

814100377A

Midea

Inverter Window

USER MANUAL

PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATING YOUR UNIT AND RETAIN FOR FUTURE REFERENCE.

CAUTION

- For support, please contact a service center.
- This unit is not intended for use by people (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 unit by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the unit.
- The unit shall be installed in accordance with national wiring regulations.
- Do not operate the air conditioner in a humid room such as a bathroom or laundry room.

SAFETY PRECAUTIONS

This manual provides valuable information on the proper use and maintenance of an air conditioner. With a small amount of preventive care, significant time and money can be saved throughout the lifespan of the unit. Troubleshooting tips are included to address common issues, many of which can be resolved quickly without the need for professional service. While these instructions cover a wide range of scenarios, they may not address every possible condition of use. Therefore, it is essential to exercise common sense and prioritize safety during installation, operation, and maintenance of the air conditioner.

Explanation of Symbols

- WARNING**
- The signal word indicates a hazard with a medium level of risk which, if not avoided, may result in death or serious injury.
- CAUTION**
- The signal word indicates a hazard with a low degree of risk which, if not avoided, may result in minor or moderate injury.

Read these operating instructions carefully and attentively before using/ commissioning the unit and keep them in the immediate vicinity of the installation site or unit for later use!

WARNING

- Plug in power plug properly. Otherwise, it may cause electric shock or fire due to excess heat generation.
- Do not operate or stop the unit by inserting or pulling out the power plug. It may cause electric shock or fire due to heat generation.
- Do not damage or use an unspecified power cord. It may cause electric shock or fire. If the power cord is damaged, it must be replaced by the manufacturer or an authorized service center or a similarly qualified person in order to avoid a hazard.
- Always ensure effective grounding. Incorrect grounding may cause electric shock.
- Do not operate with wet hands or in damp environment. It may cause electric shock.
- Do not allow water to run into electric parts. It may cause failure of machine of electric shock.
- Do not modify power cord length. It may cause electric shock or fire due to heat generation.
- Do not use the socket if it is loose or damaged. It may cause fire and electric shock.
- Unplug the unit if strange sounds, smell, or smoke comes from it. It may cause fire and electric shock.
- Do not disassemble or modify unit. It may cause failure and electric shock.
- Do not open the unit during operation. It may cause electric shock.
- In North America, installation must be performed in accordance with the requirement of NEC and CEC by authorized personnel only.
- Always install circuit breaker and a dedicated power circuit. Incorrect installation may cause fire and electric shock.
- Do not direct airflow at room occupants only. This could damage your health.
- Do not use the power cord near flammable gas or combustibles, such as gasoline, kerosene, thinner, etc. It may cause an explosion or fire.
- Keep firearms away. It may cause fire.
- Do not use the power cord close to heating appliances. It may cause fire and electric shock.
- Ventilate room before operating air conditioner if there is a gas leakage from another appliance. It may cause explosion, fire and, burns.

CAUTION

- This unit is not intended for use by people (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 unit by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance. If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified person in order to avoid a hazard.
- The unit shall be installed in accordance with national wiring regulations.
- Do not operate your air conditioner in a wet room such as a bathroom or laundry room.
- The unit with electric heater shall have at least 1 meter of space to the nearest combustible material.
- Contact the authorized service technician for repair or maintenance of this unit.
- When the air filter is to be removed, do not touch the metal parts of the unit. It may cause an injury.
- Do not put a pet or house plant where it will be exposed to direct air flow. This could injure the pet or plant.
- Ventilate the room well when used together with a stove, etc. An oxygen shortage may occur.
- Do not use strong detergent such as wax or thinner but use a soft cloth. Appearance may be deteriorated due to change of product color or scratching of its surface.
- Do not clean the air conditioner with water. Water may enter the unit and degrade the insulation. It may cause an electric shock.
- Do not use for special purposes. Do not use this air conditioner to preserve precision devices, food, pets, plants, and art objects. It may cause deterioration of quality, etc.
- Stop operation and close the window in storm or hurricane. Operation with windows opened may cause wetting of indoor and soaking of household furniture.
- When the unit is to be cleaned, switch off, and turn off the circuit breaker. Do not clean unit when power is on as it may cause fire and electric shock, it may cause an injury.
- Ensure that the installation bracket of the outdoor appliance is not damaged due to prolonged exposure. If bracket is damaged, there is concern of damage due to falling of unit.
- Always insert the filters securely. Clean filter once every two weeks. Operation without filters may cause failure.
- Do not place obstacles around air-inlets or inside of air-outlet. It may cause failure of appliance or accident.
- Hold the plug by the head of the power plug when taking it out. It may cause electric shock and damage.
- Do not place heavy object on the power cord and ensure that the cord is not compressed. There is danger of fire or electric shock.
- Turn off the main power switch when not using the unit for a long time. It may cause failure of product or fire.
- Do not drink water drained from air conditioner. It contains contaminants and could make you sick.
- Use caution when unpacking and installing. Sharp edges could cause injury.
- If water enters the unit, turn the unit off at the power outlet and switch off the circuit breaker. Isolate supply by taking the power-plug out and contact a qualified service technician.

NOTE

The power supply cord with this air conditioner contains a current detection device designed to reduce the risk of fire. Please refer to the section Operation of Current Device for details. In the event that the power cord is damaged, it cannot be repaired - it must be replaced with a cord from the product manufacturer.

WARNING

Avoid fire hazard or electric shock. Do not use an extension cord or an adapter plug. Do not remove any prongs from the power cord.

For Your Safety

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WARNING

Prevent Accidents

- To reduce the risk of fire, electrical shock, or injury when using your air conditioner, follow basic precautions, including the following:
- Be sure the electrical service is adequate for the model you have chosen. This information can be found on the serial plate, which is located on the side of the cabinet and behind the grille.
 - It is recommended to clean both sides of the window glass first. If the window has a screen panel included on the lower portion, the screen panel should be removed before installation.
 - Be sure the air conditioner has been securely and correctly installed according to the installation instructions in this manual. Save this manual for possible future use in removing or installing this unit.
 - When handling the air conditioner, be careful to avoid cuts from the sharp metal fins on the front and rear coils.

Electrical Information

- The complete electrical rating of your new room air conditioner is stated on the serial plate. Refer to the rating when checking the electrical requirements.
- Be sure the air conditioner is properly grounded. To minimize shock and fire hazards, proper grounding is important. The power cord is equipped with a three-prong grounding plug for protection against shock hazards.
 - The air conditioner must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle. Ensure the receptacle is accessible after the unit installation.
 - Do not run air conditioner without side protective cover in place. This could result in mechanical damage within the air conditioner.
 - Do not use an extension cord or an adapter plug.

Operation of Current Device
(Applicable to only units with a current detection device)

- The power supply cord contains a current device that senses damage to the power cord. To test your power supply cord do the following:
- Plug in the Air Conditioner.
 - The power supply cord will have TWO buttons on the plug head. Press the TEST button, you will notice a click as the RESET button pops out.
 - Press the RESET button, again you will notice a click as the button engages.
 - The power supply cord is now supplying electricity to the unit. On some products, this is also indicated by a light on the plug head.

NOTE

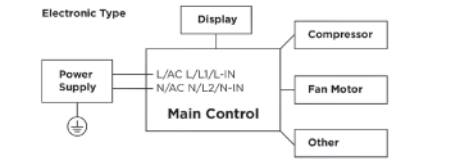
- Do not use this device to turn the unit on or off.
 - Always make sure the RESET button is pushed in for correct operation.
 - The power supply cord must be replaced if it fails to reset when either the TEST button is pushed or if it cannot be reset. A new one can be obtained from the product manufacturer.
 - If power supply cord is damaged, it cannot be repaired. It MUST be replaced by one obtained from the product manufacturer.
- NOTE: This air conditioner can not be as a primary heat source; This air conditioner is designed to be operated under the following conditions:

Cooling operation	Outdoor temp.	64-109°F /18-43°C (64-125°F /18-52°C)
	Indoor temp.	60-90°F /16-32°C

- The relative humidity of the room should be less than 80%. If the unit is used in a condition with a relative humidity over 80%, there will be condensed water on the surface of the unit.
- Always wait 3 minutes when turning the unit off and then on again, or when changing room cool to fan and back to cool. This prevents damage from occurring to the compressor.
- Performance may be reduced outside of these operating temperatures.

Electronic Work

- WARNING:**
- BEFORE PERFORMING ANY ELECTRICAL OR WIRING WORK, TURN OFF THE MAIN POWER TO THE SYSTEM.



NOTE: Please strictly follow the wiring label attached to the machine for all wiring connections. The wiring diagram may vary for different unit. Please refer to the wiring diagram on the machine you have purchased. The above wiring diagram is a simplified version for preliminary illustration purposes only.



CAUTION: Risk of fire flammable materials

IMPORTANT NOTE: Read this manual carefully before installing or operating your new appliance unit. Make sure to save this manual for future reference.

Explanation of symbols displayed on the unit

	CAUTION	This symbol indicates that the operation manual should be read carefully.
	CAUTION	This symbol indicates that a service personnel should be handling this unit with reference to the installation manual.
	CAUTION	This symbol indicates that information is available such as the operating manual or installation manual.

WARNING

- Servicing shall only be performed as recommended by the manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
 - DO NOT modify the length of the power cord or use an extension cord to power the unit.
 - DO NOT share a single outlet with other electrical appliances. Improper power supply can cause fire or electrical shock.
 - Please follow the instruction carefully to handle, install, clear, service the unit to avoid any damage or hazard.
- Flammable Refrigerant R32 is used within appliance.

CAUTION

- Contact an authorized service technician for repair or maintenance of this unit.
- The air conditioner is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- If the power cord needs to be replaced, please contact our consumer service and look for an authorized technician.
- Electrical installation must be performed in accordance to national regulation standards by qualified personnel only.

Please read through these instructions before you start the installation process. Improper installation can cause damage to the unit, your personal property, and also poses a personal safety hazard.

WARNINGS (for using R32 refrigerant only)

- Do not use any means to accelerate the defrosting process or to clean the unit, other than those recommended by the manufacturer.
- Do not use or store the appliance in spaces with potential ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
- Be sure the electrical service is adequate for the model you have chosen. This information can be found on the serial plate, which is located on the side of the cabinet and behind the grille.
- Keep ventilation openings clear of obstruction.
- Store the appliance in a way that will prevent mechanical damage from occurring.
- Store the appliance in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.
- Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
- Flammable refrigerant (R32) is used within the air conditioner. please follow the instruction carefully to avoid any hazard. For specific information on the type of gas and the amount, please refer to the relevant label on the unit itself.
- Do not run air conditioner without side protective cover in place. This could result in mechanical damage within the air conditioner.
- When maintaining or disposing of the air conditioner, the refrigerant (R32) shall be recovered properly, do not discharge to air directly.

To prevent injury to the user or other people and property damage, the instructions shown here must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage. The level of risk is shown by the following indications. Please read through these instructions before you start the installation process. Improper installation can cause damage to the unit, your personal property, and also poses a personal safety hazard.

- Installation must be performed according to the installation instructions. Improper installation can cause water leakage, electrical shock, or fire.
- Use only the included accessories and parts, and specified tools for the installation. Using non-standard parts can cause water leakage, electrical shock, fire, and injury or property damage.

- Make sure that the outlet you are using is grounded and has the appropriate voltage. The power cord is equipped with a three-prong grounding plug to protect against shock. Voltage information can be found on the side of the unit, behind the grille.
- Install the unit on a flat, sturdy surface. Failure to do so could result in damage or excessive noise and vibration.
- The unit must be kept free from obstruction to ensure proper functioning and to mitigate safety hazards.
- DO NOT modify the length of the power cord or use an extension cord to power the unit. DO NOT share a single outlet with other electrical appliances. Improper power supply can cause fire or electrical shock.
- DO NOT install your air conditioner in a wet room such as a bathroom or laundry room. Exposure to water can cause electrical components to short circuit.
- DO NOT install the unit in a location that may be exposed to combustible gas, as this could cause fire.

- The unit has wheels to facilitate moving. Do not attempt to roll the unit across thick carpet or to roll over objects, as this could cause the unit to tip over.
- DO NOT attempt to operate a unit that has been dropped or damaged.
- DO NOT allow children to play with the air conditioner. Children must be supervised around the unit at all times.
- If the air conditioner is knocked over during use, turn off the unit and unplug it from the main power supply immediately. Visually inspect the unit to ensure there is no damage. If you suspect the unit has been damaged, contact a technician or customer service for assistance.
- In a thunderstorm, the unit should be turned off to avoid damage to the machine due to lightning.

- 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.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Prior to cleaning or other maintenance, the appliance must be disconnected from the supply mains.
- Do not install the appliance in a location that may be exposed to combustible gas. If combustible gas accumulates around the unit, it may cause fire.
- Do not run the power cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- To reduce the risk of fire or electric shock, do not use this air conditioner with any solid-state speed control device.
- The appliance shall be installed in accordance with national wiring regulations.
- Contact the authorized service technician for repair or maintenance of this unit.
- Contact the authorized installer for installation of this unit.
- When there are significant differences between features or operation implied by the remote control illustration and the actual functions described in the USER MANUAL, the descriptions in the USER MANUAL shall prevail.
- Do not mix old and new batteries.
- Do not mix alkaline.

Caution: Risk of fire/flammable materials
(Required for R32/R290 units only)

INSTALLATION INSTRUCTIONS

WARNING

Read these instructions completely and carefully.

- IMPORTANT:** Save these instructions.
- IMPORTANT:** Observe all governing codes and ordinances.

It is recommended that two people install this product.

Proper installation is the responsibility of the installer.

Product failure due to improper installation is not covered under the Limited Warranty.

All supplied parts must be used, and proper installation procedures, as outlined in these instructions, must be followed when installing the air conditioner.

Do not, under any circumstances, cut or remove the third (ground) prong from the power cord.

Do not change the plug on the power cord of the air conditioner.

Aluminum house wiring may present special problems - consult a qualified electrician.

When handling the air conditioner, be careful to avoid cuts from sharp metal edges and aluminum fins on front and rear coils. Please wear cut-resistant gloves.

Bracket should only be used for its intended purpose. If not, the warranty will be voided.

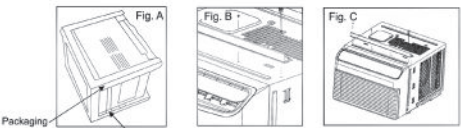
Accessory type and quantity may vary depending on the model.

NOTICE

- SAVE CARTON and these INSTALLATION INSTRUCTIONS for future reference. The carton is the best to store unit during winter, or when not in use.
- DO NOT USE ANY SCREWS OTHER THAN THOSE SPECIFIED HERE.
- FOR SAFETY REASONS, THE TOP RAIL MUST BE SECURELY FASTENED WITH ALL SCREWS.

Before installing unit, the top rail must be assembled on the unit.

- Remove the air conditioner from the carton and place on a flat surface.
- Remove top rail from the rear of the packaging material as shown in Fig. A.
- Align the hole in the top rail with those in the top of the unit as shown in Fig. B.
- Secure the top rail to the unit with Screws as shown in Fig. C.



Installation

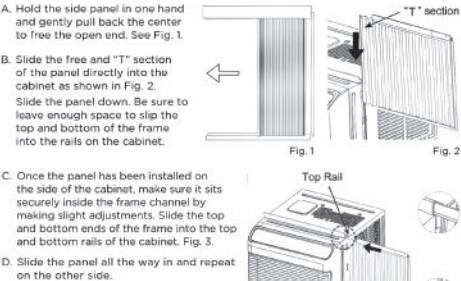
LEFT + RIGHT FILLER PANEL ASSEMBLY

NOTICE

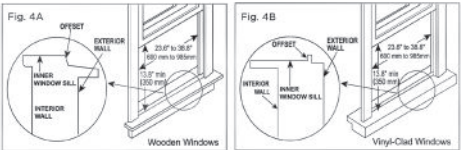
Top Rail and Side Panels at each side are offset to provide the proper pitch to the rear. This is necessary for proper condensed water utilization and drainage. If you are not using the Side Panels for any reason, this pitch to the rear must be maintained!

1. Install Side Filler Panels

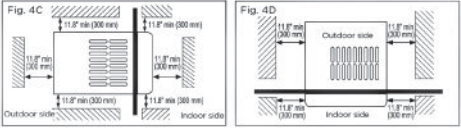
Place unit on floor, a bench or a table. There is a left and right side filler panels - be sure to use the proper panel for each side. When installed, the flange for securing the panel in place to the window sill will be facing into the room.



The air conditioner is designed to install in standard double hung windows with opening widths of 23.6 to 38.8 inches (600 mm to 985mm) (Fig. 4A, Fig. 4B). Lower sash must open sufficiently to allow a clear vertical opening of 13.8 inches (350 mm).



Side louvers and the rear of the air conditioner must have clear air space to allow enough airflow through the condensers, for heat removal. The rear of the unit must be outdoors, not inside a building or garage. There should be at least 11.8 inches (300 mm) clearance around the unit. See Fig. 4C & Fig. 4D.



2. Storm Window

If the air conditioner is blocked by Storm Window, add wood as shown in Fig. 5, or remove storm window before air conditioner is installed.

If Storm Window Frame must remain, be sure the drain holes or slots are not caulked or painted shut. Accumulated Rain Water or Condensation must be allowed to drain out.

3. Place the Unit Into the Window

Keep a firm grip on the air conditioner, carefully place the unit into the window opening so the bottom of the air conditioner frame is against the window sill (Fig. 6A & Fig. 6B). Carefully close the window behind the top rail of the unit.

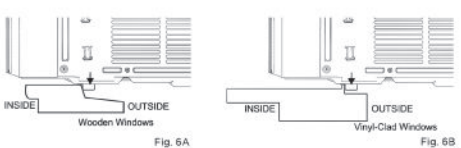


Fig. 6A

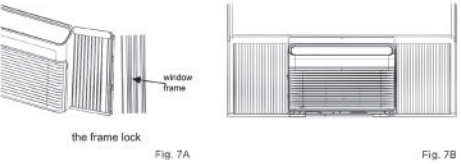
Fig. 6B

Fig. 6A

Fig. 6B

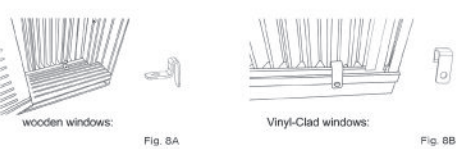
4. Extend the Side Panels

Extend the side panels out against the window frame (Fig. 7A for wooden windows), (Fig. 7B for Vinyl-Clad windows).



5. Install the Frame Lock

Place the frame lock between the frame extensions and the window sill as shown (Fig. 8A for wooden windows), (Fig. 8B for Vinyl-Clad windows).



6. Drive Locking Screws

A: For wooden windows:
Drive locking screws through the frame lock and into the window sash (Fig. 9B).

NOTICE

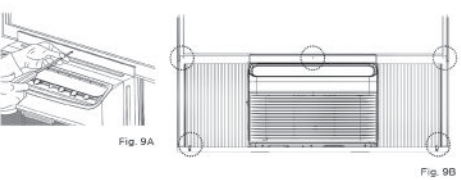
Before driving the screws, use a drill to drill 5 holes through the holes in the frame lock and frame extensions into the window sash as shown (Fig. 9B).

B: For Vinyl-Clad windows:
Drive locking screws through the frame lock and into the sill (Fig. 9A).

NOTICE

To prevent window sill from splitting, drill pilot holes before driving screws.

Drive locking screws through frame holes into window sash (Fig. 9B).



7. Secure Lower Sash

A: To secure lower sash in place, attach right angle sash lock with screw as shown (Fig. 10).



Fig. 10

B: Cut foam window seal and insert it into the space between the upper and lower sashes (Fig. 11).

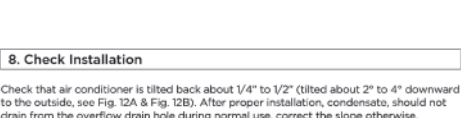


Fig. 11

8. Check Installation

Check that air conditioner is tilted back about 1/4" to 1/2" (tilted about 2" to 4" downward to the outside, see Fig. 12A & Fig. 12B). After proper installation, condensate, should not drain from the overflow drain hole during normal use, correct the slope otherwise.

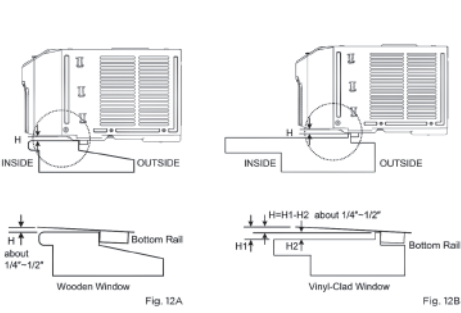


Fig. 12A

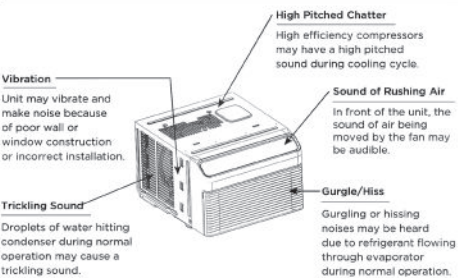
Fig. 12B

Fig. 12A

Fig. 12B

OPERATING INSTRUCTIONS

Normal Operating Sounds



NOTICE

All the illustrations in this manual are for explanation purpose only. The actual installation may vary.

Air Conditioner Features

WARNING

To reduce the risk of fire, electrical shock, or injury to people or property, read the SAFETY PRECAUTIONS before operating this appliance.

Cooling Operation	Outdoor temp.	64°F - 109°F / 18°C - 43°C
	Indoor temp.	60°F - 90°F / 16°C - 32°C

NOTICE

- The relative humidity of the room should be less than 80%. If the unit is used in a condition with a relative humidity over 80%, there will be condensed water on the surface of the unit.
- Performance may be reduced outside of these operating temperatures.

NOTICE

Always wait 3 minutes when turning the unit off and then on again, or when changing from cool to fan and back to cool. This prevents damage from occurring to the compressor.

To begin operating the air conditioner, follow these steps:

- Plug in the air conditioner (be sure to follow the power cord instructions).
- Turn the power on to the air conditioner, using the ON/OFF button.
- Set the thermostat to the coldest temperature setting.
- Select the Cool mode setting.
- Adjust the louvers for comfortable air flow (see Air Directional Louvers).
- Once the room has cooled, adjust the thermostat to the setting you find most comfortable 7. Make sure the air flow inside and outside is not obstructed by anything.

Air Directional Louvers

The louvers allow for adjustment of airflow both vertically (up or down) and horizontally (left or right) throughout the room. To adjust the up/down direction, use the SWING button until the desired position is reached. For left/right adjustment, manually move the louvers to the desired direction.



ELECTRONIC CONTROL OPERATING INSTRUCTIONS



Operation buttons

- POWER button**
Press ON/OFF button to turn unit on or off.
NOTE: The unit will automatically initiate the Energy Saver function under cool, Dry, and Auto modes.
- ECO button**
Press ECO button to initiate this function. This function is available on COOL, DRY, and AUTO (only AUTO-COOLING and AUTO-FAN) modes. The fan will continue to run for 3 minutes after the compressor shuts off. The fan then cycles on for 2 minutes at 10 minute intervals until the room temperature is above the set temperature, at which time the compressor turns back on and Cooling Starts.

Press ECO button for 3 seconds to initiate the Filter feature. This feature is a reminder to clean the Air Filter for more efficient operation. The LED (the light above the button) will illuminate after 250 hours of operation.

Press FAN button to select the Fan Speed in four steps: Auto, Low, Med or High. Each time the button is pressed, the fan speed mode is shifted. For some models, the fan speed can not be adjusted.

Press buttons to change temperature setting.

NOTE: Press or hold either or button until the desired temperature is shown on the display. This temperature will be automatically maintained anywhere between 60°F (16°C) and 86°F (30°C). For the display to show the actual room temperature, refer to the "To Operate on Fan Only" section.

MODE button

To choose operating mode, press the MODE button. Each time you press the button, a mode is selected in a sequence that goes from, Auto, Cool, Dry and Fan. The indicator light beside the button will be illuminated and will remain on once that mode is selected. The unit will automatically initiate the Energy Saver function under Cool, Dry, and Auto (only Auto-Cooling and Auto-Fan) modes.

1. To operate on Auto feature:

• When the air conditioner is set to Auto mode, it will automatically choose either cooling or fan-only operation based on the selected temperature and the current room temperature.

2. To operate on COOL mode:
- Choose Cool Mode to set the cooling function. Use the Up and Down buttons to choose the desired temperature. When Cool Mode is selected, the fan speed can be adjusted by pressing the fan button.
3. To operate on Dry mode:
- In this mode, the air conditioner will generally operate as a dehumidifier. Since the conditioned space is a closed or sealed area, some degree of cooling will continue. On Dry mode, the fan speed is not adjustable.
4. To operate on Fan Only:
- Use this function only when cooling is not desired, such as for room air circulation or to exhaust stale air (on some models). (Remember to open the vent during this function, but keep it closed during cooling for maximum cooling efficiency.)
 - In Fan only mode, the temperature is not adjusted.
- ⑥ **TIMER button**
- Press Timer button, the TIMER indicator light illuminates. It indicates the Auto Start or Auto Stop program is initiated. For some units, continuing to press the Timer button will cancel the timer settings.
 - Press or hold the or button to change the Auto time by 0.5 hour increments, up to 10 hours, then at 1 hour increments up to 24 hours. The control will count down the time remaining until start.

DISPLAYS

LED Display: Shows the set temperature in °C or °F and the Auto-timer settings. While on Fan Only mode, it shows the room temperature. If the room temperature is too high or low, it will display "Hi" or "Lo".

The control is capable of displaying temperature in degrees Fahrenheit or degrees Celsius. To convert from one to the other, press and hold the or buttons at the same time for 3 seconds.

Display

NOTICE

If the unit turns off unexpectedly due to the power being cut, it will automatically restart with the previous function setting when the power resumes.

CLEANING AND MAINTENANCE

CAUTION

Clean the air conditioner occasionally to keep it looking new. Be sure to unplug the unit before cleaning to prevent shock or fire hazards.

Air Filter Cleaning

The air filter should be checked at least once every two weeks to see if cleaning is necessary. Trapped particles in the filter can build up and cause an accumulation of frost on the cooling coils and reduce performance.

- Grasp the filter by the center and pull up and out.
- Wash the filter using warm water. Rinse filter thoroughly.
- Gently shake excess water from the filter. Be sure the filter is thoroughly dry before replacing.
- The filter can be vacuumed instead.

NOTICE

Never use hot water over 104°F (40°C) to clean the air filter. Never attempt to operate the unit without the air filter.

Cabinet Cleaning

- Be sure to unplug the air conditioner to prevent shock or fire hazard. The cabinet and front may be dusted with an oil-free cloth or washed with a cloth dampened in a solution of warm water and mild liquid dishwashing detergent. Rinse thoroughly and wipe dry.
- Never use harsh cleansers, wax, or polish on the air conditioner.
- Be sure to wring excess water from the cloth before wiping around the controls. Excess water in or around the controls will cause damage to the air conditioner.
- Plug in air conditioner.

Winter Storage

If the air conditioner will be stored during the winter, carefully remove it from the window following the installation instructions. Take care not to spill any standing water from the unit's base pan. If water is present, drain it carefully. Once drained, cover the unit with plastic or return it to the original carton for storage.

TROUBLESHOOTING TIPS

Before requesting service, review this list, as it may help save time and reduce costs. This list includes common occurrences that are not the result of defective workmanship or materials in this unit.

Problem	Solution
	Wall plug disconnected. Push plug firmly into wall outlet.
Air conditioner does not start.	House fuse blown or circuit breaker tripped. Replace fuse with time delay type or reset circuit breaker. Plug Current Device Tripped. Press the RESET button. Power is OFF. Turn power ON. Room temperature below 60°F (16°C). Cooling may not occur until room temperature rises above 60°F (16°C). Temperature sensor behind the air filter is touching the cold coil. Try to move it so it does not contact the cold coil. Set to a lower temperature. Compressor stopped when changing modes. Wait 3 minutes after set to the COOL mode. Check for potential obstructions blocking the outdoor intake/exhaust. Clear any obstructions.
Air from unit does not feel cold enough.	

Air conditioner cooling, but room is too warm- ice forming on cooling coil behind air filter.	Outdoor temperature below 64°F (18°C). To defrost the coil, set to FAN ONLY mode. Air filter may be dirty. Clean filter. Refer to Care and Cleaning section. To defrost, set to FAN ONLY mode. Thermostat set too cold for night-time cooling. To defrost the coil, set to FAN ONLY mode. Then, set temperature to a higher setting. Dirty or restricted air filter. Clean filter. Refer to Care and Cleaning section. Temperature is set too high, set temperature to a lower setting. Air directional louvers positioned improperly. Position louvers for better air distribution. Front of unit is blocked by drapes, blinds, furniture, etc. - restricts air distribution. Clear obstruction in front of unit. Any open doors, windows, or registers may allow cold air to escape. Close any doors, windows, or registers. The room may be too warm. Allow additional time to remove "stored heat" from walls, ceiling, floor and furniture. Dirty or restricted air filter. Clean air filter.
Air conditioner cooling, but room is too warm- NO ice forming on cooling coil behind air filter.	Temperature is set too high, set temperature to a lower setting. Air directional louvers positioned improperly. Position louvers for better air distribution. Front of unit is blocked by drapes, blinds, furniture, etc. - restricts air distribution. Clear obstruction in front of unit. Any open doors, windows, or registers may allow cold air to escape. Close any doors, windows, or registers. The room may be too warm. Allow additional time to remove "stored heat" from walls, ceiling, floor and furniture. Dirty or restricted air filter. Clean air filter.
Air conditioner turns on and off rapidly.	Outside temperature extremely hot. Set FAN speed to a higher setting to bring air past cooling coils more frequently. Check for potential obstructions blocking the outdoor intake/exhaust. Clear any obstructions. Air movement sound. It is normal to hear the airflow. If too loud, set to a slower FAN setting. Window vibration - poor installation. Refer to installation instructions or check with installer.
Noise when unit is cooling.	Improper installation. Tilt air conditioner slightly to the outside to allow water drainage. Refer to installation instructions - check with installer.
Water dripping INSIDE when unit is cooling.	Unit removing large quantity of moisture from humid room. This is normal during excessively humid days.
Water dripping OUTSIDE when unit is cooling.	Remote control not located within range. Place remote control within 26 feet (8 m) and pointed in the general direction of the air conditioner unit.
Remote sensing deactivating prematurely (some models).	Remote control signal obstructed. Remove obstruction.
Room too cold.	Set temperature too low. Increase set temperature.
Noise when unit starts.	A "da-da" sound may occur for thirty seconds when the unit is turned on due to the compressor starting. It is normal.

REMOTE CONTROL AND APP INSTRUCTIONS

Handling the Remote Control

Location of the remote control

Use the remote controller within a distance of 26.2 ft (8 meters) from the air conditioner, pointing it towards the receiver. Reception is confirmed by a beep.

CAUTION

- The air conditioner will not operate if curtains, doors or other materials block the signals from the remote control to the unit.
- Prevent any liquid from spilling onto the remote control. Do not expose the remote control to direct sunlight or heat.
- If the infrared signal receiver on the indoor unit is exposed to direct sunlight, the air conditioner may not function properly. Use curtains to prevent the sunlight from falling on the receiver.
- If other electrical appliances react to the remote control, either move these appliances or consult your local dealer.

(Batteries not included)

- NOTICE**
- Button design is based on typical model and may vary slightly from the actual one you purchased.
 - All the functions described are accomplished by the unit. If the unit is without a feature, the unit will not respond if the corresponding button on the remote is pressed.
 - When there are significant differences between features or operation implied by the remote control illustration and the actual functions described in the USER'S MANUAL, the descriptions in the USER'S MANUAL shall prevail.

Model	RG5IF(2)/CEUI
Rated Voltage	3.0V(Dry batteries R03/LR03*2)
Signal Receiving Range	8m
Environment	-5°C-60°C(23°F-140°F)

Buttons and Functions

Before using the new air conditioner, take time to familiarize yourself with the remote control. The following is a brief introduction to the remote control. For detailed instructions on how to operate the air conditioner, refer to the "How to Use Basic Functions" section of this manual.

① **TEMP ▼** : Decreases temperature in 1°C/1°F increments. Min. temperature is 16°C/60°F.

② **TEMP ▲** : Increases temperature in 1°C/1°F increments. Max. temperature is 30°C/86°F.

③ **ON/OFF**: Turns the unit on or off.

④ **FAN SPEED**: Selects fan speeds in the following order: AUTO → LOW → MED → HIGH

⑤ **MODE**: Scrolls through operation modes as follows: AUTO → COOL → DRY → FAN

⑥ **TIMER ON**: Sets timer to turn unit on (see How to Use Basic Functions for instructions).

⑦ **SWING**: Starts and stops the horizontal louver movement. Hold down for 2 seconds to initiate vertical louver auto swing feature(some units) .

⑧ **SLEEP**: Saves energy during sleeping hours.

⑨ **COMFORT SENSE**: Temperature sensing and room temperature display button.

⑩ **SHORT CUT**: Sets and activates your favorite pre-settings.

⑪ **TIMER OFF**: Sets timer to turn unit off (see How to Use Basic Functions for instructions).

⑫ **LED DISPLAY**: Press this button to turn on and turn off the display on the indoor unit.

⑬ **°C/°F**: Press this button to alternate the temperature display between the °C & °F.

NOTE: Press together the two buttons simultaneously for 5 seconds to lock the keyboard. Press together the two buttons for 2 seconds to unlock the keyboard.

Press together simultaneously

Model: RG5IF(2)/CEUI

Model: RG5IF(2)/CEUI

The remote control vary depend of model. The buttons on the remote control may have a different name or location than the remote control shows in this manual.

Remote Screen Indicators

Information are displayed when the remote controller is power up.

Mode display

AUTO ▼ COOL ◀ DRY ◀

▼ FAN

① Displayed when data transmitted.

② Displayed when remote controller is ON.

③ Displayed when TIMER ON time is set

④ Displayed when TIMER OFF time is set

⑤ Shows set temperature or room temperature, or time under TIMER setting

⑥ Indicated all the current settings are locked

⑦ Displayed when Comfort Sense feature is activated(some units)

⑧ Displayed when SLEEP feature is activated

⑨ Fresh feature display

⑩ Horizontal louver swing display

⑪ Vertical louver auto swing display

Fan speed indication

► HIGH High speed
► MED Medium speed(some units)
◀ LOW Low speed

NO display Auto fan speed

NOTE: All indicators shown in the figure are for the purpose of clear presentation. But during the actual operation, only the relative function signs are shown on the display window.

The images shown in this manual are for illustrative purposes only and may be subject to change, the actual descriptions of control panel and their locations may vary depending on the model.

How to Use Basic Functions

! ATTENTION Before operation, please ensure the unit is plugged in and power is available.

AUTO Mode

Select AUTO mode Set to desired temperature Turn on the air conditioner

NOTE:

- In AUTO mode, the unit will automatically select the COOL, or FAN function based on the set temperature.
- In AUTO mode, fan speed can not be set.

COOL Mode

Select COOL mode Set the temperature Set the fan speed Turn on the air conditioner

DRY Mode

Select DRY mode Set the desired temperature Turn on the air conditioner

NOTE: In DRY mode, fan speed can not be set since it has already been automatically controlled.

FAN Mode

Select FAN mode Set the fan speed Turn on the air conditioner

NOTE: In FAN mode, the temperature cannot be set. As a result , no temperature displays in remote screen.

Setting the TIMER

TIMER ON/OFF - Set the amount of time after which the unit will automatically turn on/off.

TIMER ON setting

Press TIMER ON button to initiate the ON time sequence.

Press Temp. up or down button for multiple times to set the desired time to turn on the unit.

Point remote to unit and wait 1sec. the TIMER ON will be activated.

TIMER OFF setting

Press TIMER OFF button to initiate the OFF time sequence.

Press Temp. up or down button for multiple times to set the desired time to turn off the unit.

Point remote to unit and wait 1sec. the TIMER OFF will be activated.

NOTE:

- When setting the TIMER ON or TIMER OFF, the time will increase by 30 minutes increments with each press, up to 10 hours. After 10 hours and up to 24, it will increase in 1 hour increments. (For example, press 5 times to get 2.5h, and press 10 times to get 5h.) The timer will revert to 0.0 after 24.
- Cancel either function by setting its timer to 0.0h.

TIMER ON & OFF setting(example)

Note that the time periods set for both functions are based on hours from the current time.

Timer starts

Unit turns ON

Unit turns OFF

Example: If current timer is 1:00PM, to set the timer as above steps, the unit will turn on 2.5h later (3:30PM) and turn off at 6:00PM.

Swing function(some units)

Press Swing button

The horizontal louver will swing up and down automatically when pressing Swing button. Press again to make it stop.

Keep pressing this button more than 2 seconds, the vertical louver swing function is activated. (Model dependent)

SLEEP function

The SLEEP function is designed to reduce energy consumption during sleep, as it adjusts the temperature settings to a more energy-efficient level while maintaining comfort. This function can only be activated via remote control.

The sleep function is not available in Fan or Dry mode.

COMFORT SENSE function(some units)

When the COMFORT SENSE function is activated, the remote display is actual temperature at its location. The remote control will send this signal to the air conditioner every 3 minutes interval until press the COMFORT SENSE button again.

NOTE: Press this button for seven seconds to start/stop memory feature of COMFORT SENSE function.

- If the memory feature is activated, " On " displays for 3 seconds on the screen.
- If the memory feature is stopped, " Off " displays for 3 seconds on the screen.
- While the memory feature is activated, press the ON/OFF button, shift the mode or power failure will not cancel the COMFORT SENSE function.

NOTES

- Button design is based on a typical model and may slightly vary from the actual one you purchased.
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications not approved by the party responsible for compliance could void users authority to operate the equipment.

Battery Warning:

Do not mix old and new batteries and Do not mix alkaline, standard (carbon-zinc) or rechargeable (ni-cad, ni-mh, etc.) batteries

FCC Compliance Statement (products subject to Part 15)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Declaration of Conformity

We hereby declare that this AC is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC

Specification of Wireless Module

Model: US-GK109	Dimensions: 41 x 24 x 5 (mm)
Antenna Type: Printed PCB Antenna	Operation Temperature: 0°C - 45°C / 32°F - 113°F
Frequency: WLAN 2400-2483.5 MHz	Operation Humidity: 10% - 85%
Maximum Transmitted Power: <20 dBm Max	Power Input: DC 5V/500 mA

PRECAUTIONS

- Supports operating systems: continue reading.
- In the event of a OS update, there may be a delay between the update of the OS and a related software update during which your OS may or may not be supported until a new version is released. Your specific mobile phone or problems in your network may prevent the system from working and Midea will not be responsible for any problems that could be caused by incompatibility or network issues.
- This Smart AC only supports WPA-PSK/WPA2-PSK (recommended) encryption.
- To ensure proper scanning of the QR code, your smart phone must have at least a 5-megapixel camera.
- Due to unstable network connectivity, requests may time out. If this happens, rerun the network configuration.
- Due to unstable network connectivity, commands may time out. If this happens, the smartphone app and the actual product may display conflicting information. The information displayed on the actual product is always the most accurate available. Refresh the app to re-sync.

NOTICE

Midea will not be responsible for any problems that could be caused by incompatibility or network issues, your wireless router and mobile phone.

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- 1 **How to use SmartHome App**
- △ Ensure that the mobile phone is connected to the wireless network and that Bluetooth is enabled. The device must also be powered up.
- **Step 1: Download the SmartHome app**
- Scan the QR code below to download the SmartHome app from app store or search for it directly on the Google Play Store or Apple's App Store.
- **Step 2: Log in**
- Open the SmartHome app. If an existing SmartHome account is available, log in directly; otherwise, create a new account. Alternatively, a third-party login platform can also be used.

SmartHome

Download the app & activate product

Download on the App Store

Get it on Google Play

Login

- **Step 3: Connecting the device**
- Upon logging in, a message may appear stating, "Smart devices discovered nearby." Tap to add the device.
 - If the message does not appear, follow these steps: Tap the "+" icon and select the device from the list of nearby available devices. If the device is not listed, add it manually by first selecting the appropriate device category, such as i.e. Window AC
- 3) Follow the steps in the app to connect the device to the wireless network. If the connection fails, refer to the additional instructions provided in the app for troubleshooting.
- **Step 4: Controlling the device**
- After pairing successfully, a card will be created for the device in the SmartHome app. Shortcuts for basic functions will appear on the card such as changing the temperature or switching the device on or off. Tapping on the card, will reveal additional features and settings. The actual UI design may look different from examples due to app updates.

For Window AC

For Portable AC

- 2 **How to use Matter**
- Matter is a connectivity technology that unifies the smart home by allowing devices, and ecosystems (such as Alexa, Google Home and Apple Home) to speak the same language thus creating exciting new features and use cases.
- To use Matter, at least one Matter-enabled smart speaker from Amazon, Google, or Apple is required, along with the respective app for each platform.
- If a Matter-enabled smart speaker is available, proceed to the "How to Use Matter" instructions.
- If a Matter-enabled smart speaker is not available, full functionality can still be accessed through the SmartHome app. Refer to the "How to Use SmartHome App" section
- Connect the Air Conditioner through Matter**
- △ Make sure the mobile device is connected to the wireless router.
- Wireless router should support and turn on IPv6. Please make sure the smartphone connects to 2.4G but not 5G network.
- For best Matter compatibility, connect the AC to the Alexa, Google Home or Apple Home ecosystems along with at least one of their respective Matter-enabled smart speakers.
- **Step 1: Connect to smart speaker**
- Select a preferred ecosystem (Alexa, Google Home, or Apple Home) and ensure that a Matter-enabled product, such as a smart speaker, is connected to the wireless router.

■ **Step 2: Turn on Bluetooth**

Turn on Bluetooth on the mobile device.

■ **Step 3: Enter AP mode**

Window AC: Hold down the CONNECT / Power button for 3 seconds to begin the pairing process ("AP" will appear on the AC's display).

Portable AC: Hold down the SWING / Power button for 3 seconds to begin the pairing process ("AP" will appear on the AC's display).

Note: Entering AP pairing mode may vary between different AC, please follow instruction of AC panel.

Bluetooth

CONNECT

AP

SWING

Window AC

Portable AC

- **Step 4: Open app**
- Open the Alexa, Google Home, Apple Home app on the mobile device.
- **Step 5: Scan matter QR code**
- Tap the "+" and "Add Device/Accessory" or tap "+"Add" in the app and then select Matter device and scan the Matter QR code found on the side of the AC device. Follow the respective instructions in the Alexa, Google Home or Apple Home app to complete the pairing process.
- **Step 6: Control device**
- After pairing is successful, you can control your AC's temperature and mode settings, etc. through the respective ecosystem app and smart speaker. Due to a compatibility issue, the temperature value shown in the Alexa, Google Home or Apple Home app may be 1 degree different from that displayed on the air conditioner. However, this will not impact the device's ability to cool the room.

Air conditioner

76°

App & Smart Speakers can support Matter only when using these versions or above.

Device	Version
iPhone	iOS 16.5
Apple Home Pod	16.5
Android	Google Play services min version: 22.36.15 Google Home app (GHA) min version: 2.58.24.1-dogfood
Google Home Hub	Google Hub firmware min version: 1.56.324896 (appears on hub as Chromecast firmware version)
Alexa App	2.2.536317
Alexa Echo Device	9094439556

- NOTE:**
- Setup processes and features may vary between ecosystems.
 - The functions shown in the Alexa, Google Home or Apple Home apps may change with updates to their products or apps.
 - Make sure the Matter enabled app is up to date to ensure the best experience.
 - Periodically, the device's software will be updated to improve experience. Device software updates can be accomplished through the SmartHome app.
 - Matter is developed by the Connectivity Standards Alliance TM. This brand, related logos, and marks are trademarks of the Alliance, all rights reserved.
 - Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple's performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

- **Declaration of conformity**
- FCC ID: 2ADQMDNA23
IC: 125754-MDNA23
- This device complies with Part 15 of the FCC Rules and Industry Canada's licence exempt RSS.
- Operation is subject to the following two conditions:
- This device may not cause interference;and
 - This device must accept any interference,including interference that may cause undesired operation of the device.
- Only operate the device in accordance with the instructions supplied. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

- NOTE:**
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- Hereby, we declare that this AC is in compliance with the essential requirements and other relevant provisions of RE Directive 2014/53/EU. A copy of the full DoC is attached (European Union products only).