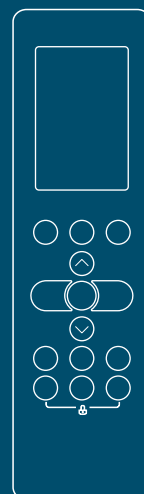
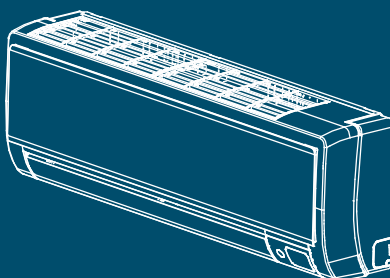
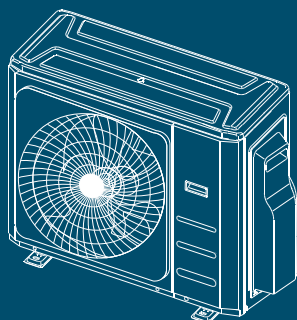
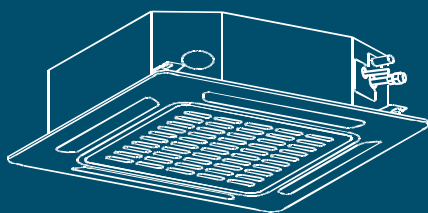


MULTI-AIR CONDITIONER

# Owner's and Controller Manual



**kaden°**  
your perfect climate

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### Important note

Read this manual carefully before installing or operating your new air conditioning unit. Make sure to save this manual for future reference.

### Important note

These appliances must be installed in accordance with:

Manufacturer's Installation Instructions

Current AS/NZS 3000, AS/NZS 5141

Local Regulations and Municipal Building Codes including local OH&S requirements

These appliances must be installed, maintained, and removed only by an Authorised Person.

For continued safety of these appliances, they must be installed and maintained in accordance with the manufacturer's Instructions.



# 1. Safety precautions

## Read safety precautions before installation

**Incorrect installation due to ignoring instructions can cause serious damage or injury.**

The seriousness of potential damage or injuries is classified as either a WARNING or CAUTION.



This symbol indicates that ignoring instructions may cause death or serious injury.



This symbol indicates that ignoring instructions may cause moderate injury to your person, or damage to your unit or other property.



## WARNING

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

## INSTALLATION WARNINGS

- Ask an authorized professional to install this air conditioner. Inappropriate installation may cause water leakage, electric shock, or fire.
- All repairs, maintenance and relocation of this unit must be performed by a licensed service technician. Inappropriate repairs can lead to serious injury or product failure.

## WARNINGS FOR PRODUCT USE

- If an abnormal situation arises (like a burning smell), immediately turn off the unit and pull the power plug. Call your dealer for instructions to avoid electric shock, fire or injury.
- **Do not** insert fingers, rods or other objects into the air inlet or outlet. This may cause injury, since the fan may be rotating at high speeds.
- **Do not** use flammable sprays such as hair spray, lacquer or paint near the unit. This may cause fire or combustion.
- **Do not** operate the air conditioner in places near or around combustible gases. Emitted gas may collect around the unit and cause explosion.
- **Do not** operate the air conditioner in a wet room (e.g., bathroom or laundry room). This can cause electrical shock and cause the product to deteriorate.
- **Do not** expose your body directly to cool air for a prolonged period of time.



## REFRIGERANT

This appliance uses R32 (difluoromethane) refrigerant, which is a flammable gas class 2.2 according to AS 1677 and must be handled by a refrigeration technician with an appropriate Australian refrigerant licence.





## WARNING

Risk of fire / flammable material. If the refrigerant is leaked, together with an external ignition source, there is a possibility of ignition.



## ELECTRICAL WARNINGS

- Only use the specified power cord. If the power cord is damaged, it must be replaced by the manufacturer, certified service agent or licensed electrical contractor.
- Keep power plug clean. Remove any dust or grime that accumulates on or around the plug. Dirty plugs can cause fire or electric shock.
- **Do not** pull power cord to unplug unit. Hold the plug firmly and pull it from the outlet. Pulling directly on the cord can damage it, which can lead to fire or electric shock.
- **Do not** use an extension cord, manually extend the power cord, or connect other appliances to the same outlet as the air conditioner. Poor electrical connections, poor insulation, and insufficient voltage can cause fire.



## CLEANING AND MAINTENANCE WARNINGS

- Turn off the device and pull the plug before cleaning. Failure to do so can cause electrical shock.
- **Do not** clean the air conditioner with excessive amounts of water.
- **Do not** clean the air conditioner with combustible cleaning agents. Combustible cleaning agents can cause fire or deformation.



## CAUTION

- If the air conditioner is used together with burners or other heating devices, thoroughly ventilate the room to avoid oxygen deficiency.
- If you are not going to use the air-conditioner for a long time, disconnect the power from the main isolator.
- During storms or bad weather turn off the unit and disconnect the power from the main isolator.
- Make sure that water condensation can drain unhindered from the unit.
- **Do not** operate the air conditioner with wet hands. This may cause electric shock.
- **Do not** use device for any other purpose than its intended use.
- **Do not** climb onto or place objects on top of the outdoor unit.
- **Do not** allow the air conditioner to operate for long periods of time with doors or windows open, or if the humidity is very high.

---

## 2. Installation and service

### Installation record – installer details

Company name	_____
Company address	_____
	_____
Telephone	_____
Mobile	_____
Email	_____
Certificate of compliance/certification number	_____
Authorised persons license number	_____
Installers name	_____
Installers signature	_____
Installation date	_____

### Installation record – system details

Model number	_____
Serial number indoor unit	_____
Serial number outdoor unit	_____
Installation address	_____
	_____
	_____

### Customer care programme

Service and maintenance in accordance with the Service maintenance schedule on page 7 is essential in ensuring the prolonged useful life of your system, and help ensure it operates at maximum efficiency. More frequent routine maintenance may be necessary where the air conditioning system is installed in harsh environments, or in non-residential applications.

### CAUTION

Service maintenance is not covered under warranty and is a chargeable service. All units must have safe and reasonable access and be installed in compliance with the installation instructions supplied with the unit. Some installations may require two service personnel to attend, in accordance with health and safety requirements.

Also note that all refrigerated air conditioning systems have air filters that require regular inspection and cleaning. Please refer to Cleaning your air filter on pages 17 (KSI), 22 (KMD), 28 (KMC).

## Service maintenance schedule – Kaden KSI R32 Split System

Your Kaden air conditioning system should be maintained annually after the date of installation by a qualified licensed technician in accordance with the schedule below. Failure to do so during the product warranty period may void your warranty. This periodic service and maintenance will prolong the useful life of the unit, and help keep it running safely and at optimum efficiency.

Date of installation	/	/	Installed by			
<b>Service year</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Service date	/	/	/	/	/	/
Service company/technician						
Ambient temperature at CDU (°C)						
<b>Electrical</b>						
Wiring, electrical connections						
Fan motors						
Capacitors (if applicable)						
Printed circuit boards						
<b>Major components</b>						
Outdoor unit clearances						
Outdoor unit condensate tray						
Outdoor unit condensate drain						
Outdoor unit fixing						
Indoor unit condensate tray						
Indoor unit condensate drain/pump						
Refrigerant charge						
Refrigerant connections						
Fan assemblies						
Return air grille and filters						
<b>Controls</b>						
Louvre operation						
Remote operation						
<b>System operation</b>						
Sequence of operation						
Return air temp – cooling/heating	°C	°C	°C	°C	°C	°C
Outlet air temp – cooling/heating	°C	°C	°C	°C	°C	°C
Outdoor unit – liquid line pressure	kPa	kPa	kPa	kPa	kPa	kPa
Outdoor unit – suction line pressure	kPa	kPa	kPa	kPa	kPa	kPa
<b>General installation related and third party components (not Kaden products)*</b>						
Airflow through system						
Refrigerant pipework						
Safety tray						
Wall mounting						
<b>Consumables**</b>						
Capacitors						
Filters						
Batteries (if applicable)						
*Installation and other field-supplied components are not covered by Kaden product warranty. These include, but are not limited to, control wiring, refrigerant gas and electrical connections to the appliance. These should be inspected as they can affect the performance, reliability and safety of the system. **Units contain consumable items that may require period replacement and are not covered by Kaden product warranty (e.g. filters, capacitors and batteries).						
<b>Action codes</b>						
Inspected – Working correctly – No action required	Adjusted part	Cleaned part	Replaced part	Repaired part	Referred to installer	
✓	A	C	R	RP	RI	

## Service maintenance schedule – Kaden KMC R32 Cassette System

Your Kaden air conditioning system should be maintained annually after the date of installation by a qualified licensed technician in accordance with the schedule below. Failure to do so during the product warranty period may void your warranty. This periodic service and maintenance will prolong the useful life of the unit, and help keep it running safely and at optimum efficiency.

Date of installation	/	/	Installed by			
<b>Service year</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Service date	/	/	/	/	/	/
Service company/technician						
Ambient temperature at CDU (°C)						
<b>Electrical</b>						
Wiring, electrical connections						
Fan motors						
Capacitors (if applicable)						
Printed circuit boards						
<b>Major components</b>						
Outdoor unit clearances						
Outdoor unit condensate tray						
Outdoor unit condensate drain						
Outdoor unit fixing						
Indoor unit condensate tray						
Indoor unit condensate drain/pump						
Refrigerant charge						
Refrigerant connections						
Fan assemblies						
Return air grille and filters						
<b>Controls</b>						
Louvre operation						
Remote operation						
<b>System operation</b>						
Sequence of operation						
Return air temp – cooling/heating	°C	°C	°C	°C	°C	°C
Outlet air temp – cooling/heating	°C	°C	°C	°C	°C	°C
Outdoor unit – liquid line pressure	kPa	kPa	kPa	kPa	kPa	kPa
Outdoor unit – suction line pressure	kPa	kPa	kPa	kPa	kPa	kPa
<b>General installation related and third party components (not Kaden products)*</b>						
Airflow through system						
Refrigerant pipework						
Safety tray						
Wall mounting						
<b>Consumables**</b>						
Capacitors						
Filters						
Batteries (if applicable)						
*Installation and other field-supplied components are not covered by Kaden product warranty. These include, but are not limited to, control wiring, refrigerant gas and electrical connections to the appliance. These should be inspected as they can affect the performance, reliability and safety of the system. **Units contain consumable items that may require period replacement and are not covered by Kaden product warranty (e.g. filters, capacitors and batteries).						
<b>Action codes</b>						
Inspected – Working correctly – No action required	Adjusted part	Cleaned part	Replaced part	Repaired part	Referred to installer	
✓	A	C	R	RP	RI	

## Service maintenance schedule – Kaden KMD R32 Slim Ducted System

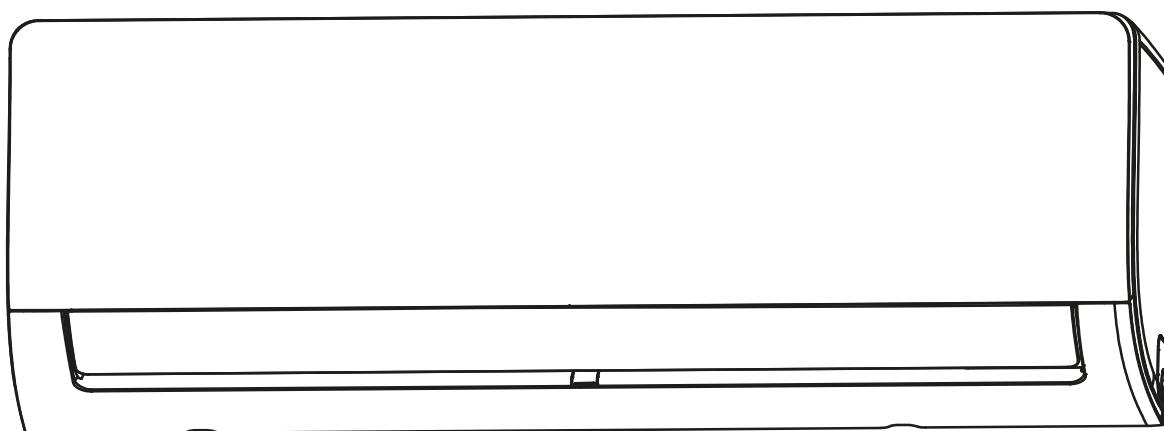
Your Kaden air conditioning system should be maintained annually after the date of installation by a qualified licensed technician in accordance with the schedule below. Failure to do so during the product warranty period may void your warranty. This periodic service and maintenance will prolong the useful life of the unit, and help keep it running safely and at optimum efficiency.

Date of installation	/	/	Installed by			
<b>Service year</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Service date	/	/	/	/	/	/
Service company/technician						
Ambient temperature at CDU (°C)						
<b>Electrical</b>						
Wiring, electrical connections						
Fan motors						
Capacitors (if applicable)						
Printed circuit boards						
<b>Major components</b>						
Outdoor unit clearances						
Outdoor unit condensate tray						
Outdoor unit condensate drain						
Outdoor unit fixing						
Indoor unit condensate tray						
Indoor unit condensate drain/pump						
Refrigerant charge						
Refrigerant connections						
Fan assemblies						
Return air grille and filters						
<b>Controls</b>						
Louvre operation						
Remote operation						
<b>System operation</b>						
Sequence of operation						
Return air temp – cooling/heating	°C	°C	°C	°C	°C	°C
Outlet air temp – cooling/heating	°C	°C	°C	°C	°C	°C
Outdoor unit – liquid line pressure	kPa	kPa	kPa	kPa	kPa	kPa
Outdoor unit – suction line pressure	kPa	kPa	kPa	kPa	kPa	kPa
<b>General installation related and third party components (not Kaden products)*</b>						
Airflow through system						
Refrigerant pipework						
Safety tray						
Wall mounting						
<b>Consumables**</b>						
Capacitors						
Filters						
Batteries (if applicable)						
*Installation and other field-supplied components are not covered by Kaden product warranty. These include, but are not limited to, control wiring, refrigerant gas and electrical connections to the appliance. These should be inspected as they can affect the performance, reliability and safety of the system. **Units contain consumable items that may require period replacement and are not covered by Kaden product warranty (e.g. filters, capacitors and batteries).						
<b>Action codes</b>						
Inspected – Working correctly – No action required	Adjusted part	Cleaned part	Replaced part	Repaired part	Referred to installer	
✓	A	C	R	RP	RI	

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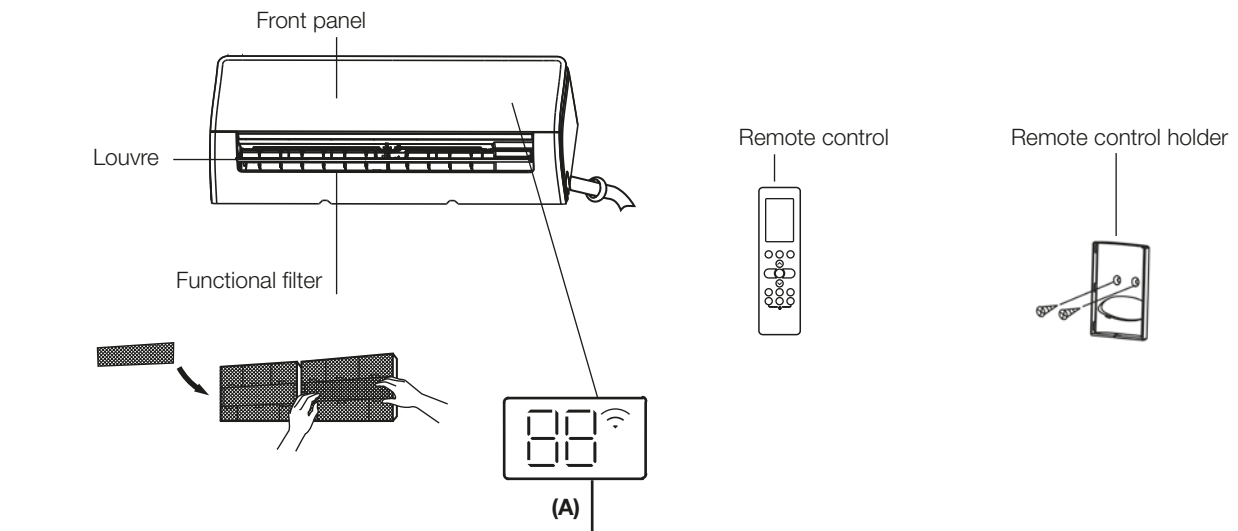
# KSI Split System Air Conditioner

KSI06 | KSI09 | KSI12 | KSI18 | KSI24 | KSI28



# 1. KSI unit specifications and features

## Unit parts



when Wireless Control feature is activated (some units)



displays temperature, operation feature and error codes



for 3 seconds when:

- TIMER ON is set (if the unit is OFF, **ON** remains on when TIMER ON is set)
- FRESH, SWING, TURBO, ECO or SILENCE feature is turned on



for 3 seconds when:

- TIMER OFF is set
- FRESH, SWING, TURBO, ECO or SILENCE feature is turned off



when defrosting



when 8°C heating feature is turned on (some units)



when Active Clean feature is turned on (for inverter split type)  
when unit is self-cleaning (for fixed-speed type)

### Display code meanings



## Achieving optimal performance

Optimal performance for the COOL, HEAT, and DRY modes can be achieved in the following temperature ranges. When your air conditioner is used outside of these ranges, certain safety protection features will activate and cause the unit to perform less than optimally.

### Inverter split type

	COOL mode	HEAT mode	DRY mode
Room temperature	17°C – 32°C	0°C – 30°C	10°C – 32°C
Outdoor temperature	-15°C – 50°C	-15°C – 30°C	0°C – 50°C

### To further optimize the performance of your unit, do the following:

- Keep doors and windows closed.
- Limit energy usage by using TIMER ON and TIMER OFF functions.
- **Do not** block air inlets or outlets.
- Regularly inspect and clean air filters.

For a detailed explanation of each function, refer to the Remote Control Manual.

## Other features

1. **Auto-restart**  
If the unit loses power, it will automatically restart with the prior settings once power has been restored.
2. **Mute operation**  
Pressing the LED button on the remote control can turn off the indoor screen display, and also turn off the air conditioner buzzer, which creates a comfortable and quiet environment.
3. **Wireless control**  
Wireless control allows you to control your air conditioner using your mobile phone and a Wireless connection.

For the USB device access, replacement, maintenance operations must be carried out by a professional.

- **Louvre angle memory**  
When turning on your unit, the louvre will automatically resume its former angle.
- **Refrigerant leakage detection**  
The indoor unit will automatically display “EC” when it detects refrigerant leakage.

For a detailed explanation of your unit's advanced functionality (such as TURBO mode and its self-cleaning functions), refer to the Remote Control Manual.

## Setting angle of air flow

### Setting vertical angle of air flow

While the unit is on, use the vertical **SWING** button to set the direction (vertical angle) of airflow.

- To make the louvre swing up and down continuously, press and hold the vertical **SWING** button for 3 seconds. Press it again to stop the automatic function.

### Setting horizontal angle of air flow

While the unit is on, use the horizontal **SWING** button to set the direction (horizontal angle) of airflow.

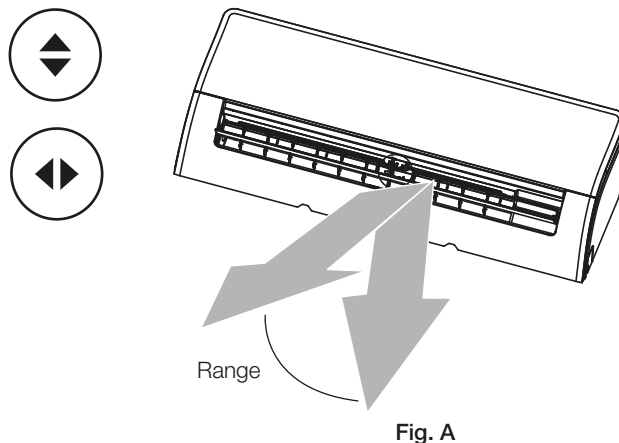
- Press the horizontal **SWING** button once to activate the louvre.

## Note on louvre angles

When using COOL or DRY mode, do not set louvre at too vertical an angle for long periods of time. This can cause water to condense on the louvre blade, which will drop on your floor or furnishings. (See **Fig. A**)

When using COOL or HEAT mode, setting the louvre at too vertical an angle can reduce the performance of the unit due to restricted air flow.

Do not move louvre by hand. This will cause the louvre to become out of sync. If this occurs, turn off the unit and unplug it for a few seconds, then restart the unit. This will reset the louvre.

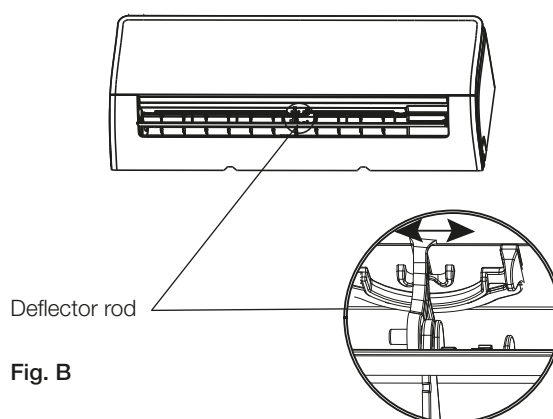


### ! CAUTION

**Do not** keep louvre at too vertical an angle for long periods of time. This can cause water condensation to drip on your furnishings.

### ! CAUTION

**Do not** put your fingers in or near the blower and suction side of the unit. The high-speed fan inside the unit may cause injury.



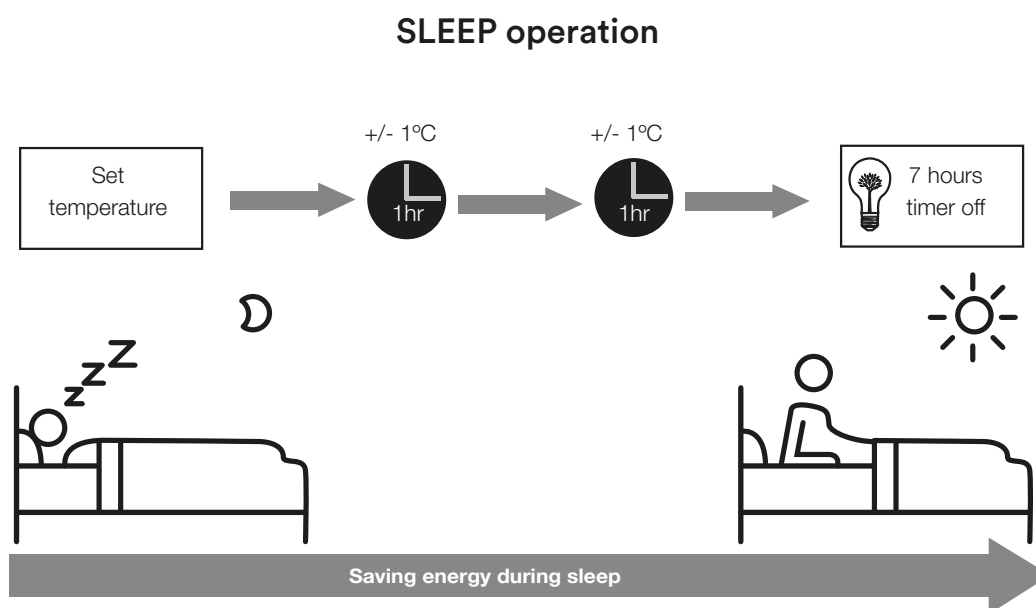
## SLEEP operation

The SLEEP function is used to decrease energy use while you sleep (and don't need the same temperature settings to stay comfortable). This function can only be activated via remote control.

Press the **SLEEP** button when you are ready to go to sleep. When in COOL mode, the unit will increase the temperature by 1°C after 1 hour, and will increase an additional 1°C after another hour. When in HEAT mode, the unit will decrease the temperature by 1°C after 1 hour, and will decrease an additional 1°C after another hour.

It will hold the new temperature for 5 hours, then the unit will turn off automatically.

**NOTE:** The SLEEP function is not available in **FAN** or **DRY** mode.



## 2. KSI manual operation (without remote)

### How to operate your unit without the remote control

In the event that your remote control fails to work, your unit can be operated manually with the **MANUAL CONTROL** button located on the indoor unit. Note that manual operation is not a long-term solution, and that operating the unit with your remote control is strongly recommended.

#### BEFORE MANUAL OPERATION

Unit must be turned off before manual operation.

To operate your unit manually:

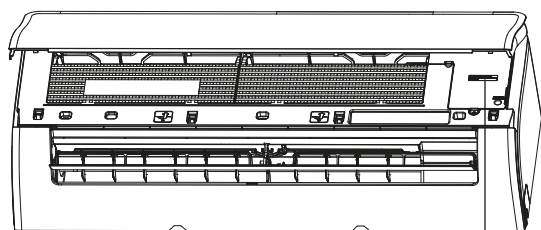
1. Locate the **MANUAL CONTROL** button on the right-hand side panel of the unit.
2. Press the **MANUAL CONTROL** button one time to activate FORCED AUTO mode.
3. Press the **MANUAL CONTROL** button again to activate FORCED COOLING mode.
4. Press the **MANUAL CONTROL** button a third time to turn the unit off.

### ! CAUTION

The manual button is intended for testing purposes and emergency operation only. Please **do not** use this function unless the remote is lost and it is absolutely necessary. To restore regular operation, use the remote control to activate the unit.

### Wi-Fi operation setup

For instructions on setting up Wi-Fi connectivity for your Kaden air conditioner, please scan the QR code below, or visit [kadenair.com.au](http://kadenair.com.au)



Manual control button

## 3. KSI care and maintenance

### Cleaning your indoor unit



#### BEFORE CLEANING OR MAINTENANCE

Always turn off your air conditioner system and disconnect its power supply before cleaning or maintenance.



#### CAUTION

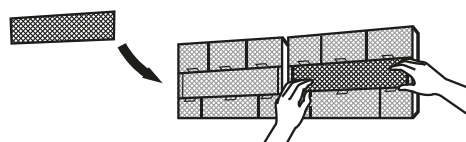
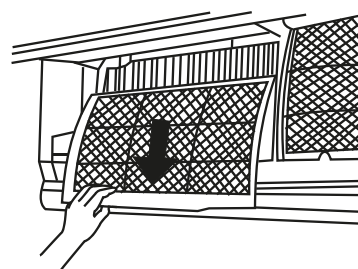
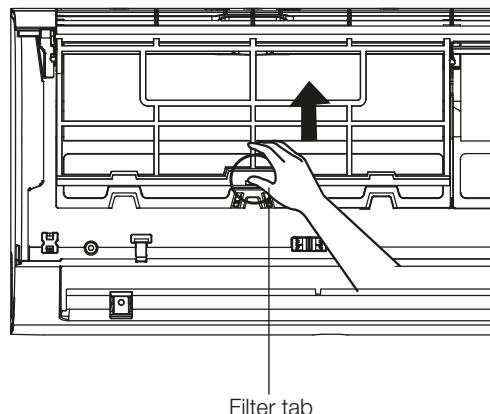
Only use a soft, dry cloth to wipe the unit clean. If the unit is especially dirty, you can use a cloth soaked in warm water to wipe it clean.

- **Do not** use chemicals or chemically treated cloths to clean the unit
- **Do not** use benzene, paint thinner, polishing powder or other solvents to clean the unit. They can cause the plastic surface to crack or deform.
- **Do not** use water hotter than 40°C (104°F) to clean the front panel. This can cause the panel to deform or become discoloured.

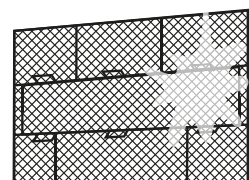
### Cleaning your air filter

A clogged air conditioner can reduce the cooling efficiency of your unit, and can also be bad for your health. Make sure to clean the filter once every two weeks.

1. Lift the front panel of the indoor unit.
2. First press the tab on the end of filter to loosen the buckle, lift it up, then pull it towards yourself.
3. Now pull the filter out.
4. If your filter has a small air freshening filter, unclip it from the high-density filter. Clean this air freshening filter with a hand-held vacuum.
5. Clean the large high-density with warm, soapy water. Be sure to use a mild detergent.
6. Rinse the filter with fresh water, then shake off excess water.
7. Dry it in a cool, dry place, and refrain from exposing it to direct sunlight.
8. When dry, re-clip the air freshening filter to the larger filter, then slide it back into the indoor unit.
9. Close the front panel of the indoor unit.



Remove air-freshening filter from back of high-density filter (some units)



#### CAUTION

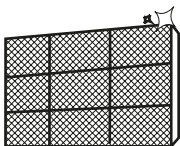
**Do not** touch air freshening (Plasma) filter for at least 10 minutes after turning off the unit.

## ! CAUTION

- Before changing the filter or cleaning, turn off the unit and disconnect its power supply.
- When removing filter, **do not** touch metal parts in the unit. The sharp metal edges can cut you.
- **Do not** use water to clean the inside of the indoor unit. This can destroy insulation and cause electrical shock.
- **Do not** expose filter to direct sunlight when drying. This can shrink the filter.
- Any maintenance and cleaning of outdoor unit should be performed by an authorized dealer or a licensed service provider.
- Any unit repairs should be performed by an authorized dealer or a licensed service provider.

## Maintenance – long periods of non-use

If you plan not to use your air conditioner for an extended period of time, do the following:



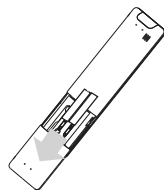
Clean all filters



Turn on FAN function until unit dries out completely



Turn off the unit and disconnect the power



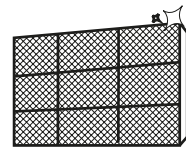
Remove batteries from remote control

## Maintenance – pre-season inspection

After long periods of non-use, or before periods of frequent use, do the following:



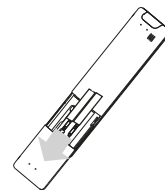
Check for damaged wires



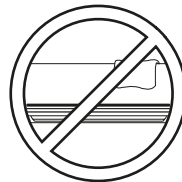
Clean all filters



Check for leaks



Replace batteries

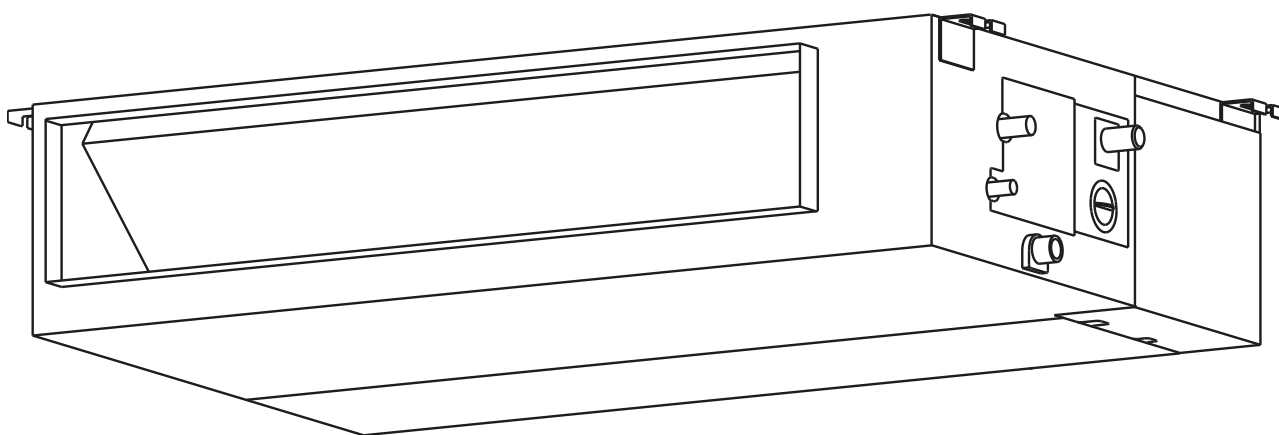


Make sure nothing is blocking all air inlets and outlets



# KMD Ducted Air Conditioner

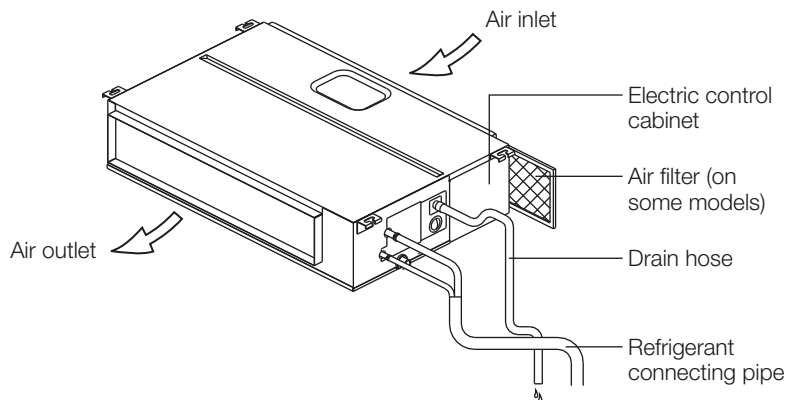
KMD09 | KMD12 | KMD18 | KMD24



# 1. KMD unit specifications and features

## Indoor unit

The filter is removed from the left or right



## Operating temperature

When your air conditioner is used outside of the following temperature ranges, certain safety protection features may activate and cause the unit to disable.

### Inverter split type

	COOL mode	HEAT mode	DRY mode
Room temperature	17°C – 32°C	0°C – 30°C	10°C – 32°C
Outdoor temperature	-15°C – 50°C	-15°C – 24°C	0°C – 50°C

When outside temperature is below 0°C we strongly recommend keeping the unit on to ensure smooth ongoing performance.

**NOTE:** 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 sets the vertical air flow louvre to its maximum angle (vertically to the floor), and set HIGH fan mode.



To further optimize the performance of your unit, do the following:

- Keep doors and windows closed.
- Limit energy usage by using TIMER ON and TIMER OFF functions.
- **Do not** block air inlets or outlets.
- Regularly inspect and clean air filters.

## Other features

### Default setting

When the air conditioner restarts after a power failure, it will default to the factory settings (AUTO mode, AUTO fan, 24°C). This may cause inconsistencies on the wired control and unit panel. Use your wired control to update the status.

### Auto-restart

In case of power failure, the system will immediately stop. When power returns, the wired control display will return. To restart the unit, press the ON/OFF button on the wired control. If the system has an auto restart function, the unit will restart using the same settings.

### Three-minute protection feature

A protection feature prevents the air conditioner from being activated for approximately 3 minutes when it restarts immediately after operation.

### Refrigerant leak detection system

In the event of a refrigerant leak, the wired control will display "EC".

## 2. KMD care and maintenance

### Cleaning your indoor unit

#### ! BEFORE CLEANING OR MAINTENANCE

ALWAYS TURN OFF YOUR AIR CONDITIONER SYSTEM AND DISCONNECT ITS POWER SUPPLY BEFORE CLEANING OR MAINTENANCE.

#### ! CAUTION

Only use a soft, dry cloth to wipe the unit clean. If the unit is especially dirty, you can use a cloth soaked in warm water to wipe it clean.

- **Do not** use chemicals or chemically treated cloths to clean the unit
- **Do not** use benzene, paint thinner, polishing powder or other solvents to clean the unit. They can cause the plastic surface to crack or deform.
- **Do not** use water hotter than 40°C to clean the front panel. This can cause the panel to deform or become discoloured.

### Cleaning your air filter

A clogged air conditioner can reduce the cooling efficiency of your unit, and can also be bad for your health. Make sure to clean the filter once every two weeks.

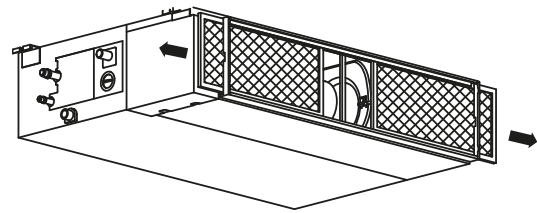
#### ! WARNING: DO NOT REMOVE OR CLEAN THE FILTER BY YOURSELF

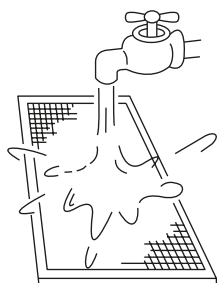
Removing and cleaning the filter can be dangerous. Removal and maintenance must be performed by a qualified service technician.

1. If the unit you purchased is a rear ventilated one, take off the filter in the directions indicated by the arrows in the following diagram.
2. Remove the air filter.

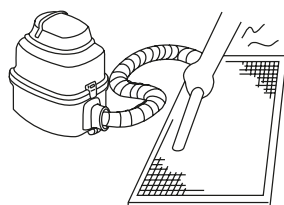
3. Clean the air filter by vacuuming the surface or washing it in warm water with mild detergent.
4. Rinse the filter with clean water and allow it to air-dry. **Do not** let the filter dry in direct sunlight.
5. Reinstall the filter.

#### Rear ventilated model





If using water, the inlet side should face down and away from the water stream.



If using a vacuum cleaner, the inlet side should face the vacuum.

## ! CAUTION

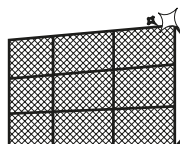
- Before changing the filter or cleaning, turn off the unit and disconnect its power supply.
- When removing filter, **do not** touch metal parts in the unit. The sharp metal edges can cut you.
- **Do not** use water to clean the inside of the indoor unit. This can destroy insulation and cause electrical shock.
- **Do not** expose filter to direct sunlight when drying. This can shrink the filter.

## ! CAUTION

- Any maintenance and cleaning of outdoor unit should be performed by an authorised dealer or a licensed service provider.
- Any unit repairs should be performed by an authorised dealer or a licensed service provider.

## Maintenance – long periods of non-use

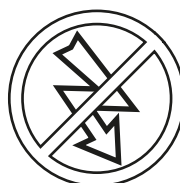
If you plan not to use your air conditioner for an extended period of time, do the following:



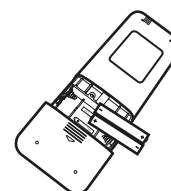
Clean all filters



Turn on FAN function until unit dries out completely



Turn off the unit



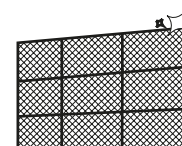
Remove batteries from remote control

## Maintenance – pre-season inspection

After long periods of non-use, or before periods of frequent use, do the following:



Check for damaged wires



Clean all filters



Check for leaks



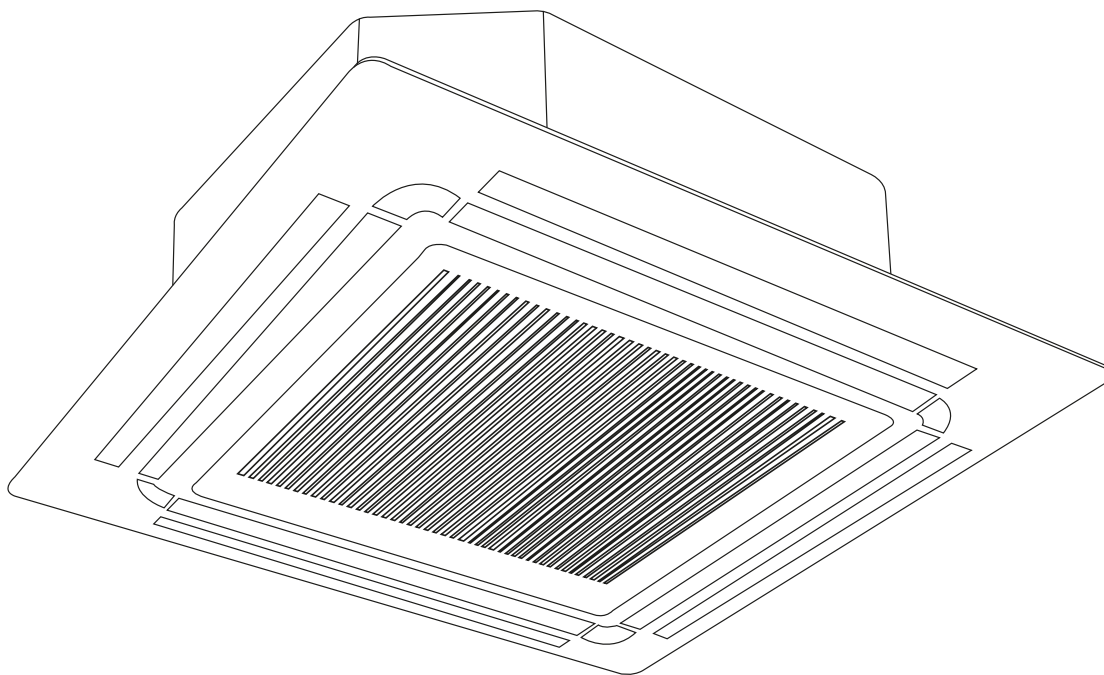
Make sure nothing is blocking all air inlets and outlets



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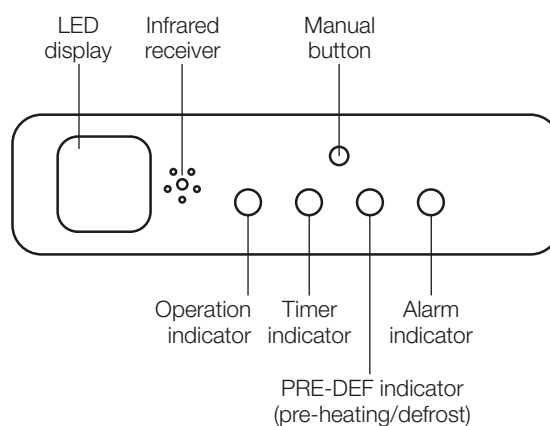
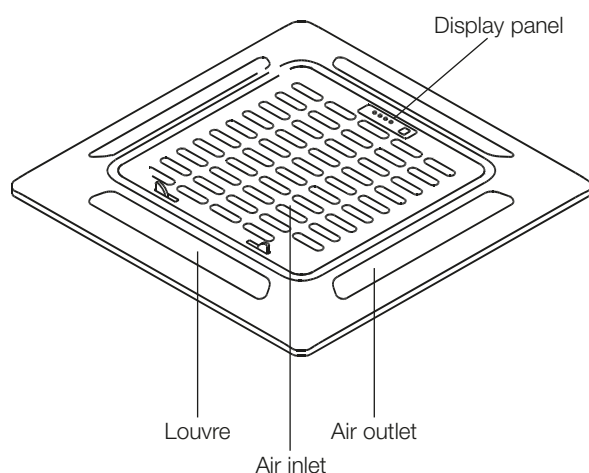
# KMC Cassette Air Conditioner

KMC09 | KMC12 | KMC18



# 1. KMC unit specifications and features

## Indoor unit display



**MANUAL BUTTON:** This button selects the mode in the following order: AUTO, FORCED COOL, OFF.

**FORCED COOL MODE:** In FORCED COOL mode, the Operation light flashes. The system will then turn to AUTO after it has cooled with a high fan speed for 30 minutes. The remote control will be disabled during this operation.

**OFF MODE:** When the panel is turned OFF, the unit turns off and the remote control is re-enabled.

## Operating temperature

When your air conditioner is used outside of the following temperature ranges, certain safety protection features may activate and cause the unit to disable.

### Inverter split type

	COOL mode	HEAT mode	DRY mode
Room temperature	17°C – 32°C	0°C – 30°C	10°C – 32°C
Outdoor temperature	-15°C – 50°C	-15°C – 24°C	0°C – 50°C

When outside temperature is below 0°C we strongly recommend keeping the unit 'powered' to ensure smooth ongoing performance.

**NOTE:** If the air conditioner is operating in a room where the relative humidity of the room is less than 80%, the surface of the air conditioner may attract condensation. Please set the vertical air flow louvre to its maximum angle (vertically to the floor), and set HIGH fan mode.

To further optimise the performance of your unit, do the following:

- Keep doors and windows closed.
- Limit energy usage by using TIMER ON and TIMER OFF functions.
- **Do not** block air inlets or outlets.
- Arrange for a qualified service technician to inspect and clean the air filters seasonally. **Do not** do it yourself; it can be dangerous.

## Other features

### Default setting

When the air conditioner restarts after a power failure, it will default to the factory settings (AUTO mode, AUTO fan, 24°C. This may cause inconsistencies on the remote control and unit panel. Use your remote control to update the status.

### Auto-restart

In case of power failure, the system will immediately stop. When power returns, the Operation light on the indoor unit will flash. To restart the unit, press the **ON/OFF** button on the remote control. If the system has an auto restart function, the unit will restart using the same settings.

### Three-minute protection feature

A protection feature prevents the air conditioner from being activated for approximately 3 minutes when it restarts immediately after operation.

### Louvre angle memory function

Some models are designed with a louvre angle memory function. When the unit restarts after a power failure, the angle of the horizontal louvres will automatically return to the previous position. The angle of the horizontal louvre should not be set too small as condensation may form and drip into the machine. To reset the louvre, press the manual button, which will reset the horizontal louvre settings.

### Refrigerant leak detection system

In the event of a refrigerant leak, the LCD screen will display "EC" and the LED indicator light will flash.

## 2. KMC care and maintenance

### Cleaning your indoor unit



#### BEFORE CLEANING OR MAINTENANCE

**ALWAYS TURN OFF YOUR AIR CONDITIONER SYSTEM AND DISCONNECT ITS POWER SUPPLY BEFORE CLEANING OR MAINTENANCE.**



#### CAUTION

Only use a soft, dry cloth to wipe the unit clean. If the unit is especially dirty, you can use a cloth soaked in warm water to wipe it clean.

- **Do not** use chemicals or chemically treated cloths to clean the unit.
- **Do not** use benzene, paint thinner, polishing powder or other solvents to clean the unit. They can cause the plastic surface to crack or deform.
- **Do not** use water hotter than 40°C to clean the front panel. This can cause the panel to deform or become discoloured.

### Cleaning your air filter



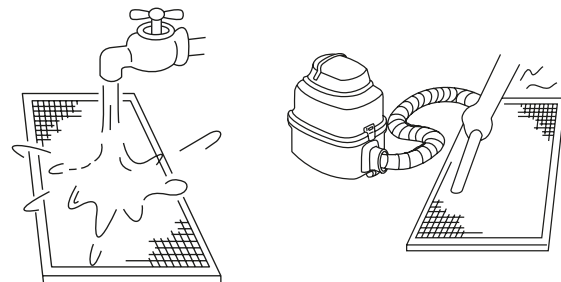
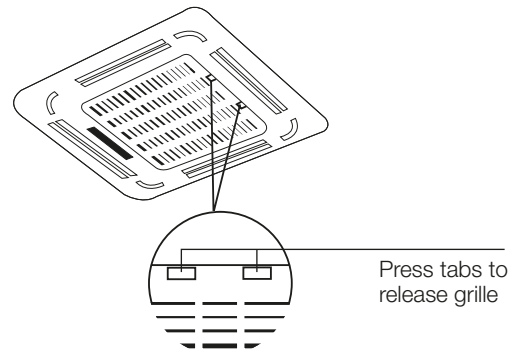
#### WARNING: DO NOT REMOVE OR CLEAN THE FILTER BY YOURSELF

Removing and cleaning the filter can be dangerous. Removal and maintenance must be performed by a authorised technician.

A clogged air conditioner can reduce the cooling efficiency of your unit, and can also be bad for your health.

1. Unlock the grille by pushing the two tabs towards the middle simultaneously.
2. Unplug the display panel cable from the control box on the main body.
3. Detach the grille from the main unit by holding the grille at a 45° angle, lifting it up slightly and then pulling the grille forward.
4. Remove the air filter.

5. Clean the air filter by vacuuming the surface or washing it in warm water with mild detergent.
6. Rinse the filter with clean water and allow it to air-dry. **Do not** let the filter dry in direct sunlight.
7. Reinstall the filter.
8. Reinstall the front grille and reconnect the display panel cable to the control box on the main body.



If using water, the inlet side should face down and away from the water stream.

If using a vacuum cleaner, the inlet side should face the vacuum.



## ! CAUTION

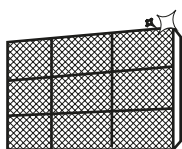
- Before changing the filter or cleaning, turn off the unit and disconnect its power supply.
- When removing filter, **do not** touch metal parts in the unit. The sharp metal edges can cut you.
- **Do not** use water to clean the inside of the indoor unit. This can destroy insulation and cause electrical shock.
- **Do not** expose filter to direct sunlight when drying. This can shrink the filter.

## ! CAUTION

- Any maintenance and cleaning of outdoor unit should be performed by an authorised technician.
- Any unit repairs should be performed by an authorised technician.

## Maintenance – long periods of non-use

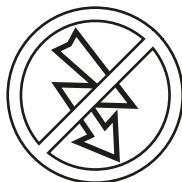
If you plan not to use your air conditioner for an extended period of time, do the following:



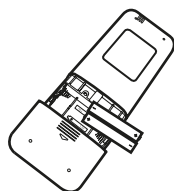
Arrange for all filters to be cleaned



Turn on FAN function until unit dries out completely



Turn off the unit and disconnect the power



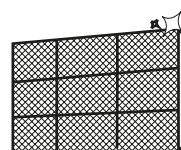
Remove batteries from remote control

## Maintenance – pre-season inspection

After long periods of non-use, arrange for all the following maintenance to be carried out by a licensed service provider:



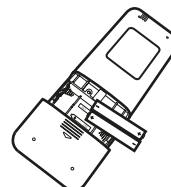
Check for damaged wires



Clean all filters



Check for leaks



Replace batteries



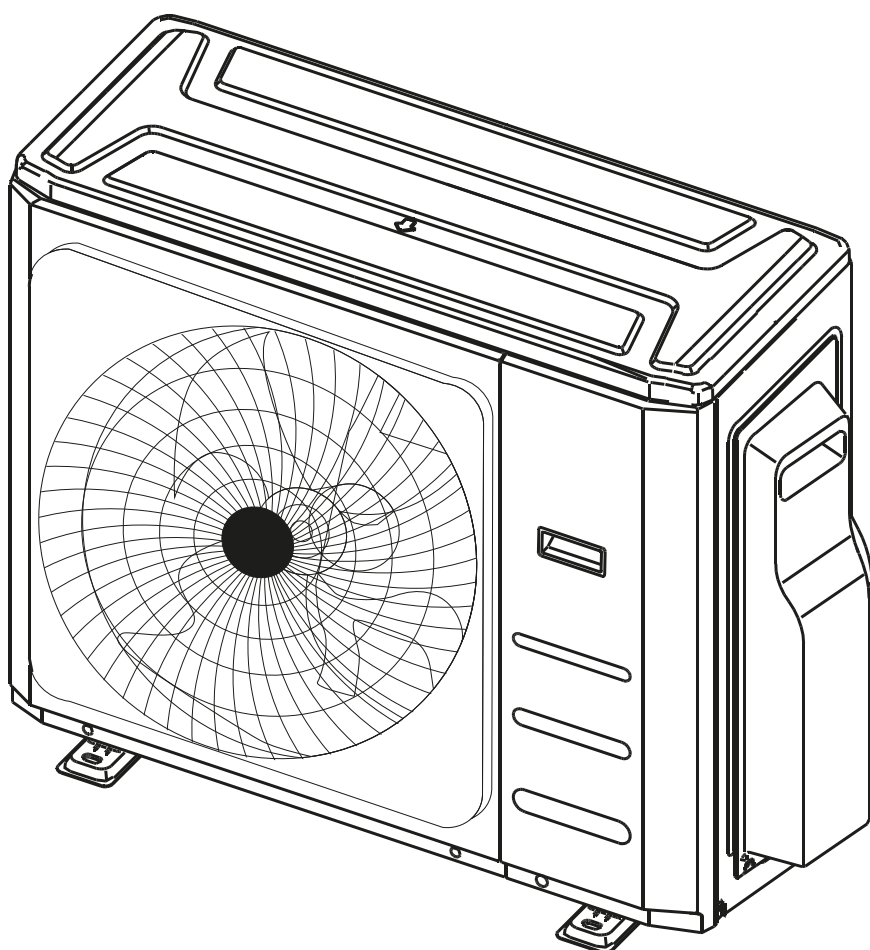
Make sure nothing is blocking all air inlets and outlets



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# KM Multi Outdoor Unit

KM18 | KM24 | KM28 | KM46 | KM48 | KM60



# 1. KM units parts and major functions

## Unit parts

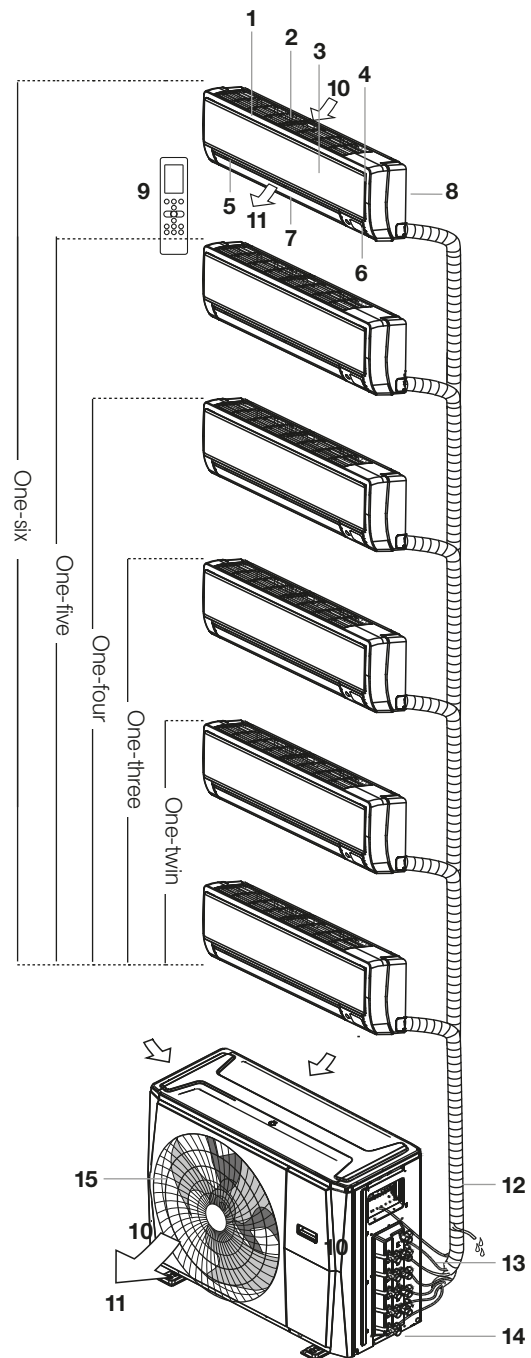
### (A) Wall-mounted air conditioner

#### Indoor unit

- 1 Panel frame
- 2 Rear air intake grille
- 3 Front panel
- 4 Air purifying filter and air filter (behind)
- 5 Horizontal louvre
- 6 LCD display window
- 7 Vertical louvre
- 8 Manual control button (behind)
- 9 Remote controller
- 10 Air inlet
- 11 Air outlet

#### Outdoor unit

- 12 Drain hose, refrigerant connecting pipe
- 13 Connective cable
- 14 Stop valve
- 15 Fan hood



**NOTE:** For multi-split type air conditioners, one outdoor unit can be matched to different types of indoor units. All of the pictures in this manual are for demonstration purposes only. Your air conditioner may be slightly different, if similar in shape. The following pages introduce several kinds of indoor units that can be matched with the outdoor units.

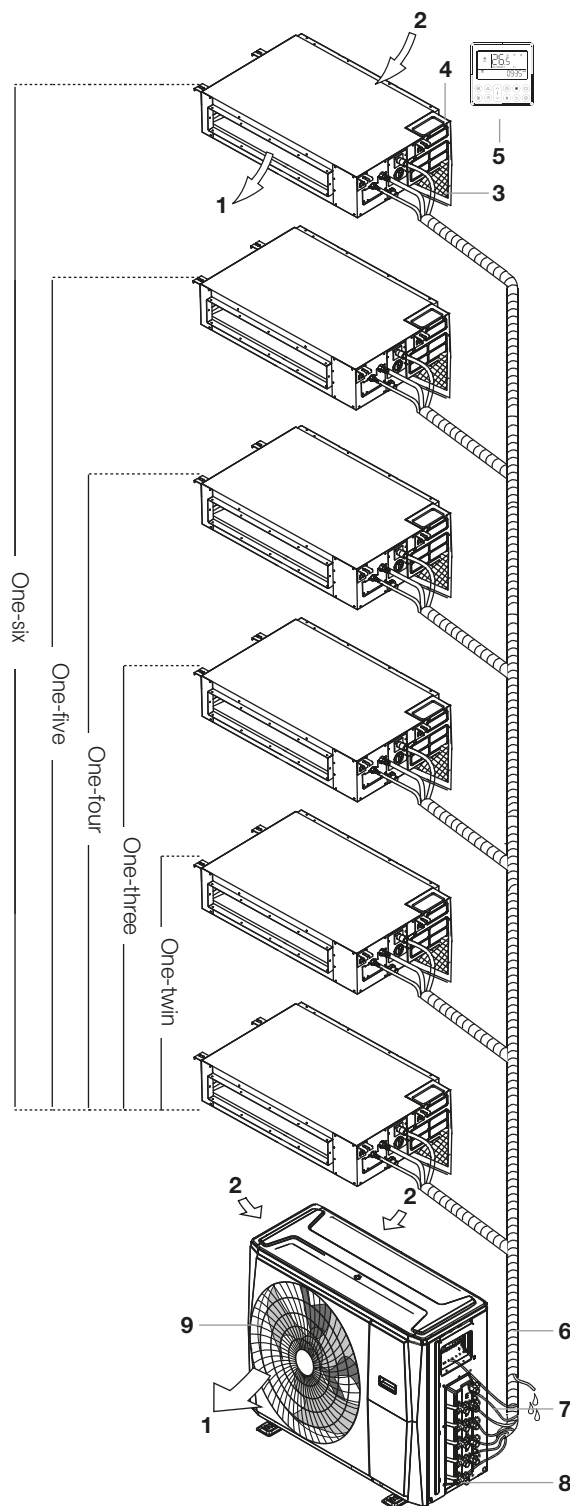
## (B) Ducted air conditioner

### Indoor unit

- 1 Air outlet
- 2 Air inlet
- 3 Air filter
- 4 Electric control cabinet
- 5 Wired controller

### Outdoor unit

- 6 Drain hose, refrigerant connecting pipe
- 7 Connective cable
- 8 Stop valve
- 9 Fan hood



**NOTE:** For multi-split type air conditioners, one outdoor unit can be matched to different types of indoor units. All of the pictures in this manual are for demonstration purposes only. Your air conditioner may be slightly different, if similar in shape. The following pages introduce several kinds of indoor units that can be matched with the outdoor units.

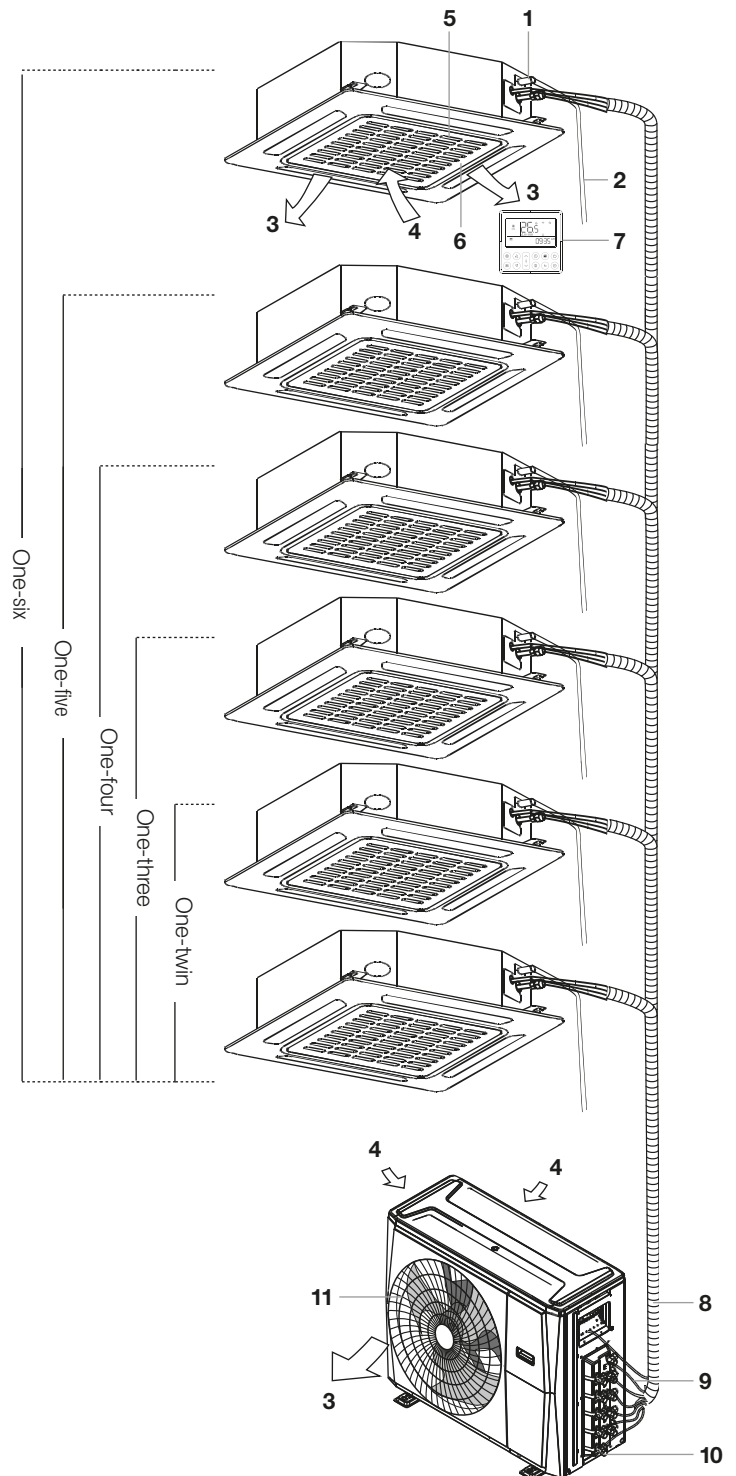
## (D) Cassette

### Indoor unit

- 1 Drain pump (drain water from indoor unit)
- 2 Drain hose
- 3 Air outlet
- 4 Air inlet
- 5 Air-in grill
- 6 Display panel
- 7 Controller

### Outdoor unit

- 8 Refrigerant connecting pipe
- 9 Connective cable
- 10 Stop valve
- 11 Fan hood



**NOTE:** For multi-split type air conditioners, one outdoor unit can be matched to different types of indoor units. All of the pictures in this manual are for demonstration purposes only. Your air conditioner may be slightly different, if similar in shape. The following pages introduce several kinds of indoor units that can be matched with the outdoor units.

## Operating temperature

When your air conditioner is used outside of the following temperature ranges, certain safety protection features may activate and cause the unit to disable.

	COOL mode	HEAT mode	DRY mode
Room temperature	17°C – 32°C	0°C – 30°C	10°C – 32°C
Outdoor temperature	-15°C – 50°C	-15°C – 24°C	0°C – 50°C

### FOR OUTDOOR UNITS WITH CRANKCASE ELECTRIC HEATER

When outside temperature is below 0°C we strongly recommend keeping the unit plugged in at all times to ensure smooth ongoing performance.

**NOTE:** If the air conditioner is operating in a room where the relative humidity of the room is **less** than 80%, the surface of the air conditioner may attract condensation. Please set the vertical air flow louvre to its maximum angle (vertically to the floor), and set HIGH fan mode.

### To further optimise the performance of your unit, do the following:

- Keep doors and windows closed.
- Limit energy usage by using TIMER ON and TIMER OFF functions.
- **Do not** block air inlets or outlets.
- Arrange for a qualified service technician to inspect and clean the air filters seasonally. **Do not** do it yourself; it can be dangerous.

## Features

### Protection of the air conditioner

#### Compressor protection

The compressor cannot restart for 3 minutes after it stops.

#### Anti-cold air

The unit is designed to not 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.

1. When heating has just started.
2. During defrosting.
3. Low temperature heating.

The indoor or outdoor fan stops running when defrosting (Cooling and heating models only).

#### Defrosting

Frost may be generated on the outdoor unit during a heat cycle when outdoor temperature is low and humidity is high resulting in lower heating efficiency in the air conditioner.

Under these conditions, the air conditioner will stop heating operations and start defrosting automatically.

The time to defrost may vary from 4 to 10 minutes, depending on the outdoor temperature and the amount of frost build-up on the outdoor unit.

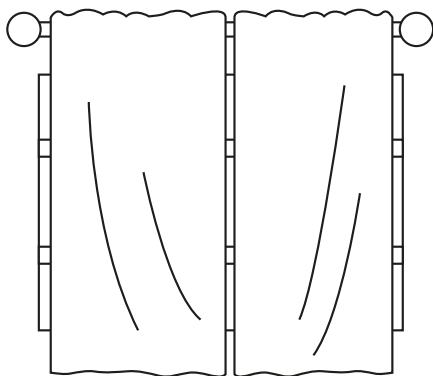
### Auto-restart

In case of power failure, the system will immediately stop. If the system has an auto restart function, the unit will restart using the same settings.

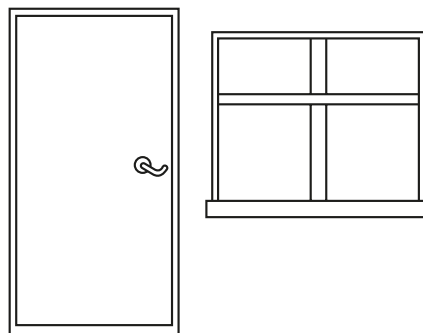
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## Energy-saving tips

- **Do not** set the unit to excessive temperature levels.
- While cooling, close the curtains to avoid direct sunlight.
- Doors and windows should be kept closed to keep cool or warm air in the room.
- **Do not** place objects near the air inlet and outlet of the unit. This will reduce the efficiency of the unit.
- Set a timer and use the built-in SLEEP/ECONOMY mode if applicable.
- If you don't plan to use the unit for a long time, remove the batteries from the remote control.
- Clean the air filter every two weeks. A dirty filter can reduce cooling or heating efficiency.
- Adjust louvres properly and avoid direct airflow.



Closing curtains during heating also helps keep the heat in



Doors and windows should be kept closed



## 2. KM manual operations and maintenance

**NOTE:** Before you clean the air conditioner, be sure to switch off the unit and disconnect the power supply plug.

### Operation mode selection

While two or more indoor units are simultaneously operating, make sure the modes do not conflict with each other. The heat mode claims precedence over all other modes. If the unit initially started to operate in HEAT mode, the other units can operate in HEAT mode only. For example: If the unit initially started operates under COOL (or FAN) mode, the other units can operate under any mode except HEAT. If one of the unit selects HEAT mode, the other operating units will stop operation and display “-” (for units with display window only) or the auto and operation indication light will flash rapidly, the defrost indication light will turn off, and the timer indication light will remain on (for units without a display window). Alternatively, the defrost and alarm indication light (if applicable) will light up, or the operation indication light will flash rapidly, and the timer indication light will turn off ( for the floor and standing type).

### Maintenance

If you plan to leave the unit idle for a long time, perform the following tasks:

1. Clean the indoor unit and air filter.
2. Select FAN ONLY mode and let the indoor fan run for a time to dry the inside of the unit.
3. Disconnect the power supply and remove the battery from the remote control.
4. Check components of the outdoor unit periodically. Contact a local dealer or a customer service centre if the unit requires servicing.

### Optimal operation

To achieve optimal performance, please note the following:

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

**Suggestion:** For units that feature an electric heater, when the outside ambient temperature is below 0°C, it is strongly recommended that you to keep the machine plugged in so as to guarantee smooth operation.

---

## 3. Disposal guidelines

This appliance contains refrigerant and other potentially hazardous materials. When disposing of this appliance, the law may require special collection and treatment. Decommissioning of this air conditioner must be performed by a trade qualified licensed technician so as to comply with Australian law.

Emitting some refrigerants to the atmosphere is illegal and is detrimental to the environment.

### CAUTION

This air conditioner contains high pressure refrigerant and oil.

**Do not** dispose of this product as household waste or unsorted municipal waste.

When disposing of this appliance, you have the following options:

- Dispose of the appliance at a designated municipal electronic waste collection facility.
- Sell the appliance to certified scrap metal dealers.

**NOTE:** Disposing of this appliance in the forest or other natural surroundings endangers your health and is bad for the environment.

## 4. Troubleshooting



### SAFETY PRECAUTIONS

If any of the following conditions occurs, turn off your unit immediately!

- The power cord is damaged or abnormally warm.
- You smell a burning odour.
- The unit emits loud or abnormal sounds.
- A power fuse blows or the circuit breaker frequently trips.
- Water or other objects fall into or out of the unit.

**DO NOT ATTEMPT TO FIX THESE YOURSELF! CONTACT AN AUTHORISED TECHNICIAN IMMEDIATELY!**

### Common issues

The following problems are not a malfunction and in most situations will not require repairs.

Issue	Possible causes
Unit does not turn on when pressing ON/OFF button	The unit has a 3-minute protection feature that prevents the unit from overloading. The unit cannot be restarted within three minutes of being turned off.
	Cooling and heating models: If the Operation light and PRE-DEF (Pre-heating/Defrost) indicators are lit up, the outdoor temperature is too cold and the unit's anti-cold function is activated in order to defrost the unit.
	In cooling-only models: If the "Fan Only" indicator is lit up, the outdoor temperature is too cold and the unit's anti-freeze protection is activated in order to defrost the unit.
The unit changes from COOL/HEAT mode to FAN mode	The unit may change its setting to prevent frost from forming on the unit. Once the temperature increases, the unit will start operating in the previously selected mode again.
	The set temperature has been reached, at which point the unit turns off the compressor. The unit will continue operating when the temperature fluctuates again.
The indoor unit emits white mist	In humid regions, a large temperature difference between the room's air and the conditioned air can cause white mist.
Both the indoor and outdoor units emit white mist	When the unit restarts in HEAT mode after defrosting, white mist may be emitted due to moisture generated from the defrosting process.
The indoor unit makes noises	A rushing air sound may occur when the louvre resets its position.
	A squeaking sound is heard when the system is OFF or in COOL mode. The noise is also heard when the drain pump (optional) is in operation.
	A squeaking sound may occur after running the unit in HEAT mode due to expansion and contraction of the unit's plastic parts.
Both the indoor unit and outdoor unit make noises	Low hissing sound during operation: This is normal and is caused by refrigerant gas flowing through both indoor and outdoor units.
	Low hissing sound when the system starts, has just stopped running, or is defrosting: This noise is normal and is caused by the refrigerant gas stopping or changing direction.
	Squeaking sound: Normal expansion and contraction of plastic and metal parts caused by temperature changes during operation can cause squeaking noises.

Issue	Possible causes
The outdoor unit makes noises	The unit will make different sounds based on its current operating mode.
Dust is emitted from either the indoor or outdoor unit	The unit may accumulate dust during extended periods of non-use, which will be emitted when the unit is turned on. This can be mitigated by covering the unit during long periods of inactivity.
The unit emits a bad odour	The unit may absorb odours from the environment (such as furniture, cooking, cigarettes, etc.) which will be emitted during operations.
	The unit's filters have become mouldy and should be cleaned.
The fan of the outdoor unit does not operate	During operation, the fan speed is controlled to optimise product operation.

## Troubleshooting

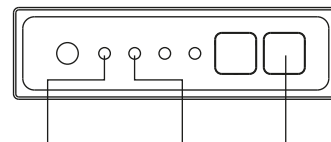
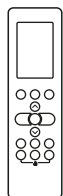
If any of these issues occur please check the following points before contacting your qualified technician.

Problem	Possible causes	Solution
Poor cooling performance	Temperature setting may be higher than ambient room temperature.	Lower the temperature setting.
	The heat exchanger on the indoor or outdoor unit is dirty.	Contact a qualified service technician.
	The air filter is dirty.	Remove the filter and clean it according to instructions and contact a qualified service technician to clean it according to instructions.
	The air inlet or outlet of either unit is blocked.	Turn the unit off, remove the obstruction and turn it back on.
	Doors and windows are open.	Make sure that all doors and windows are closed while operating the unit.
	Excessive heat is generated by sunlight.	Close windows and curtains during periods of high heat or bright sunshine.
	Too many sources of heat in the room (people, computers, electronics, etc.)	Reduce amount of heat sources.
	Low refrigerant due to leak or long-term use.	Contact a qualified service technician.
The unit is not working	Power failure.	Wait for the power to be restored.
	The power is turned off.	Turn on the power.
	The fuse is burned out.	Contact a qualified service technician.
	Remote control batteries are dead.	Replace batteries.
	The unit's 3-minute protection has been activated.	Wait three minutes after restarting the unit.
	Timer is activated.	Turn timer off.

Problem	Possible causes	Solution
The unit starts and stops frequently	There's too much or too little refrigerant in the system	Contact a qualified service technician
	Incompressible gas or moisture has entered the system	Contact a qualified service technician
	System circuit is blocked	Contact a qualified service technician
	The compressor is broken	Contact a qualified service technician
	The voltage is too high or too low	Contact a qualified service technician
Poor heating performance	The outdoor temperature is extremely low	Contact a qualified service technician
	Cold air is entering through doors and windows	Make sure that all doors and windows are closed during use
	Low refrigerant due to leak or long-term use	Contact a qualified service technician
Indicator lamps continue flashing	The unit may stop operation or continue to run safely. If the indicator lamps continue to flash or error codes appear, wait for about 10 minutes. The problem may resolve itself.	
Error code appears and begins with the letters as the following in the window display of indoor unit:	If not, disconnect the power, then connect it again. Turn the unit on. If the problem persists, disconnect the power and contact your nearest qualified service technician.	
	<ul style="list-style-type: none"> <li>• E(x), P(x), F(x)</li> <li>• EH(xx), EL(xx), EC(xx)</li> <li>• PH(xx), PL(xx), PC(xx)</li> </ul>	

**NOTE:** If your problem persists after performing the checks and diagnostics above, turn off your unit immediately and contact your qualified service technician.

## Error codes

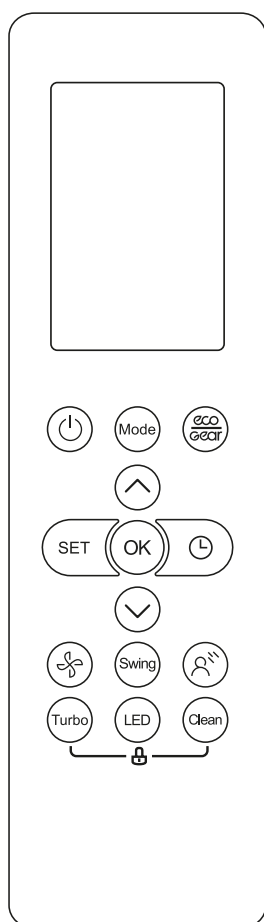


Number	Cause	The number of flashes per second	Timer indicator	Error Code
1	Indoor EEPROM (Electrically Erasable Programmable Read-Only Memory) error	1	Off	EH00 / EH0A
2	Indoor and outdoor unit communication malfunction	2	Off	EL01
3	Indoor fan speed malfunction	4	Off	EH03
4	Indoor room temperature sensor error	5	Off	EH60
5	Evaporator coil temperature sensor error	6	Off	EH56
6	Refrigerant leak malfunction	7	Off	EL0C
7	Water level alarm malfunction	8	Off	EH0E
8	Dual indoor unit (twins model only) communication malfunction	9	Off	EL11
9	Other twins model malfunction	10	Off	EH12
10	Outdoor malfunction or protection*	11	Off	EC0D
11	Outdoor temperature sensor error	2	On	EC53
12	Outdoor condenser pipe sensor error	3	On	EC52
13	Compressor discharge temperature sensor error	4	On	EC54
14	Outdoor EEPROM (Electrically Erasable Programmable Read-Only Memory) error	5	On	EC51
15	Outdoor fan speed (DC fan motor only) malfunction	6	On	EC07
16	T2b sensor error*	7	On	EH62
17	Inverter module IPM protection	1	Flash	PC00
18	High/Low voltage protection	2	Flash	PC01
19	Compressor top overheating protection	3	Flash	PC02
20	Outdoor temperature too low protection	4	Flash	PC0L
21	Compressor drive error	5	Flash	PC04
22	Mode conflict	6	Flash	--
23	Compressor low pressure protection	7	Flash	PC03
24	Outdoor IGBT sensor error*	8	Flash	EC55

# Wireless Controller Guide

For use with the KSI

KSI06 | KSI09 | KSI12 | KSI18 | KSI24 | KSI28

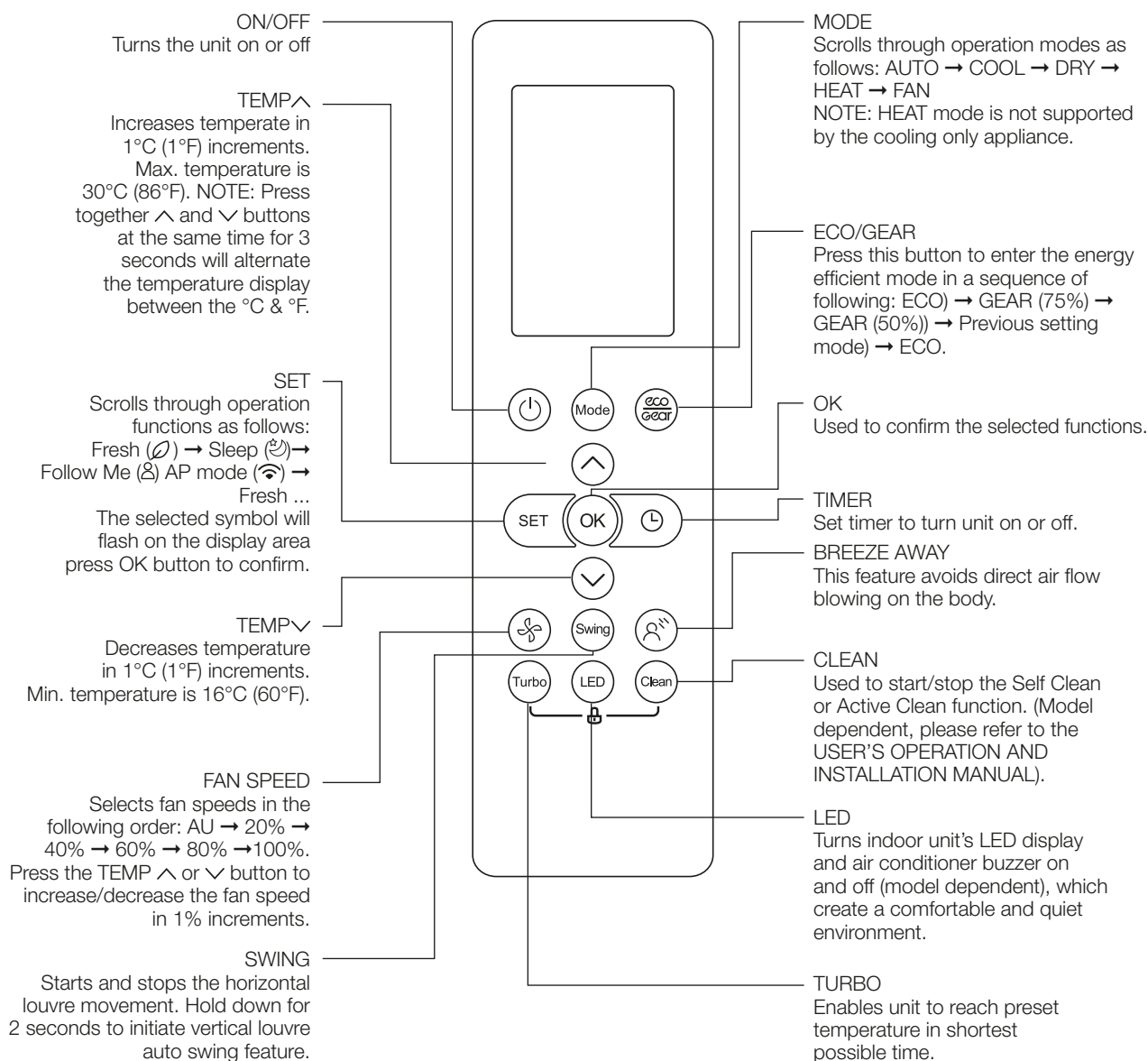


# 1. Remote controller specifications

	RG66A1/BGEF
Rated voltage	3.0V (dry batteries R03/LR03×2)
Signal receiving range	8m
Environment	-5°C~60°C

## 2. Function buttons

Before you begin using your new air conditioner, make sure to familiarise yourself with its remote control. The following is a brief introduction to the remote control itself. For instructions on how to operate your air conditioner, refer to the How to use the basic/advance functions section of this manual.





## 3. Handling the remote controller

### Not sure what a function does?

Refer to the How to use basic functions and How to use advanced functions sections of this manual for a detailed description of how to use your air conditioner.

### Inserting and replacing batteries

Your air conditioning unit comes with two AAA batteries. Put the batteries in the remote control before use:

1. Remove the back cover from the remote control, exposing the battery compartment.
2. Insert the batteries, paying attention to match up the (+) and (-) ends of the batteries with the symbols inside the battery compartment.
3. Install the back cover.

### Tips for using remote control

- The remote control must be used within 8 meters of the unit.
- The unit will beep when remote signal is received.
- Curtains, other materials and direct sunlight can interfere with the infrared signal receiver.
- Remove batteries if the remote control will not be used more than 2 months.

### Installing remote control holder

The remote controller can be attached to a wall or stand by using a remote controller holder.

1. Before installing the remote controller, check that the air conditioner receives the signals properly.
2. Install the holder with two screws.
3. Put the remote controller in the holder.

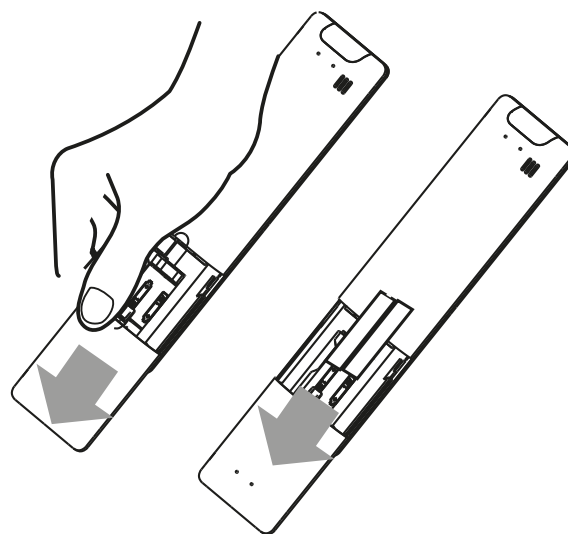
### ! Battery notes

For optimum product performance:

- **Do not** mix old and new batteries, or batteries of different types.
- **Do not** leave batteries in the remote control if you don't plan on using the device for more than 2 months.

### ! Battery disposal

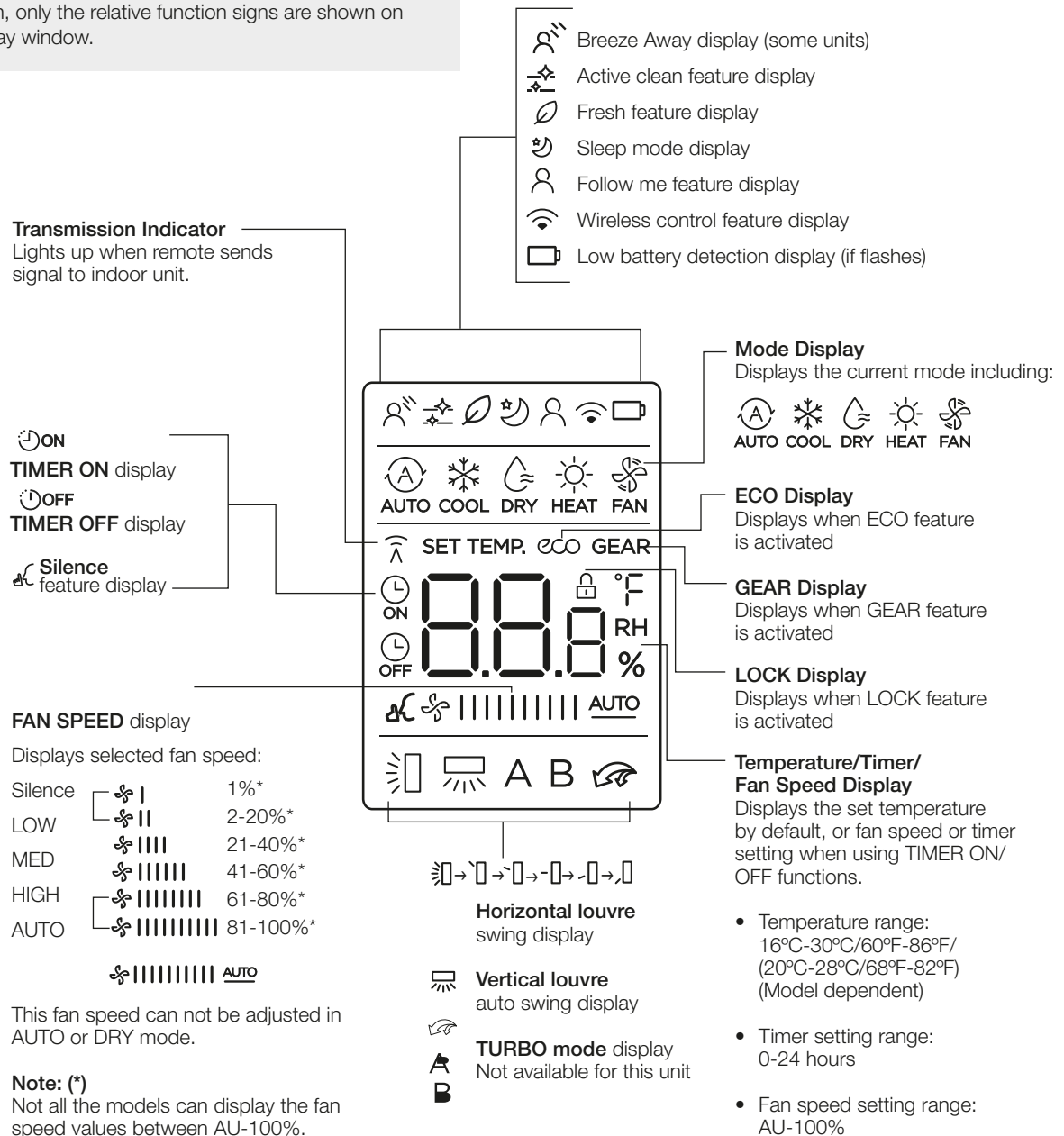
Do not dispose of batteries as unsorted municipal waste. Refer to local laws for proper disposal of batteries.



## 4. Remote LCD screen indicators

Information is displayed when the remote controller is powered up.

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



This display is blank when operating in FAN mode.

**Note:**

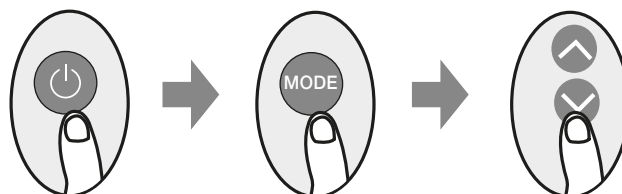
All indicators shown in the figure are for the purpose of clear presentation. But during actual operation, only the relative function signs are shown on the display window.

## 5. How to use the basic functions

### AUTO operation

In **AUTO** mode, the unit will automatically select the **COOL**, **FAN**, **HEAT** or **DRY** mode based on the set temperature.

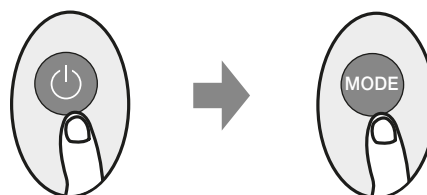
1. Press the **ON/OFF** button to start the unit.
2. Press the **MODE** button to select **AUTO** mode.
3. Set your desired temperature using the  $\wedge$  or  $\vee$  button.



**NOTE:** **FAN SPEED** can't be set in Auto mode.

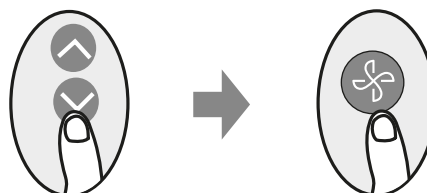
### COOL or HEAT operation

1. Press the **ON/OFF** button to start the unit.
2. Press the **MODE** button to select **AUTO** mode.
3. Set your desired temperature using the  $\wedge$  or  $\vee$  button.
4. Press the **FAN** button to select the fan speed.



### Setting temperature

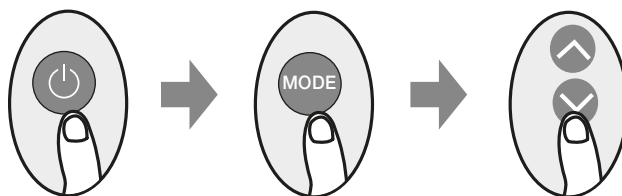
The operating temperature range for units is 17°C – 30°C. You can increase or decrease the set temperature in 1°C increments.



## DRY operation (dehumidifying)

1. Press the **ON/OFF** button to start the unit.
2. Press the **MODE** button to select **DRY** mode.
3. Set your desired temperature using the  $\wedge$  or  $\vee$  button.

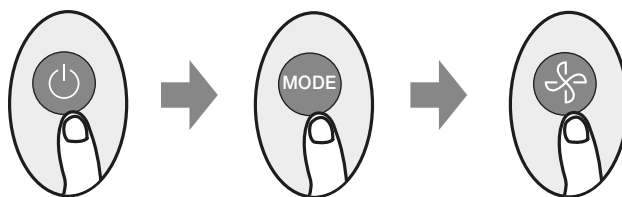
**NOTE:** **FAN SPEED** can't be changed in **DRY** mode.



## FAN operation

1. Press the **ON/OFF** button to start the unit.
2. Press the **MODE** button to select **FAN** mode.
3. Press the **FAN** button to select the fan speed.

**NOTE:** You can't set temperature in **FAN** mode.  
As a result, your remote control's LCD screen will not display temperature.




## Setting the TIMER function

Your air conditioning unit has two timer-related functions:


- **TIMER ON** – sets the amount of time after which the unit will automatically turn on.
- **TIMER OFF** – sets the amount of time after which the unit will automatically turn off.

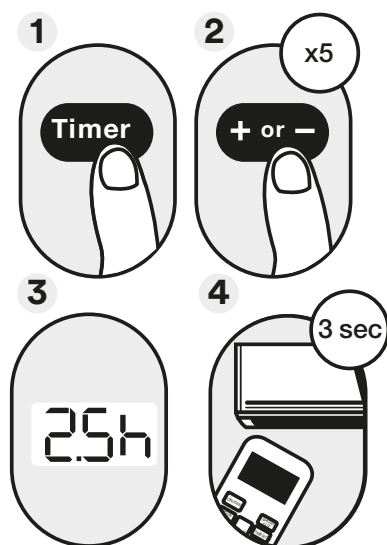
### TIMER ON function

The **TIMER ON** function allows you to set a period of time after which the unit will automatically turn on, such as when you come home from work.

1. Press the **Timer** button, the Timer on indicator “” displays and flashes. By default, the last time period that you set and an “h” (indicating hours) will appear on the display.

**Note:** This number indicates the amount of time after the current time that you want the unit to turn on. For example, if you set TIMER ON for 2.5 hours, “2.5h” will appear on the screen, and the unit will turn on after 2.5 hours.


3. Press the **Temp +** or **Temp –** button repeatedly to set the time when you want the unit to turn on.
4. Wait 3 seconds, then the TIMER ON function will be activated. The digital display on your remote control will then return to the temperature display. The “” indicator remains on and this function is activated.




**Example:** Setting unit to turn on after 2.5 hours

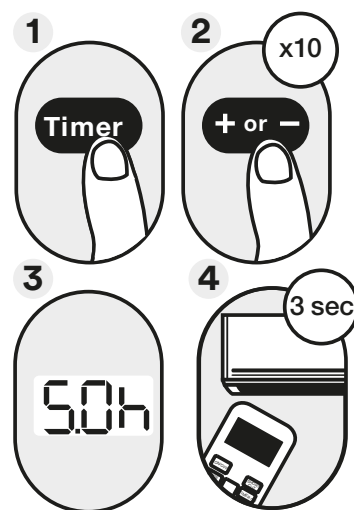
### TIMER OFF function

The **TIMER off** function allows you to set a period of time after which the unit will automatically turn off, such as when you wake up.

1. Press the **Timer** button, the Timer off indicator “” displays and flashes. By default, the last time period that you set and an “h” (indicating hours) will appear on the display.

**Note:** This number indicates the amount of time after the current time that you want the unit to turn off. For example, if you set TIMER OFF for 5 hours, “5.0h” will appear on the screen, and the unit will turn off after 5 hours.

3. Press the **Temp +** or **Temp –** button repeatedly to set the time when you want the unit to turn off.
4. Wait 3 seconds, then the TIMER OFF function will be activated. The digital display on your remote control will then return to the temperature display. The “” indicator remains on and this function is activated.

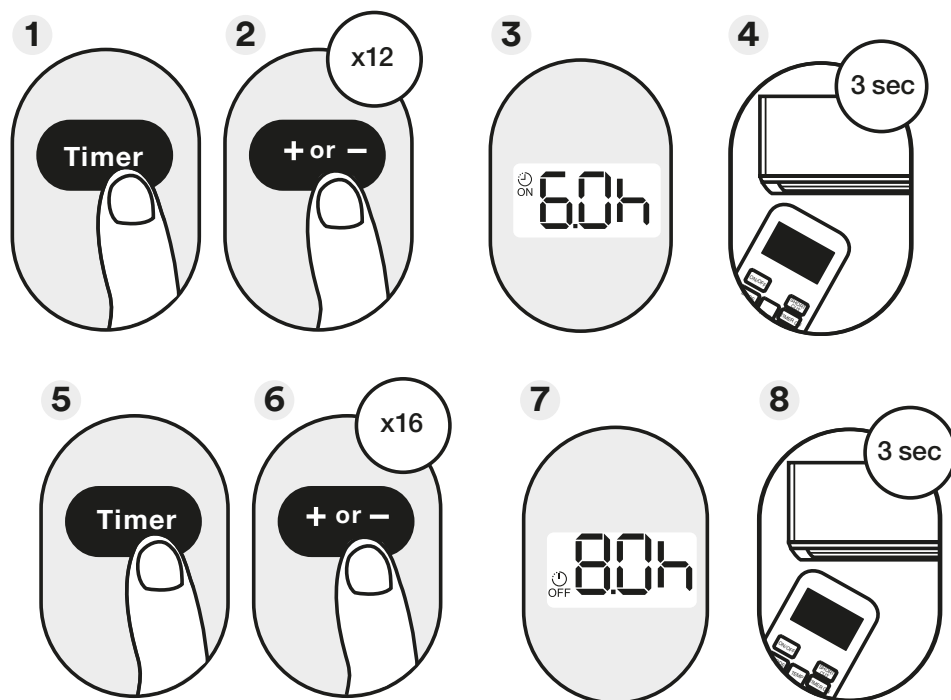


**Example:** Setting unit to turn on after 5 hours

## Setting both TIMER ON and TIMER OFF at the same time

Keep in mind that the time periods you set for both functions refer to hours after the current time. For example, say that the current time is 1:00 PM, and you want the unit to turn on automatically at 7:00 PM. You want it to operate for 2 hours, then automatically turn off at 9:00 PM.

Do the following:



**Example:** Setting the unit to turn on after 6 hours, operate for 2 hours, then turn off (see figure below).

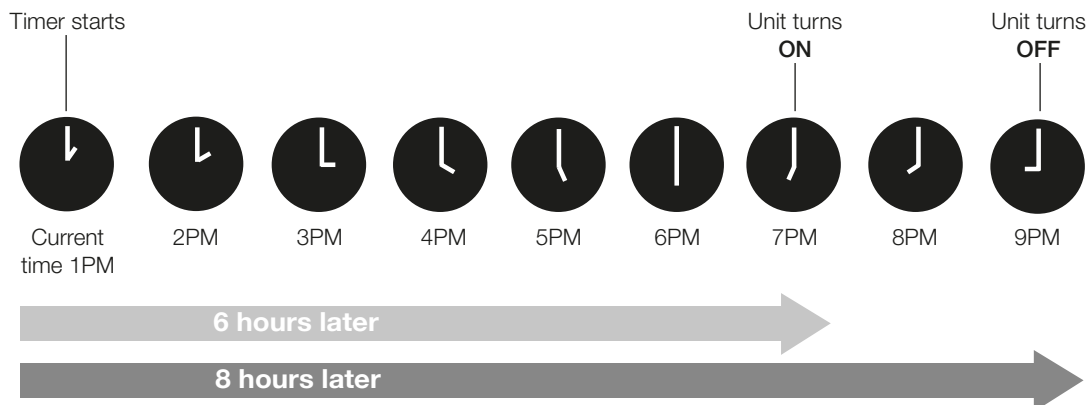
Your remote display:



Timer is set to turn ON  
6 hours from current time



Timer is set to turn OFF  
8 hours from current time



## 6. How to use the advanced functions

### ECO function

#### ECO/GEAR function (some units)



Press ECO-GEAR button to enter the energy efficient mode in a sequence of following:

ECO → GEAR (75%) → GEAR (50%) → Previous setting mode → ECO...

Note: This function is only available under COOL mode.

**NOTE:** This function is only available under **COOL** mode.

### ECO operation

When the **ECO** feature is activated, the air conditioner will operate automatically at 24°C.

The fan speed is Auto.

**NOTE:** Pressing the ON/OFF button, modifying the mode or adjusting the set temperature to less than 24°C will stop **ECO** operation.

Under **ECO** operation, the set temperature should be 24°C or higher. It may result in insufficient cooling if you feel uncomfortable, just adjust the temperature to stop it.

**NOTE:** The **SLEEP** function is not available in **FAN** or **DRY** mode.

### SLEEP function

The **SLEEP** function is used to decrease energy use while you sleep (and don't need the same temperature settings to stay comfortable). This function can only be activated via remote control.

To activate **SLEEP** Function.

1. Press the **SET** button until the **SLEEP** icon is flashing.
2. Press the **OK** button.
3. The **SLEEP** icon will be solid on the controller.
4. To disable **SLEEP** function repeat these steps.

### TURBO function

The **TURBO** function makes the unit work extra hard to reach your present temperature in the shortest amount of time possible.

- When you select **TURBO** feature in **COOL/HEAT** mode, the unit will blow cool/hot air with strongest wind setting to jump-start the cooling/heating process.
- To activate the **TURBO** function press the **TURBO** button and the **TURBO** icon will appear on the controller.
- To deactivate the **TURBO** function press the **TURBO** button again.

### ACTIVE CLEAN function

- The Active clean technology washes away dust, mould, and grease that may cause odours when it adheres to the heat exchanger by automatically freezing and then rapidly thawing the frost. A “pi-pi” sound will be heard. The **ACTIVE CLEAN** operation is used to produce more condensed water to improve the cleaning effect, and the cold air will blow out. After cleaning, the internal wind wheel then keeps operating with hot air to blow-dry the evaporator, thus preventing the growth of mould and keeping the inside clean.
- When this function is turned on, the indoor unit display window appears “CL”, after 20 to 45 minutes, the unit will turn off automatically and cancel **ACTIVE CLEAN** function.
- To activate **ACTIVE CLEAN** function press the **CLEAN** button on the controller and the **ACTIVE CLEAN** icon will appear.

**NOTE:** You can only activate this function in **COOL** or **DRY** mode.



## Breeze away function

This feature avoids direct air flow blowing on the body. To activate the **BREEZE AWAY** function press the **BREEZE AWAY** button and the **BREEZE AWAY** icon will appear on the controller.

**NOTE:** This feature is available under **COOL**, **FAN** and **DRY** mode only.

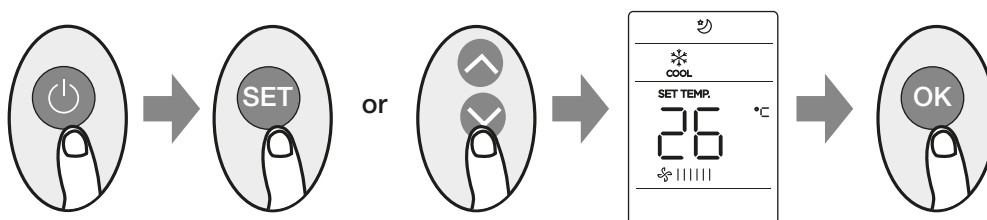
## AP function

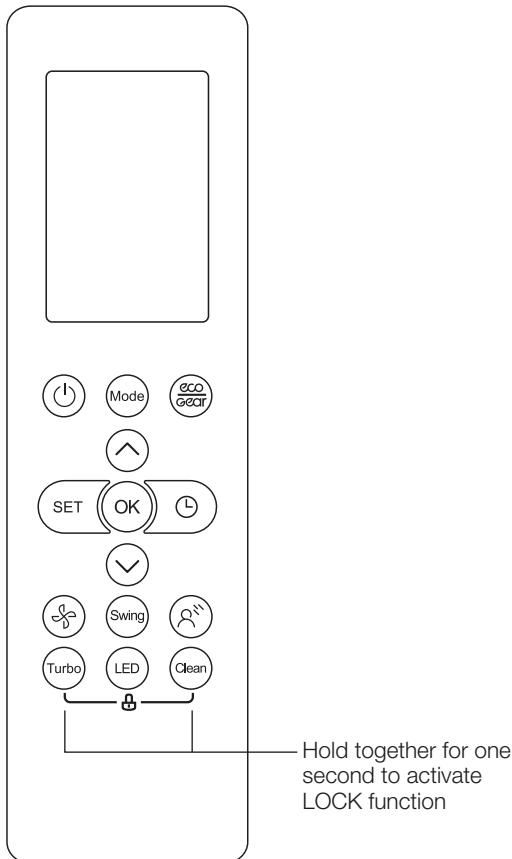
Choose **AP** mode to do wireless network configuration. For some units, it doesn't work by pressing the SET button. To enter the **AP** mode, continuously press the LED button seven times in 10 seconds.

## FRESH function

When the **FRESH** function is initiated, the ion generator is energized and will help to purify the air in the room.

## SLEEP / AP / FOLLOW ME



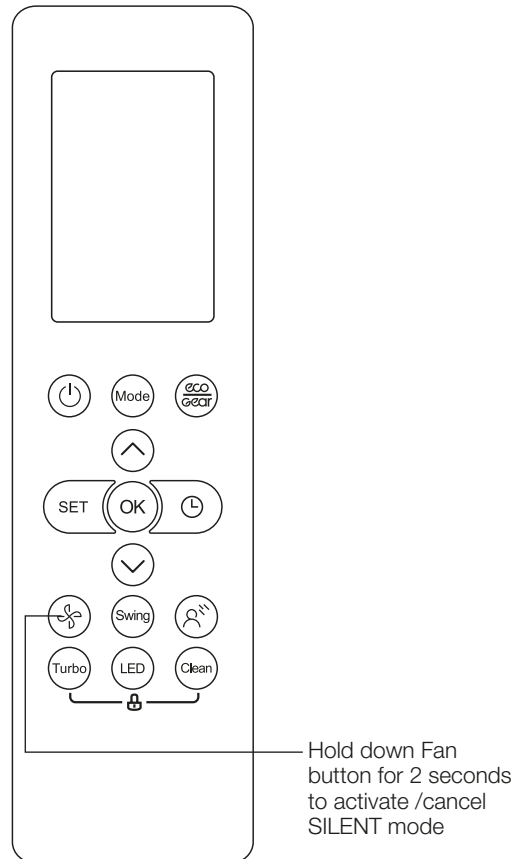


## LOCK function

Press Turbo button and self clean button simultaneously for one second to lock or unlock the keyboard.

## FOLLOW ME function

The follow me function enables the remote control to measure the temperature at its current location and send this signal to the air conditioner every 3 minute interval. When using **AUTO**, **COOL**, or **HEAT** modes, measuring ambient temperature from the remote control (instead of from the indoor unit itself) will enable the air conditioner to optimise the temperature around you and ensure maximum comfort.



## SILENT function

Hold down Fan button for 2 seconds to activate /cancel **SILENT** mode. Due to low frequency operation of compressor, it may result in insufficient cooling and heating capacity.

## SWING function

Swing  Button

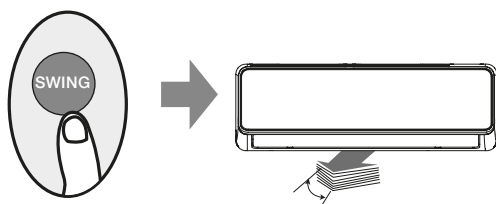
Used to stop or start vertical louvre movement and set the desired left/right air flow direction. The vertical louvre changes 6 degree in angle for each press. If keep pushing more than 2 seconds, the vertical louvre auto swing feature is activated.

Swing  Button

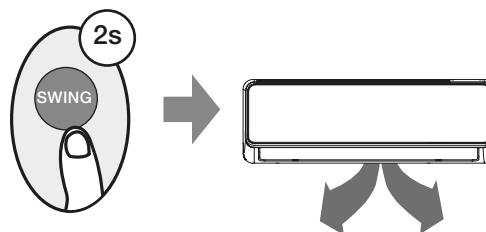
Used to stop or start horizontal louvre movement or set the desired up/down air flow direction. The louvre changes 6 degree in angle for each press. If keep pushing more than 2 seconds, the louvre will swing up and down automatically.

### Swing function:

Press swing function



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



Keep pressing this button more than 2 seconds, the vertical louvre SWING function is activated (model dependent).

## Wi-Fi operation setup

For instructions on setting up Wi-Fi connectivity for your Kaden air conditioner, please scan the QR code below, or visit [kadenair.com.au](http://kadenair.com.au)

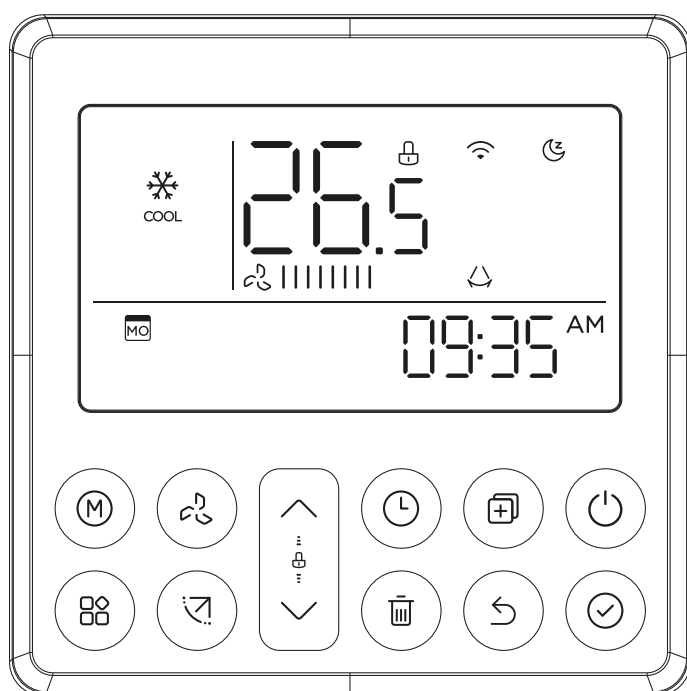


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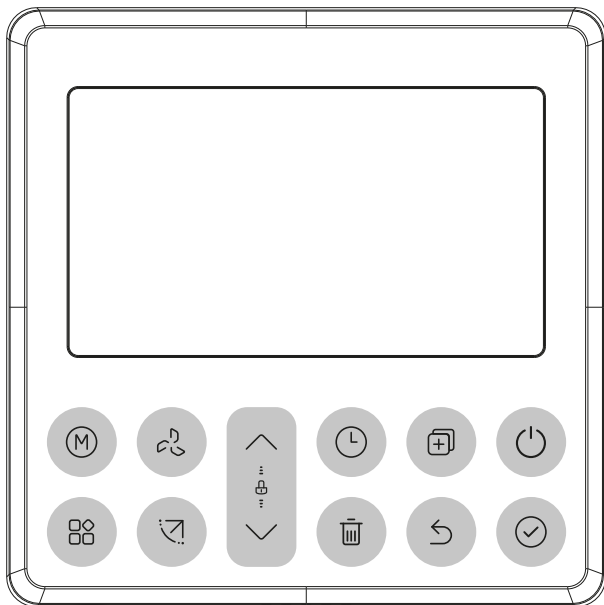
# Wired Controller Guide

## For use with KMD & KMC Series

KMC09 | KMC12 | KMC18 | KMD09  
KMD12 | KMD18 | KMD24



# 1. Features and functions



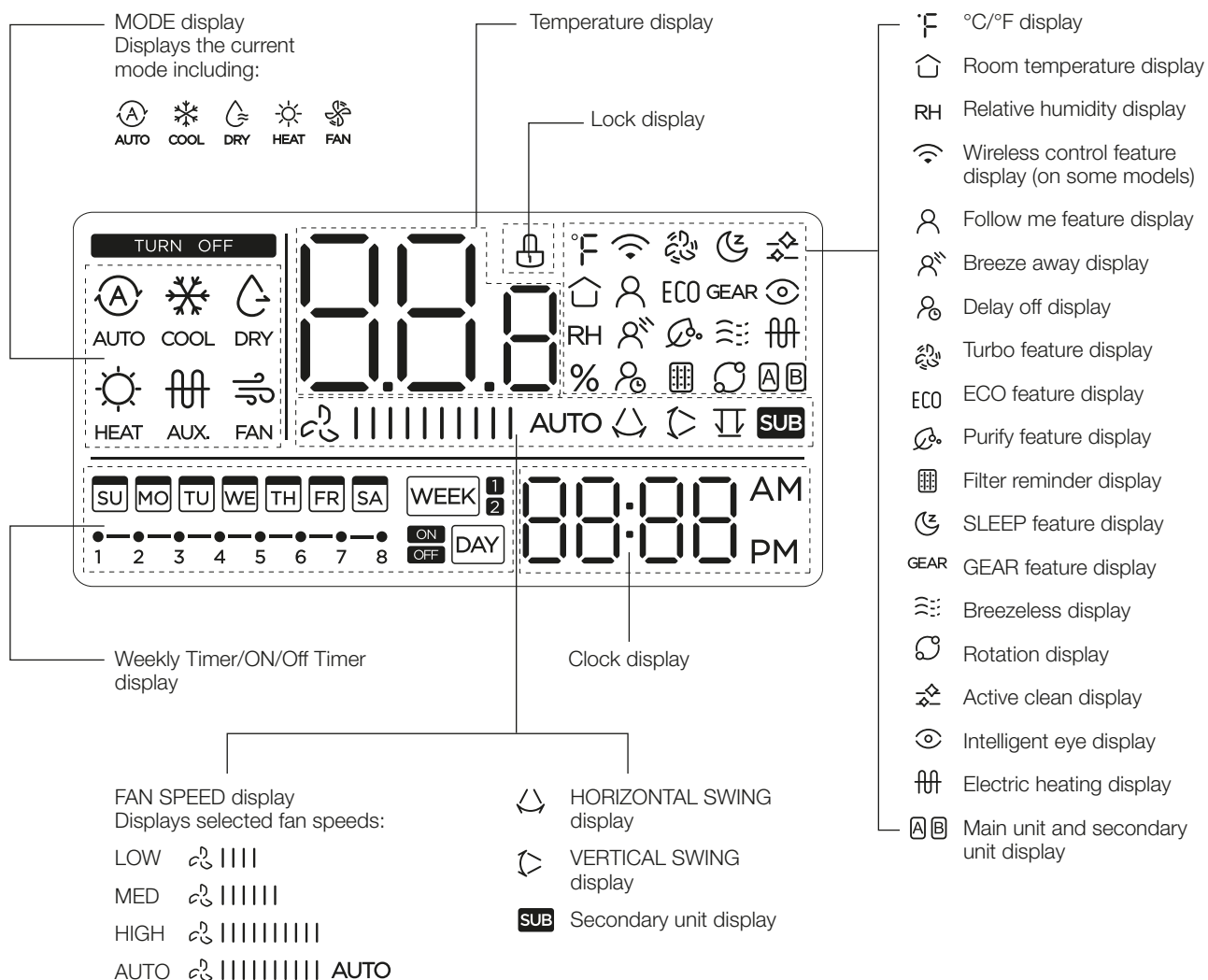
## Features

- LCD display
- Malfunction code display: displays error codes
- 4-way wire layout design, no raised part at back, more convenient to place the wires and install the device
- Room temperature display
- Weekly timer

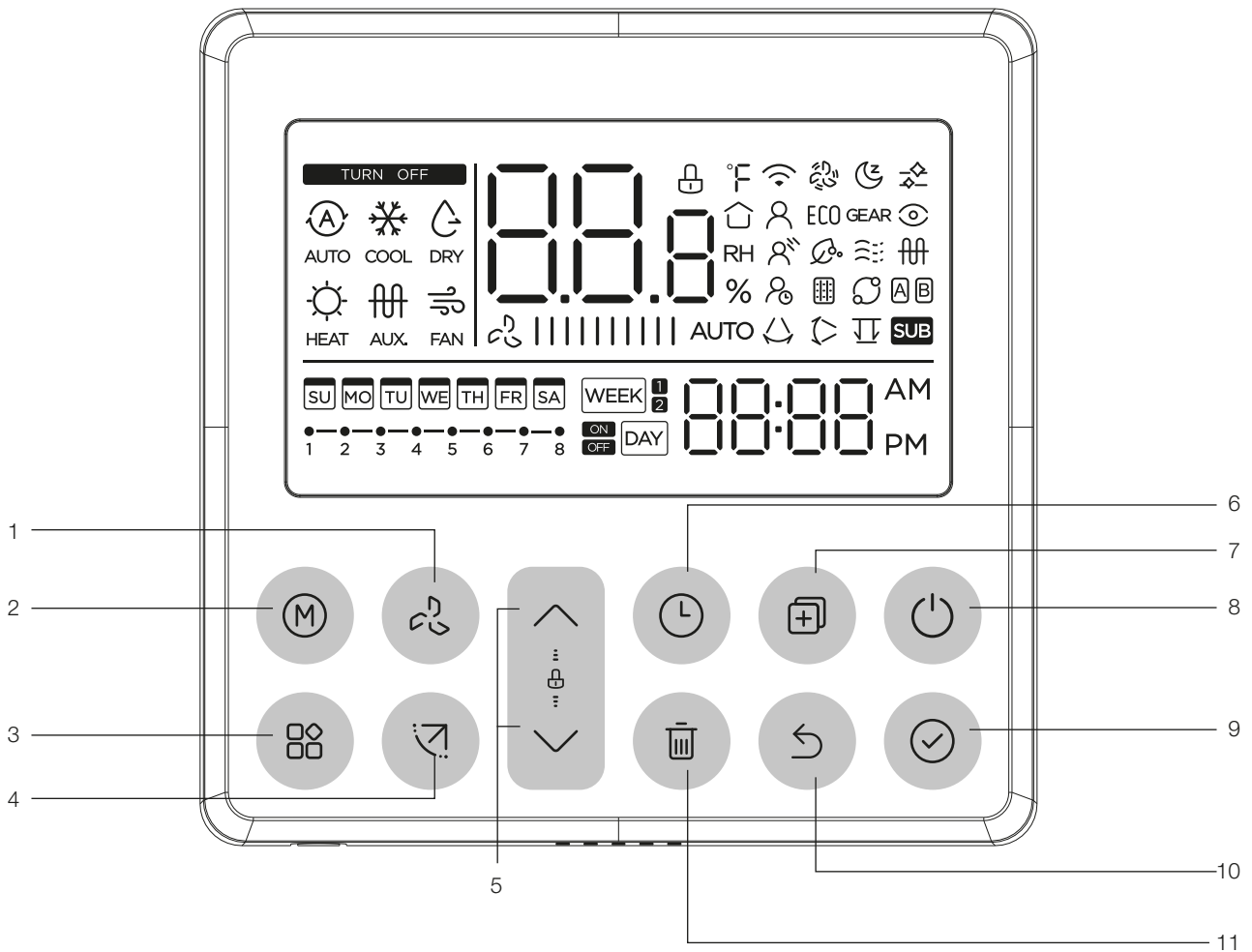
## Functions

- Mode: Auto – Cool – Dry – Heat – Fan
- Fan speed: Auto/Low/Med/High
- Timer ON/OFF
- Temp setting
- Weekly timer
- Follow me
- Child lock
- LCD display
- Clock
- Turbo mode
- Swing (on some models)

## 2. Display screen



# 3. Buttons



- 1. Fan-speed
- 2. Mode
- 3. Function
- 4. Swing
- 5. Adjust
- 6. Timer

- 7. Copy
- 8. Power
- 9. Confirm
- 10. Back
- 11. Day off/delay



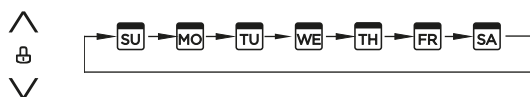
## 4. Operation

### Set the current day and time

1. Press the TIMER button for 3 seconds or more.  
The selected day will begin to flash.



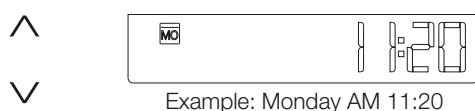
2. Press the button “^” or “v” to set the day.



3. To confirm the day setting press either the timer button or the confirm button. The current time will then begin to flash.



4. Press the button “^” or “v” to set the current time.  
Press repeatedly to adjust the current time in 1 minute increments. Press and hold to adjust the current time quickly.



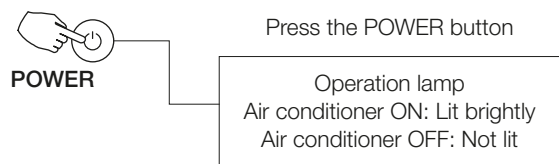
5. To confirm the timer setting press either the timer button or the confirm button.



6. Time scale operation  
Press the buttons “⌚” and “📅” for 2 seconds will alternate the clock time display between the 12h and 24h scale.

### To start/stop operation

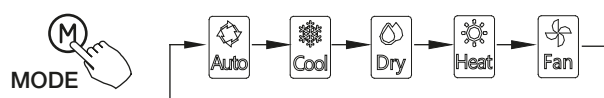
1. Press the ON/OFF button.  
The LED will light up.



### To set the operation mode

#### Mode setting

Press the MODE button to set the mode.



#### Room temperature

Press the button “^” or “v” to set the room temperature. Indoor Setting Temperature Range: 16 – 30°C.

^ — Increase

v — Decrease

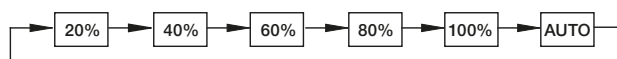
#### °C & °F scale selection

Press and hold the “^” and “v” arrows for 3 seconds to change between the C and F scale.



#### Fan speed setting

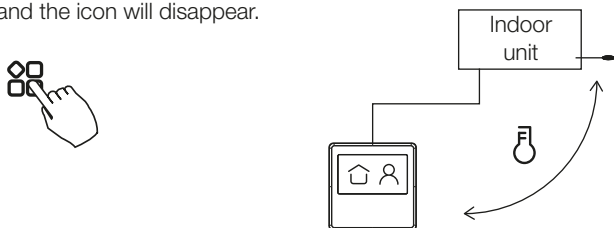
Press the FAN SPEED button to set the fan speed.  
(This button does not work when in Auto or Dry mode.)




## Room temperature sensor selection

Press the "FUNCTION" button until the "FOLLOW ME" icon is flashing on the controller. Press the "CONFIRM" button to activate "FOLLOW ME". The "FOLLOW ME" icon will remain solid. The room temperature will now be displayed on the controller and the "HOUSE" icon will be shown.

To deactivate "FOLLOW ME" press the "FUNCTION" button until the "icon" is flashing. Press "CONFIRM" and the icon will disappear.



When the Follow Me function indicator appears , the room temperature is detected at the wired controller.

## Turbo mode (on some models)

While in COOL/HEAT mode, press the "FUNCTION" button until the "TURBO" icon is flashing. Press the "CONFIRM" button to activate turbo mode. When "TURBO MODE" is activated the "icon" will be solid.

To deactivate turbo mode, press the "FUNCTION" button until the "TURBO" icon is flashing and press the "CONFIRM" button. The "icon" will disappear.




When TURBO MODE is activated the  icon mark appears.

## Child lock function

Press the "FUNCTION" and "SWING" buttons simultaneously for 3 seconds or more to activate the child lock function and lock all buttons on the wired controller.

To deactivate the child lock press and hold the buttons simultaneously again for 3 seconds or more.

When the child lock function is activated, the  icon mark appears.



## Keypad tone setting

Press the "MODE" and "FAN SPEED" buttons simultaneously for 3 seconds or more to turn off or turn off the keypad tone.



## Swing function (for units with swing features only)

### Left-right swing

Press the "SWING" button for 2 seconds to start left-right swing function.



When the swing function is activated the  icon will appear.

### Up-down airflow direction and swing

Press the "SWING" button to start the UP-DOWN swing function.



When the swing function is activated the  icon will appear.

## 5. Timer functions



### WEEKLY timer

Use this timer function to set operating times for each day of the week.



### On timer

Use this timer function to start air conditioner operation. The timer operates and air conditioner operation starts after the time has passed.



### Off timer

Use this timer function to stop air conditioner operation. The timer operates and air conditioner operation stops after the time has passed.

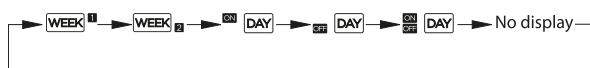


### On and Off timer

Use this timer function to start and stop air conditioner operation. The timer operates and air conditioner operation starts and stops after the time has passed.

### To set the On or Off TIMER

1. Press the TIMER button to select the .



2. Press the CONFIRM button and the Clock display will flash.



3. Press the button “^” or “v” to set the time. After the time is set, the timer will start or stop automatically.



18:00

Example: Off timer set at 6:00PM

4. Press the CONFIRM button again to finish.



### To set the On and Off TIMER

1. Press the TIMER button to select the .



2. Press the CONFIRM button and the Clock display will flash.



3. Press the button “^” or “v” to set the time of On timer, and then press the CONFIRM button to confirm.



4. Press the button “^” or “v” to set the time of Off timer.



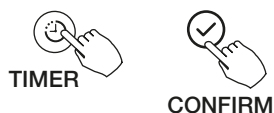
5. Press the CONFIRM button to finish.



## 6. Weekly timer 1

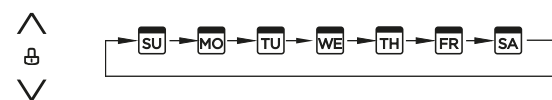
### 1. Weekly timer setting

Press the TIMER button to select the **WEEK** <sup>1</sup> and then press the CONFIRM button to confirm.



### 2. Day of the week setting

Press the button “^” or “v” to select the day of the week and then press the CONFIRM button to confirm the setting.



### 3. ON timer setting of timer setting 1

Press the button “^” or “v” to set the time of On timer and then press the CONFIRM button to confirm the setting.



Example: Tuesday time scale 1

Up to 4 timer settings can be saved for each day of the week. It is convenient if the WEEKLY TIMER is set according to the user's life style.

### 4. Off timer setting of timer setting 1

Press the button “^” or “v” to set the time of Off timer and then press the Confirm button to confirm the setting.



### 5. Different timer settings can be set by repeating steps 3 to 4.

### 6. Other days in one week can be set by repeating steps 2 to 5.

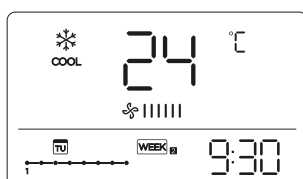
#### Note

- In the weekly timer setting you can return to the previous step by pressing the BACK button.
- The time of the timer setting can be deleted by pressing the DAY OFF button.
- The current setting will be restored and withdrawn automatically when there is no operation for 30 seconds.

## WEEKLY timer operation

### To activate WEEKLY TIMER function

Press the "TIMER" button until **WEEK** is displayed on the LCD screen.

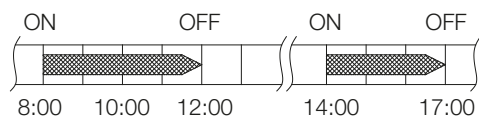


### To deactivate WEEKLY TIMER function

Press the TIMER button while **WEEK** disappears from the LCD screen.

### To turn off the air conditioner during the weekly timer

1. If you press the POWER button once and quickly, the air conditioner will turn off temporarily. And the air conditioner will turn on automatically until the time of On timer.



Example: If you press the POWER button once and quickly at 10:00, the air conditioner will turn on at 14:00.

2. When you press the POWER button for 2 seconds, the air conditioner will turn off completely.

## To set the DAY OFF (for a holiday)

1. With the weekly timer active and the "WEEK 1" or "WEEK 2" icon showing, press the "CONFIRM" button



**CONFIRM**

2. Press the button "▲" or "▼" to select the day in the week.



3. Press the DAY OFF button to set the DAY OFF.



**DELAY**



Example: the DAY OFF is set for Wednesday

4. The DAY OFF can be set for other days by repeating steps 2 and 3.
5. Press the BACK button to go back to the weekly timer.




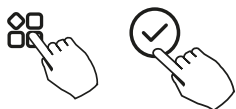
**BACK**

## Note

- To cancel: Follow the same procedures as those for setup.
- The DAY OFF setting is cancelled automatically after the set day has passed.

## DELAY function

With the weekly timer active and the "WEEK 1" or "WEEK 2" icon showing, press the "FUNCTION" button until the "DELAY OFF" icon is flashing. Press the "CONFIRM" button to enter the setting. Press the "CONFIRM" button to scroll between 0h 1h 2h and wait for 3 seconds after to confirm the selection. When the delay off function is activated the  will be solid on the screen.

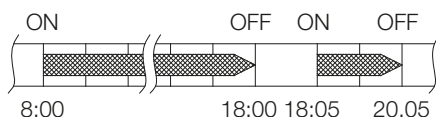
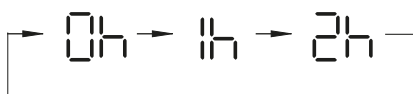


Pressing "CONFIRM", displays 1h and wait 3 seconds to confirm. It means the unit will override 1 hours.

Pressing "CONFIRM" three times, displays 2h and wait 3 seconds to confirm. It means the unit will override 2 hours.



### DELAY/DAY OFF



Example: If you press the DELAY button to select 2h at 18:05, the air conditioner will delay to turn off to 20:05.

## Copy the setting from one day to another day

An existing timer schedule can be copied to another day of the week. The setting of the selected day of the week will be copied. The effective use of the copy mode ensures ease of making other timer settings.

1. With the weekly timer active and "WEEK 1" or "WEEK 2" icons showing, press the confirm button.



CONFIRM

2. Press the button "▲" or "▼" to select the day to copy from.



3. Press the COPY button, the letters "CY" will be shown on the LCD screen.



COPY

4. Press the button "▲" or "▼" to select the day to copy to.

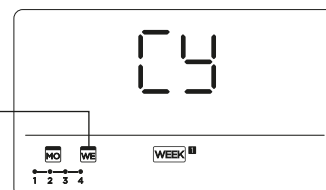


5. Press the COPY button to confirm.



COPY

The  mark flashes quickly



Example: copied the setting of Monday to Wednesday

6. Other days can be copied by repeating steps 4 and 5.
7. Press the Confirm button to confirm the settings.



CONFIRM

8. Press the Back button to go back to the weekly timer.

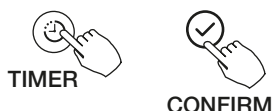


BACK

# 7. Weekly timer 2

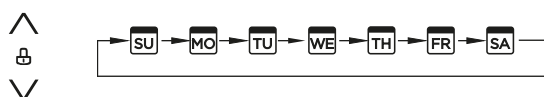
## 1. Weekly timer setting

Press the TIMER button to select the **WEEK**  and then press the CONFIRM button to confirm.



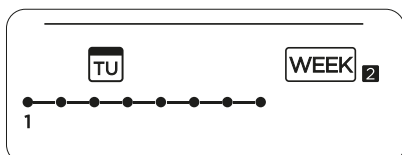
## 2. Day of the week setting

Press the button “^” or “v” to select the day of the week and then press the CONFIRM button to confirm the setting.



## 3. ON timer setting of timer setting 1

Press the button “^” or “v” to set the time of On timer and then press the CONFIRM button to confirm the setting.



Example: Tuesday time scale 1

Up to 8 scheduled events can be set on one day. Various events can be scheduled in either MODE, TEMPERATURE and Fan speeds to suit the user's life style.

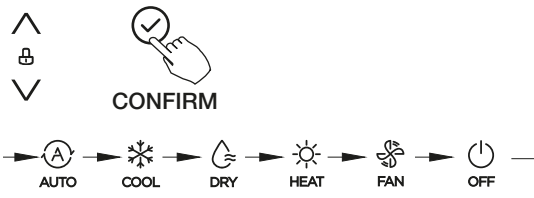
## 4. Time setting

Press the button “^” or “v” to set the time, timer then press the Confirm button.



## 5. Operation mode setting

Press the button “^” or “v” to set the operation mode, then press the Confirm button.



## 6. Room temperature setting

Press the button “^” or “v” to set the operation mode, then press the Confirm button. NOTE: This setting is unavailable in the FAN or OFF modes.

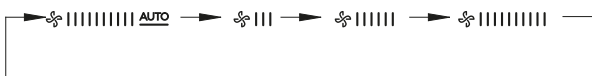


### Note

- In the weekly timer setting you can return to the previous step by pressing the BACK button.
- The time of the timer setting can be deleted by pressing the DAY OFF button.
- The current setting will be restored and withdrawn automatically when there is no operation for 30 seconds.

## Fan speed setting

Press the TIMER button to select the press the CONFIRM button to confirm. NOTE: This setting is unavailable in the AUTO, DRY and OFF modes.



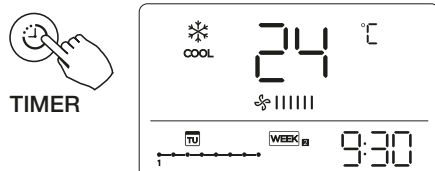
## Note

- Different scheduled events can be set by repeating steps 3 to 7.
- Additional days, in a one week period, can be set by repeating steps 3 to 8.
- The current setting will be restored and withdrawn automatically when there is no operation for 30 seconds.
- The weekly timer setting can be returned to the previous step by pressing BACK. The current setting will then be restored. The controller will not save the weekly timer settings if there is no operation within 30 seconds.

## WEEKLY timer operation

### To activate WEEKLY TIMER function

Press the TIMER button while **WEEK** is displayed on the LCD screen.



### To deactivate

Press the POWER button for 2 seconds to cancel the timer mode.



## To set the DAY OFF (for a holiday)

1. After setting the weekly timer, press the CONFIRM button.



2. Press the button “^” or “v” to select the day in the week.



3. Press the DAY OFF button to set the DAY OFF.



Example: the DAY OFF is set for Wednesday

4. Set the day OFF for the other days by repeating the steps 2 and 3
5. Press BACK to revert to the weekly timer.



## Note

The DAY OFF setting is cancelled automatically after the set day has passed.



## Copy the setting from one day to another day

A timer made once can be copied to another day of the week. The setting of the selected day of the week will be copied. The effective use of the copy mode ensures ease of making other timer settings.

1. During weekly timer, press the CONFIRM button.



**CONFIRM**

2. Press the button “^” or “v” to select the day in the week.



3. Press the COPY button, the letters “CY” will be shown on the LCD screen.



**COPY**

4. Press the button “^” or “v” to select the day to copy to.

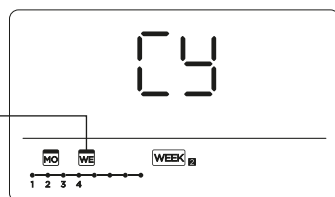


5. Press the COPY button to confirm.



**COPY**

The **WE** mark flashes quickly



Example: copied the setting of Monday to Wednesday

6. Other days can be copied by repeating steps 4 and 5.
7. Press the Confirm button to confirm the settings.



**CONFIRM**

8. Press the Back button to go back to the weekly timer.



**BACK**

## Delete the time scale in one day

1. During the weekly timer, press the CONFIRM button.



**CONFIRM**

2. Press the button “^” or “v” to select the day in the week, then press the CONFIRM button.

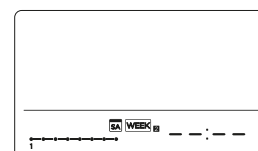


**CONFIRM**

3. Press the button “^” or “v” to select the setting time you want to delete. The setting time, mode, temperature and fan speed will appear on the LCD. The setting time, mode, temperature and fan speed can be deleted by pressing the DEL button.



**DELAY**



## Wi-Fi operation setup

For instructions on setting up Wi-Fi connectivity for your Kaden air conditioner, please scan the QR code below,



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## 8. Fault alarms

If the system does not properly operate, investigate according to the following procedures.

Number	Cause	Display digital tube
1	Error of communication between wired controller and indoor unit	EH63

# Notes

