

Kelvinator 

**Fixed Speed Split-type Room
Air Conditioner
User Manual**

KSE26CRB, KSE26HRB,
KSE35CRB, KSE35HRB, KSE53HRB,
KSE62HRB, KSE70CRB, KSE70HRB,
KSE88CRB, KSE88HRB
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 must 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

Contents

Safety precautions	3
Warning	3
Caution.....	4
Operating temperature.....	4
Using the remote control	5
Indicators on the remote control	6
Setting the clock	7
Automatic operation.....	8
Cooling/Heating/Fan only operation	8
Drying operation.....	8
Eco operation	9
Timer operation	9
Parts identification	12
Manual operation	12
Optimal operation	12
Cleaning and maintenance	13
Cleaning the air filter	13
Operation tips	14
Troubleshooting tips	15
Warranty	17

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

Inside you will find many helpful hints on how to use and maintain your air conditioner properly.

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

Important notes:

- 1 Do not operate unit with horizontal louvre in closed position.
- 2 Don not operate unit without the air filter.

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. If the power cord is damaged, it must be replaced by the manufacturer or an authorised service centre or a similarly qualified person in order to avoid a hazard.
	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.
	For products with a current demand of more than 10 amp, always install circuit breaker and a dedicated power circuit. No 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 use the socket if it is loose or damaged. It may cause fire and electric shock.
	Do not open the unit during operation. It may cause 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.
-  Hold the plug by the head of the power plug when taking it out. It may cause electric shock and damage.
-  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 place obstacles around air-inlets or inside of air-outlet. It may cause failure of appliance or accident.
-  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 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 place heavy object on the power cord and ensure that the cord is not compressed. There is danger of fire or electric shock.
-  If water enters the unit, turn the unit off and disconnect the power, contact a qualified service technician.
-  Use caution when unpacking and installing. Sharp edges could cause injury.
-  Do not drink water drained from air conditioner. It contains contaminants and could make you sick.

Prior to Operation

Preparing for operation

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

Usage

- 1 Exposure to direct airflow for an extended period of time could be hazardous to you health. Do not expose occupants, pets or plants to direct airflow for extended periods of time.
- 2 Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.

Cleaning and maintenance

- 1 Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
- 2 Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
- 3 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 temperature

Cooling Mode

Indoor		Outdoor	
Max.	Min.	Max.	Min.
32°C	17°C	35°C	18°C

Heating Mode

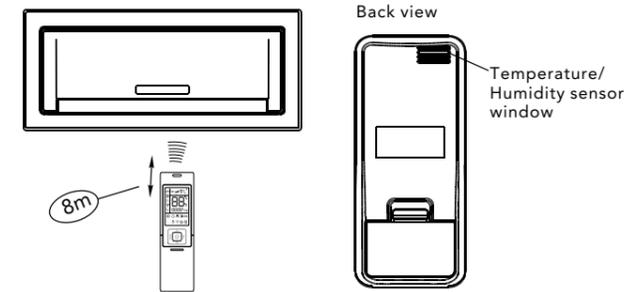
Indoor		Outdoor	
Max.	Min.	Max.	Min.
30°C	17°C	24°C	-5°C

Note: Optimum performance will be achieved within these operating temperatures.

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.

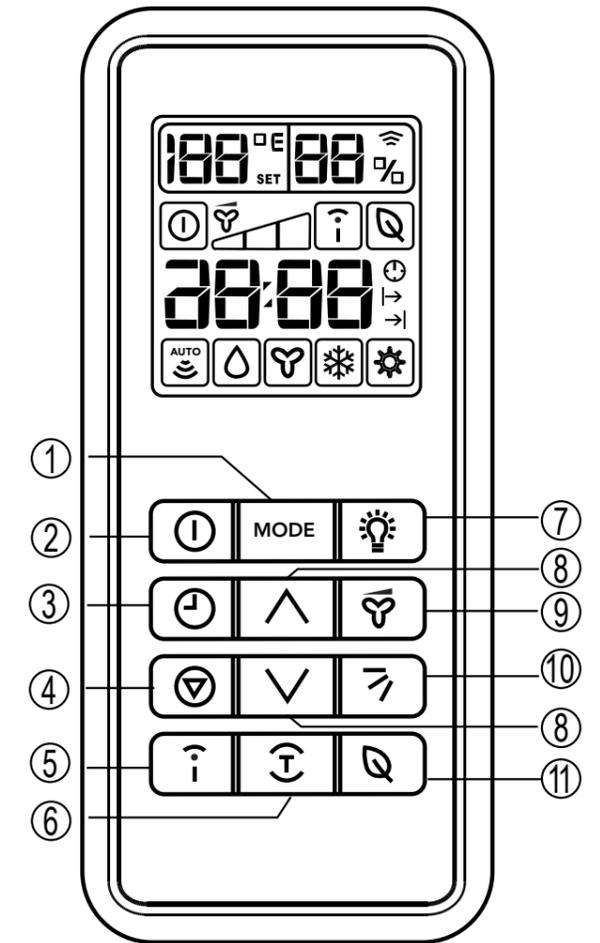
Replacing batteries

The remote control uses two dry batteries (AAA)

- 1 Slide the cover of the battery compartment off according to the arrow direction, then replace the old batteries with new ones.
- 2 Insert the new batteries making sure that the(+) and (-) of battery are installed correctly.
- 3 Reattach the cover by sliding it back into position. After replacing the 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: Cooling only models do not have HEAT mode.
- 2 **ON/OFF Button:**
Push this button to start or stop operation. If you keep pressing for more than 2 seconds, the SELF CLEAN 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 displaying the clock time.

4 CANCEL Button:

- 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.
- 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).
- If no TIMER feature has been set, press the Cancel button, and nothing will happen.

5 FOLLOW ME Button(on some models):

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 every 3 minutes interval 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 minutes 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 clear the digital display in 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: Pressing 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:

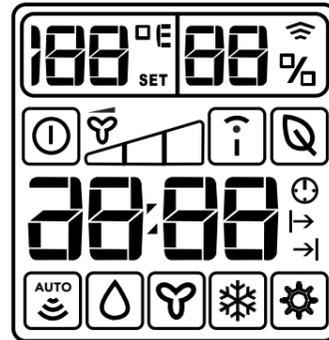
Press this button to change the swing angle of the louver. The swing angle of the louver changes by 6 degrees with each press of the button. If you keep pressing the button for 2 more seconds, the louver will swing up and down automatically.

11 ECO Button:

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

NOTE: While the unit is running under Economic operation mode, it would be canceled if shifting the mode or fan speed.

Indicators on remote control



Note: All the items shown in the Figures are for explanation purposes only. During the actual operation, only the relative functional items are shown on the display panel. For the first time to install the batteries, 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 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 "1" 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

Indicates 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 set the TIMER OFF, it displays "0:00". When both TIMER ON and TIMER OFF are set, it displays "0:01".



Mode display

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

Setting the clock

Before you start operating the air conditioner, set the clock of the remote control using the following procedure. 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 the 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 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 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 will operate. The CLOCK time can not be adjusted after setting the AUTO-ON/OFF timer.

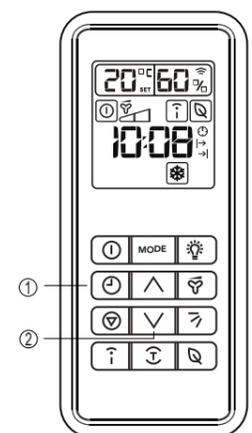
Press the CLOCK/TIMER button on the remote control for about 3 seconds, the previous time displays and starts to flash.

* Clock accuracy is within 15 seconds per day.

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



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.



Automatic operation

When you set the air conditioner in AUTO mode, it will automatically select cooling, heating (not applicable for cooling only 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 of the remote control.

Start

Ensure the unit is plugged 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.

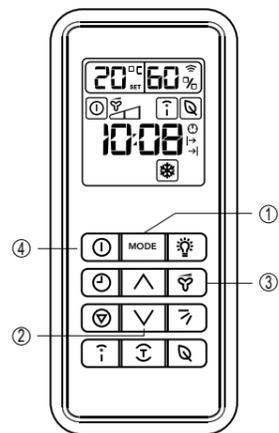
Stop

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.



Cooling/Heating/Fan only operation

Start

Ensure unit is plugged and power is available.

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

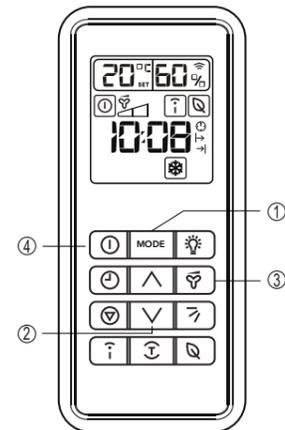
- 1 Mode select button (MODE) Press to select COOL, HEAT (not applicable for cooling only models), or FAN ONLY.
- 2 TEMP/TIME button
Set the desired temperature, the most comfortable temperature is between 21°C/70°F to 28°C/84°F.
- 3 Fan speed button
Press to select "AUTO" "LOW", "MED" and "HIGH"
- 4 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 select this mode.



Drying operation

Start

Ensure unit is plugged 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

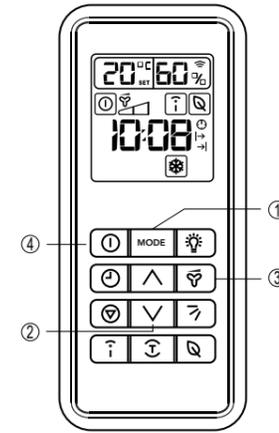
Stop

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

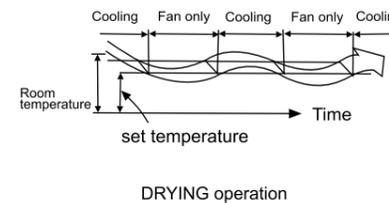
ON/OFF button

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.

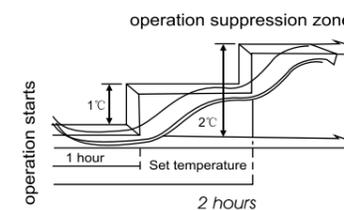


- The DRY Mode will automatically select the drying operation based on the difference between the set temperature and the actual room temperature.
- The temperature is regulated while dehumidifying by repeated turning on and off the cooling operation or fan only. The fan speed indicator will display AUTO and low speed will be used.



Eco operation

When you push the ECO button on the remote control during cooling, heating (not applicable for cooling only models), or AUTO operation, the air conditioner will automatically increase (cooling) or decrease (heating) 1 degree 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.



ECONOMY Operation (Cooling)

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 the TIMER indicator on the display panel of the indoor unit is illuminated.

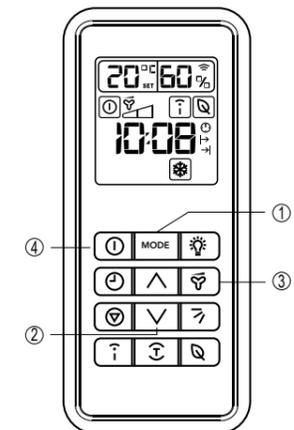
- 4 Cancel button (CANCEL)

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



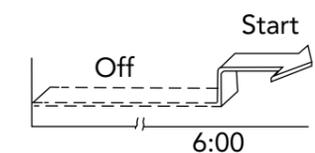
caution

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 in 24 hours.



Examples of timer settings

6:00



Timer On

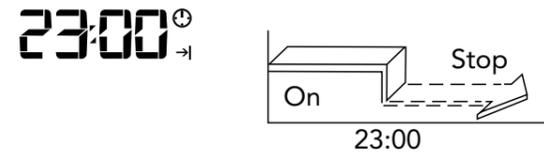
The TIMER ON feature is useful when you want the unit to turn on automatically before you return home. The air conditioner will automatically start operating at the set time.

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 area reverts back to displaying the clock time.



Combined timer

(Setting both ON and OFF timers simultaneously)

TIMER OFF → TIMER ON

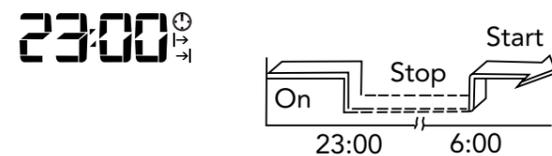
(On → Stop → Start operation)

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 o'clock 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 area reverts back to displaying the clock time.



TIMER ON → TIMER OFF

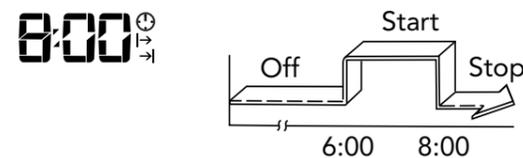
(Off → Start → Stop operation)

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 area reverts 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.

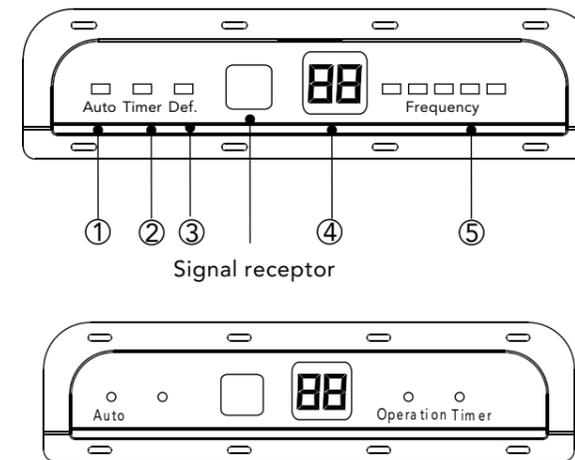
⚠ caution

- 1 When replacing batteries, do not use old batteries or different type 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 appropriately.
- 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 be out of control.
- 9 Keep the remote control away from EMI (Electro-Magnetic Interference) supplied by other household appliances.

LED display panel on indoor device

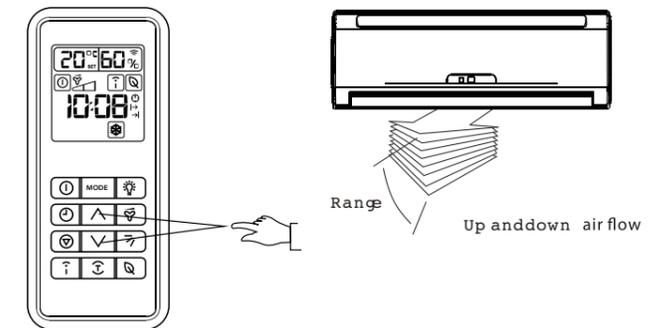
NOTE: The display panel of the indoor unit may look like one of the following:

- 1 **Auto indicator**
This indicator illuminates when the air conditioner is in AUTO operation.
- 3 **Defrost indicator**
(For Reverse Cycle models):
This indicator illuminates when the air conditioner starts defrosting automatically or when the warm air control feature is activated in heating operation.
- 3 **Temperature indicator**
Displays the temperature settings when the air conditioner is operational.
Displays the malfunction code (For ≥ 21000 Btu/h models only).
- 4 **Operation indicator**
This indicator illuminates when the air conditioner is in operation.
- 5 **Timer indicator**
This indicator illuminates when Timer is set ON/OFF.

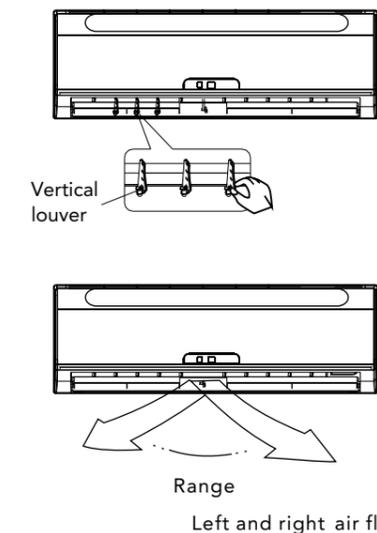


Airflow direction control

- 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 readjusting angle of the horizontal louver is 6 degrees for each press.



- 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 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.



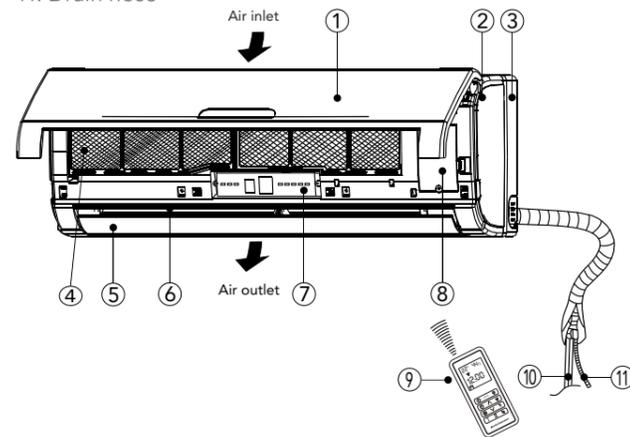
⚠ caution

- 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.

Parts names

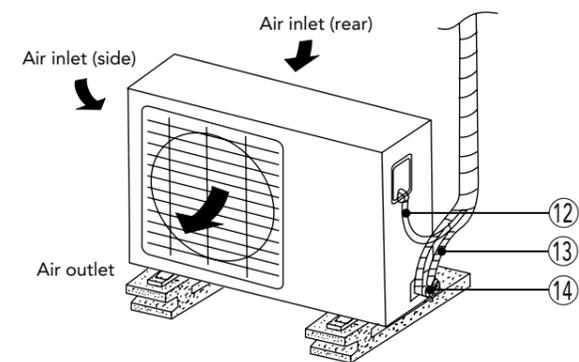
Indoor unit

1. Front panel
2. Panel frame
3. Chassis
4. Air filter
5. Horizontal louver
6. Vertical louver
7. Indicator Lamps
8. Manual control button
9. Remote control
10. Refrigerant pipe
11. Drain hose



Outdoor unit

12. Connecting cable
13. Refrigerant pipe
14. 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.

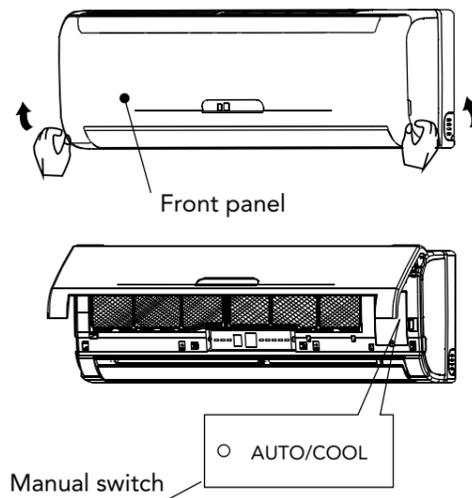
Manual operation

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

- Grasp and lift the front panel up to an angle until it remains fixed with a clicking sound.
- Push the button until the AUTO indicator is lit, the unit will work in forced AUTO mode (the default setting temperature is 24).
- Close the panel firmly to its original position.

caution

- Once you push the manual button, the operation mode is shifted in an order as: AUTO, COOL, OFF.
- Push the manual button until the Operation indicator light flashes rapidly (five times per second), the unit now is operating in forced COOL mode. This is used for testing purposes only.
- 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, or 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 air inlet or air outlet, as the efficiency of the air conditioner may be reduced and the air conditioner may stop running.
- Clean the air filter periodically, otherwise cooling or heating performance may be reduced.
- Do not operate unit with horizontal louvre in closed position.

Cleaning and Maintenance

warning

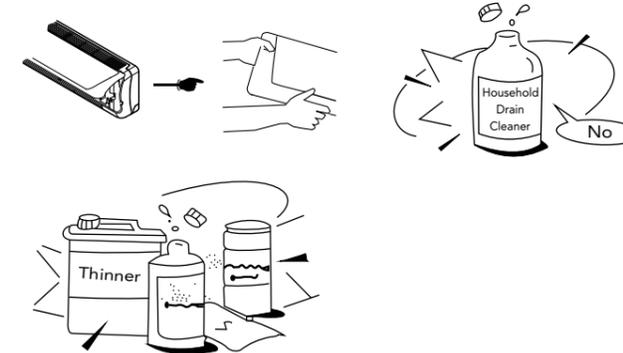
- Be sure to stop the air conditioner and disconnect the power supply for your safety during cleaning of the unit.

Cleaning the indoor unit

- 1 Use a dry cloth.
- 2 A cloth dampened with cold water may be used if the indoor unit is very dirty.
- 3 The front panel of the indoor unit can be removed and cleaned with water. Then wipe it with a dry cloth.

caution

- Do not use detergent or other chemical products during cleaning. Further, do not put these products near the indoor unit.
- Do not use benzene, thinner, polishing powder or other similar solvent to clean the unit.



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 up in a cool place.
- 4 Remove the Air Freshening Filter (Optional filter: Plasma Dust Collector/Silver Ion filter /Bio filter /Vitamin C filter/ 3M air purifier filter) from its support frame. (There is slightly difference on installation/removing the filter, see the pictures marked ① and ②.
- Clean the air freshening filter at least once a month, and replace it every 4-5 months.
- Clean it with 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.

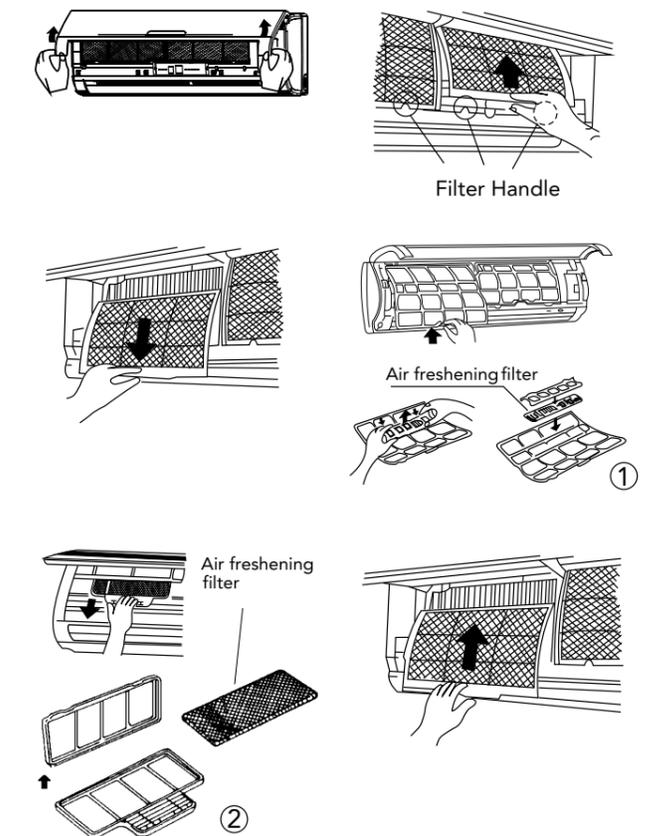
Maintenance

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.



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 started.
 - B) Defrosting.
 - C) Low temperature heating.
- The indoor or outdoor fan stops running when defrosting.

Defrosting

- Frost may be generated on the outdoor unit during the 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 and 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 generate 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 generate 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.
- You can also hear a low "squeak" sound when the compressor is running or has just stopped running. This is caused by heat expansion and cold contraction of the plastic parts in the unit when the temperature is changing.
- A noise may be heard due to louver restoring to its original position when power is first turned on.

4 Dust is blown out from the indoor unit.

This is a normal condition when the air conditioner has not been used for a long time or during first use of the unit.

5 A peculiar smell comes out from the indoor unit.

This is caused by the indoor unit giving off smells permeated from building material, from furniture, or smoke.

6 The air conditioner turns to FAN only mode from COOL or HEAT mode.

When the indoor temperature reaches the temperature setting on the air conditioner, the compressor will stop automatically, and the air conditioner turns to FAN only mode.

The compressor will start again when the indoor temperature rises on COOL mode or falls on HEAT mode to the set point.

7 Dripping water may generate on the surface of the indoor unit when cooling in a high relative humidity (relative humidity higher than 80%). Adjust the horizontal louver to the maximum air outlet position and select HIGH fan speed.

8 Heating mode

The air conditioner draws in heat from the outdoor unit and releases it via the indoor unit during heating operation. When the outdoor temperature falls, heat drawn in by the air conditioner decreases accordingly. At the same time, heat loading of the air conditioner increases due to larger difference between indoor and outdoor temperatures.

If a comfortable temperature can't be achieved by the air conditioner, we suggest you use a supplementary heating device.

9 Auto-restart function

Power failure during operation will stop the unit completely.

For the unit without Auto-restart feature, when the power restores, the OPERATION indicator on the indoor unit starts flashing. To restart the operation, push the ON/OFF button on the remote control. For the unit with Auto-restart feature, when the power restores, after a delay of 3 minutes to protect the compressor the unit restarts automatically with all the previous settings preserved by the memory function.

10 Lightning or a car wireless telephone operating nearby may cause the unit to malfunction. Disconnect the unit with power and then re-connect the unit with power again. Push the ON/OFF button on the remote control to restart operation.

Troubleshooting tips

Before you contact customer services, 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 correct!

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.

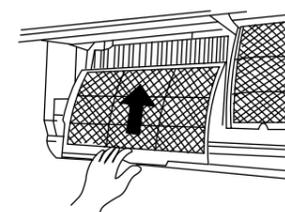
NOTE: When more than one malfunction occur, press any button on the remote control will display the error codes in sequence, and the unit will respond by a beep for each press.

- 4 Other abnormal situations.



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 of 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.



Normal function of the air conditioner

The following symptoms do not indicate air conditioner malfunction.

Problem	Cause
After pressing the start key, the unit is not started by the microprocessor for 3 minutes.	It is for the protection of the compressor, please wait .
Low noise can be heard	The crackling noises are caused by the contraction and expansion of the front panel in response to temperature differences.
	The clicking noise may be heard caused by fan or the compressor when switching on or off. You may hear moving water. This is not a fault. The refrigerant in the air conditioner may have expanded.
Odd smell in the room	The air conditioner also circulates the transpiration from the walls, carpets, smoke, furniture and clothing in the air.
Water drops from the indoor unit	Dripping water may generate on the surface of the indoor unit when cooling in a relatively high humidity (RH more than 80%). Adjust the horizontal louver to the maximum air outlet position and select HIGH fan speed.
Air is not blown out immediately in heat mode.	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 started. B) Defrosting. In such instances refer to the defrosting indicator of the indoor unit is on page 11. C) Low temperature heating. The indoor or outdoor fan stop running when defrosting (Cooling and heating models only).
The unit turns to Fan mode from cool or heat mode automatically	When the room temperature reaches the temperature setting on air conditioner, the compressor will stop automatically, and the air conditioner turns to FAN only mode. The compressor will start again when the room temperature rises on COOL mode or falls on HEAT mode (For cooling & heating models only) to the set point.

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

telephone: 1300 363 640

fax: 1800 350 067

email: customercare@electrolux.com.au

web: www.kelvinator.com.au

**Kelvinator. We are part of the Electrolux family.
Share more of our thinking at www.electrolux.com.au**