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USHA AeroEdge BLDC Ceiling Fan

USHA AeroEdge 1200mm BLDC Ceiling Fan Instruction Manual

Model: AeroEdge BLDC Ceiling Fan (USHA CF AEROEDGE)

1. Introduction

Thank you for choosing the USHA AeroEdge 1200mm BLDC Ceiling Fan. This manual provides essential information for the safe installation, operation, and maintenance of your new ceiling fan. Please read these instructions carefully before use and retain them for future reference.

The USHA AeroEdge fan features an energy-efficient BLDC motor, aerodynamic blades for superior airflow, whisper-quiet operation, and convenient RF remote control. It is designed for optimal air circulation and cooling in various indoor settings.



Image 1.1: Key features of the USHA AeroEdge BLDC Ceiling Fan, including 220 CMM air delivery, 350 RPM high speed, 35W power consumption, and BLDC technology.

2. Safety Instructions

To reduce the risk of fire, electric shock, or injury to persons, please observe the following safety guidelines:

- **Electrical Safety:** Always disconnect power at the main circuit breaker or fuse box before attempting any installation, maintenance, or repair. Ensure all electrical connections comply with local codes and regulations.
- **Professional Installation:** Installation should be performed by a qualified electrician.
- **Mounting:** Ensure the mounting structure can support the weight of the fan (approximately 3.3 kg) and its movement.
- **Blade Clearance:** Maintain a minimum clearance of 2.3 meters (7.5 feet) from the floor to the fan blades and at least 0.5 meters (1.6 feet) from the wall to the blade tips.
- **Safety Wire:** Always use the provided extra safety wire during installation for added protection against accidental detachment.
- **Do Not Insert Objects:** Never insert fingers or any other objects into the fan blades while the fan is operating.
- **Remote Control:** Keep the remote control away from water and extreme temperatures.



Image 2.1: The USHA AeroEdge BLDC Ceiling Fan emphasizing whisper quiet operation and the inclusion of a safety wire for enhanced protection.

3. Package Contents

Verify that all components are present and undamaged before proceeding with installation:

- 1 x Motor Box
- 1 x Blade Set (3 Blades)
- 1 x Shackle Kit

- 2 x Canopies
- 1 x RF Remote Control

4. Setup and Installation

Important: Installation should only be carried out by a qualified electrician to ensure safety and proper functioning. Always ensure the power supply is disconnected before beginning any installation work.

4.1 Mounting the Fan

1. Securely attach the mounting bracket to a ceiling joist or a suitable support structure capable of holding the fan's weight.
2. Assemble the downrod and canopy components according to the diagrams in the full installation guide (not provided here).
3. Carefully lift the fan motor assembly and hang it onto the mounting bracket.
4. Connect the electrical wiring, ensuring correct polarity and secure connections.
5. Attach the extra safety wire from the fan to a secure point on the ceiling structure.
6. Install the fan blades onto the motor housing, ensuring all screws are tightened securely.
7. Position the canopies to cover the wiring and mounting hardware.



Image 4.1: Front view of the USHA AeroEdge BLDC Ceiling Fan, illustrating its design for installation reference.

5. Operating Instructions

Your USHA AeroEdge ceiling fan is controlled by an RF (Radio Frequency) remote control, offering convenience from anywhere in the room.

5.1 Using the RF Remote Control

- **Power On/Off:** Press the power button to turn the fan on or off.
- **Speed Control:** Use the speed adjustment buttons to cycle through the 5 available speed settings.
- **Pairing (if necessary):** If the remote does not control the fan, refer to the full user manual for pairing instructions.

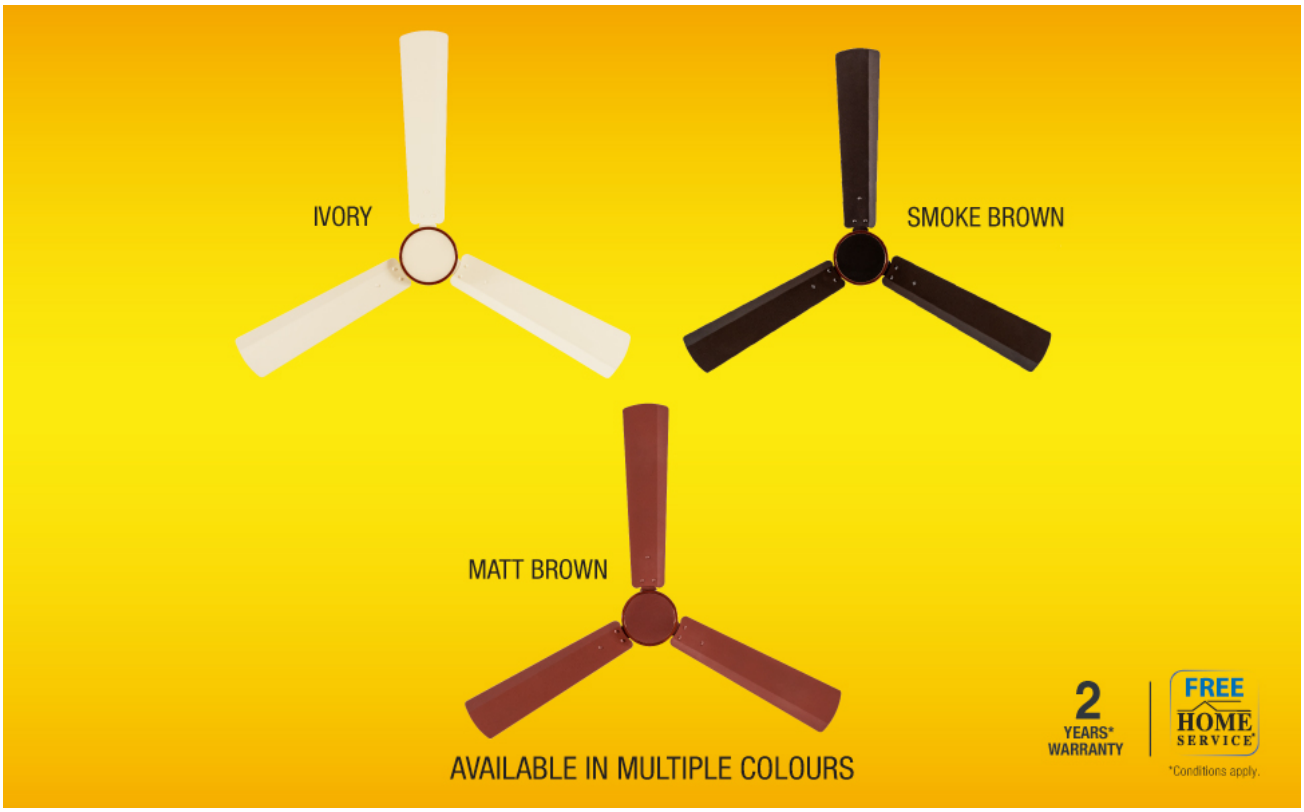


Image 5.1: The USHA AeroEdge BLDC Ceiling Fan shown with its RF remote control, highlighting the convenience of BLDC technology.

5.2 Airflow Distribution

The aerodynamic blades are designed to provide uniform and powerful air distribution across the room.

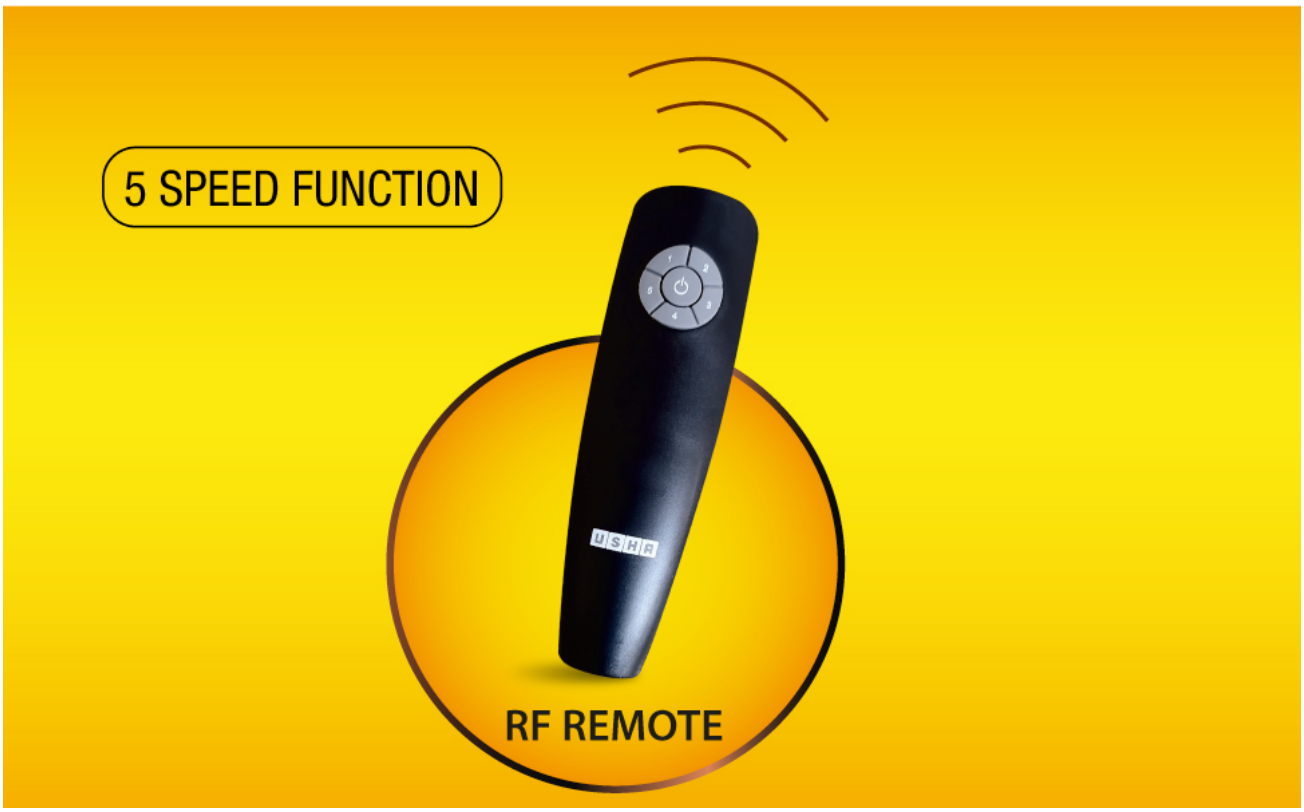


Image 5.2: Diagram illustrating the high-speed airflow pattern generated by the USHA AeroEdge BLDC Ceiling Fan, reaching all corners of a room.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your fan. Always disconnect power before performing any maintenance.

- **Cleaning:** Dust the fan blades and motor housing regularly with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Blade Inspection:** Periodically check that all blade screws are tight. Loose blades can cause wobbling and noise.
- **General Check:** Ensure all mounting hardware remains secure.

7. Troubleshooting

If you encounter issues with your fan, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Fan does not start	No power supply; Remote control battery low; Incorrect wiring.	Check circuit breaker/fuse; Replace remote battery; Verify wiring connections (consult electrician).
Remote control not working	Battery depleted; Remote not paired with fan.	Replace battery; Refer to full manual for pairing instructions.
Excessive noise or wobbling	Loose blade screws; Unbalanced blades; Loose mounting hardware.	Tighten all blade screws; Check for balanced blades (refer to full manual for balancing kit use); Ensure mounting hardware is secure.
Low airflow	Fan speed set too low; Obstruction to airflow.	Increase fan speed using remote; Ensure no objects are blocking the fan's path.

8. Specifications

Detailed technical specifications for the USHA AeroEdge 1200mm BLDC Ceiling Fan:

Feature	Specification
Brand	USHA
Model Name	AeroEdge BLDC Ceiling Fan
Model Number	USHA CF AEROEDGE
Blade Length	1200 mm
Number of Blades	3
Motor Type	BLDC (Brushless DC) with 100% Copper Motor
Power Consumption	32 Watts
Air Flow Capacity	220 Cubic Meters Per Minute (CMM)
Speed	350 RPM

Feature	Specification
Number of Speeds	5
Noise Level	50 Decibels (Whisper Quiet Technology)
Voltage	230.0 V
Controller Type	RF Remote Control
Material	Aluminium
Product Dimensions (D x W x H)	4.8D x 15.7W x 15.3H Centimeters
Item Weight	3300 Grams
Country of Origin	India

9. Warranty and Support

Your USHA AeroEdge BLDC Ceiling Fan comes with a comprehensive warranty to ensure peace of mind.

- **Motor Warranty:** 3 Years
- **PCB Warranty:** 2 Years

For any product-related queries, service requests, or technical assistance, please contact USHA customer support:

- **Toll Free No.:** 18 001 033 111
- **Manufacturer:** Usha International Limited
- **Registered Office:** Surya Kiran Building, 19 K.G. Marg, New Delhi-110 001, India

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