

acer

**USER
MANUAL**
AIR CONDITIONER

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SAFETY INFORMATION

WARNING: Read This Manual

Read and follow all safety information and instructions before installation, use, or maintenance of this appliance. Incorrect installation, use, or maintenance of this appliance can result in death, serious injury, or property damage. Keep these instructions with this appliance. This manual is subject to change.

For the latest version, visit **www.acerappliances.in**

Because the instructions in this manual cover various models, the characteristics of your air conditioner may differ slightly from those described. If you have any questions, please contact our customer care help line via:

**www.acerappliances.in/support
support@acerappliances.in
+91-7669610805**

FOR INSTALLATION

Use a power cord with this as per product's power specifications or higher and use the power cord for this appliance only. In addition, do not use an extension cord

- Do not use it together with a power strip or other device. Do not extend the power cord
 - Connect power matching to voltage / frequency / rated current conditions
 - Do not install this appliance near a heater, or flammable material
 - Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (or rain)
 - Do not install this appliance in a location where gas may leak
- This appliance must be properly grounded to Neutral Earth. Do not ground the appliance to a gas pipe, plastic, water pipe, or telephone line
- Make sure to use a socket-outlet with ground (Neutral Earth) connection

-The water generated during heating by the outdoor unit may overflow and result in property damage. Particularly, in winter, if a block of ice falls, it may result in injury, death or property damage

- The installation of this appliance must be performed by a qualified technician.**
- Do not attempt to install the air conditioner yourself.**
- For proper professional and brand approved installation, contact our Customer Care helpline via:**

**www.acerappliances.in/support
support@acerappliances.in
+91-7669610805**

SAFETY INFORMATION

FOR POWER SUPPLY

- Do not pull or excessively bend the power cord.
- Do not twist or tie the power cord.
- Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.
- If the supply cord is damaged, it must be replaced by the authorised service technician.

FOR USING

If the product has been immersed in water or shows any abnormal sign, please contact the Customer Service Centre.

- Do not arbitrarily disassemble, repair or modify it.
- In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power cord. Do not touch the appliance or power cord.
- Do not use a ventilating fan.
- Do not touch the circuit breaker with wet hands.
- After unpacking the air conditioner, keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.
- Do not touch the air-flow blade with your hands or fingers during cooling.
- Do not insert your fingers or foreign substances into the air inlet/outlet of the air conditioner.
- Do not place an object near the outdoor unit that allows children to climb onto the machine.
- If any foreign substance such as water has entered the appliance, cut off the power supply and contact the customer care helpline.
- Check that the installation frame of the outdoor unit is not broken at least once a year.
- Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.
- Do not spray volatile material such as insecticide onto the surface of the appliance.

FOR CLEANING

- Before cleaning, servicing, or performing maintenance, make sure to disconnect the product from its power source and wait until the fan stops.
- Take care when cleaning the surface of the heat exchanger of the outdoor unit since it has sharp edges.

For proper professional and brand approved product service, contact our Customer Care helpline via:

**www.acerappliances.in/support
support@acerappliances.in
+91-7669610805**

SAFETY INFORMATION

FOR R-32 REFRIGERANT

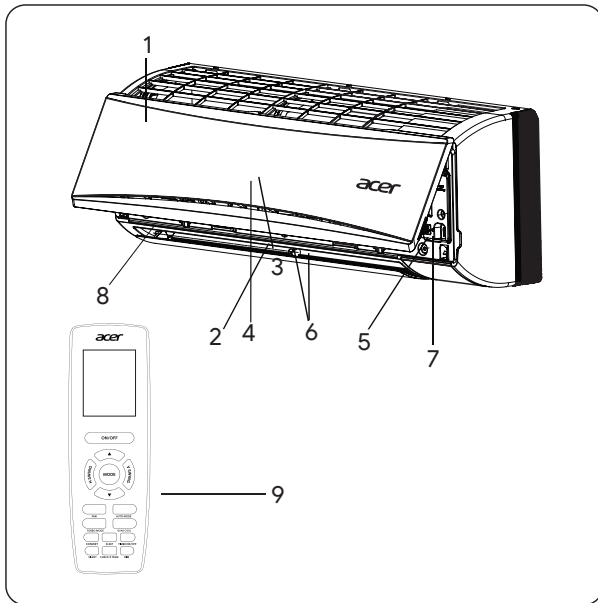
- If the air conditioner malfunctions or requires repair, immediately stop its operation and disconnect the power supply. Then contact the brand's Customer Care helpline.
- Do not use means to accelerate the defrost operation or to clean, other than those recommended by the brand. Do not pierce or burn.
- Be aware that refrigerants may not contain an odour. The product shall be stored in a room with no ignition sources (e.g. open flames, gas appliance, electric heater, etc.).
- Note that the refrigerant has no odour.
- When the air conditioner does not operate properly for cooling or heating, there is a possibility of refrigerant leakage. If any leakage, stop operation, ventilate the room, and contact our Customer Care immediately for recharging refrigerant.
- The refrigerant is not harmful. However, if it comes in contact with fire, it may generate harmful gases and there is risk of fire.
- During transportation of the indoor unit, the pipe lines shall be covered with brackets for protection. Do not move the product while holding the pipe lines. It may cause gas leakage.
- Do not cut or burn the refrigerant container or pipe line.

-For proper professional and brand approved refrigerant refilling, contact our Customer Care helpline via:

**www.acerappliances.in/support
support@acerappliances.in
+91-7669610805**

PRODUCT

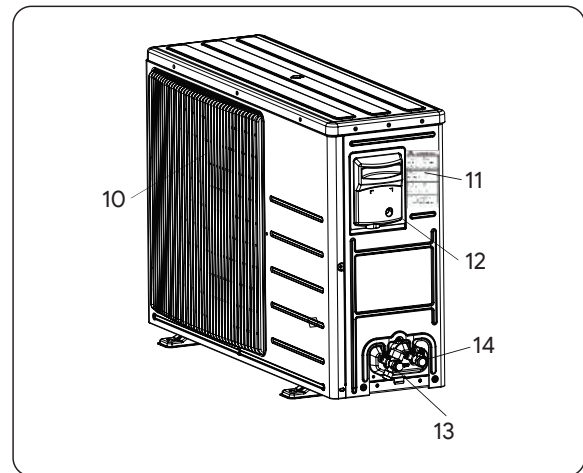
INDOOR UNIT



No.	Description
1	Front panel
2	Air filter
3	LED display
4	Signal receiver
5	Terminal block cover
6	Deflectors
7	Emergency button
8	Airflow direction flaps
9	Remote control

OUTDOOR UNIT

No.	Description
10	Air outlet grill
11	Outdoor unit rating label
12	Cover
13	Gas valve
14	Liquid valve



WALL AIR-CONDITIONER

The conditioner is comprised of two units

1. Indoor Unit
2. Outdoor Unit

Both the units are connected together through copper pipes (properly insulated) and an electrical cable.

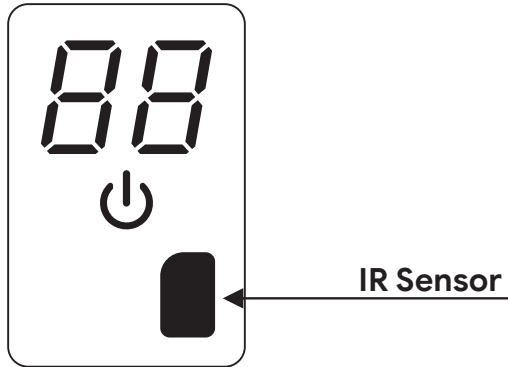
The indoor unit is installed inside the house, on a strong brick wall, where cooling is required

The outdoor unit is installed outside of the house, on the floor or on the wall using strong brackets.

Note: the above figures are only intended to be a simple diagram of the appliance and may not correspond to the appearance of the units that have been purchased.

PRODUCT

INDOOR DISPLAY



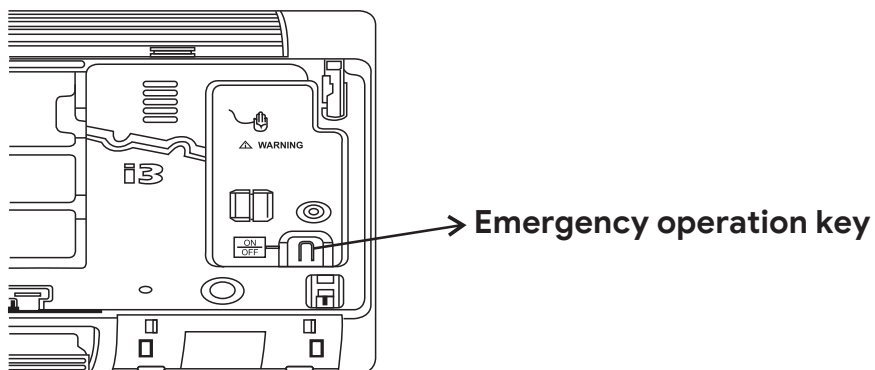
Display symbols:

 Display Set Temperature

 ON/OFF Button

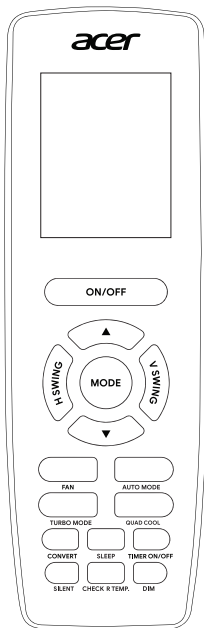
EMERGENCY OPERATION KEY

This button can be used as an emergency measure to turn on/off a unit when remote is not available.



When the remote is lost or damaged, use the emergency operation key on the main unit. In such an event, the unit operates in the Auto Mode.

REMOTE



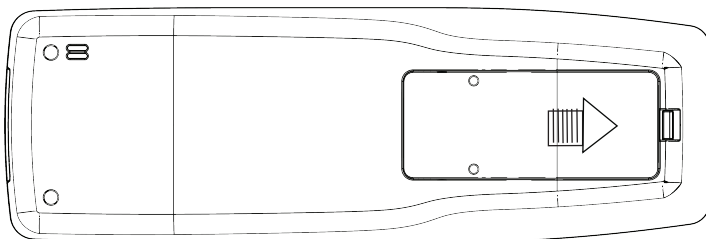
GENERAL FEATURES:

The remote has following features -

- Display: Dual digit display with LED indicators.
- Backlit Display
- Preset temperature setting from 16°C to 30°C.
- Different Fan Speeds : Low, Medium, High, Auto & Turbo
- Timer can be set in hour to turn ON/OFF the machine.
- Memory backup in case of power failure.

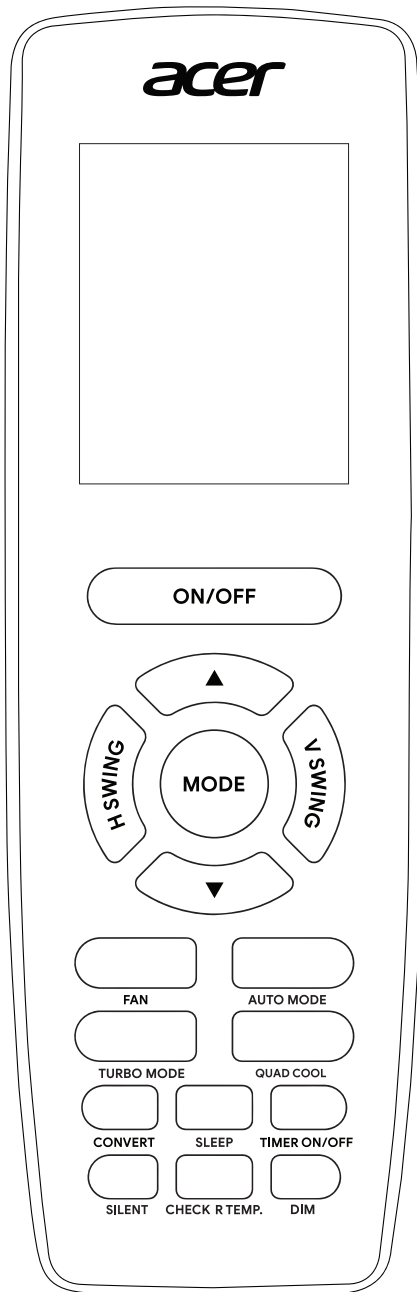
REPLACEMENT OF BATTERIES

slide the back cover



- When the signal from the remote becomes weak and the indoor unit cannot receive it properly; or the indications on the display screen becomes blurred, please slide the back cover and replace the batteries.
- The positive and negative poles must match the marked position on the remote.
- New batteries of the same type have to be used for replacement.
- If the remote is not to be used for long time, take the batteries out, to prevent leakage of electrolyte from the batteries

REMOTE FUNCTIONS



ON/OFF - TO SWITCH THE UNIT ON OR OFF

H SWING - TO CONTROL HORIZONTAL SWING

V SWING - TO CONTROL VERTICAL SWING

MODE - TO SELECT OPERATION MODE | DRY/COOL/AUTO/FAN

ARROW - TO SET TEMPERATURE AND TIMER

FAN - TO CONTROL FAN SPEED

AUTO MODE - AC OPERATES AT STANDARD SETTINGS | 24°C

TURBO MODE - FOR FAST COOLING

QUAD COOL - FOR ALL AROUND COOLING

CONVERT - 4 WAY CONVERTIBLE | (65%/75%/90%/95%)

SLEEP - SLEEP MODE ON | ONLY FAN OPERATIONAL

TIMER ON/OFF - SET OPERATION TIME

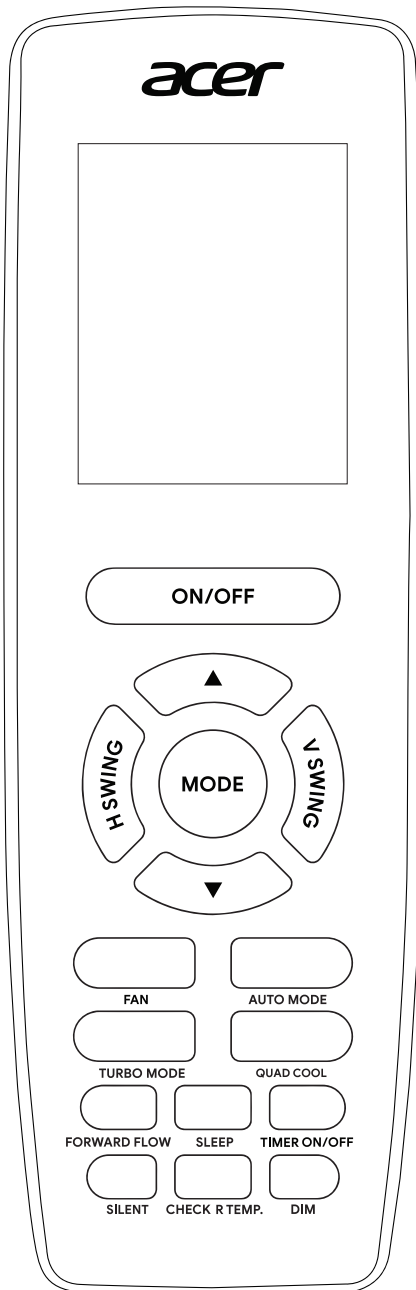
SILENT - LOW NOISE MODE

CHECK R TEMP - CHECK ROOM TEMP

DIM - HIDDEN DISPLAY ON/OFF ON THE IDU

REMOTE FOR THE FOLLOWING MODELS - AR10SIN3GMEC, AR10SIN5GMEC, AR15SIN5GMEC
AR15SIN3GMEC, AR20SIN3GMEC, AR10SIN3GMGT, AR10SIN5GMGT, AR15SIN5GMGT, AR15SIN3GMGT,
AR20SIN3GMGT

REMOTE FUNCTIONS



ON/OFF - TO SWITCH THE UNIT ON OR OFF

H SWING - TO CONTROL HORIZONTAL SWING

V SWING - TO CONTROL VERTICAL SWING

MODE - TO SELECT OPERATION MODE | DRY/COOL/AUTO/FAN

ARROW - TO SET TEMPERATURE AND TIMER

FAN - TO CONTROL FAN SPEED

AUTO MODE - AC OPERATES AT STANDARD SETTINGS | 24°C

TURBO MODE - FOR FAST COOLING

QUAD COOL - FOR ALL AROUND COOLING

FORWARD FLOW - SETS THE AIR FLOW DIRECTION TO OVERHEAD POSITION

SLEEP - SLEEP MODE ON | ONLY FAN OPERATIONAL

TIMER ON/OFF - SET OPERATION TIME

SILENT - LOW NOISE MODE

CHECK R TEMP - CHECK ROOM TEMP

DIM - HIDDEN DISPLAY ON/OFF ON THE IDU

REMOTE FOR THE FOLLOWING MODELS - AR10SFS2GMEC, AR15SFS2GMEC, AR10SFS2GMGT, AR15SFS3GMGT

ERROR SIGNALS ON THE DISPLAY

FOR INVERTER MODELS

FOR FIXED SPEED MODELS

ODU Light Flash	IDU Error Code	Abnormality or Protection Description	CODE	Error Description
25	EE	Indoor machine EE fault	H6/E5	IDU Fan Motor Protection
26	E1	Indoor fan fault	E1	Room Sensor Error (display show E1 & Preset temperature alternate after every 4 seconds.)
27	E2	Indoor fan zero-crossing detection abnormal		
28	E3	Indoor coil temperature sensor fault	E2	Evaporator Sensor Error (display show E2 & Preset temperature alternate after every 4 seconds.)
29	E4	Indoor ambient temperature sensor fault		
1	E0	Outdoor EE fault	dF	Frost Protection
2	E6	Indoor and outdoor machine communication fault		
4	F1	Compressor starting abnormal (phase failure, reverse)		
5	F2	Compressor out-of-step fault		
6	F3	IPM module fault		
7	F4	Compressor shell roof fault/protection		
8	F5	Discharge temperature sensor fault		
9	F6	Suction temperature sensor fault		
10	F7	Outdoor coil temperature sensor fault		
11	F8	Outdoor ambient temperature sensor fault		
12	F9	Outdoor DC fan fault		
/	E8	Outdoor communication fault		
13	P1	Outdoor machine AC current protection		
14	P2	Compressor phase current protection		
15	P3	Outdoor unit over-high/over-low AC voltage protection		
16	P4	DC voltage over-high or over-low voltage protection		
17	P5	IPM over-high temperature protection		
18	P6	Discharge temperature overheat protection		
19	P7	Cooling indoor coil anti-freezing protection		
20	P8	Cooling outdoor coil overheat protection		
21	P9	Heating indoor coil overheat protection		
22	PC	Cooling outdoor ambient temperature over-low protection		
23	PH	Heating outdoor ambient temperature over-high protection		
31	L1	Drive bus voltage over-high protection		
32	L2	Drive bus voltage over-low protection		
33	L3	Drive phase current overload fault		
34	L4	Phase current sampling abnormal		
In case of any error, codes will shown on IDU display				

OPERATING CONDITIONS

1. Use this air conditioner under following conditions

Mode	Cool
Indoor temperature	16°C to 30°C
Outdoor temperature	16°C to 48°C
Indoor humidity	80% or less relative humidity

2. If the air conditioner operates in a high-humidity environment in cool mode for an extended period of time, condensation may occur.
3. For performance parameters refer to the nameplate.
4. The waterproof level of the indoor unit is IP24. Do not use it in the laundry area or bathroom.
5. The outdoor unit should not be installed in a closed area.

CLEAN & CARE

WARNING!

- 1.Switch OFF the unit and pull out the power plug before cleaning the air conditioner to avoid electric shock.**
- 2.Never throw water on the indoor unit and the outdoor unit as it may lead to electric shock.**
- 3.Never use volatile liquid to clean the unit as it may cause damage.**
- 4.For all product service related exercise, always refer to a qualified professional only. Contact the brand Customer Care**

1.CLEAN THE FRONT PANEL

Wipe the front panel with a clean dry cloth to clean the dust.

NOTE: Please do not use water to clean the front panel as microcomputer components and circuit diagrams on the front panel may get damaged.

2.CLEAN THE AIR FILTER (*Recommended once every two weeks)

NOTE: If the indoor unit is operating in a dusty environment, the dust filter may need regular cleaning. After taking off the filter, do not touch the fin of the indoor unit, in order to avoid hurting your fingers.

3. CHECK BEFORE USE

- 1.Be sure that nothing obstructs the air outlet and intake vents.
- 2.Check whether the ground (Neutral Earth) wire is properly connected or not.
- 3.Check the batteries of the Remote.
- 4.Check the mounting stands/brackets of the outdoor unit. If damaged, please contact the brand Customer Care helpline.

-For proper professional and brand approved service, contact our Customer Care helpline via:

**www.acerappliances.in/support
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TROUBLESHOOTING

WARNING!

For all product service related exercise, always refer to a qualified professional only. Contact the brand Customer Care.

Phenomenon	Troubleshooting
-Compressor does not operate immediately when the air conditioner is restarted.	-Once the air conditioner is stopped, the Compressor will take approx. 3 minutes to restart.
-There is unusual smell coming from the outlet while running.	-This might be due to the dirty filter. -Solution method: Clean the filter. If the problem still persists, please contact Customer Care
-Sound of water flow can be heard during the operation.	-While air conditioner is running, refrigerant flowing sound can be heard when compressor starts or stops. -This is a normal function.
-In COOL mode, a mist may come out from the air outlet vent.	-When the indoor temperature and humidity are high, this phenomenon may happen. This is caused due to the room temperature dropping quickly, and will go away after the temperature and humidity are lowered

E-WASTE MANAGEMENT

Environmental compliances:

This product falls under the E-WASTE (MANAGEMENT) RULES, 2016 all amendments of Ministry of Environment, Forests & Climate Change.

For more information under E-Waste (Management) Rules, 2016, for disposal of E-waste, please call our helpline no.

91-76696 10805 or visit **www.acerappliances.in/ewaste**

Do's and Don'ts for disposal of the product:



1) Do's:

- a. Always drop off your used electrical/electronic products, batteries, cables, adapters, and packaging materials after the end of their life at the nearest authorized collection point/centre.
- b. Separate the packaging material according to their respective waste disposal options and sorting for recycling.
- c. Always call Authorized E-waste Recyclers to Dispose off products that have reached end-of life.

2) Don'ts:

- a. Never dump E-waste in Garbage bins or Municipal solid waste streams.
- b. Do not dispose of your product as unsorted municipal waste.
- c. Do not throw or dispose of used, damaged or leaking batteries & products into household waste.

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