

Kelvinator 

Inverter Split-type Room Air Conditioner

User Manual

KSV26HRB, KSV35HRB, KSV53HRB,
KSV62HRB, KSV70HRB, KSV80HRB,

Refrigerant R410A



Congratulations

Congratulations and thank you for choosing our Inverter split-type room air conditioner. We are sure you will find your new air conditioner a pleasure to use. Before you use the air conditioner, we recommend that you read through the entire user manual, which provides the description of the air conditioner and its functions.

To avoid the risks that are always present when you use an electrical appliance, it is important that the air conditioner is installed correctly and that you read the safety instructions carefully to avoid misuse and hazards.

We recommend that you keep this instruction booklet for future reference and pass it on to any future owners.

After unpacking the air conditioner please check it is not damaged. If in doubt, do not use the air conditioner but contact your local Electrolux Customer Care Centre.

environmental tip

Information on disposal for users

- Most of the packing materials are recyclable. Please dispose of those materials through your local recycling depot or by placing them in appropriate collection containers.
- If you wish to discard this air conditioner, please contact your local authorities and ask for the correct method of disposal.

caution

- The air conditioner is not intended for use by young children or infirmed persons without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- Contact an authorised installer for installation of this unit.
- Contact an authorised service technician for repair or maintenance of this unit.
- If the power cord is to be replaced, replacement work shall be performed by authorised personnel only.
- Installation work must be performed in accordance with the national wiring Standards by authorised personnel only.

Conditions of use

This appliance is intended to be used in household and similar applications such as:

- Staff kitchen areas in shops, offices and other working environments
- Farm houses
- By clients in hotels, motels, and other residential type environments
- Bed and breakfast type environments

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Important notes

- Contact an authorised installer for installation of this unit.
- Contact an authorised service technician for repair or maintenance of this unit.
- The socket outlet required to supply power must be connected and commissioned by a licenced contractor.
- 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.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- If the power cord is to be replaced, replacement work shall be performed by authorised personnel only.
- Installation work must be performed in accordance with the national wiring standards and the electricity suppliers service rules by authorised personnel only.
- If the system is to be moved to another location or disposed of, only a suitably qualified person is permitted to undertake such work.
- Take care not to catch fingers on the fan blade when adjusting vertical louvres.
- This air conditioner uses R410A refrigerant (Confirm before installation)

Safety precautions

How to properly use and maintain your air conditioner.

Just a little preventative care on your part can save you a great deal of time and money over the life of your air conditioner. You'll find many answers to common problems in the chart of troubleshooting tips. If you review the chart of Troubleshooting Tips first, you may not need to call for service.

Meanings of symbols used in this manual are shown below:

warning

This symbol indicates information concerning your personal safety

caution

This symbol indicates information on how to avoid damaging the appliance

tips and information

This symbol indicates tips and information about use of the appliance

environmental tip

This symbol indicates tips and information about economical and ecological use of the appliance



This symbol indicates never to do this




















This symbol indicates always do this



Always do this

warning

	Connect with power properly. Otherwise, it may cause electric shock or fire due to excess heat generation.
	Do not operate or stop the unit by switching on or off the power. 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.
	Do not modify power cord length or share the outlet with other appliances. It may cause electric shock or fire due to heat generation.
	Do not operate with wet hands or in damp environment. It may cause electric shock.
	Do not direct airflow at room occupants only. This could damage your health.
	Always ensure effective earthing. No earthing may cause electric shock.
	Do not allow water to run into electric parts. It may cause failure of machine or electric shock.
	Always install circuit breaker and a dedicated power circuit. Improper installation may cause fire and electric shock.
	Disconnect the power if strange sounds, smell, or smoke comes from unit. It may cause fire and electric shock.
	Do not drink water drained from air conditioner. It contains contaminants and could make you sick.
	Do not open the unit during operation. It may cause electric shock.
	Use correctly rated circuit breaker or fuse. There is risk of fire or electric shock.
	Do not use the power cord close to heating appliances. It may cause fire and electric shock.
	Do not use the power cord near flammable gas or combustibles, such as gasoline, benzene, thinner, etc. It may cause an explosion or fire.
	Ventilate room before operating air conditioner if there is a gas leakage from another appliance. It may cause explosion, fire and, burns.
	Do not disassemble or modify unit. It may cause failure and electric shock.

! caution

	When the air filter is to be removed, do not touch the metal parts of the unit. It may cause an injury.
	Do not clean the air conditioner with water. Water may enter the unit and degrade the insulation. It may cause an electric shock.
	Ventilate the room well when used together with a stove, etc. An oxygen shortage may occur.
	Do not put a pet or house plant where it will be exposed to direct air flow. This could injure the pet or plant.
	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.
	Do not place obstacles around air-inlets or inside of air-outlet. It may cause failure of appliance or accident.
	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 use strong detergent such as wax or thinner. Use a soft cloth for cleaning. Appearance may be deteriorated due to change of product colour or scratching of its surface.
	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 heavy object on the power cord and take care so that the cord is not compressed. There is danger of fire or electric shock.
	Use caution when unpacking and installing. Sharp edges could cause injury.
	If water enters the unit, turn the unit off and disconnect the power, contact a qualified service technician.
	Hold the plug by the head of the power plug when taking it out. Failure to do so may cause electric shock and damage.

Prior to Operation

Preparing for operation

- Contact an installation specialist for installation.
- Plug in the power plug properly.
- Do not use a damaged or non-standard power cord.
- Do not share the same outlet with other appliances.
- Do not use an extension cord.
- Do not start/stop operation by plugging /unplugging the power cord.

Usage

- Exposure to direct airflow to occupants, pets or plants for an extended period of time could be hazardous to your health.
- Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
- Do not use this air conditioner for non-specified special purposes (e.g. preserving precision devices, food, pets, plants, and art objects). Usage in such a manner could harm such property.

Cleaning and maintenance

- Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
- Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
- When cleaning the unit, first make sure that the power and circuit breaker are turned off.

Service

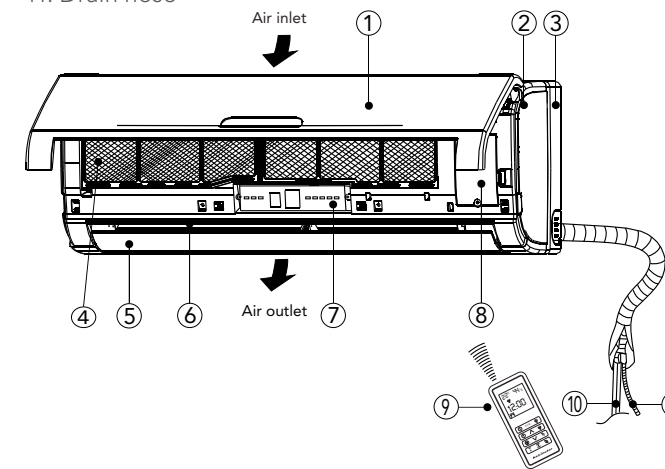
For repair and maintenance, contact your authorised service dealer.

Operating instructions

Parts names

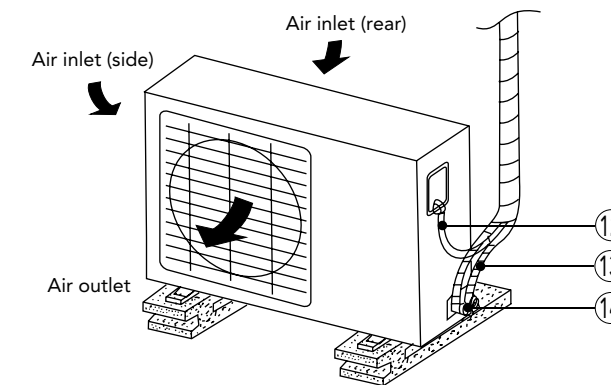
Indoor unit

- Front panel
- Panel frame
- Chassis
- Air filter
- Horizontal louver
- Vertical louver
- Indicator Lamps
- Manual control button
- Remote control
- Refrigerant pipe
- Drain hose



Outdoor unit

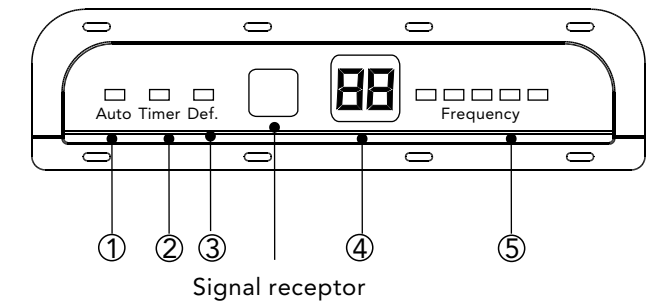
- Connecting cable
- Refrigerant pipe
- Stop valve



NOTE: All the pictures in this manual are for explanation purpose only. Your air conditioner may be slightly different. The actual shape shall prevail.

LED display panel on indoor device

- Auto indicator**
This indicator illuminates when the air conditioner is in AUTO operation.
- Timer indicator**
This indicator illuminates when Timer is set ON/OFF.
- Defrost indicator**
(For Heating & Cooling model only):
This indicator illuminates when the air conditioner starts defrosting automatically or when the warm air control feature is activated in heating operation.



- Temperature indicator**
A: Usually it displays the temperature settings.
When changing the setting temperature, this indicator begins to flash, and stops 20 seconds later.
B: It displays the room temperature when the air conditioner is in FAN only operation.
C: Displays the malfunction code or protection code.
- Operation frequency display**
This display is separated into five zones.
The zones illuminate based on the compressor current frequency. For example, higher frequency will illuminate more zones.
Operation frequency display not available on KSV70 and KSV80.

Additional features

Eco mode:

This function enables the unit to automatically increase (cooling) or decrease (heating) 1°C per hour for the first two hours, then hold steady for the next 5 hours, after that the unit will stop operation. It can maintain the most comfortable temperature and save energy.

Auto-Restart function:

When the power is off and then on, the unit automatically restores the previous function settings.

Easy-cleaned panel:

The front panel may be easily removed for periodic cleaning.

Self-diagnosis and Auto-protection function:

This function can electronically detect the errors and display the diagnosis by number displayed on the LED window on the indoor unit.

Then the unit will automatically switch to protection mode.

Operating temperature

Mode/ Temperature	Cooling operation	Heating operation	Drying operation
Room Temp	≥17°C 18°C 50°C	≤30°C	>10°C
Outdoor Temp	(15°C 50°C; For the models with low temperature cooling systems)	15°C 34°C	10°C 50°C

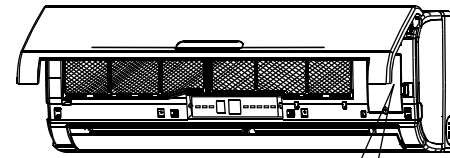
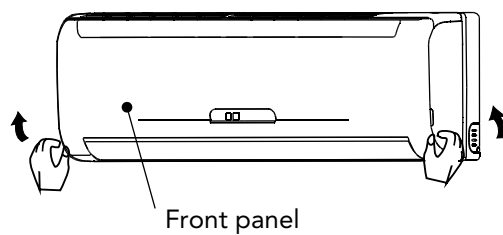
! caution

- If the air conditioner is used outside of the above conditions, certain safety protection features may come into operation and cause the unit to function abnormally.
- Room relative humidity less than 80%. If the air conditioner operates in excess of this figure, the surface of the air conditioner may attract condensation. Please set the vertical air flow louver to its maximum angle (vertically to the floor), and set HIGH fan mode.
- Optimum performance will be achieved within these operating temperature.

Suggestion: For the unit adopts an Electric Heater, when the outside ambient temperature is below 0°C, we strongly recommend you to keep the machine plugged in in order to guarantee it running smoothly.

Manual operation

Units are equipped with a switch to activate the emergency operation mode. This switch can be used as an emergency switch to turn the system on and off if the remote control fails to work.



Manual switch

○ AUTO/COOL

NOTE: The unit must be turned off before operating the manual control button. If the unit is operational, continue pressing the manual control button until the unit is off.

- Open and lift the front panel up to an angle until it remains fixed with a clicking sound.
- One press of the manual control button will lead to the forced AUTO operation. If you press the button twice within five seconds, the unit will operate under forced COOL operation.
- Close the panel firmly to its original position.

! caution

- It is recommended not to use for ongoing operation of the unit.
- To restore the remote control operation, use the remote control directly.

Optimal operation

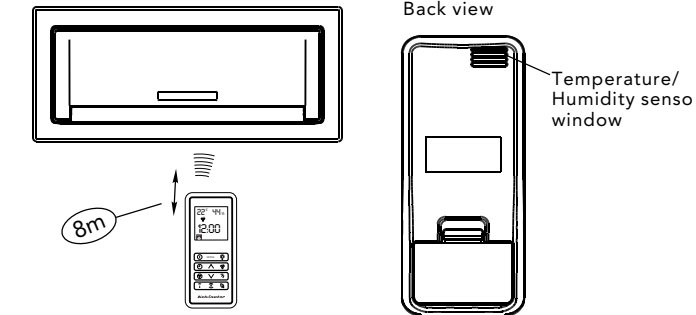
To achieve optimal performance, please note the following:

- Adjust the air flow direction correctly so that it is not directed on people.
- Adjust the temperature to achieve the highest comfort level. Do not adjust the unit to excessive temperature levels.
- Close doors and windows on COOL or HEAT modes, otherwise performance may be reduced.
- Use TIMER ON button on the remote control to select a time you want to start your air conditioner.
- Do not put any object near the air inlet or air outlet, as the efficiency of the air conditioner may be reduced and it may even stop running.
- Clean the air filter periodically, otherwise cooling or heating performance may be reduced.
- Do not operate the unit with horizontal louvre in closed position.

Using the remote control

Location of the remote control

- Keep the remote control where its signals can reach the receiver of the indoor unit. (a distance of 8m is allowed).
- When you select the timer operation, the remote control automatically transmits a signal to the indoor unit at the specified time.
- If you keep the remote control in a position that hinders proper signal transmission, a time lag of up to 15 minutes may occur.



! caution

- The air conditioner will not operate if curtains, doors or other materials block the signals from the remote control to the indoor unit.
- Prevent any liquid from falling into 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.

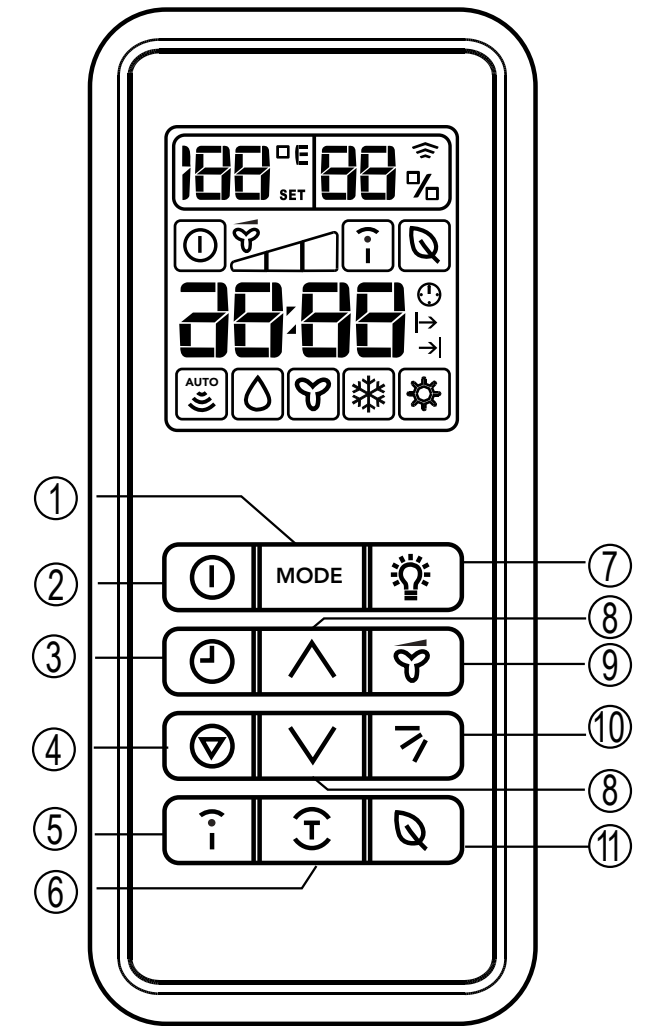
Replacing batteries

The remote control uses two AAA batteries.

- Slide the cover of the battery compartment off according to the arrow direction, then replace the old batteries with new ones.
- Insert the new batteries making sure that the (+) and (-) of battery are installed correctly.
- Reattach the cover by sliding it back into position. After replacing batteries, set the remote control clock.

NOTE: Do not dispose batteries as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

Features of the remote control



1 MODE Select Button:

Each time you push the button, a mode is selected in a sequence that goes from AUTO DRY FAN COOL and HEAT, as the following figure indicates:



NOTE: COOL only model has no HEAT feature.

2 ON/OFF Button:

Push this button to start or stop operation. If you keep pressing for more than 2 seconds, the self cleaning feature will activate.

3 CLOCK/TIMER Button:

First press of the button will initiate the TIMER ON setting program, the timer on indicator light illuminates and the setting time flashes at 1Hz. Second press of the button will activate the TIMER OFF setting program, the timer off indicator light illuminates and the setting time flashes at 1Hz.

Third press of the button will revert back to display the clock time.

4 CANCEL Button:

- (a) If the TIMER ON, TIMER ON OFF or TIMER OFF ON feature has been set, pressing the Cancel button will override the TIMER program and turn off the unit as well.
- (b) If only the TIMER OFF feature is set, pressing the Cancel button will cancel the timer off setting and turn on the unit (when the unit is off).
- (c) If no TIMER feature has been set, press the Cancel button, and nothing will happen.

5 FOLLOW ME Button (not available for KSV70HRB and KSV80HRB):

Push this button to initiate the Follow Me feature, the remote displays the temperature at its location. The remote control will send this signal to the air conditioner in 3 minute intervals until you press the Follow Me button again. The air conditioner will automatically cancel the Follow Me feature if it does not receive the signal during any 7 minute interval.

NOTE: The Follow Me feature is not available under DRY and FAN mode. Shifting the operating mode or turning off the unit will cancel the Follow Me feature automatically. The remote control needs to be within 8m reach of the indoor unit for the Follow Me mode to work appropriately.

6 TURBO Button:

Push this button on COOL mode, the air conditioner goes into powerful cooling operation. Push again to cancel the TURBO function.

7 Display on/off Button:

Press this button to turn off the digital display on the air conditioner, press it again to activate it. If you keep pressing for 2 or more seconds, the indoor unit will display the ambient room temperature.

8 TEMP/TIME Button:

Push the "▲" button to increase the indoor temperature setting or to adjust the TIMER (clock time) in a clockwise direction. Push the "▼" button to decrease the indoor temperature setting or to adjust the TIMER (clock time) in a counter-clockwise direction.

NOTE: Press and hold "▲" and "▼" buttons together for 3 seconds will alternate the temperature display between the C & F scale.

9 FAN SPEED Button:

Used 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. The fan speed can not be selected under AUTO and DRY mode.

10 SWING Button:

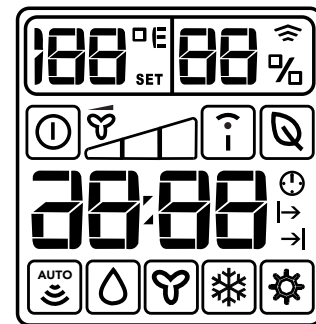
Press this button to change the swing angle of the louver. The angle of the horizontal louver will adjust by 6 degrees with each press of the button. If you keep pressing the button for 2 or more seconds, the louver will swing up and down automatically.

11 ECO Button:

Press this button to go into the Energy-Saving operating mode. Press it again to cancel. This function can only be used on COOL and HEAT mode and maintain the most comfortable temperature for you.

NOTE: While the unit is running under Economic operation mode, it will be cancelled when changing the mode or the fan speed.

Indicators on remote control



Note: All items shown in the figures are for explanation purpose only. During the actual operation, only the relative functional items are shown on the display panel. After installing the batteries for the first time, the backlight function is not available.



Temp display

Displays the ambient room temperature. Under temperature setting operation, the temperature can be adjusted in a range of 17°C /62°F to 30°C/88°F. Under FAN mode, the temperature can not be adjusted.



Humidity display

Displays the room relative humidity in percent value.



Transmission Indicator

This transmission indicator lights when the remote control transmits signals to the indoor unit.



ON/OFF display

Displayed by pressing the ON/OFF button. Press the ON/OFF button again to remove.



Fan speed display

Displays the selected fan speed, AUTO (no display) and three fan speed levels "1" (LOW) "2" (MED) "3" (HIGH) can be indicated.

Displays "E" when the operating mode is either AUTO or DRY.



FOLLOW ME display

Displayed when follow me feature is activated.



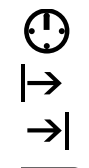
ECO Display

Displayed by pressing the ECO button. Press the ECO button again to remove.



Time display

Indicate Timer on/off time (0~23:50 hours) or clock time.



Timer display

When the TIMER ON is set, it displays "1:00". If only TIMER OFF is set, it displays "OFF". When both TIMER ON and TIMER OFF are set, it displays "1:00".



Mode display

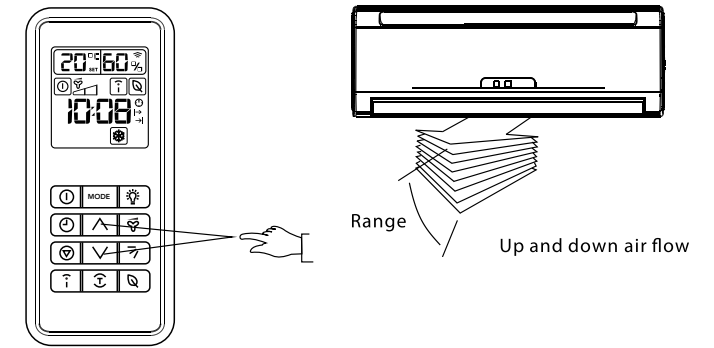
Displays the current operation mode. Including AUTO (AUTO), DRY (DRY), FAN (FAN), COOL (COOL), HEAT (HEAT) (Not applicable to cooling only model) and back to AUTO (AUTO).

Airflow direction control

- Adjust the air flow direction properly otherwise, it might cause discomfort or cause uneven room temperatures.
- Adjust the horizontal louver using the remote control.
- Adjust the vertical louver manually.

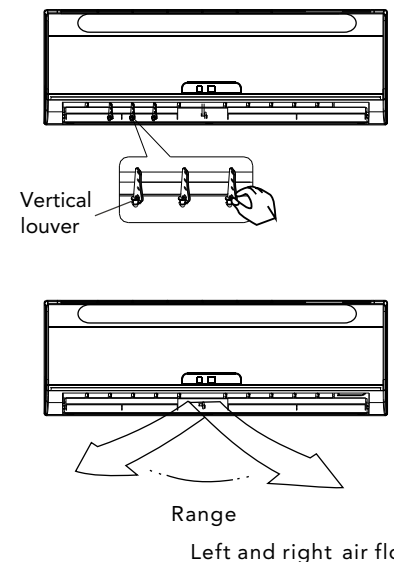
To set the vertical air flow (Up-Down) direction

Perform this function while the unit is in operation. Keep pressing the aim button on the remote control to move the louver to the desired direction. The angle of the horizontal louver will adjust by 6 degrees with each press of the button.



To set the horizontal air flow direction (left-right)

Adjust the vertical louver manually using the lever on the left or right side of the vertical louver arm (Depending on model). Take care not to catch fingers on the fan, horizontal louver or to damage the vertical louvers. When the air conditioner is in operation and the horizontal louver is in a specific position, move the lever at left (or right, depending on model) end of the air outlet to the desired position.



caution

- The aim/swing button will be disabled when the air conditioner is not in operation (including when the TIMER ON is set).
- Do not operate the air conditioner for long periods with the air flow direction set downward in cooling or dry mode. Otherwise, condensation may occur on the surface of the horizontal louver causing moisture to drop on to the floor or on furnishings.
- Do not move the horizontal louver manually. Always use the aim/swing button. If you move this louver manually, it may malfunction during operation. If the louver malfunctions, stop the air conditioner once and restart it.
- When the air conditioner is started immediately after it was stopped, the horizontal louver might not move for approximately 10 seconds.

- Open angle of the horizontal louver should not be set too small, as COOLING or HEATING performance may be impaired due to a restricted air flow area.
- Do not operate unit with horizontal louver in closed position.
- When the air conditioner is connected to power (initial power), the horizontal louver may generate a sound for 10 seconds, this is a normal operation.

How to operate the air conditioner

Automatic operation

When you set the air conditioner to AUTO mode, it will automatically select cooling, heating (only for reverse cycle models), or fan only operation depending on what temperature you have selected and the room temperature. Once you select the operating mode, the operating conditions are saved in the unit's microcomputer memory. Thereafter, the air conditioner will start operating under the same conditions when you simply push the ON/OFF button on the remote control.

Start

Ensure the unit is plugged in and power is available. The OPERATION indicator on the display panel of the indoor unit starts flashing.

- 1 Mode select button (MODE)
Press to select AUTO.
- 2 TEMP/TIME button
Set the desired temperature. Normally, set it between 21°C/70°F to 28°C/84°F.
- 3 ON/OFF button
When the remote control is off, push this button to start the air conditioner.

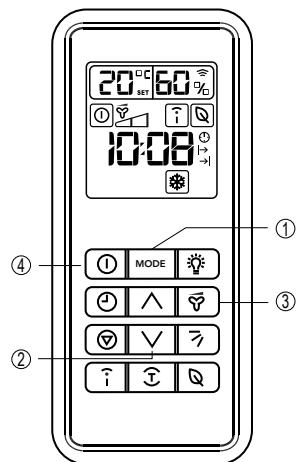
Stop

ON/OFF button

Push this button again to stop the air conditioner.

If the AUTO mode is uncomfortable, you can select the desired conditions manually.

When you select the AUTO mode, you do not have to set the fan speed. The fan speed will be automatically controlled.



AUTO operation

The air conditioner will control room temperature automatically around the temperature point set by you.

If the AUTO mode is uncomfortable, you can select desired conditions manually.

Cooling/Heating/Fan only operation

Start

Ensure unit is plugged in and power is available.

The OPERATION lamp on the display panel of the indoor unit starts flashing.

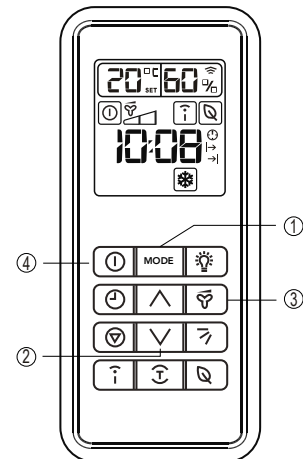
- 1 Mode select button (MODE) Press to select COOL, HEAT (Not applicable to cooling only models), or FAN ONLY.
- 2 TEMP/TIME button
Set the desired temperature, the most comfortable temperature is between 21°C/70°F to 28°C/84°F.
- 3 Fan speed button
Press to select "AUTO" "LOW", "MED" and "HIGH"
- 4 ON/OFF button
When the remote control is off, push this button to start the air conditioner.

Stop

ON/OFF button

Push this button again to stop the air conditioner.

The FAN ONLY mode does not control temperature. Therefore, perform only steps 1,3, and 4 to activate this mode.



Drying operation

Start

Ensure unit is plugged in and power is available.

The OPERATION indicator on the display panel of the indoor unit starts flashing.

- 1 Mode select button (MODE)
Press to select DRY.
- 2 TEMP/TIME button
Push the "TEMP/TIME" button to set the desired temperature.
- 3 ON/OFF button

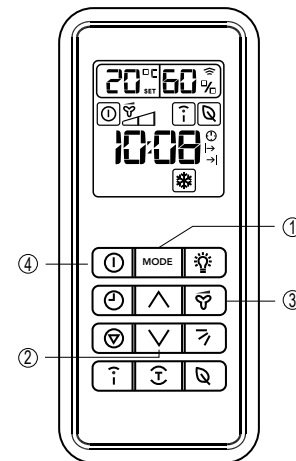
Stop

When the remote control is off, push this button to start the air conditioner.

ON/OFF button

Push this button again to stop the air conditioner.

Note: The fan speed cannot be adjusted when the unit is in AUTO and DRY mode.

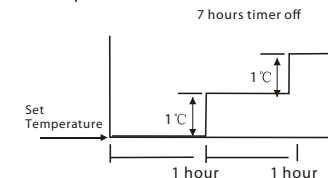


- The fan speed will be automatically controlled under dry operation.
- During the dry operation, if the room temperature is lower than 10°C, the compressor stops operating and restarts only when the room temperature is above 12°C.

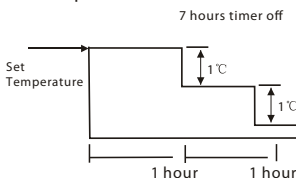
Eco operation

When you push the ECO button on the remote control during cooling, heating, or AUTO operation, the air conditioner will automatically increase (cooling) or decrease (heating) the set temperature by 1°C per hour for the first two hours, then hold steady for the next 5 hours, after that the unit will stop operation. The fan speed will be automatically controlled. This feature can maintain the most comfortable temperature and save more energy for you.

Eco operation



Eco operation



Timer operation

- 1 CLOCK/TIMER button

Press the CLOCK/TIMER button, the current timer setting is displayed alongside either the TIMER ON or TIMER OFF indicator, and will flash.

- 2 TEMP/TIME button

Press to set the desired time.

▲ Forward

▼ Backward

Each time you push the button, the time moves forward or backward by 10 minutes depending on which direction you press. The time alters as quickly as you press the button.

- 3 After setting the timer for TIMER ON and TIMER OFF, check that the TIMER indicator on the display panel of the indoor unit is illuminated.

- 4 Cancel button (CANCEL)

Press the CANCEL button to cancel the timer setting. Perform steps 1, 2 and 3 to change the settings.

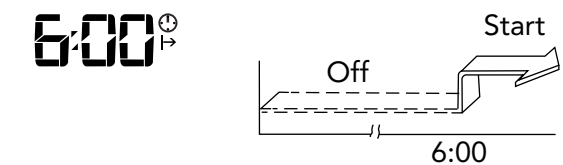
! caution

When you select the timer operation, the remote control automatically transmits the timer signal to the indoor unit at the specified time.

Therefore, keep the remote control in a location from which it can transmit the signal to the indoor unit properly.

The effective operation time set by remote control is limited within 24 hours.

Examples of timer settings



Timer On

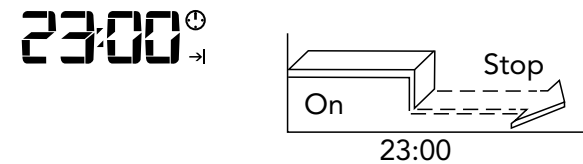
The TIMER ON feature is useful when you want the unit to turn on automatically before you return home. The air conditioner will automatically start operating at the set time.

IMPORTANT: The time will be registered within a 0.5 second period (after pressing the TEMP/TIME button), so you should continue pressing the button until the desired time is established. Otherwise you must repeat the steps again.

Example:

To start the air conditioner at 6:00 a.m.

- 1 Press the CLOCK/TIMER button, the TIMER ON indicator illuminates and the setting time flashes (if the displayed time is just 6:00, 3 seconds later, the TIMER ON function will be activated automatically).
- 2 Use the TEMP/TIME button to display "6:00" on the TIMER ON display of the remote control.
- 3 Wait for 3 seconds and the setting time stops flashing and this function is activated. The screen reverts back to displaying the clock time.



Combined timer

(Setting both ON and OFF timers simultaneously)

TIMER OFF → TIMER ON

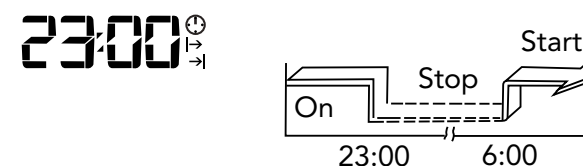
(On → Stop → Start operation)

This feature is useful when you want to stop the air conditioner after you go to bed, and start it again in the morning when you wake up or when you return home.

Example:

Now it is 20:00 hours in the evening. You want to stop the air conditioner at 23:00 and start it again the next morning at 6:00.

- 1 Press the CLOCK/TIMER button until the TIMER OFF indicator displays and time setting flashes.
- 2 Use the TEMP/TIME button to display "23:00" besides the TIMER OFF display.
- 3 Press the CLOCK/TIMER button again to display the TIMER ON indicator.
- 4 Use the TEMP/TIME button to display "6:00" besides the TIMER ON display.
- 5 Wait for 3 seconds and the setting time stops flashing and this function is activated. The screen will revert back to displaying the clock time.



TIMER ON → TIMER OFF

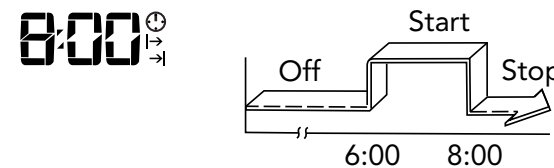
(Off → Start → Stop operation)

This feature is useful when you want to start the air conditioner before you wake up and stop it after you leave the house.

Example:

To start the air conditioner at 6:00 the next morning, and stop it at 8:00.

- 1 Press the CLOCK/TIMER button, the TIMER ON indicator illuminates and the set time flashes.
- 2 Use the TEMP/TIME button to display "6:00" besides the TIMER ON display of the remote control.
- 3 Press the CLOCK/TIMER button again to activate the TIMER OFF feature.
- 4 Use the TEMP/TIME button to display "8:00" besides the TIMER OFF display.
- 5 Wait for 3 seconds and the setting time stops flashing and this function is activated. The screen will revert back to displaying the clock time.



Notes: The timer setting (TIMER ON or TIMER OFF) that in sequence occurs directly after the actual time will be activated first.

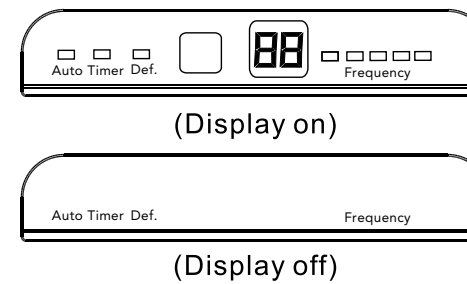
caution

- 1 When replacing batteries, do not use old batteries or different types of batteries. Otherwise it may cause the remote control to malfunction.
- 2 Remove the batteries when not being used for a long time. Otherwise, battery leakage may damage the remote control.
- 3 To prevent damage, please do not drop the remote control.
- 4 The average battery life during normal use is approximately 5 months.
The actual battery life is based on operation conditions. Replace the batteries when there is no receiving beep from the indoor unit or if all the indicators are shown on the LCD window during operation.
- 5 Be sure there are no barriers between the remote control and the receiver of the indoor unit otherwise the air conditioner will not work.
- 6 Keep the Remote Control away from all liquids.
- 7 Protect the Remote Control from high temperatures and exposure to radiation.
- 8 Keep the indoor receiver out of direct sunlight or the Air Conditioner may malfunction.
- 9 Keep remote control away from EMI (Electro-Magnetic Interference) generated by other household appliances.

Specification

Model	RG03A/BGEF-ELBR, RG03A/BGCEF-ELBR
Rated Voltage	3.0V(Alkaline dry batteries Lr03 2)
Transmission Distance	8m (when voltage becomes lower, the transmission distance will be reduced.)
Environment	-5 C 60 C(-41OF~140OF)

Digital display button function



When you press the DIGITAL button, the setting temperature display on indoor unit will be shut off. Press the button again and the display will be activated. This function is useful when you want to shut down the display when you are sleeping.

Setting the clock

Before you start operating the air conditioner, set the clock of the remote control using the procedures given in this section. The clock panel on the remote control will display the time regardless of whether the air conditioner is in use or not.

Initial Setting of the Clock

After batteries are inserted in the remote control, the clock panel will display "12:00" and begin to flash.

- 1 TEMP/TIME adjust button
 - Press this button to set the time.
 - ▲ Forward.
 - ▼ Backward.
 - Each time you press the button, the time moves forward or backward by one minute depending on which side you press.
 - The time alters as quickly as you push the button.
 - Keep pressing the button without releasing, the time moves forward or backward by 10 minutes depending on which side you press.

When the right time is achieved, press the CLOCK/TIMER button to confirm or release the button and wait for 3 seconds, the clock time stops flashing and the clock starts operating.

Clock/Timer button

When the right time is set, press the CLOCK/TIMER button to confirm or release the ▲ or ▼ and wait for 3 seconds, the clock time stops flashing and the clock starts operating.

Note: The time of the CLOCK must be set before the AUTO-TIMER feature can operate. The CLOCK time can not be adjusted after setting the AUTO-ON/OFF timer.

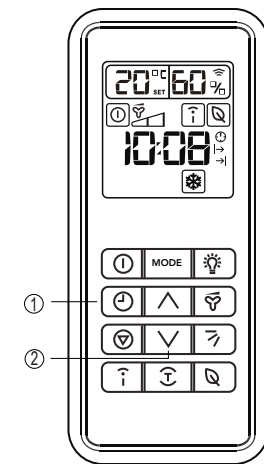
Press the CLOCK/TIMER button on the remote control for about 3 seconds, the previous time displays and starts to flash.

* Clock accuracy is within 15 seconds per day.

To set the new time, follow 1 and 2 of "Initial Setting of the Clock".

caution

Static electricity or other factors (in case of extremely high voltage) can cause the remote control clock to re-initialise. If your remote control is initialised (flashing "12:00"), readjust the clock before you start operation.



Maintenance

The units are designed to operate for long periods of time with a minimum of maintenance.

However, the following operation must be performed regularly.

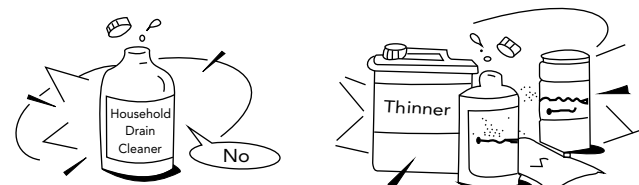
Items	Maintenance Operations	Recommended Frequency
Air filter	Clean	Every month or more often if necessary
Air freshening filter	Change/replace a new one	Every 4 months
Unit casing	Clean	Every month or more often if necessary
Water tray and evacuation piping	Clean and check for obstructions	Each season before start up*
Indoor/outdoor coils	Clean	Each season before start up*
Compressor	No need	

* This operation must be performed by qualified personnel only.

Note: Supply power must be disconnected before cleaning the indoor unit.

Cleaning the Grille, Case and Remote Control

Switch the system off before cleaning. To clean, wipe with a soft dry cloth. Do not use bleach or abrasives.



caution

- A cloth soaked in warm water may be used on the indoor unit if it is very dirty. Then wipe it with a dry cloth.
- Do not use a chemically treated cloth or duster to clean the unit.
- Do not use benzine, thinner, polishing powder, or similar solvents for cleaning. These may cause the plastic surface to crack or deform.
- Never use water hotter than 40 C to clean the front panel, it could cause deformation or discoloration.

Cleaning the air filter

NOTE: Supply power must be disconnected before cleaning the indoor unit.

A clogged air filter reduces the cooling efficiency of this unit. Please clean the filter every month or more often if necessary.

- 1 Lift the indoor unit front panel up to an angle until it stops with a clicking sound.
 - 2 Take hold of the handle of the air filter and lift it up slightly to take it out from the filter holder, then pull it downwards.
 - 3 Remove the AIR FILTER from the indoor unit. Clean the AIR FILTER with a vacuum cleaner or water, then dry it in cool place.
 - 4 Remove the Air Freshening Filter from its support frame
Optional Filters: Plasma Duster Collector / Silver Ion Filter / Bio Filter / Vitamin C Filter / 3M air purifier Filter from its support frame.
(There is slight difference on installation/removing the filter, see the pictures marked ① and ② on the left.
- Clean the air freshening filter at least once a month, and replace it every 4-5 months.
 - Clean it with a vacuum cleaner, then dry it in a cool place.

! warning

Do not touch the Plasma Dust Collector Filter within 10 minutes after opening the front panel, it may cause an electric shock.

- 5 Install the air freshening filter back into position.
- 6 Insert the upper portion of air filter back into the unit, taking care that the left and right edges line up correctly and place filter into position.

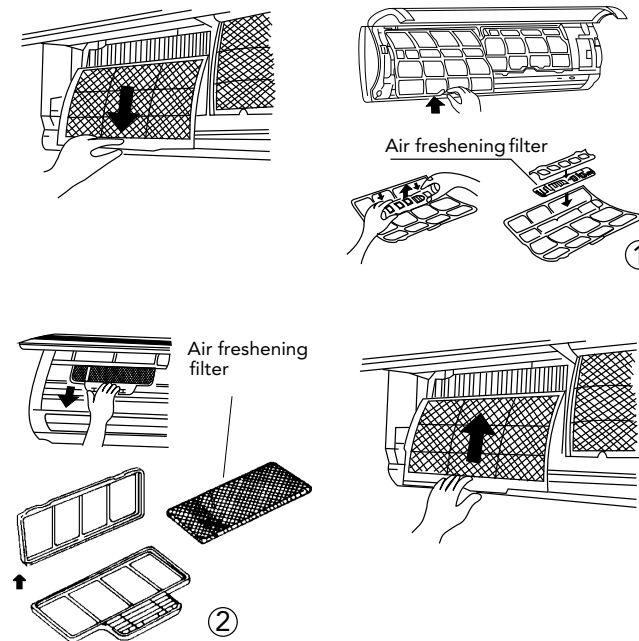
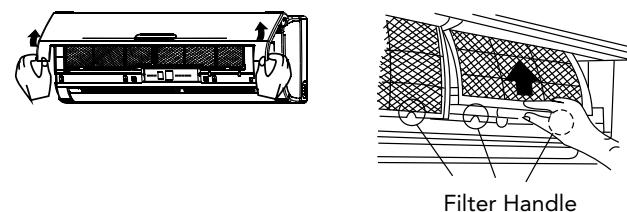
Maintenance

If the air conditioner is not going to be used for some period of time:

- 1 Let the fans run for 3~4 hours to allow the device to completely dry out.
- 2 Switch off the device and pull the power plug. Remove the batteries from the remote control.
- 3 The outdoor unit requires periodic maintenance and cleaning. Do not attempt to do this yourself. Contact your dealer or servicer.

Checks before operation

- Check that the wiring is not broken off or disconnected.
- Check that the air filter is installed.
- Check if the air outlet or inlet is blocked after the air conditioner has not been used for a long time.



! caution

- Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
- Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
- When cleaning the unit, first make sure that the power and circuit breaker are turned off.

Troubleshooting Tips

Before you contact customer service, check the following first:

The air conditioner does not start. Check the following:

- 1 Is voltage present at the plug socket outlet?
- 2 Check the plug fuse!
- 3 Is the timer set?

The air conditioner does not provide satisfactory cooling. Check the following:

- 1 Has an appropriate temperature been set?
- 2 Is the air filter soiled? Clean and fit back in place.
- 3 Are the inlets and outlets on the outdoor unit blocked?
- 4 Are the doors and windows closed?

The remote control does not work. Check the following:

- 1 Important! It only works within a range of 8m from the indoor unit.
- 2 Are the batteries still OK? Replace if necessary!
- 3 Have the batteries been inserted correctly? Check that the + and - terminals are in the correct positions!

Stop the air conditioner immediately if one of the following faults occur. Disconnect the power and contact your service center.

- 1 Fuse blows frequently or circuit breaker trips frequently.
- 2 Other objects or water penetrate the air conditioner.
- 3 If one of the malfunction codes appears on the LED display window: E0, E1, E2, E3, E4, E5, F0, F1, F2, F3, F4, F5, P0, P1, P2, P3 or P4.

NOTE: When more than one malfunction occur, pressing any button on the remote control will display the error codes in sequence, and the unit will respond by a beep for each press.

- 4 Other abnormal situations.

Operation tips

The following events may occur during normal operation.

1 Protection of the air conditioner.

Compressor protection

- The compressor can't restart for 3 minutes after it stops. Anti-cold air
- The unit is designed not to blow cold air on HEAT mode, when the indoor heat exchanger is in one of the following three situations and the set temperature has not been reached.
 - A) When heating has just starting.
 - B) Defrosting.
 - C) Low temperature heating.
- The indoor or outdoor fan stop running when defrosting.

Defrosting

- Frost may be generated on the outdoor unit during heat cycle when outdoor temperature is low and humidity is high resulting in lower heating efficiency of the air conditioner.
- During this condition the air conditioner will stop heating operation and start defrosting automatically.
- The time to defrost may vary from 4 to 10 minutes according to the outdoor temperature and the amount of frost buildup on the outdoor unit.

2 A white mist coming out from the indoor unit

- A white mist may be generated due to a large temperature difference between air inlet and air outlet on COOL mode in an indoor environment that has a high relative humidity.
- A white mist may be generated due to moisture generated from the defrosting process when the air conditioner restarts in HEAT mode operation after defrosting.

3 Low noise of the air conditioner

- You may hear a low hissing sound when the compressor is running or has just stopped running. This sound is the sound of the refrigerant flowing or coming to a stop.

If you'd like further information about Kelvinator appliances, please visit your retailer, phone or email our Customer Care team or visit our website.

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