 flow? Set it to 2 flow. - Is the filter clean? - Is the fan or heat exchanger of the indoor unit clean? - Are there any obstacles blocking the air inlet or outlet of the indoor or outdoor unit? - If there is an obstacle above the indoor unit, the room may not be cooled or warmed due to insufficient airflow. - If something is blocking the airflow from the downward airflow flap during 2 flow (upward and downward airflow), the airflow will be weakened and the room temperature will not be detected correctly. - Do not place any obstacles near the unit as it will become difficult to heat or cool the entire room. If you cannot move obstacles, set () on the remote controller to 1 flow operation (upward airflow). - Is a window or door open? - It may take a certain time to reach the setting temperature or may not reach that depending on the size of the room, the ambient temperature, and the like.
The room cannot be cooled sufficiently.	- When a ventilation fan or a gas cooker is used in a room, the cooling load increases, resulting in an insufficient cooling effect. - When the outside temperature is high, the cooling effect may not be sufficient.
The room cannot be heated sufficiently.	When the outside temperature is low, the heating effect may not be sufficient.
Air does not blow out soon in the heating operation.	Please wait as the unit is preparing to blow out warm air.
Airflow	
The air from the indoor unit smells strange.	- Is the filter clean? - Is the fan or heat exchanger of the indoor unit clean? - The unit may suck in an odor adhering to the wall, carpet, furniture, cloth, etc. and blow it out with the air.

Symptom	Explanation & Check points
Sound	
Cracking sound is heard.	This sound is generated by the expansion/contraction of the panel, etc. due to change in temperature.
"Bubbling" sound is heard.	- This sound is heard when the outside air is absorbed from the drain hose by turning on the range hood or the ventilation fan, making water flowing in the drain hose to spout out. - This sound is also heard when the outside air blows into the drain hose in case the outside wind is strong.
Mechanical sound is heard from the indoor unit.	This is the switching sound in turning on/off the fan or the compressor.
The sound of water flowing is heard.	This is the sound of refrigerant or condensed water flowing in the unit.
Hissing sound is sometimes heard.	This is the sound when the flow of refrigerant inside the unit is switched.
The sound of motor and swirling sound is heard from the indoor unit.	- This is the sound of water condensed during cooling operation/dry operation being drained from the indoor unit. - Sound of water draining may also be heard from indoor units which are not operating. (The sound will stop automatically. Please wait.)
Heating operation stops and the sound is heard.	- The outdoor unit is defrosting. Heating operation starts after the frost on the outdoor unit has been removed. This can take about 2 to 10 minutes. - Cracking sound, Sound of water flowing, Hissing sound and Whistling sound are heard.
Timer	
Weekly timer does not operate according to settings.	- Is the on/off timer set? - Transmit the setting information of the weekly timer to the indoor unit again. When the information is successfully received, a long beep will sound from the indoor unit. If information fails to be received, 3 short beeps will be heard. Ensure information is successfully received. - When a power failure occurs and the main power turns off, the indoor unit built-in clock will be incorrect. As a result, the weekly timer may not work normally. - Be sure to place the remote controller where the signal can be received by the indoor unit.
The unit starts/stops the operation by itself.	Is the weekly timer set?
Dirt	
The ceiling and wall around the indoor unit get dirty.	- Please clean the periphery of the air conditioner frequently. - Stains can be prevented by reducing the amount of air directed toward the ceiling and the walls and by adjusting the vertical wind direction.
Wi-Fi Interface	
When error occurs during connection setup or operation.	Refer to the SETUP MANUAL. For SETUP MANUAL, please go to the website below. https://www.melcloud.com/Support
Other	
The aluminum fin on the edge of the heat exchanger is discolored as if it is burnt.	- This is the coating resin discolored due to welding heat when the heat exchanger was being produced. - The operation of the air conditioner is not the cause of the discoloration. - It affects neither the performance of the heat exchanger nor the use of the air conditioner.

In the following cases, stop using the air conditioner and consult your dealer.

- When water leaks or drips from the indoor unit.
- When the left operation indicator lamp blinks.
- When the breaker trips frequently.
- The remote control signal is not received in a room where an electronic on/off type fluorescent lamp (inverter-type fluorescent lamp, etc.) is used.
- Operation of the air conditioner interferes with radio or TV reception. An amplifier may be required for the affected device.
- When an abnormal sound is heard.
- When any refrigerant leakage is found.



Manual Download



Specifications

Model	Indoor		MFZ-KW25VGK-E1		MFZ-KW35VGK-E1		MFZ-KW50VGK-E1		MFZ-KW60VGK-E1	
	Outdoor		MUFZ-KW25VGHZ2-E1		MUFZ-KW35VGHZ2-E1		MUFZ-KW50VGHZ2-E1		MUFZ-KW60VGHZ2-E1	
Function			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Power supply			~N, 230 V, 50 Hz							
Capacity		kW	2.5	3.4	3.5	4.3	5.0	6.0	6.1	6.5
Input		kW	0.57	0.83	0.90	1.21	1.36	1.62	1.73	1.88
Weight	Indoor	kg	15							
	Outdoor	kg	35				54			
Refrigerant filling capacity (R32)		kg	1.0				1.3			
IP code	Indoor		IP20							
	Outdoor		IP24							
Permissible excessive operating pressure	LP ps	MPa	2.77							
	HP ps	MPa	4.17							
Noise level (SPL)	Indoor (Super High/High/Med./Low/Silent)	dB(A)	39/35/30/25/20	41/35/30/25/18	39/35/30/25/20	41/35/30/25/18	44/39/35/31/27	50/45/40/35/29	53/46/39/35/27	51/47/41/35/29
	Outdoor	dB(A)	47	46	47	47	50	54	52	56

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Guaranteed operating range

		Indoor	Outdoor
Cooling	Upper limit	32°C DB 23°C WB	*Note 2
	Lower limit	21°C DB 15°C WB	
Heating	Upper limit	27°C DB —	
	Lower limit	20°C DB —	

DB: Dry Bulb
WB: Wet Bulb

Note:

- Rating condition
Cooling — Indoor: 27°C DB, 19°C WB
Outdoor: 35°C DB
Heating — Indoor: 20°C DB
Outdoor: 7°C DB, 6°C WB
- As for specifications, please confirm your dealer and/or refer to the catalogue.

Wi-Fi interface

Model	MAC-597IFB-E
Input Voltage	DC13 V (from indoor unit)
Power consumption	MAX. 2 W
Size H×V×D (mm)	73.5×41.5×18.5
Weight (g) (including cable)	42
Transmitter power level (MAX.)	20 dBm @IEEE 802.11b
RF channel	1ch ~ 13ch (2412~2472 MHz)
Radio protocol	IEEE 802.11b/g/n (20)
Encryption	AES
Authentication	WPA2-PSK
Software Version	XX.00
For Declaration of Conformity, please go to the website.	http://www.mitsubishielectric.com/ldg/ibim/

Wi-Fi interface setting information

Indoor unit model name	
Indoor unit serial number	
Outdoor unit model name	
Outdoor unit serial number	
Wi-Fi interface MAC address (MAC)	
Wi-Fi interface serial number (ID)	
System commissioning date	
Wi-Fi interface installation date	

Installer contact details

Name	
Telephone number	