

ELECTRICAL WIRING INSTRUCTIONS

STEP 7

- Insert the wires coming from mains through the top hole of the Down Rod. The top canopy can then be shifted up to cover the wire connections.
- Take the wires out from the bottom hole of the Down Rod. Securely connect the RED wire to the phase/live and BLACK wire to the neutral coming from mains as shown in the adjacent image. Securely fasten the screws on the connector to avoid any sparks due to poor connections.



STEP 8

Connect the Earth wire to the terminal on the shackie kit as shown here.



Connect the Earth wire to the terminal on the shackie kit as shown here.

(Color code of the wires may vary from the region to region, please check with your state / country notifications in this regard.)

Warning

- Any connection to wires must be securely sealed using the electrical insulation tapes to prevent any shock or fire hazard.
- Avoid pinching of wires between the shackie kit, down rod or ceiling hook assembly to prevent any shock or fire hazard.

USING YOUR CEILING FAN

Congratulations! You have successfully installed your new ceiling fan using the instructions provided in the guide.

- Restore the electrical power.
- Power 'ON' the ceiling fan using switch on the panel in the room. The LED indicator comes ON when power supply is restored.

Warning

The performance of the fan gets affected if regulator, not bypass and may lead to speed variation, restart, low speed. Eliminate regulator by using direct connection from the switch to the fan.

- Use your remote to operate the ceiling fan.
- If you are going out of room/facility for long duration or on holiday then power 'OFF' the ceiling fan using the switch on the panel. When switched off from panel you do not see the LED indicator glowing on the fan.

EFFICIENT USE OF THE CEILING FAN

- Ceiling fan performance and energy savings also rely on the proper installation. Here are few tips to ensure quality and best performance.
 - Choosing appropriate mounting locations: Ceiling fans should be installed or mounted in the middle of the room and atleast 1 foot from the ceiling fan and atleast 7 feet above the floor. A height of 9 feet from the floor gives optimal performance of the fan. If you have a high ceiling, use the long rods available in the next door electronics shops to lower the height. Use the shackie kit with fasteners and washers to mount it. Insert R-pin at the end top prevent it from falling off accidentally.
 - Turn OFF when not in use or out of room: When leaving the room switch OFF the fan using remote or directly from the panel. LED glows steady when switched OFF using remote butitis on from the mains. When going on the longer duration then you must switch off the fan from the panel, as this will stop the electricity flow to the fan and save every unit of energy.
 - Using smart TIMER and SLEEP mode: For more information on how to use it refer section 'HOW TO USE YOUR REMOTE'. With the use of SLEEP button on the remote, you can program the fan to automatically reduce its speed after you sleep. This helps in saving more energy.
 - SLEEP mode adds smart comfort to you when temperature drops over night and you wish to auto reduce the speed.
 - With TIMER buttons, you can switch off the fan automatically after set hours to further save energy.

HOW TO USE YOUR REMOTE

Remote provided along with your ceiling fan is ergonomically designed. The soft controls on the remote are designed to last long.

Boost Mode

Speed Control

Sleep Mode

Timer Mode

Long Lasting AAA Batteries are used in the remote.

Warning

DO NOT use the fan regulator as the fan is operated using a remote. Eliminate regulator by using direct connection from the switch to the fan.



Remote Key	Function	Description	LED Status
Power	ON/OFF	Switch ON the fan Switch OFF the fan	Switches ON Glows Steady
1-5	Speed Control	Gradual change of speed from low to high	Blink Once
Boost	Boost Mode	Boost Mode Speed	Blink Once
1-3 & 6	Timer OFF	Fan Auto Switch OFF after 1-3 & 6 hrs respectively	Blink Once
Sleep	Sleep Mode	Reduces speed after 4 hours by 2 steps & continue to run on reduced speed	Blink Once

Note : Sleep & Timer mode does not work when the fan is OFF. Such error case is indicated by 3 lime LED Blink.

TROUBLESHOOTING

Your ceiling fan is designed to last very long with strong body and well tested electronics; however verify any problem arise please refer to the guide line shared. Please contact local electrician or service engineer if you need any help.

Trouble	Cause	Solution
Fan does not start	Loose wire connection to fan or to the switch on the panel Fan still does not start	Check fuse of MCB on the mains Check the wire connection and restore the connection Please contact service line number provided on the first page of this manual.
Regulator is connected to the fan	Regulator is connected to the fan	It is recommended that the regulator should not be connected to this ceiling fan and its controlled using a remote provided with it.
Blowing inside the housing having problem	Blowing inside the housing having problem	This ceiling fan is designed for very long use. However after many years of use, the blades may wear out and need to be replaced.
Fan blades are not sealed properly on the motor	Fan blades are not sealed properly on the motor	Make sure that the blades are properly fastened to the body. Loose connection may cause accident.
Shackle kit rattling	Shackle kit rattling	Make sure that the screws, nuts are securely fastened along with washer provided.
Canopy is touching body	Canopy is touching body	Make sure the canopy and the wire that connects the fan is touching the body of the motor.
Nut holding motor shaft & the down rod is loose	Nut holding motor shaft & the down rod is loose	Securely fasten the nut and bolts along with washers as per instruction provided in this manual
Nut holding down rod & shackie kit is loose	Nut holding down rod & shackie kit is loose	Securely fasten the nut and bolts along with washers as per instruction provided in this manual
Screws in shackie kit & the ceiling hooks is loose	Screws in shackie kit & the ceiling hooks is loose	Securely fasten the nut and bolts along with washers as per instruction provide in this manual
LED glows are not seen	LED glows are not seen	A common mistake is fixing the blades reverse direction. Please set it correct and securely fasten the screws.
LED glows are out of sync	LED glows are out of sync	Make sure blades are not bent during cleaning. Also interchanging them helps in balancing the blades.
Regulator not bypass	Regulator not bypass	Make sure the regulator is eliminated from the connection
LED glows with wrong sweep	LED glows with wrong sweep	Check the sweep of blades with the fan sweep before assembling

MAINTENANCE

- Regular cleaning of your ceiling fan is the only maintenance required.
- When cleaning, use only a soft lint free cloth or brush to avoid scratching the smooth paint finish. You can use moist cloth to remove stains if any. However do not use water directly. Abrasive cleaning agents are not required and should be avoided to prevent damage to outer finish.

Warning

- Do not use water when cleaning your ceiling fan. It could damage the motor by causing short circuit and create a possibility of an electrical shock.
- Do not bend the blades while cleaning. Bent in the blade may result in an unstable fixing and fan wobbling affecting the air delivery.



ATOMBERG TECHNOLOGIES

Atomberg®

INDIA'S MOST ENERGY EFFICIENT FAN

OWNER'S MANUAL

For instant help, contact our helpline, Give us a missed call on

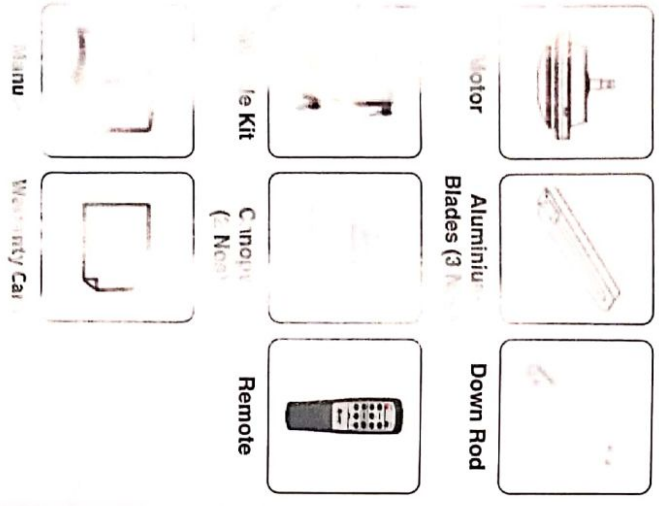
8448449442

support@atomberg.com

Atomberg Technologies Pvt. Ltd.

Dear Customer,
 Congratulations on purchase of ATOMBERG'S super-efficient ceiling fan. Please read this guide before using this product. It would also be advisable to store this guide safely for future reference.

PACKAGE CONTENTS



- Do not install or use fan if any part is damaged or missing.
- This product is designed to be used only with those parts or accessories supplied with this product and/or any accessories designed specially for use with this product by Atomberg Technologies. Any such use of parts or accessories may turn the product warranty null and void and may result in personal injury or property damage as well.

SAFETY INSTRUCTION

- Be careful of the fan and blades while cleaning, painting, or working near the fan. Always turn off the power to the ceiling fan before servicing.
- Do not put your hand or any object near the fan blades while the fan is running.
- Do not modify the blade design to change the airflow.
- Product must be used along with the speed control unit/remote provided with the fan. Do not use standard regulator used for ordinary fans.

Warning

- Observe the following to reduce the risk of fire, electrical shock or injury:**
- Use this unit only in a manner intended by the manufacturer. If you have any questions regarding the product please contact the manufacturer.
 - Before servicing or cleaning, switch OFF the main power panel and switch.
 - Wiring of the fan must be done by a qualified and certified electrician only.

FEATURES

- Includes most energy efficient ceiling fan.
- More than 65% energy saving as compare to ordinary fan.
- Silent & energy efficient BLDC motor.
- High Service Value (Air delivery / power consumption) in which is more than 7.
- Fan runs longer on inverter resulting in long battery life.
- Smart design for more reliability.
- Running of fan even after long hours of time.
- Smart speed even at low voltage.
- Speed controls using smart remote.
- Dedication for easy remote use.
- Features to auto-switch off the fan.
- Smart mode reduces the speed after a preset duration & saves energy.
- Parts replacement warranty.
- Aluminum body and blade resulting in NO rust.
- Coated plated parts/accessories for rust free life.
- Protective coating over electronics for better resistance against moisture.
- Every fan is tested for durability in extreme conditions before shipping.

SPECIFICATIONS

Sweep (mm)	900	1050	1200	1400
Input Voltage (V)	140-285	140-285	140-285	140-285
Power Consumption (W)	28	32	28	35
Frequency (Hz)	48-52	48-52	48-52	48-52
Air Delivery (CMH)	200	210	220	270
Rated Speed (RPM)	450	430	380	270
Power Factor	>0.98	>0.98	>0.98	>0.99
Service Value (CMH/W)	7.14	6.56	7.86	7.71
Guarantee (in Years)	3	3	3	3
Regulator	No	No	No	No
Remote	Yes	Yes	Yes	Yes
Timer Mode	Yes	Yes	Yes	Yes
No. of Blades	3	3	3	3

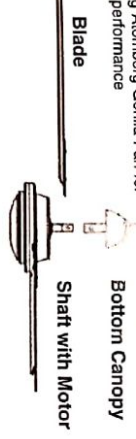
BIG ENERGY SAVINGS

Gorilla with Atom sense technology is India's most energy efficient ceiling fan. A super-efficient BLDC motor technology is used which consumes very less energy and runs almost silently. Gorilla consumes almost 1/3rd power compared with any ordinary fan. There is huge saving potential for house hold and especially to the institutions such as hospitals, colleges, schools and commercial spaces.

INSTALLATION

Assembly

- Mandatory Step:**
 Bypass or eliminate the regulator from the connection before installing Atomberg Gorilla Fan for optimal performance.



Picture shown above depicts the exact order of placement of various parts.

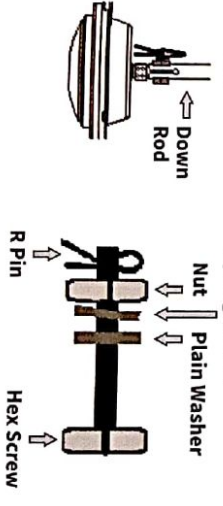
STEP 01

Carefully take out the motor from the box and keep it over soft padding to prevent it from getting scratched. It is advisable to use the padding provided in the packing to be used while keeping the motor on the ground.

STEP 2

Place the down rod provided in the box on the shaft of the motor in the direction provided in the picture.

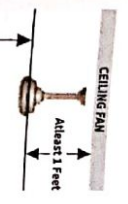
STEP 3



Insert the screw to assemble the shaft and the down rod. Insert washer, nut and R-Pin in the sequence provided in the illustration above.

How to hang the fan ?

STEP 4



Warning
 The fan blade must be hung with atleast 1 feet of clearance from the ceiling for optimal performance & safety.

Any object next to the fan must be atleast 2 feet away from the tip of the fan blade to reduce any chances of risk or injury.

Warning

The fan must be hung with atleast 7 feet of clearance from the floor to the blades

STEP 5

Securely attach the shackle to the hanger or ceiling hook using the screws provided with the package. Fasten the nut and make sure that you put the safety nut, washer and the R-pin to prevent slipping. Adjust the top canopy such that it covers the assembly and the connection.

STEP 5

Align the holes on the blade shank with motor holes. Securely fasten the blades with the screws provided.



Warning

- If the blades are not properly secured with the screws and the washer, then it may cause injury when in operation. Also, any imbalanced fan may cause damage to the motor and reduces the life time of the fan.
- Any damage caused by the incorrect installation and wrong practices followed while connecting fan is not covered under warranty terms. Please check the warranty terms in details.
- Do not start the fan, until the blades are securely fastened to the ceiling fan.

The Company aggregate liability in respect of all claims under the warranty shall not exceed the original purchase price of the product or at Company's option, replacement of the product with like or similar product. The Company excludes all other warranties, conditions, terms, representations and undertakings whether express or implied.

THIS WARRANTY DOES NOT COVER

1. Modification of product not authorized by USHA.
2. Improper use.
3. Change in factory settings of the product.
4. Accident and damage.
5. Usage other than as prescribed by the user manual.
6. Force majeure event like fire, flood and any other act of god.

The Company will not be responsible for delay in servicing due to any force majeure circumstances which are beyond the control of the Company.

Any failure of the product to perform any purpose other than the intended purpose shall not be considered as a default under this warranty.

The Company will not be responsible for defects arising other than that of defective parts and/or arising out of usage other than as stipulated in the user manual or if the claim falls outside the warranty terms.

Except for warranty set forth herein, the Company, until prohibited under the prevailing law, disclaims all other warranty statutory, express or implied.

The warranty provided herein is towards the original purchaser and is not transferable to any third party.

JURISDICTION

This warranty terms shall be governed by laws of India and the courts at Delhi shall have sole and exclusive jurisdiction in relation to any matters and dispute arising under this warranty.

LOOK FOR OUR HOLOGRAM FOR GENUINENESS OR OUR FAN

Every genuine fan has a unique hologram sticker. A hologram sticker is different from an ordinary sticker. Our unique hologram has the following features, which are visible and you can check and ensure that you are buying a genuine Usha product.



Usha' contract/expands when hologram is seen from different angles.



Usha' logo shows different colours when seen from different angles.



Small text of 'GENUINE' and 'USHA' visible by 1x10 a small hand held lens.



Flying bird with moving wings is seen when viewed from different angles.



Lines show multi colour movement, contract and expand when seen from different angles.



20x30 dimensional depth seen in USHA logo.

FAN NO.

S.NO.5018368E1294

MODEL

ELECTRICAL INSPECTION BY

FINAL INSPECTION

MONTH

TO BE FILLED IN AT SALES POINT

NAME AND ADDRESS OF SHOP

4 bare ng class
Neel room

DATE OF SALE

CASH MEMO NUMBER



DEALER SEAL

USHA care

Toll free
1800-1033-111

USHA INTERNATIONAL LTD.

Plot No. 15, Industrial Area, Sector 20, Gurgaon - 122001, Haryana India
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New Delhi - 110001, Delhi India
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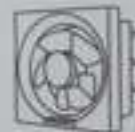
Fans, Sewing Machines, Home Appliances, Engines & Pumps, Electrical Motors & Pumps, Water Coolers & Dispensers, Auto Components



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30, Usha, Park, Industrial Area, Gurgaon
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USHA

INSTRUCTION MANUAL & WARRANTY CARD



CRISP AIR™

Ventilating Fan

ONE YEAR WARRANTY

To ensure Usha product, please check for hologram on the warranty card.

SAFETY GUIDELINES

- Read instruction manual carefully as it gives important indications concerning safety during installation, use and maintenance.
- Ensure all the parts of the appliance are in good condition when removed from the packaging.
- Keep all the parts of appliance out of reach from children and unwell persons. Do not let them use the appliance without supervision.
- Operate the appliance only once properly assembled and installed.
- Never insert finger, pencils or any other object through the fan blades.
- Do not touch the appliance with wet and damp hands.
- Do not disconnect the appliance by pulling the supply cord or the appliance lead. This may damage the appliance or supply cord, causing electric shock or fire.
- Disconnect the appliance wire cleaning.
- The Device should be properly earthed.
- In the event of appliance failing to operate, all repairs must be undertaken by company-approved service center.
- The appliance should not be operated with an inverted fan.
- If the supply cord is damaged, it must be replaced by manufacturer or its service agent or similarly qualified person in order to avoid a hazard.
- For domestic and indoor use only.
- Always keep the instruction manual and warranty card in a safe place.

Crab Air™ Ventilating Fan 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 appliance by a person responsible for their safety.

INSTALLATION

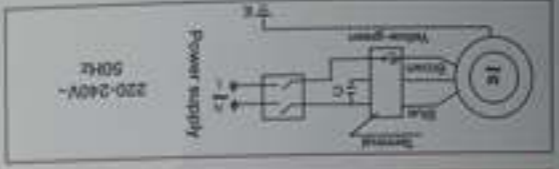
- Make a wooden frame with inner size as dimensions shown in the table, the width of the wooden frame should be not less than 20mm and depth should be a little less than the wall thickness. Then cut a mounting hole on the wall to fit the wooden frame, put the frame into the wall and seal with cement.
- Tear off the sealing strip on the shutter at back side, remove the panel by pulling the bottom buckle upward, fix the fan body into the wooden frame with the self-drilling tapping screw (the panel should be toward the interior and shutters downward).
- Assemble the front panel to the fan body.

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
150mm	110	240	125	78	58		
200mm	200	300	243	94	74		
250mm	250	345	290	94	41		

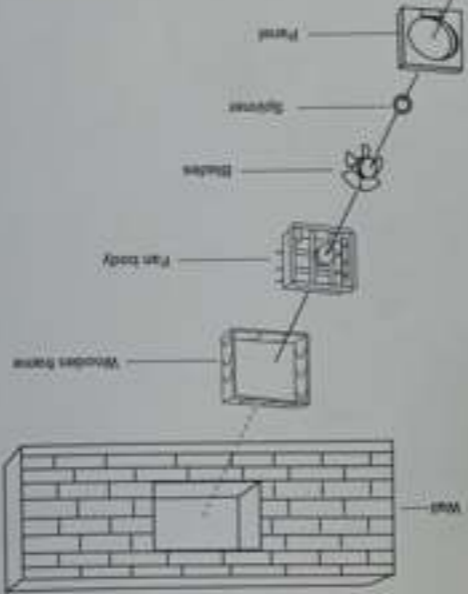
PERFORMANCE

Speed (RPM)	Power (Watt)	Speed (RPM)	Voltage
1500	30	1280	220 V 50 Hz
2000	40	1250	
2500	45	1280	

WIRING DIAGRAM



INSTALLATION DIAGRAM



CLEANING

- Always disconnect the power cord from the socket before carrying out any cleaning operation.
- Use a moistened cloth (NOT WET) to remove dirt from the plastic and metal surfaces.
- Never allow to use petrol, benzene or any other chemicals to clean the fan.
- Never allow to immerse the blades or other main parts of fan in hot water over 50°C.

TERMS

The product is warranted for 1 Year against all manufacturing defects from the date of sale. In the event of any complaint, please contact Lima Care at Toll Free No. 18001032111.

THE WARRANTY IS VALID ONLY WHEN:

- The product has been installed, used and maintained in accordance with the instruction manual.
- The sale receipt or duly filed and stamped warranty card by authorized representative of USHA Company, showroom, or USHA distributor, or USHA retailer, or USHA vendor or Lima Channel Partner is presented at the time of the complaint.
- The product has not been opened or tampered with by any unauthorized person.

THIS WARRANTY DOES NOT APPLY FOR:

- Damage caused due to normal wear and tear of parts, chipping, peeling, pitting and denting of the product.
- Damages resulting from accidents, mishandling or negligence on part of the customer.

This warranty is valid only when the failure of the product does not arise due to use for any unintended purpose. A defective product/part will be repaired within the warranty period provided it is properly packed. The Company price will be charged for worn out or broken parts not covered under warranty. The claims for missing parts should be notified within 30 days from the date of purchase of the product or within such time frame as Company may deem fit according which the claim shall stand denied.

LIMITATION OF LIABILITY

In no circumstances the Company shall be liable for any special, direct, incidental, exemplary or consequential loss or damages, including loss of profit, loss of use, loss of revenues even if such loss or damages could have been reasonably foreseen at the time of purchase of the product or at the time of use of the product. The Company shall not be liable for any special, direct, incidental, exemplary or consequential loss or damages, including loss of profit, loss of use, loss of revenues even if such loss or damages could have been reasonably foreseen at the time of purchase of the product or at the time of use of the product.