

USER MANUAL

INDcool SPLIT INVERTER AIR CONDITIONER



**Thank you for selecting INDcool Split Inverter
Air Conditioner**

WELCOME

Dear Customer,

Congratulations on your purchase and welcome toINDcooFamily.

At INDcoolwe take pride in our reputation for high-quality products and industry proven performance. Our products are designed around you so that you can connect with the product quickly.

We hope you have a truly rewarding experience withINDcool.Your inputs and feedback will not only encourage us to design better and more user-friendly products but will also help us in improving our current product range.

We look forward to your feedback on this product's page on www.INDcool.in

Thank You
Team INDcool

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REGULATIONS

E-Waste Management Policy



This symbol on the product and/or accompanying documents means that the used electrical and electronic products should not be mixed with general household waste. For proper treatment, recoveries, recycling, etc., this product needs to be taken to the designated collection points, where they will be accepted on a free of charge basis.

Alternatively, the user may be able to return the product to the INDcoolStore on the purchase of a new product. Disposing of this product correctly will help save valuable resources and prevent any potential negative effect on human health and the environment, which could otherwise arise from inappropriate waste handling.

Please contact INDcoolCustomer Care at 0120-497-7980 for further details on your nearest designated collection point. Penalties may be applicable for incorrect disposal waste, as per the Indian Legislation.

Product Packaging

Product packaging has the purpose of protecting an appliance from damage that might occur during transportation. The material used for packaging is recyclable and is selected because of respect for the environment and ease of disposal, aiming for material reintegration into the product production cycles. This mechanism allows reduction of the volume waste and makes a more rational usage of non-renewable resources possible.

Important Instructions!

- Please read this manual and warranty card carefully before operating your product and retain this manual for future reference.
- Follow all instructions and explanations while handling and installing your product. Keep the manual handy for later use.
- All information in this manual is based on the latest product information available at the time of printing of this manual. However, due to improvements or other changes, there may be discrepancies between the information in this manual and the actual product.
- While due precautions are taken in printing this manual, INDcool assumes no responsibility for any error or omissions.

PRODUCT DETAILS

Features

- 100% Copper Evaporator & Condenser Coil
- 4-in-1 Smart Convertible
- Energy Efficient Inverter Compressor
- 2 Way Auto Swing
- Corrosion Resistance Blue Evaporator and Condenser Fins
- Cools up to 52°C
- Anti-Viral Dust Filter & PM 2.5 Filter
- Turbo Cool (Arctic Cool), Cool, Auto, Dry Mode, Sleep Mode
- Hidden Display & Self Diagnosis

SAFETY INSTRUCTIONS

General Safety Instructions

- Before using the appliance check for any damage. If there is any damage, do not use the appliance and immediately contact INDcool Customer Care at 0120-4977980, 1800-119-515
- Do not operate the appliance with a damaged power cord/plug or is dropped and damaged in any manner. If the product requires attention within the warranty period, please contact INDcool Customer Care at 0120-4977980, 1800-119-515
- To protect against fire, electric shock, or injury, do not place a cord, plug or appliance in water or any other liquid.
- Do not install the product in an area prone to combustible gas leaks, grease, or metal dust.
- This appliance is not intended to be used by people including children with reduced physical, sensory, or mental capabilities or a lack of experience and knowledge unless they have been given supervision or instructions concerning the use of the appliance by a person responsible for their safety.
- To protect against electric shock, always unplug from the outlet before cleaning. To disconnect, remove the plug from the outlet. Do not yank on the cord as it may damage the cord and eventually cause electric shock.
- To avoid an electrical overload, do not operate another high-wattage appliance on the same power socket.
- The use of an accessory/attachment/utilities not approved by the manufacturer may result in improper functioning of the appliance/fire/electric shock/injury.

Product Usage Warning

Electrical Warning

- Only use the specified power cord. If the Power Cord is damaged, it must be replaced by the manufacturer or an Authorised Service Agent to avoid a hazard.
- The unit should be connected with an individual circuit and the circuit breaker/ fuse rating should be the same as that of the power cord.

- Do not pull the power cord to unplug the Unit. Hold the plug firmly and pull it from the outlet. Pulling the cord directly can damage it, which can lead to fire or electric shock.
- Do not modify the length of the power supply cord or use an extension cord to power the unit.
- Do not share the electrical outlet with other appliances. The improper or insufficient power supply can cause fire or electrical shock.
- The product must be properly earthed at the time of installation to prevent electrical shocks.
- For all electrical work, follow all local and national wiring standards, regulations and the user manual. Connect the cables tightly, and clamp them securely to prevent external forces from damaging the terminal. Improper electrical connections can overheat and cause fires or electric shocks. All electrical connections must be made according to the Electrical Connection Diagram located on the panels of the Control Box unit.
- All wiring must be properly arranged to ensure that the Control Board Cover can be closed properly. Failure to do that can lead to corrosion and cause the connection points on the terminal to heat up, catch fire or cause electrical shock.

Warning for Product Use

- In abnormal situations (like a burning smell), immediately turn Off the unit and disconnect the power.
- Do not insert fingers, rods or other objects into the Air Inlet or Outlet. This may cause injury, given 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 fires or burning.
- Do not operate the Air Conditioner near or around combustible gases. Emitted gases may collect around the unit and cause an explosion.
- Do not operate your Air Conditioner in a wet room such as a bathroom or laundry room. Too much exposure to water can cause short circuits.
- Do not expose your body directly to cool air for a prolonged period.
- Do not allow children to play with the Air Conditioner. Children must be supervised around the unit at all times.

- If the Air Conditioner is used along with burners or other heating devices, thoroughly ventilate the room to prevent oxygen deficiency.
- In certain functional environments, such as kitchens, server rooms, etc., the use of specially designed Air Conditioning units is highly recommended.

Product Installation Warning

- Installation must be performed by an Authorised Dealer or Specialist. Defective installation can cause water leakage, electrical shock, or fire.
- Install according to the instructions. Improper installation can cause water leakage, electrical shock or fire.
- Contact an Authorised Service Personnel for repair or maintenance of this unit. This appliance should be installed following the National Wiring Regulations.
- Only use the included accessories and parts for installation. Using non-standard parts can cause water leakage, electrical shock, fire and can even cause the unit to fail.
- Install the unit in a secure location that can support the unit's weight to prevent it from dropping and causing severe injury or damage.
- Install drainage piping according to the instructions in this manual. Improper drainage may cause water damage to your home and property.
- For units that have an auxiliary Electric Heater, do not install the unit within 1 m (3 ft) of any combustible substances.
- Do not turn the power on until all the work has been completed.
- Do not install the unit in a location that may be exposed to combustible gas leaks. If combustible gases accumulate around the unit, it may cause a fire.
- When moving or relocating the Air Conditioner, consult INDcool Authorised Service Technician for disconnecting and reinstalling the unit.

Warning for using R32 Refrigerant

- When flammable Refrigerants are employed, the appliance should be stored in a well-ventilated area where the room size corresponds to the room area as specified for its operation. For R-32 Refrigerant Models: The appliance should be installed, operated and stored in a room with a floor

an area larger than 4m². The appliance should not be installed in an unventilated space, especially if the space is smaller than 4m².

- When Mechanical Connectors are reused indoors, the sealing parts should be renewed. When flared joints are reused indoors, the flare part shall be refabricated.

Warning for Maintenance

- Turn Off the device and disconnect the power before cleaning. Failure to do so can cause electric shocks.
- Do not clean the Air Conditioner with excessive amounts of water.
- Do not clean the Air Conditioner with combustible cleaning agents, it can cause fires or deformation



CAUTION

- *Turn OFF the appliance and disconnect the power if you are not going to use it for a long time.*
- *Turn OFF and unplug the unit during storms.*
- *Make sure that the condensed water drains unhindered from the unit.*
- *Do not operate the appliance with wet hands. This may cause electric shock.*
- *Do not use the device for a purpose other than intended use.*
- *Do not climb or place objects on top of the outdoor unit.*
- *Do not operate appliances for a long time with doors and windows open, or while the humidity is too high.*
- *Appliance with R32 refrigerant, if used roughly, may cause serious harm to the human body or surroundings.*

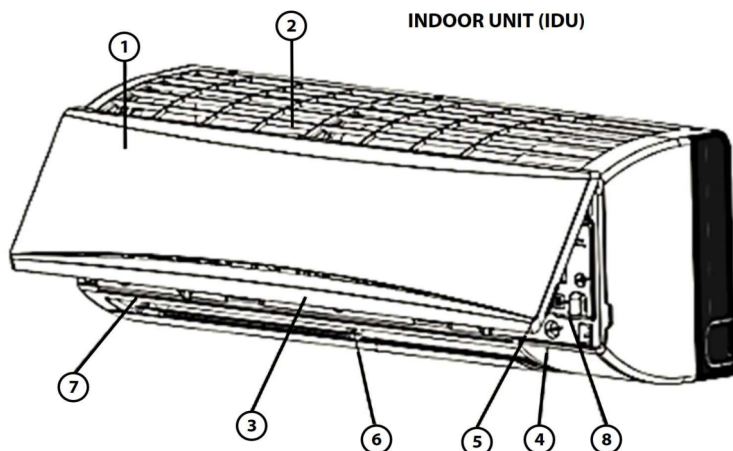
KNOW YOUR PRODUCT

Package Contents

This package contains the items listed below. In case any of the listed items are missing, immediately contact Croma Customer Care at 0120-4977980, 1800-119-515

S/N	Items	Qty
1	Indoor Unit	1
2	Outdoor Unit	1
3	Remote Control	1
4	Connecting Wire	1
5	Connecting Pipes	1
6	User Manual	1

Understanding Your Air Conditioner



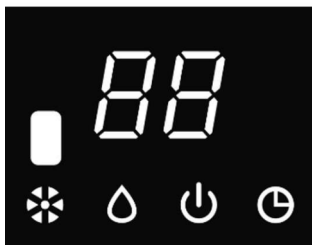
- | | |
|----------------------------------|----------------------------|
| 1. Front Panel | 5. Terminal Block Cover |
| 2. Air Filter | 6. Horizontal Louver |
| 3. Air Filter (Optional) | 7. Vertical Louver |
| 4. LED Display & Signal Receiver | 8. Emergency ON/OFF Button |



NOTE

The picture is for reference only, please refer to the real product as standard. Attachments and accessories may vary depending upon model you have purchased.

INDOOR UNIT DISPLAY



88 Display Set Temperature

❄️ Cooling Indicator

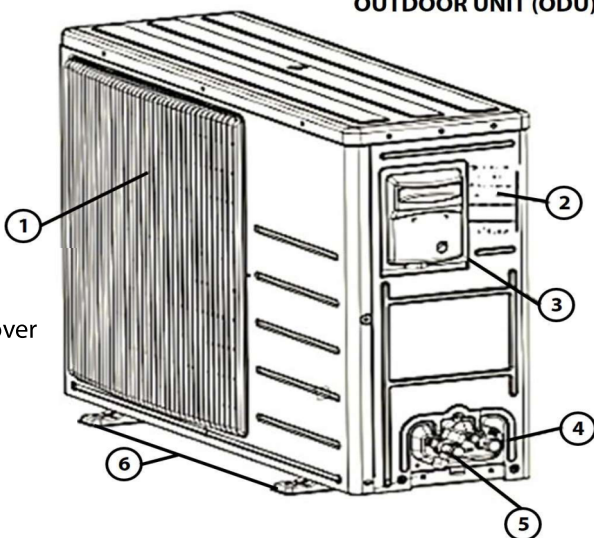
💧 Dry Indicator

⏻ ON/OFF Button

🕒 Timer Indicator

OUTDOOR UNIT (ODU)

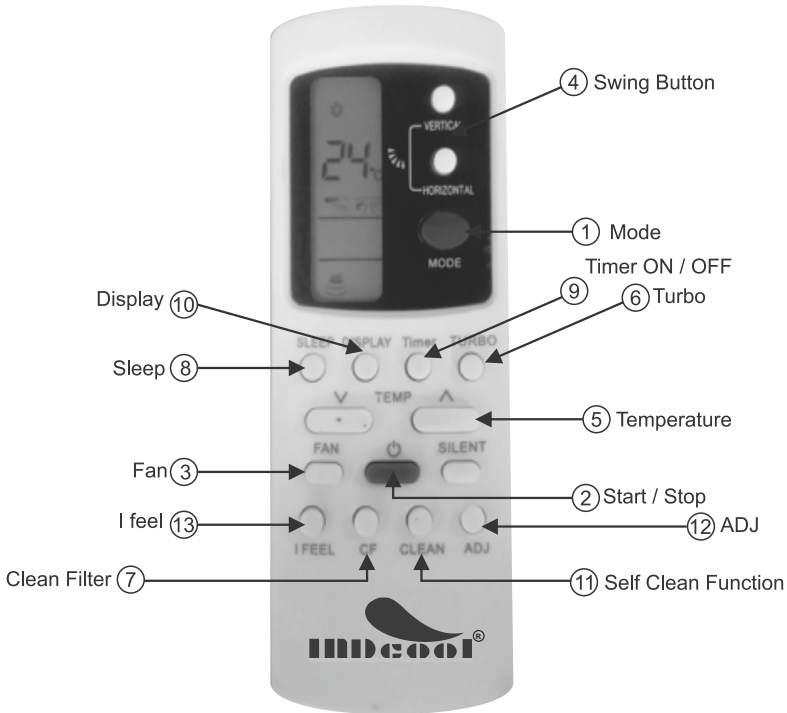
1. ODU Fan Exhaust Grill
2. ODU Rating Lable
3. ODU Control Panel Cover
4. Gas Valve
5. Liquid Valve
6. ODU Mounting Legs



NOTE

The picture is for reference only, please refer to the real product as standard. Attachments and accessories may vary depending upon model you have purchased.

Remote Control



1. Mode Button: To select the operation mode.
2. Start/Stop Button: To switch the air conditioner ON/OFF.
3. Fan Button: To select fan speed in a sequence of LOW, MEDIUM & HIGH.
4. Swing Button: To stop or start the vertical adjustment of louvre swinging and set the desired up/down airflow direction.
5. Set Temperature Setting Button: To set the temperature.
6. Turbo Cool Button: To start or stop the fast cooling/heating. (Fast cooling operates at high fan speed with 16°C set temperature automatically; operates at high fan speed, automatically)
7. Clean Filter Function : The Clean filter function is a timer-based feature to remind the user to clean the indoor unit filters. The clean filter function timer logs indoor fan running time to check if the indoor filter needs cleaning. The timer duration is 500 hrs.



NOTE

The picture is for reference only, please refer to the real product as standard. Attachments and accessories may vary depending upon model you have purchased.

The operation as follows:-

- Every time the unit turns in the system logs & checks fan runtime.
 - If total run time is less than 500 hrs, the machine operates normally.
 - If the total run time exceeds 500hrs the display toggles set temp (room temperature in fan) & CF every 4 seconds.
 - To reset the timer & clear CF from the display, In running status , press CF button on remote 6 times within 8 seconds. Once timer reset buzzer beeps 6 times & - is displayed for 2 seconds (indicate timer is reset to user).
 - After clearing the timer resets & keeps on logging & checking fan runtime.
8. Sleep button: To set or cancel sleep mode operation.
9. Timer OFF / ON :
- Press the TIMER ON / OFF Button and use the +/- Keys to select a time between 1 to 24 hours. Timer value will increase or decrease 1 Hrs from the remote handset. After set timer off successfully ,IDU displays 5 seconds setting time ,then display normally .
 - IDU Timer mode LED is switched on (if available), display will keep showing the set mode settings if unit is running.



NOTE

The picture is for reference only, please refer to the real product as standard. Attachments and accessories may vary depending upon model you have purchased.

10. **Display Button:** Whenever the display button is pressed, the display will go off except function indicator. Also if the display function is enabled, if the user presses the key, the display will be on for 5 seconds only from the last key pressed. To disable the display function press the display button again.
11. **Self-Clean function :** The Self clean function is used to clean the indoor evaporator of dust, molds etc. Duration of this function is 26 min. In cool mode, press clean key on remote "4 times" to enter self-clean function.
12. **Convertible Ac Function (ADJ) :** This function is available during the COOL /HEAT mode. This function is used to give manual control on cooling & power consumption to the user. This function has 4 levels

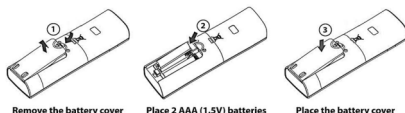
Level	Power	Maximum frequency	Entry condition	Display	Key count	Ton
Level 1	100%	F20	Key count =1	99	1	1.5T
Level 2	80%	F14	Key count =2	80	2	1.2T
Level 3	60%	F6	Key count =3	60	3	1.0T
Level 4	50%	F5	Key count =4	50	4	0.8T
Level 5 (exit)	Normal operation	As per condition	Key count =5	Set temperature	5 After exit key count =0	

- Pressing the ADJ Button on the Remote to enter desired level.
- The maximum frequency is set as per the level selected
- The compressor operation is same as normal mode. Only the maximum frequency is adjusted as per user requirement.
- Setting temperature and fan level are same as remoter handset setting .
- To exit this mode press eco 5 times or change to other mode .

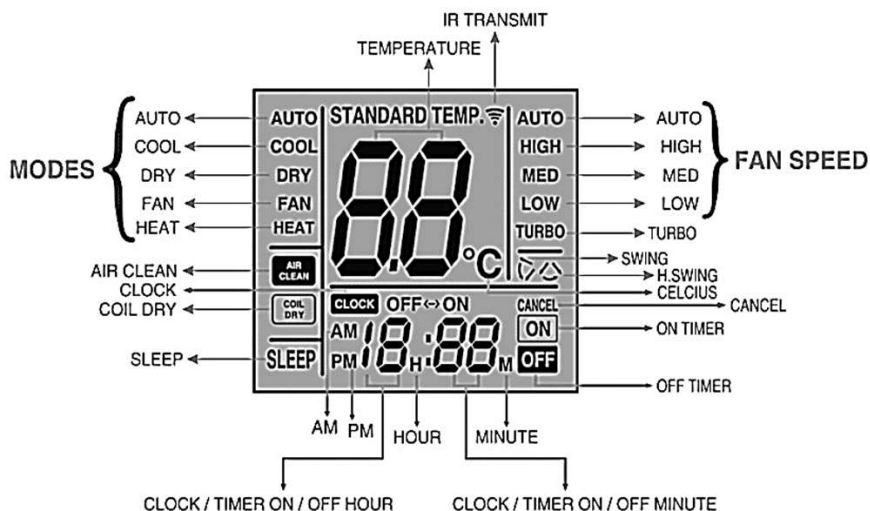
13. **I Feel :** Press 'I feel' key, IDU displays 5 seconds room temp.

Starting your remote

Insert batteries before using the remote control. The battery type used is AAA (1.5V).



Remote Display



Modes of Operation

Cool Mode

In this mode of operation, the compressor will be switched on after a delay time of 3 minutes depending on the differential of room temperature and set temperature.

Preset temperature and fan speed can be changed by the user. Fan speed can be selected by the user with the Transmitter (LOW, MEDIUM, HIGH & AUTO-FAN SPEED).

- The compressor will run at low speed if
Room Temperature = Set Temperature -2°C or below
- The compressor will run at high speed if
Room Temperature = Set Temperature +2°C or below
- Swing ON/OFF



NOTE

If the display screen starts to fade, replace the batteries.

Dry Mode

This mode of operation will be switched on after a delay time of 3 minutes depending on the differential of room temperature and set temperature. The preset temperature is 24°C always (cannot be changed).

- In dry mode fan will run as per the below logic:
- When the compressor is ON, the fan will run at low speed for 20 mins and then at medium speed for 5 mins. This cycle will continue till AC is running in Dry Mode.
- The compressor will run at low speed if:
Room Temperature = Set Temperature -2°C or below.
- The compressor will run at high speed if:
Room Temperature = Set Temperature +2°C below.
- Swing ON/OFF

Fan Mode

In this mode, the compressor will be switched OFF.

- Fan speed can be selected by the user with the Transmitter or Fan key (LOW, MEDIUM & HIGH Fan Speed).
- Swing ON/OFF

Additional Features

Auto Fan Speed (in cool mode):

While increasing room temperature:

- Low fan speed changes to medium when room temperature > set temperature by 2°C.
- Medium fan speed changes to high when room temperature > set temperature by 4°C.



NOTE

Following 24 degrees logic is applicable when AC is operated in Cool/Dry mode: If the user has set the temperature below 24 degrees in Cool/Dry mode prior to switching OFF AC and then if AC is turned ON by remote, AC will start operating at 24-degree temperature only. If the user has set the temperature 24 degrees or above 24 degrees in Cool/Dry mode prior to switching OFF AC and then if AC is turned on by remote, AC will start operating at a previous set temperature by the user.

While decreasing room temperature:

- High fan speed change to medium when room temperature < set temperature by 2°C.
- Medium fan speed changes to low when room temperature < set temperature.

Turbo

- When the turbo is selected, the Fan speed will be high, and the flap will be set at the default position.

Sleep

- Sleep mode will be activated when we press the "Sleep" key in cool mode from the handset.
- The sleep feature will be active for 8 hours.
- The total 2-degree preset temperature will increase in 2 hours (1 degree in 1 hour).
- After 2 hours, the unit will run for the next 6 hours at the same temperature.
- After completing 8 hours, the sleep feature will be deactivated and the set temperature will return to previous settings.
- After 5 minutes of sleep activation, the display light will go off. The display will be activated by pressing any key during sleep mode.
- The incremented value will not go to memory.

Energy Saver (Applicable in cool mode only)

- Energy Saver will be active when we press the Energy Saver key in cool mode from the handset.
- When Energy saver is ON, Set Temperature is 24°C (Can't be changed),
- Fan speed: Medium

Delay Time

- Compressor will always take 3 min time delay after switching off the compressor, it is required for compressor protection.
- Compressor will always take a 3-minute time delay after power ON from Mains.

Light

- Whenever a light function is enabled, the display will go off.
- When light is enabled, if the user presses any key, the display will be ON for 5 seconds only from the last key is pressed.

Fungi Protection Feature

If the compressor is ON and we Power off the system from I/O-the key of the remote, the compressor goes OFF, the fan motor remains on for the next 45-sec, and the swing motor works according to its last state for 45-seconds.

Automatic Speed Change

IF indoor unit fan motor previously runs at high speed for 1 hour, then after one hour it will automatically switch to turbo fan speed.

INSTALLING YOUR AIR CONDITIONER

Pre-Installation Instruction

- Before installing, please contact with local INDcool Authorized Service Center.
- The air conditioner must be installed by professionals according to the national wiring rules and this manual.
- Leak tests must be made after installation.

Unpacking

- Open the box & check the physical condition of the unit. If any damage is found contact INDcoolAuthorized Service Centre & do not install the product.
- At the time of opening the outdoor box, if you observe an unpleasant smell, do not install the unit & get the unit checked for any gas leakage.

Requirement for the installation process

- Avoid places of inflammable or explosive gas leakage or where there are strongly aggressive gases.
- Avoid places subject to strong artificial electric/magnetic fields.
- Avoid places subject to noise and resonance.
- Avoid severe natural conditions (e.g. heavy lampblack, strong sandy wind, direct sunshine or high-temperature heat sources).
- Avoid places within the reach of children.
- Shorten the connection between the indoor and outdoor units.
- Select where it is easy to perform service and repair and where the ventilation is good.
- The outdoor unit shall not be installed in any way that could occupy an aisle, stairway, exit, fire escape, catwalk or any other public area.
- The outdoor unit shall be installed as far as possible from the doors and windows of the neighbours as well as the green plants.

Inspecting installation area

- Check the rating label of the outdoor machine to make sure which type of refrigerant is used.

- Check the floor space of the room. The space shall not be less than usable space (5m²) in the specification. The outdoor unit shall be installed at a well-ventilated place.
- Check the surrounding environment of the installation site: R32 shall not be installed in the enclosed reserved space of a building.
- When using an electric drill to make holes in the wall, check first whether there is a pipeline for water inside the wall, electricity, and gas. It is suggested to use the reserved hole in the roof of the wall.
- The mounting rack of the outdoor unit shall be fastened with an expansion bolt.
- Ensure the secure installation regardless of what type of wall on which it is installed, to prevent potential dropping that could hurt people.

Electrical Safety requirement

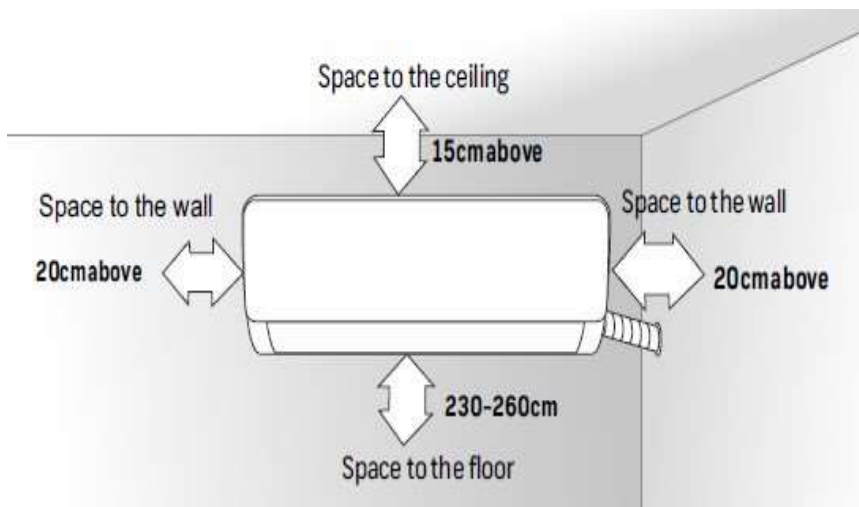
- Be sure to use the rated voltage and air conditioner’s dedicated circuit for the power supply, and the power cable diameter must meet the national requirements.
- When the maximum current of an air conditioner is ≥16A, it must use the air switch or leakage protection switch equipped with protection devices.
- The normal operating range is 90%-110% of the local rated voltage.
- The minimum clearance between the air conditioner and the combustibles is 1.5m.
- The interconnection cord enables communication between the indoor and outdoor units. You must first choose the right cable size before preparing it for connection.
- Cable Types:
Indoor Power Cable (if applicable): H05VV-F;
Interconnection Cord: H07RN-F or H05RN-F;
Minimum Cross-Sectional Area of Power Cable and interconnection Cord.

Appliance Current (Amps)	AWG	Rated Current of Appliance (Amps)	Appliance Current (Amps)
10	18	>3 and ≤6	0.75
13	16	>6 and ≤10	1
18	14	>10 and ≤16	1.5
25	12	>16 and ≤25	2.5
30	10	>25 and ≤32	4
40	8	>32 and ≤40	8

- The size of the interconnection cord, power cable, fuse, and switch needed is determined by the maximum current of the unit. The maximum current is indicated on the nameplate located on the side panel of the unit. Refer to this nameplate to choose the right cable, fuse, or switch.
- The air conditioner is the type I electrical appliance and must ensure a reliable grounding.
- Do not connect the grounding wire to a gas pipe, water pipe, lightning rod, telephone line, or a circuit poorly grounded to the earth.
- The grounding wire is specially designed and shall not be used for other purposes, nor shall it be fastened with a common tapping screw.
- The connection method of the air conditioner and the power cable and the interconnection method of each independent element shall be subject to the wiring diagram affixed to the machine.
- The model and rating value of the fuse shall be subject to the silkscreen on the corresponding controller or fuse sleeve.

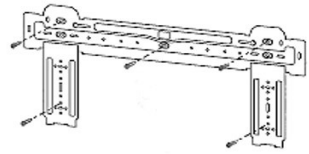
Installing the Indoor Unit

Indoor Unit installation dimensions



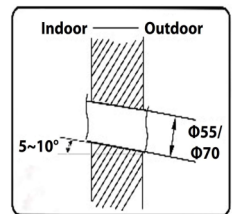
Mounting Plate Installation

- The wall for installation of the indoor unit shall be hard and firm, to prevent vibration.
- Use the "+" type screw to fasten the pegboard, horizontally mount the pegboard on the wall, and ensure the lateral horizontal and longitudinal vertical.
- Pull the pegboard by hand after the installation, to confirm whether it is solid.



Wall-through hole

- Make a hole with an electric hammer or a water drill at the predetermined position on the wall for piping, which shall slant outwardly by 5° ~ 10° .
- To protect the piping and the cables from being damaged running through the wall, and from the rodents that may inhabit the hollow wall, a pipe protecting ring shall be installed and sealed with putty.
- Usually, the wall hole is $\Phi 55\text{mm}$ ~ $\Phi 70\text{mm}$. Avoid pre-buried power wire and hard wall when making the hole.



Routing the pipeline

- Depending on the position of the unit, the piping may be routed sideways from the left or the right (Fig 1), or vertically from the back(Fig 2)(depending on the pipe length of the indoor unit). In the case of sideways routing, cut off the outlet cutting stock of the opposite side.

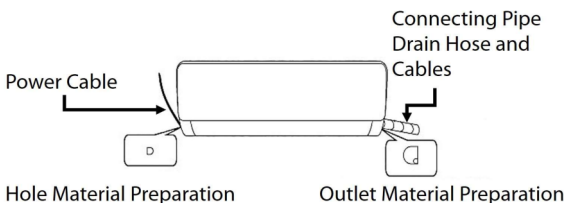


Fig 1

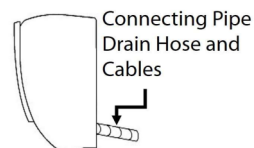


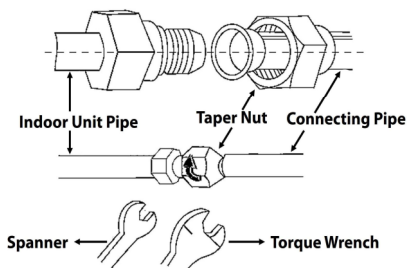
Fig 2

- The power cable may be routed separately from the piping. Cut off the outlet cutting stock and then run the power cable through the hole, keeping the remaining part as protection.

Tightening torque for connecting pipes

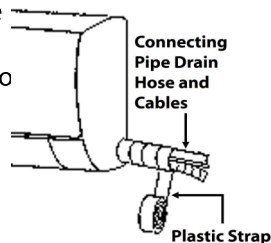
Tightening Torque Table

Pipe Size (mm)	Torque (Nm)
Φ6	15-20
Φ9.52	30-40
Φ12	45-55
Φ16	60-65
Φ19	70-75



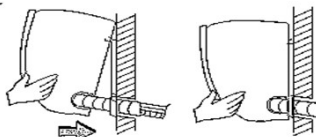
Wrapping the pipe

- Use the insulation sleeve to wrap the joint part of the indoor unit and the connection pipe, and then use insulating material to pack and seal insulation pipe, to prevent the generation of condensate water on the joint part.
- Connect the water outlet with drain pipes, and make the connection pipe, cables, and the drain hose straight.
- Use plastic cable ties to wrap the connecting pipes, cables and drain hose. Run the pipe sloping downward.



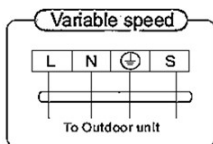
Mounting indoor unit

- Hang the indoor unit on the pegboard, and move the unit from left to right to ensure that the hook is properly positioned in the pegboard.
- Push toward the lower left side and the upper right side of the unit toward the pegboard, until the hook is embedded in the slot and makes a "click" sound.



Communication cord – Indoor Connections

- Open the panel, remove the screw on the wiring cover and then take down the cover.
- Make the interconnection cord go through the cable-cross hole at the back of the indoor unit and then pull it out from the front side. (Some models do not have a signal cable.)
- Remove the wire clip; connect the interconnection cord to the wiring terminal according to the wiring diagram; tighten the screw and then fix the interconnection cord with wire clip.

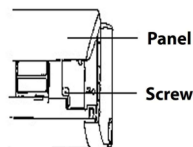


Connector



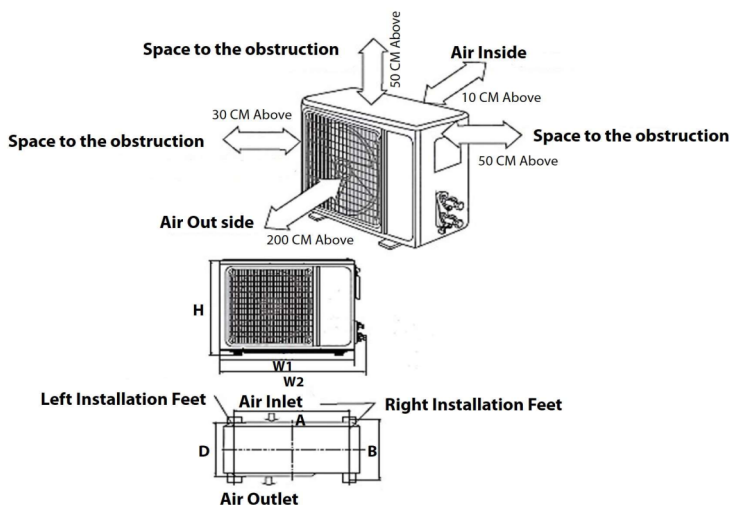
If there is a connector, connect it directly.

- Put wiring cover back and then tighten the screw.
- Close the panel.



Installing the Outdoor Unit

Outdoor Unit installation dimensions

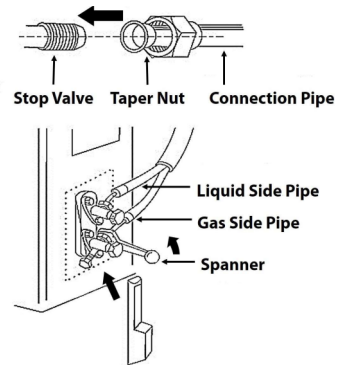


Installation Outdoor Unit Bolt

Outdoor Unit Size (W1(W2) x H x D (mm))	A (mm)	B (mm)
665(710) x 420 x 280	430	280
600(645) x 485 x 260	400	290
660(710) x 500 x 240	500	260
700(745) x 500 x 255	460	260
730(780) x 545 x 285	540	280
760(810) x 545 x 285	540	280
790(840) x 550 x 290	545	300
800(860) x 545 x 315	545	315
800(850) x 590(690) x 310	540	325
825(880) x 655 x 310	540	325
900(950) x 700 x 350	630	350
900(950) x 795 x 350	535	350
970(1044) x 803 x 395	675	409

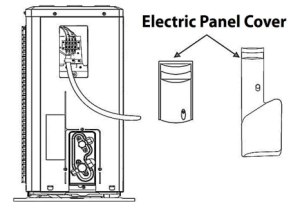
Installing the connecting pipe

- Connect the Outdoor unit with Connecting Pipe: Aim the counter-bore of the connecting pipe at the stop valve, and tighten the Taper nut with fingers.
- Then tighten the Taper nut with a torque wrench.
- When prolonging the piping, an extra amount of refrigerant must be added so that the operation and performance of the air conditioner will not be compromised.



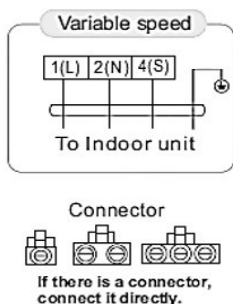
Wiring Connection

- Loosen the screws and remove the E-parts cover from the unit.
- Connect the cables respectively to the corresponding terminals of the terminal board of the outdoor unit (see the wiring diagram), and if there are signals connected to the plug.



- Ground wire: Remove the grounding screw out of the electric bracket, cover the grounding wire end onto the grounding screw and screw it into the grounding hole.
- Fix the cable reliably with fasteners (Pressing board).
- Put the E-parts cover back in its original place and fasten it with screws.

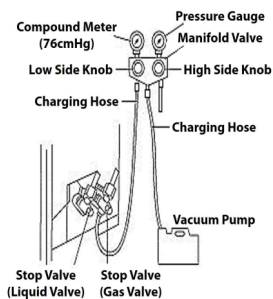
Communication Cord – Outdoor connection



Vacuuming the unit

Exclusive R32 refrigerant pump must be used in making R32 refrigerant vacuum. Before working on the air conditioner, remove the cover of the stop valve (gas and liquid valves) and be sure to retighten it afterwards (to prevent the potential air leakage).

- To prevent air leakage and spilling tighten the connecting nut of all flare tubes.
- Connect the stop valve, charge hose, manifold valve, and vacuum pump.
- Fully open the handle Lo of the manifold valve and apply vacuum for at least 15 minutes and check that the compound vacuum gauge reads 0.1Mpa(76cmHg).
- After applying vacuum, fully open the stop valve with a hex wrench.
- Check that both indoor & outdoor connections are free from leakage.

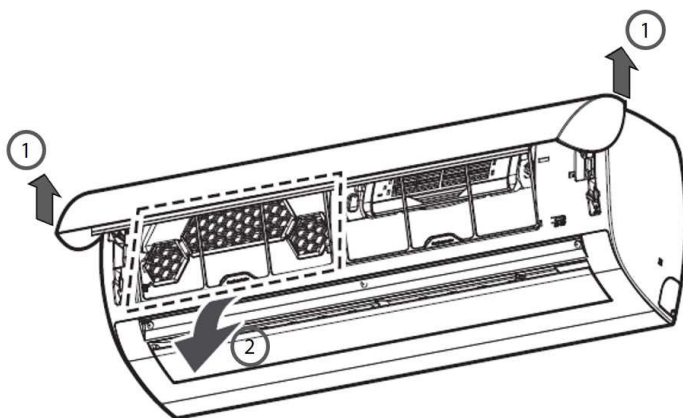


CLEANING AND MAINTENANCE

Indoor Unit Cleaning

Air Filter Cleaning

The air filters behind the front panel/grill should be checked and cleaned once every 2 weeks or more often if necessary. Clean the filters with a vacuum cleaner or warm soapy water. If dirt is not easily removed, wash with a solution of detergent in lukewarm water. Dry well in shade after washing and reinstall the filters back in place.



1. Open the front cover by lifting it from both sides.
2. Slide out the air filter carefully.
3. Once the filter is cleaned slide the filter in its place & close the front cover.

Outdoor Unit Cleaning

- The heat exchanger coils and panel vents of the outdoor unit should be checked regularly.
- If clogged with dirt or soot, the heat exchanger and panel vents may be professionally steam cleaned.

Troubleshooting & Error Codes

Troubleshooting

S/N	Problem	Cause	Solution
1	IDU not receiving remote controller signal or remote controller is not working	The remote signal is facing interference (eg. Static electricity, unstable voltage, etc.)	Switch OFF the AC from main power, pull out the plug, wait for 3 minutes & then again insert the plug & switch ON the AC
		The remote controller is out of range & not pointing towards AC remote control receiver	The remote control range is 8m, be in the range for uninterrupted operation & always point towards the remote control receiver.
		Obstacles in between	Always keep a clear path for remote controller operation, remove the obstacle or change the operation path
		Remote control sensitivity is low, improper display or no display	Check remote controller batteries, if required change the same
		No display on the remote control LCD screen	Check if there is any damage to the remote control. If yes, replace the remote control
		Fluorescent lamp in the room	Take the remote controller closer to IDU.
			Turn OFF fluorescent lamp
2	No air from IDU	Air inlet or outlet is from IDU is blocked	Clear IDU inlet & outlet path, clear the filters provided in IDU
		In heating mode, IDU temperature reached the set temperature	Once the IDU reaches the set temperature the blower will turn OFF & there will be no air coming out from IDU
		The heating mode is turned ON just now	To prevent blowing out the cold air, IDU will start after a delay of several minutes, it is a normal phenomenon

S/N	Problem	Cause	Solution
3	AC unit is not starting	Power failure	Check if there is any power failure at your place
		The power plug is not inserted properly	Switch OFF the unit from the main power, insert the plug properly & start again
		A circuit breaker is tripped or fuse is burnt	Ask a professional electrician to replace the circuit breaker or burnt fuse
		Wiring malfunction	Ask a professional electrician to replace/repair the wiring
		Unit is starting again immediately after stopping the operation	Wait for 3 minutes and then turn ON the unit again
		Incorrect function setting on the remote controller	Reset the function
4	Mist is blown of the IDU	IDU temperature and humidity is high	Since indoor air is cooled rapidly, after a while IDU temperature & humidity will be decreased and mist will disappear
5	Not able to adjust the set temperature	Unit is operating under Auto mode	Temperature cannot be adjusted in Auto Mode, switch to operation mode if you want to set the temperature
		Your required temperature exceeds the set temperature	Set temperature ranges from 16°C to 30°C
6	The cooling/heating effect is not good	Too low voltage	Wait for voltage to get normal then operate the unit
		Filter not clean	Clean the filter
		The set temperature is not in the proper range	Adjust temperature to the proper range
		Leak source in the room	Close all doors/windows
7	Odour coming from IDU	There might be an odour source nearby such as cigarettes.	Remover the odour source away from IDU & Clean the filter
8	Abnormal behaviour of the unit	There might be some interference such as thunder, wireless devices, etc.	Switch OFF the power, remove the plug, wait for 3mins, insert the plug & turn ON AC

S/N	Problem	Cause	Solution
9	Vapour from ODU	The heating mode is turned ON	During defrosting under the heating mode, AC may generate vapour, it is a normal phenomenon
10	Water flowing noise	Observed when AC is turned ON or OFF	It is the sound of the flow of refrigerant, it is an abnormal phenomenon
11	Cracking Noise	Observed when AC is turned ON or OFF	This is the sound of friction of plastic parts caused by expansion & contraction of panels or other parts due to the change of temperature

Error Codes

S/N	ODU Light Flash	IDU Display	Description
1	25	EE	IDU EE fault
2	26	E1	IDU fan fault
3	27	E2	Indoor fan zero-crossing detection abnormal
4	28	E3	IDU coil & sensor fault
5	29	E4	IDU ambient temperature sensor fault
6	1	E0	ODU EE fault
7	2	E6	IDU-ODU communication fault
8	4	F1	Compressor starting abnormal (phase failure/ reverse)
9	5	F2	Compressor out of step fault
10	6	F3	IPM module fault
11	7	F4	Compressor shell roof fault/protection
12	8	F5	Discharge temperature sensor fault
13	9	F6	Suction temperature sensor fault
14	10	F7	ODU coil temperature sensor fault
15	11	F8	ODU ambient temperature sensor fault
16	12	F9	ODU DC fan fault
17	/	E8	ODU Communication fault
18	13	P1	ODU machine AC current protection
19	14	P2	Compressor phase current protection
20	15	P3	ODU high/low AC voltage protection
21	16	P4	DC voltage high/low protection

S/N	ODU Light Flash	IDU Display	Description
22	17	P5	IPM high-temperature protection
23	18	P6	Discharge temperature overheat protection
24	19	P7	IDU cooling coil anti-freeze protection
25	20	P8	ODU coil overheat protection
26	21	P9	IDU heating coil overheat protection
27	22	PC	ODU cooling ambient temperature low protection
28	23	PH	ODU heating ambient temperature high protection
29	31	L1	Drive bus high voltage protection
30	32	L2	Drive bus low voltage protection
31	33	L3	Drive phase current overload fault
32	34	L4	Phase current sampling abnormal

WARRANTY DETAILS

Product Name : INDcool Split Inverter Air Conditioner

- This warranty is applicable on this product for a period of Twelve (12) months from the date of purchase.
- The warranty is applicable on compressor for a period of 5/10 years from the date of purchase.
- In the case of commercial usage of this product, the warranty period would be limited to 90 days only.
- This warranty will be terminated automatically after 12 months from the date of purchase, even if the product was not in use during the warranty period for any reason.

INDcool guarantees the product purchased to be free from defects resulting from the use of faulty parts or poor workmanship during its manufacture, subject to terms of the limited warranty ("Warranty").

These warranty instructions are detailed on our website and can be accessed through the link -
<https://www.INDcool.in>

If you experience any difficulty in operating this product or require any service assistance, please contact:

INDcool Electrical Pvt. Ltd.

B-10, Media Village, Palash Estate ,Phi-4

Greater Noida 201301 (UP)

WebSite: www.INDcool.in

E-mail: careINDcool@gmail.com

Customer Care : 9213945441, 01204977980

Toll Free : 1800119515

E - waste

Information on hazardous constituents as specified in sub-rule 1 of rule 16 (1) in electrical and electronic equipment.

Declaration of Conformity with the requirements of the E-Waste (Management) Amendment Rules 2018 with the rule 16 (1) limits with respect to Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls, Polybrominated diphenyl ethers.

The content of hazardous substance with the exemption of the applications listed in SCHEDULE II of the E-Waste (Management) Amendment Rules 2018 :

1. Lead (Pb) – not over 0.1% by weight;
2. Cadmium (Cd) – not over 0.01% by weight;
3. Mercury (Hg) – not over 0.1% by weight;
4. Hexavalent chromium (Cr6+) – not over 0.1% by weight;
5. Polybrominated biphenyls (PBBs) – not over 0.1% by weight;
6. Polybrominated diphenyl ethers (PBDEs) – not over 0.1% by weight.



For the purpose of recycling to facilitate effective utilization of resources, please return this product to a nearby authorized collection center, registered dismantler or recycler, or service center when disposing of this product.

INDcool Customer Care : 01204977980, 1800119515

INDcool WebSite: for information on E-waste collection: www.INDcool.in

Do's & Don't: E-waste (Management) Amendment Rules 2018		
S.No.	Do's	Don't
1.	All electrical and electronic products are required to be handed over only to the Authorized recycler.	The product should not be opened by the User himself / herself, but only by authorized service personnel.
2.	The product should be handed over only to authorized recycler for disposal.	The product is not meant for re-sale to any unauthorized agencies / scrap dealer / kabari-walas.
3.	Keep the product in isolated area, after it becomes non-functional / un-repairable so as to prevent its accidental breakage.	The product is not meant for mixing into household waste stream.
4.	Refer to Operating Instructions for handling of end of life products.	Do not keep any replaced spare part(s) from the product in exposed area.
5.	Always dispose products that have reached end-of life at Authorized Service Centre.	Do not donate old electronic items to any body. Do not dispose your product in garbage bins along with municipal waste that ultimately reaches landfill.
6.	Wherever possible or as instructed, separate the packaging material according to responsible waste disposal options and sorting for recycling.	Do not give e-waste to informal and unorganized sectors like Local Scrap Dealer / Rag Pickers.

INDcoolCustomer Care
INDcool Electrical Pvt. Ltd.
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