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> Blue Star 1 Ton 3 Star Inverter Split AC (IA312ZXU) User Manual

## Blue Star IA312ZXU

# Blue Star 1 Ton 3 Star Inverter Split AC (IA312ZXU) User Manual

Model: IA312ZXU

## 1. INTRODUCTION

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Thank you for choosing the Blue Star 1 Ton 3 Star Inverter Split AC, model IA312ZXU. This manual provides essential information for the safe and efficient operation, installation, maintenance, and troubleshooting of your air conditioning unit. Please read this manual thoroughly before using the appliance and retain it for future reference.

## 2. SAFETY INFORMATION

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### Important Safety Instructions:

- Ensure the AC is installed by a qualified technician to prevent electrical shock, fire, or injury.
- Do not insert fingers or objects into the air inlet/outlet.
- Do not operate the AC with wet hands.
- Turn off the power supply before cleaning or performing any maintenance.
- Keep the remote control out of reach of children.
- Do not attempt to repair the unit yourself. Contact authorized service personnel.
- Ensure proper ventilation when using the AC in a small room.

## 3. PRODUCT OVERVIEW

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The Blue Star IA312ZXU is a 1 Ton 3 Star Inverter Split AC designed for efficient cooling. It features advanced technologies for enhanced comfort and durability.

### Key Features:

- **5-in-1 Convertible Cooling:** Adjusts cooling capacity based on comfort needs.
- **DigiQ Hepta Sensors:** 7 intelligent digital sensors for precise cooling and component protection.

- **AI Pro Technology:** Dynamically regulates cooling and fan speed for optimal temperature.
- **Anti-Corrosive Blue Fins:** Protects coils from corrosion, enhancing durability.
- **Turbo Cool:** Provides rapid cooling.
- **4-Way Air Swing:** Ensures uniform air distribution.
- **Humidity Control (Dry Mode):** Reduces excess moisture in the air.
- **Comfort Sleep:** Optimizes AC operation for comfortable sleep.
- **Self Diagnosis:** Identifies and displays error codes for easier troubleshooting.

## Components Included:

The package includes the Indoor Unit, Outdoor Unit, Remote Control, Batteries, this User Manual, and Copper Pipe for installation.



This image illustrates the dimensions of the indoor and outdoor units, along with the energy efficiency guide, highlighting the product's design and energy rating.

## 4. SETUP AND INSTALLATION

Professional installation is highly recommended for the Blue Star Split AC to ensure proper functioning and safety. Incorrect installation can lead to electrical shock, fire, or water leakage.

### Installation Steps (Overview):

1. **Site Selection:** Choose a location for both indoor and outdoor units that allows for optimal airflow, drainage, and maintenance access.
2. **Mounting:** Securely mount the indoor unit on the wall and the outdoor unit on a stable surface or bracket.
3. **Piping Connection:** Connect the copper pipes between the indoor and outdoor units, ensuring no kinks or leaks.
4. **Drainage:** Install the drain pipe to ensure proper water removal from the indoor unit.

5. **Electrical Wiring:** Connect the power supply and communication cables according to the wiring diagram provided in the detailed installation guide (typically provided to the technician).
6. **Vacuumping and Gas Charging:** Evacuate air from the refrigerant lines and charge with the appropriate amount of R-32 refrigerant.
7. **Test Run:** Perform a test run to verify all functions are operating correctly.

### Service Charges for Installation:

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This table outlines typical service charges for split AC installation, including standard installation, dismantling, and costs for additional materials like copper piping and drain pipes. Inclusions cover basic mounting, drilling, and a product demonstration. Exclusions include additional piping beyond standard, civil work, stabilizers, and scaffolding.

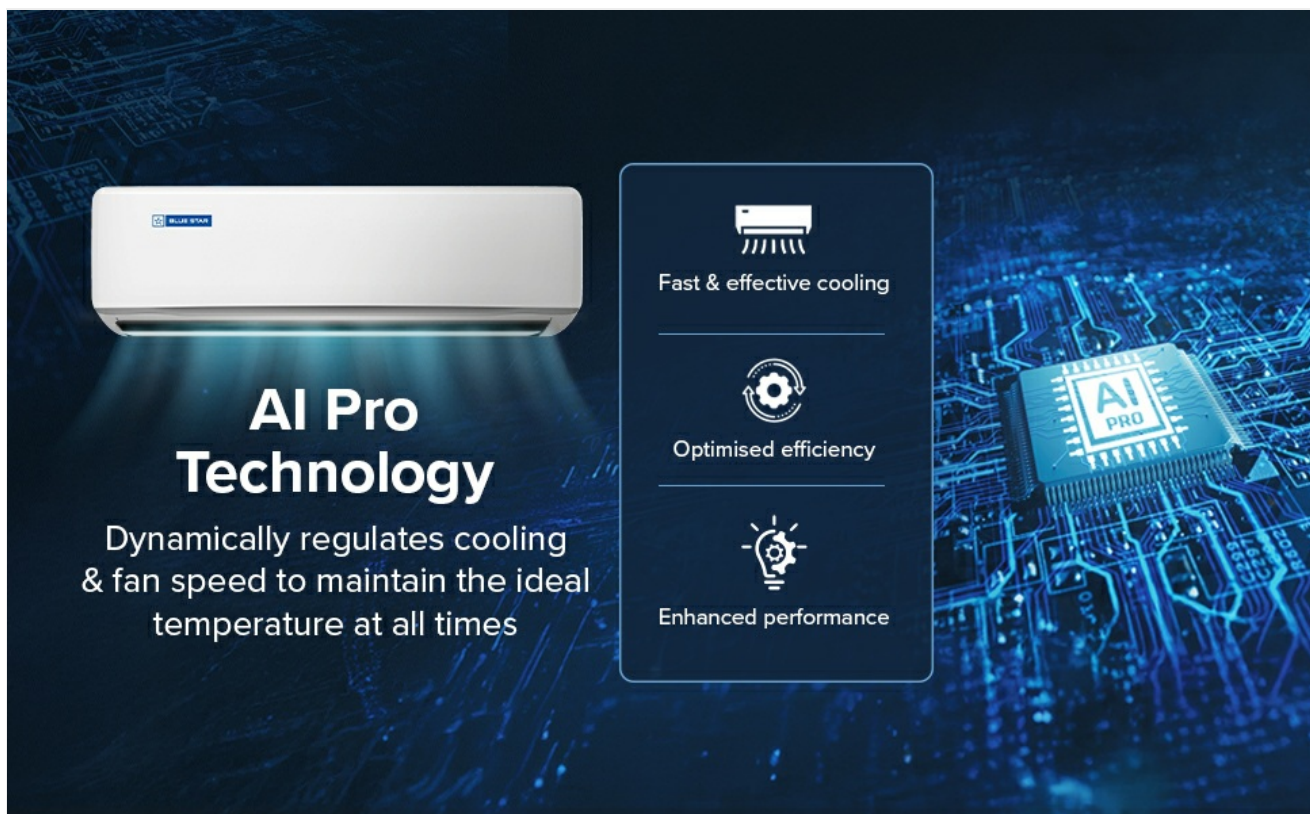
## 5. OPERATING INSTRUCTIONS

Your Blue Star AC is operated using the provided remote control. Ensure batteries are correctly inserted.

### Basic Operation:

- **Power On/Off:** Press the **ON/OFF** button on the remote.
- **Temperature Adjustment:** Use the **TEMP UP/DOWN** buttons to set your desired temperature.
- **Mode Selection:** Press the **MODE** button to cycle through modes: Cool, Dry, Fan, Auto.
- **Fan Speed:** Adjust fan speed using the **FAN** button.
- **Swing Function:** Activate 4-Way Air Swing for wider air distribution.

### Advanced Features:



This image provides an overview of the AC's advanced features, such as Fast Cooling, 5-in-1 Convertible modes, AI Pro Technology, DigiQ Hepta Sensors, Nano BluProtect, 4-Way Swing, Humidity Control, and its ability to provide 100% cooling even at 43°C ambient temperature.

- **5-in-1 Convertible Cooling:** This feature allows you to run the AC at 5 different capacities (40%, 60%, 80%, 100%, 110%) to match your cooling needs and save energy. Refer to your remote control for specific button combinations to activate these modes.



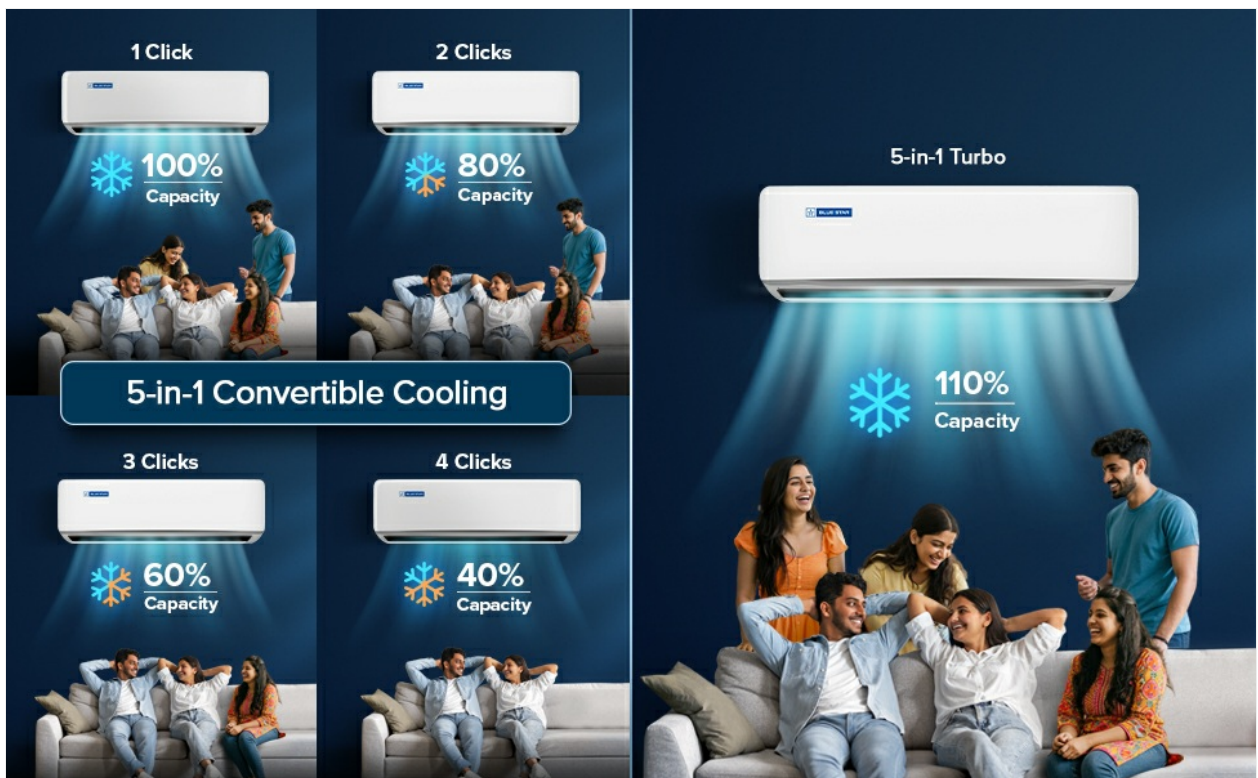
This diagram visually explains the 5-in-1 Convertible Cooling feature, showing how the AC can operate at various capacities (40%, 60%, 80%, 100%) and even a 5-in-1 Turbo mode at 110% capacity for enhanced cooling.

- **AI Pro Technology:** This intelligent system senses both ambient outdoor and indoor room conditions to automatically adjust and optimize cooling and fan speed, ensuring maximum comfort and efficiency.



The image highlights the benefits of AI Pro Technology: fast and effective cooling, optimized efficiency, and enhanced overall performance.

- **Turbo Cool:** For rapid cooling, activate the Turbo Cool function. This mode quickly brings the room temperature down to your desired level.



This illustration demonstrates how Turbo Cool, combined with 4-Way Swing and Wide Louvre Movement, ensures quick and effective cooling throughout the room.

- **Comfort Sleep:** This mode intelligently adjusts the AC's operation throughout the night to provide optimal cooling comfort and ensure undisturbed sleep.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and efficient performance of your Blue Star AC. Always disconnect power before cleaning.

### Routine Maintenance:

- **Air Filter Cleaning:** Clean the air filters every two weeks or more frequently if the environment is dusty. Remove filters, wash with mild detergent and water, rinse thoroughly, and dry completely before reinserting.
- **Indoor Unit Cleaning:** Wipe the indoor unit's surface with a soft, dry cloth. For stubborn dirt, use a damp cloth with mild detergent, then wipe dry.

- **Outdoor Unit Cleaning:** Keep the outdoor unit free from obstructions like leaves, dust, and debris. Periodically clean the outdoor coil fins with a soft brush or vacuum cleaner.
- **Drainage Check:** Ensure the drain pipe is not clogged and water flows freely.

### Special Features for Durability:

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The Nano BluProtect Technology with Anti-Corrosive Blue Fins protects the coils from rust and corrosion caused by harsh climates, rainwater, salty air, and humidity, significantly enhancing the unit's durability and lifespan.

## 7. TROUBLESHOOTING

Before contacting customer service, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution
AC does not start	No power supply; Remote control batteries dead; Circuit breaker tripped.	Check power connection; Replace batteries; Reset circuit breaker.
Insufficient cooling	Dirty air filters; Blocked outdoor unit; Room too large; Doors/windows open; Temperature setting too high.	Clean air filters; Clear obstructions; Ensure room size is appropriate; Close doors/windows; Lower temperature setting.
Water leakage from indoor unit	Clogged drain pipe; Improper installation.	Clear drain pipe; Contact service for inspection.
Unusual noise	Loose parts; Fan obstruction; Compressor issue.	Check for loose parts; Remove obstructions; Contact service if noise persists.
Error code displayed	Internal system fault (Self Diagnosis).	Note down the error code and contact customer support for assistance.

If the problem persists after attempting these solutions, please contact Blue Star customer support.

## 8. SPECIFICATIONS

Feature	Detail
Brand	Blue Star
Model Number	IA312ZXU
Capacity	1 Ton
Energy Rating	3 Star (as per new BEE guidelines effective from 1st Jan 2026)
Annual Energy Consumption	621.10 units
ISEER Value	4.38

Feature	Detail
Cooling Power	3517 Watts (12000 British Thermal Units)
Refrigerant	R-32
Compressor Type	Inverter Rotary Scroll
Noise Level	51 Decibels
Product Dimensions (Indoor Unit)	21.5D x 83.8W x 30H Centimeters
Item Weight (Indoor Unit)	9400 Grams
Voltage	230 Volts
Control Method	Remote Control
Country of Origin	India

## 9. WARRANTY INFORMATION

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Blue Star provides comprehensive warranty coverage for your AC unit:

- **Product Warranty:** 5 Years on Product.
- **Inverter Compressor Warranty:** 10 Years on Inverter Compressor.
- **PCB Warranty:** 5 Years on PCB.

### Terms and Conditions:

- Warranty covers repairs, rectification, or replacement of components like Electronic PCB, IDU Evaporating Coil, and ODU Condenser Coil.
- Excludes air filters, plastic and metal parts, remote handset, and gas charging (unless associated with a covered component failure).
- Gas charging associated with Compressor/Evaporator/Condenser coil failure is to be paid by the customer.
- This warranty applies to residential usage only.



This image highlights the extensive warranty coverage and service network across India, ensuring comfort and peace of mind for Blue Star customers.

## 10. CUSTOMER SUPPORT

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For any queries, service requests, or technical assistance, please contact Blue Star customer support:

- **24x7 Customer Care:** Call (+91) 89 76 781177
- **SMS Service:** Send "Service" or "Cool" to 57575
- **Email:** [customerservice@bluestarindia.com](mailto:customerservice@bluestarindia.com)

Manufacturer Contact Information: BLUE STAR LIMITED, KASTURI BUILDINGS, MOHAN T ADVANI CHOWK, JAMSHEDJI TATA ROAD, CHURCHGATE, MUMBAI 400 020.

