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› Blue Star 1.5 Ton 5 Star Inverter Split AC (IE518PNU) User Manual

## Blue Star IE518PNU

# Blue Star 1.5 Ton 5 Star Inverter Split AC (IE518PNU) User Manual

## 1. PRODUCT OVERVIEW

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This manual provides essential information for the safe and efficient operation of your Blue Star 1.5 Ton 5 Star Inverter Split AC, model IE518PNU. This advanced air conditioning unit features a 5-in-1 convertible cooling system, an inverter compressor for energy efficiency, and 100% copper components for durability.



Figure 1: Blue Star 1.5 Ton 5 Star Inverter Split AC Indoor Unit.

### Key Features:

- **5-in-1 Convertible Cooling:** Unique mode to run your AC at 5 different capacities (40%, 60%, 80%, 100%, 110% Turbo) as per desired comfort and power saving needs.
- **Inverter Compressor:** Variable speed compressor which adjusts power depending on heat load, ensuring energy efficiency.
- **100% Copper Condenser:** Provides enhanced heat transfer, durability, and resistance to corrosion.
- **DigiQ Hepta Sensor:** Advanced sensing technology for optimal performance and precise temperature control.
- **Dust Filter:** Improves indoor air quality by trapping dust and other airborne particles.
- **Self Diagnosis:** Automatically detects and displays error codes for quick identification and resolution of issues.
- **Turbo Cool:** Delivers instant and powerful cooling, rapidly bringing down room temperature.
- **4-Way Air Swing:** Motorised horizontal and vertical swing ensures uniform cooling across the entire room.
- **R-32 Refrigerant:** Utilizes an eco-friendly refrigerant with a low global warming potential.

- **5 Star Energy Rating:** Achieves high energy efficiency, leading to reduced electricity consumption.
- **Stabiliser-free operation:** Designed to operate safely within a wide voltage range, eliminating the need for an external stabilizer.



Figure 2: Key features of the Blue Star Inverter Split AC.

## 2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installing and operating the air conditioner. Keep this manual for future reference.

### General Safety Precautions:

- **Professional Installation:** Installation, maintenance, and repair must be performed by qualified service personnel. Improper installation can lead to electric shock, fire, or water leakage.
- **Electrical Safety:** Ensure the power supply matches the rating plate specifications. Do not use extension cords or multi-outlet adapters. Always use a dedicated power circuit.
- **Grounding:** The unit must be properly grounded to prevent electric shock.
- **Flammable Refrigerant:** This unit uses R-32 refrigerant, which is mildly flammable. Do not expose the unit to open flames or ignition sources.
- **Ventilation:** Ensure adequate ventilation during installation and servicing, especially in enclosed spaces.
- **Children and Vulnerable Persons:** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- **Cleaning:** Always switch off the power supply and unplug the unit before cleaning or performing any maintenance.
- **Water Leakage:** If water leaks from the unit, turn off the power supply and contact a qualified service technician immediately.

### 3. INSTALLATION GUIDE

For optimal performance and safety, the installation of your Blue Star Split AC must be carried out by a certified and authorized service technician. Improper installation can void your warranty and lead to operational issues or safety hazards.

#### Installation Overview:

- **Indoor Unit Placement:** The indoor unit should be mounted on a wall, ensuring sufficient space around it for proper airflow and maintenance. Avoid direct sunlight or heat sources.
- **Outdoor Unit Placement:** The outdoor unit should be placed in a well-ventilated area, away from direct sunlight and obstructions. Ensure it is on a stable, level surface.
- **Refrigerant Piping:** Proper length and insulation of copper piping are crucial for efficiency.
- **Drainage:** Ensure the drain pipe is correctly installed to allow for proper water drainage and prevent leaks.
- **Electrical Connections:** All electrical wiring must comply with local codes and the unit's specifications.



Figure 3: Dimensions of the Indoor and Outdoor Units (Indoor: 24.3D x 91.2W x 31.5H cm; Outdoor: 35.2D x 84W x 56H cm).

## Service Charges for Split AC Installation:

Below is a general guide for service charges related to split AC installation. Please note that these are indicative and actual costs may vary based on specific site conditions and additional materials required. GST will be applicable.



Figure 4: Blue Star Split AC Service Charges.

### Inclusions:

- Mounting and installation of ODU & IDU (with accessories, if required).
- Drilling on the brick wall (up to 10") for the copper tube, drain pipe, and the interconnection of electrical wires with communication cables.
- Cleaning the site.
- Product demonstration covering features, safety protocols, and troubleshooting steps.

### Exclusions:

- Additional copper pipe, electric / communication cables and drain pipe beyond the standard.
- Civil / core-cutting / carpentry / metal work on concrete / stone wall >10" thickness.
- Stabiliser & ODU stand supplied by customer will be charged for installation.
- Dismantling old AC.
- Scaffolding arrangement.
- MCB arrangement of 15/16 amps for 1 TR, 1.5 TR & 20 amps for 2 TR.
- Society / association permissions.
- Installation of external protective covers.
- Customised on-site work as per customer requirements.

## 4. OPERATING INSTRUCTIONS

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Your Blue Star AC comes with a user-friendly remote control and smart features for convenient operation.

### Remote Control Functions:

The remote control allows you to manage all functions of your AC. Ensure batteries are correctly inserted (AAA 1.5V). Point the remote directly at the indoor unit.



Figure 5: Blue Star AC Remote Control.

- **Power Button:** Turns the AC unit ON or OFF.
- **Mode Button:** Cycles through operating modes: Cool, Dry, Fan, Auto.
- **Temperature Buttons (Up/Down Arrows):** Adjusts the desired room temperature.
- **Fan Speed Button:** Selects fan speed (Auto, Low, Medium, High).
- **Swing Button:** Controls the horizontal and vertical airflow direction.
- **Timer Button:** Sets the ON/OFF timer for scheduled operation.
- **Eco Mode:** Optimizes energy consumption for efficient cooling.
- **Sleep Mode:** Adjusts temperature and fan speed for comfortable sleep and energy saving.
- **Turbo Button:** Activates maximum cooling power for rapid temperature reduction.
- **5-in-1 Convertible Button (CONV):** Cycles through different cooling capacities.

### 5-in-1 Convertible Cooling:

This feature allows you to adjust the AC's cooling capacity to suit your needs, saving energy when full capacity is not required. Press the 'CONV' button on your remote to cycle through the following modes:

- **1 Click:** 100% Capacity

- **2 Clicks:** 80% Capacity
- **3 Clicks:** 60% Capacity
- **4 Clicks:** 40% Capacity
- **5-in-1 Turbo:** 110% Capacity (for rapid cooling)

Figure 6: 5-in-1 Convertible Cooling Modes.

## Smart Features (Wi-Fi Enabled Models):

For models equipped with Wi-Fi, you can enjoy enhanced control and convenience.

Figure 7: Smart Wi-Fi AC Features.

- **Smart AC with Smart App:** Control your AC from anywhere using the Blue Star Smart App on your smartphone.
- **Voice Command Technology:** Operate your AC using voice commands with Amazon Alexa or Google Home devices.
- **Customised Sleep:** Adjust and set the fan speed and temperature hourly over a 12-hour sleep period for personalized comfort.
- **Smart Scheduler:** Schedule your AC to switch ON/OFF at desired times on a weekly basis.
- **Energy Management:** Effortlessly track, limit, and manage your smart AC's energy usage.

## 5. MAINTENANCE AND CARE

Regular maintenance ensures optimal performance, energy efficiency, and longevity of your Blue Star AC. Always disconnect power before performing any maintenance.

### Air Filter Cleaning:

- **Frequency:** Clean the air filters every two weeks, or more frequently if the environment is dusty.
- **Procedure:**
  1. Open the front panel of the indoor unit.
  2. Remove the air filters.
  3. Wash the filters with lukewarm water and a mild detergent.
  4. Rinse thoroughly and allow them to dry completely in a shaded area.
  5. Reinstall the dry filters and close the front panel.

### Outdoor Unit Cleaning:

- Periodically check the outdoor unit for any obstructions (leaves, debris) and clear them.
- Ensure the condenser coils are clean. For deep cleaning, it is recommended to contact a professional service technician.

### Anti-Corrosive Blue Fins:

Your Blue Star AC is equipped with Anti-Corrosive Blue Fins on the evaporator and condenser coils. These fins protect against corrosion and leakage, enhancing the durability and lifespan of the unit, especially in

coastal areas or environments with high humidity.



Figure 8: Anti-Corrosive Blue Fins and Nano BluProtect Technology.

### Self-Diagnosis Feature:

The AC's self-diagnosis system can help identify common issues. If an error code appears on the display, refer to the troubleshooting section or contact customer support with the specific code.

## 6. TROUBLESHOOTING

Before contacting customer service, please perform the following checks for common issues.

### Common Issues and Solutions:

Problem	Possible Cause	Solution
AC does not turn ON	No power supply; Remote control batteries dead; Circuit breaker tripped.	Check power connection; Replace remote batteries; Reset circuit breaker.
Insufficient Cooling	Dirty air filters; Temperature setting too high; Doors/windows open; Outdoor unit obstructed; Low refrigerant.	Clean air filters; Lower temperature setting; Close doors/windows; Clear obstructions around outdoor unit; Contact service for refrigerant check.
Unusual Noise	Loose parts; Fan obstruction; Unit not level.	Check for loose parts; Clear any fan obstructions; Ensure unit is level. If noise persists, contact service.

Problem	Possible Cause	Solution
Water Leakage (Indoor Unit)	Clogged drain pipe; Improper installation.	Check and clear drain pipe; Contact service for inspection.
Remote Control Not Working	Dead batteries; Obstruction between remote and unit; Remote sensor blocked.	Replace batteries; Remove obstructions; Clean remote sensor area.

If the problem persists after performing these checks, please contact Blue Star customer support for assistance.

## 7. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	Blue Star
Model Name	AC
Model Number	IE518PNU
Capacity	1.5 Tons
Cooling Power	17401 British Thermal Units (5100 Watts)
Energy Rating	5 Star (BEE guidelines effective from 1st July 2022)
Annual Energy Consumption	782.29 Kilowatt Hours Per Year
ISEER Value	5.05
Compressor Type	Inverter (rotary_scroll)
Refrigerant	R-32
Noise Level	43 Decibels
Product Dimensions (D x W x H)	24.3D x 91.2W x 31.5H Centimeters
Item Weight	11500 Grams
Core Material	Copper
Voltage	230 Volts

Feature	Specification
Included Components	Remote
Special Features	4 Way Swing, 5-in-1 Convertible Cooling, Acoustic Jacket around Compressor, DigiQ Hepta Sensors, Stabiliser-free operation

## 8. WARRANTY AND SUPPORT

### Manufacturer Warranty:

Your Blue Star AC comes with a comprehensive warranty:

- **1 Year on Product:** Covers all repairs, rectification, or replacement of components.
- **10 Years on Inverter Compressor:** Covers the inverter compressor.

**Terms & Conditions Apply:** The warranty covers components like Electronic PCB, IDU Evaporating Coil & ODU Condenser Coil. It excludes all types of air filters, plastic and metal parts, remote handset & gas charging. Gas charging associated with Compressor/Evaporator/Condenser coil to be paid by the customer. This warranty applies to residential usage only.

### Customer Support:

For any service requests, technical assistance, or inquiries, please contact Blue Star customer care:

- **24x7 Customer Care:** (+91) 89 76 781177
- **Email:** [customerservice@bluestarindia.com](mailto:customerservice@bluestarindia.com)
- **Manufacturer Address:** BLUE STAR LIMITED, KASTURI BUILDINGS, MOHAN T ADVANI CHOWK, JAMSHEDJI TATA ROAD, CHURCHGATE, MUMBAI 400 020.



Figure 9: Blue Star Service Network and Contact Information.

### Protection Plans:

Consider additional protection plans for extended coverage and maintenance services:

- **1 Year AC wet cleaning plan by OneAssist:** Price ₹499.00 (one-time)
- **2 Years Total Protection by Acko:** Price ₹2699.00 (one-time)