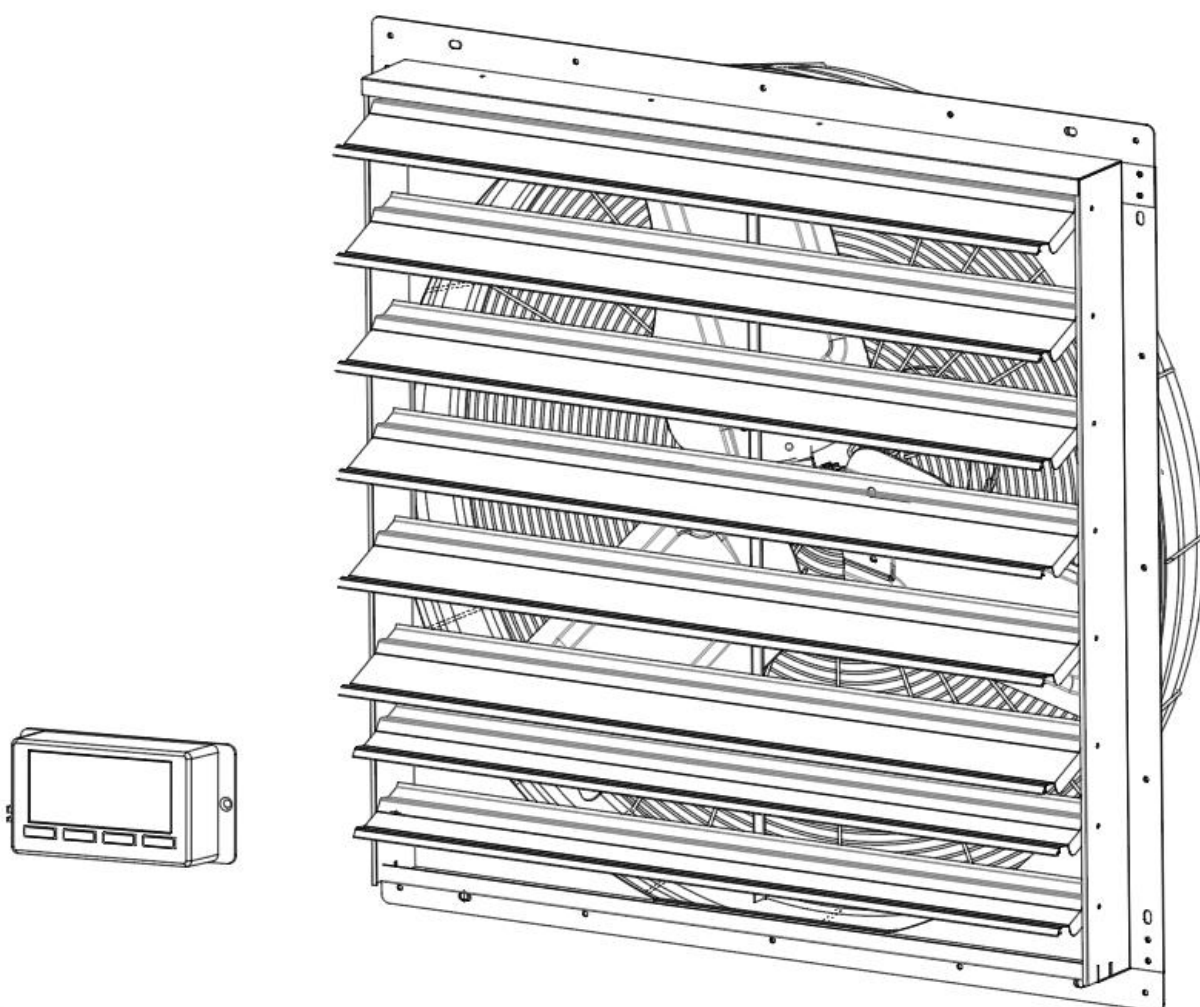




BLDC SHUTTER FAN

OWNER'S MANUAL

Models: ILG8SF24V-DC, ILG8SF30V-DC, ILG8SF36V-DC



PLEASE READ AND SAVE THESE

INSTRUCTIONS

PLEASE READ AND SAVE THESE INSTRUCTIONS. READ CAREFULLY BEFORE ATTEMPTING TO ASSEMBLE, INSTALL, OPERATE, OR MAINTAIN THE PRODUCT DESCRIBED. PROTECT YOURSELF AND OTHERS BY OBSERVING ALL SAFETY INFORMATION. FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE! RETAIN INSTRUCTIONS FOR FUTURE REFERENCE.

BEFORE YOU BEGIN

WARNING!

Installation, troubleshooting, and replacement of parts are to be performed only by authorized service technicians.

Electrical Requirements:

- The motor's amperage and voltage ratings should be checked to ensure compatibility with the supply voltage before making the final electrical connection, as indicated on the motor's nameplate label.
- Wiring must conform to local, state, and national codes.

Tools / Materials Needed (Not Included) :

- Mounting Fasteners (8)
- Sealant or Caulk
- Regular Screwdriver Set

UNPACKING

Contents:

- Shutter Mounted Exhaust Fan, Control Box, USB Cord
- Owner's Manual

Inspect:

- Upon unpacking the fan, carefully inspect it for any damage that may have occurred during transportation. Check for loose, missing, or damaged components.
- Check all bolts, screws, set-screws, etc., for any looseness that might have occurred during transportation. Tighten them as necessary. Rotate the propeller manually to ensure it turns freely.
- Refer to the Important Safety Instructions on page 3, as well as the Cautions and Warnings.

IMPORTANT SAFETY INSTRUCTIONS

WARNING – TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. Use this BLDC shutter fan only in the manner intended by iLiving. If you have questions, contact our service center by calling 1-800-317-1688.
2. Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
3. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
5. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.

General Safety Information

1. Do not depend on any switch as the sole means of disconnecting power when installing or servicing the fan.
2. Always disconnect, lock out, and tag out the power source before installing or servicing. Failure to disconnect the power source can result in fire, electric shock, or serious injury.
3. Do not place body parts or objects in the fan or motor openings while the motor is connected to the power source.
4. CAUTION - For General Ventilating Use Only. Do Not Use to exhaust Hazardous or Explosive Materials and Vapors.
5. All electrical connections should be made by a qualified electrician.
6. Follow all local and state/provincial electrical and safety codes in the United States and Canada, as well as the National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA) in the United States and the Canadian Electric Code (CEC) in Canada.
7. Always disconnect the power source before working on or near a motor or its connected load.
8. Ensure that the power source conforms to the requirements of your specific exhaust fan model. The fan frame and motor must be electrically grounded to a suitable electrical ground, such as a grounded water pipe or ground wire system.
9. The discharge air is to be directed to the building exterior.
10. Not for use in kitchens.
11. Do not install in a cooking area.

INSTALL IN INTERIOR WALL.

CAUTION - MOUNT WITH THE LOWEST MOVING PARTS AT LEAST 8.2 ft (2.5 m) ABOVE FLOOR OR GRADELEVEL.

CAUTION: HOT SURFACE. AVOID CONTACT.

WARNING - For indoor use only.

WARNING - To reduce the risk of electric shock, do not expose to water or rain.

WARNING - To Reduce the Risk of Fire or Electric Shock, Do Not Use This Fan With Any Solid-State Speed Control Device.

WARNING - To Reduce The Risk Of Fire, Electric Shock Or Injury To Persons, Do Not Use Replacement Parts That Have Not Been Recommended By The Manufacturer (e.g. Parts Made At Home Using A 3D Printer).

Suitable for commercial or industrial use.

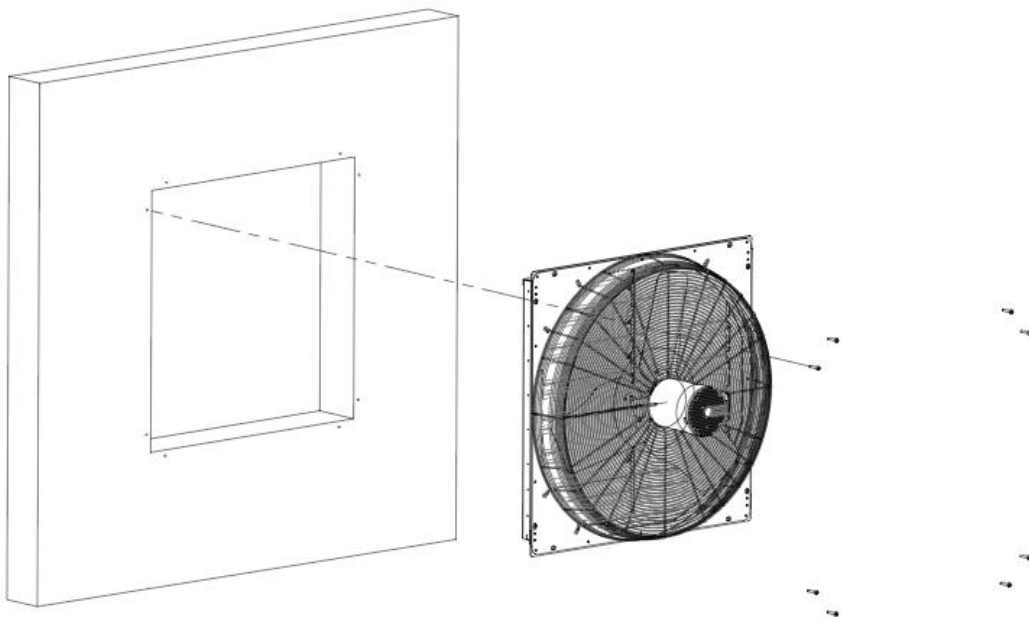
INSTALLATION INSTRUCTIONS

1. The unit should be only securely mounted in a rigid framework.

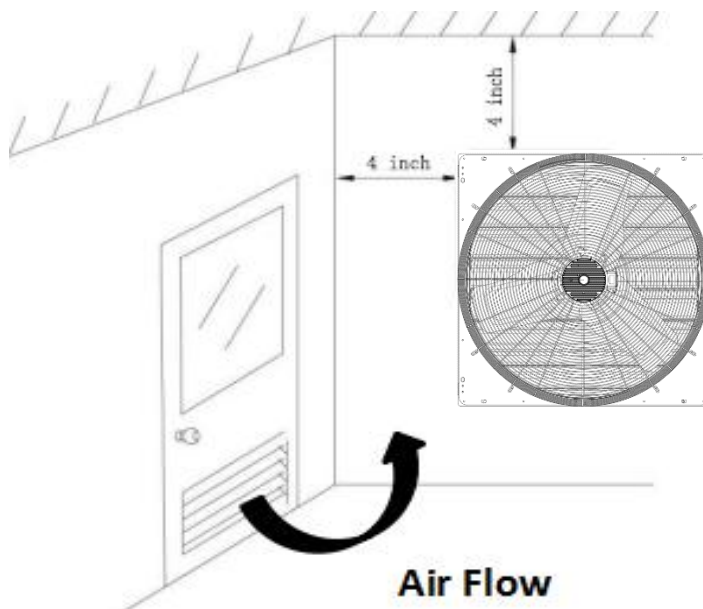
NOTE: Allowing the fan frame to flex or move will result in excess vibrations, which may cause possible premature motor, propeller, or shutter failure.

 **Fan frame and motor must be securely and adequately grounded to a suitable electrical ground, such as a grounded water pipe or ground wiring system.**

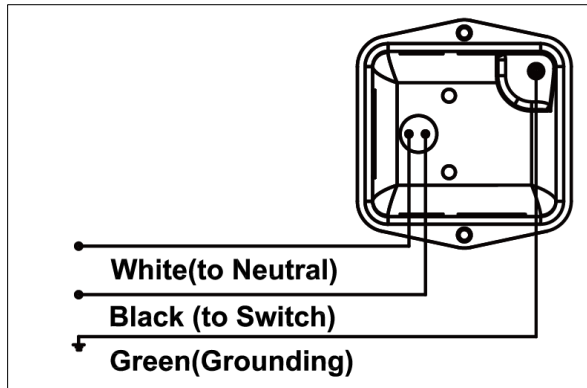
2. Install the shutter fan through 8 holes with screws. **(Screws are not included.)**



3. Please ensure the space has a gap for enough air to get into the space. The fan installed on free space of at least 4 inches above the upper edges of the corner.

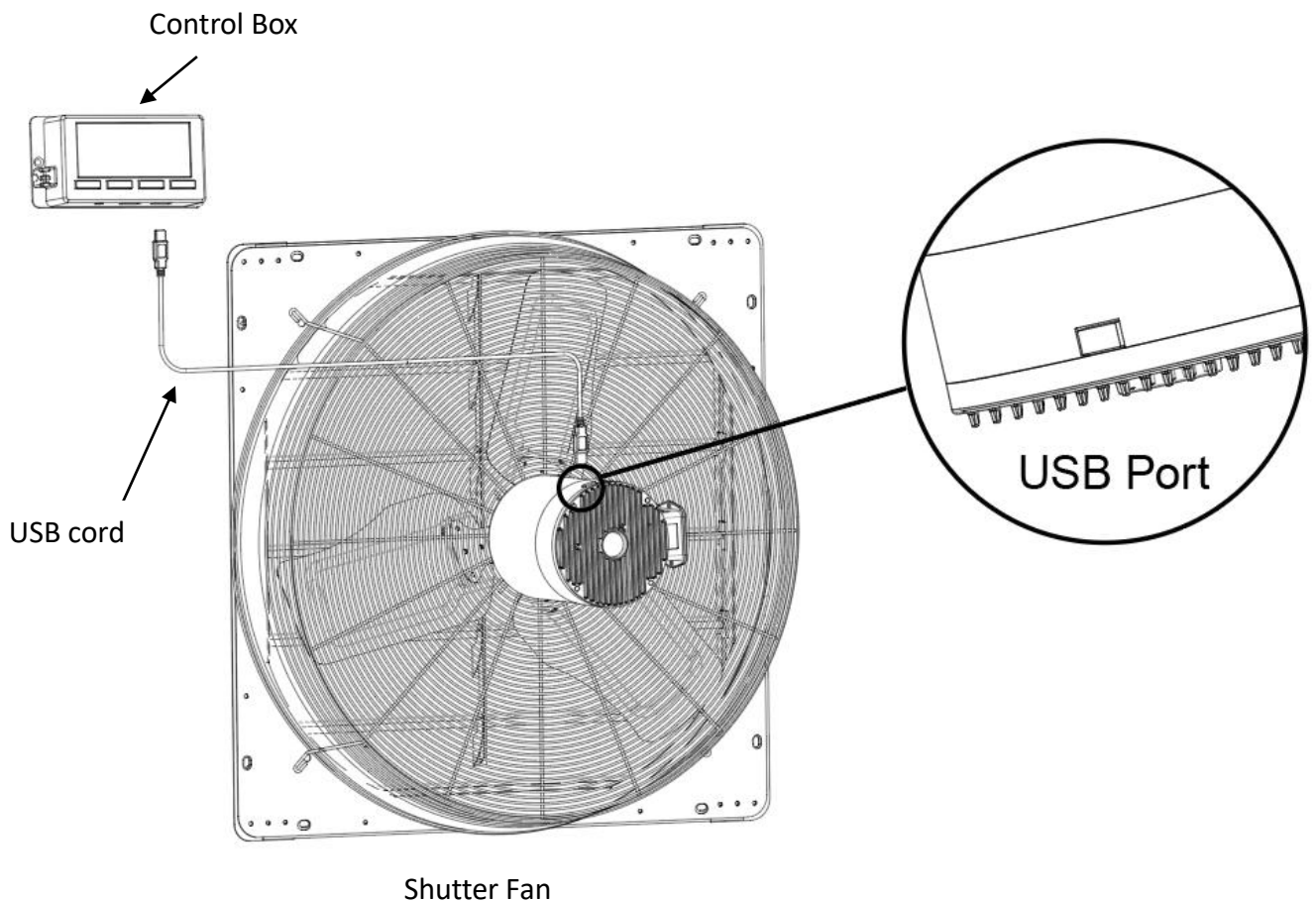


4. Connect power to the motor using an approved wiring method. Refer to the following wiring diagrams.



CAUTION: When powered on without the control box connected, the BLDC shutter fan will keep running. Strongly recommend connecting the control box.

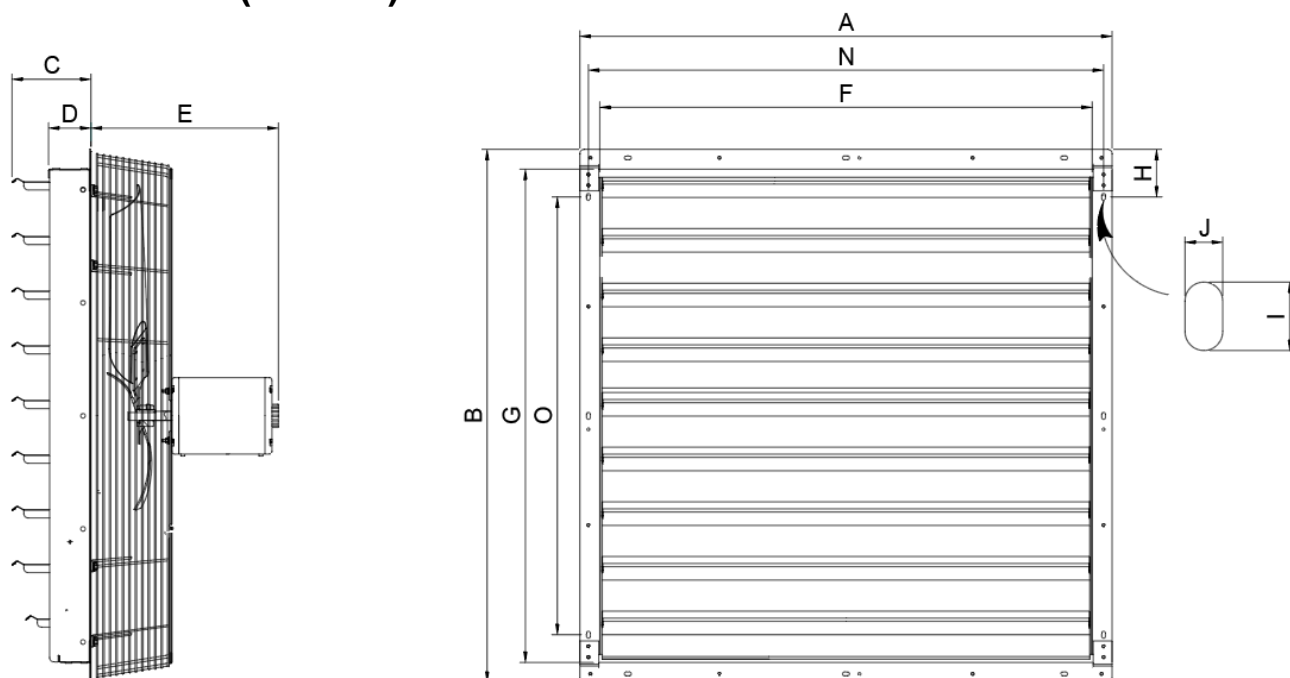
5. Plug the USB cord to connect with the control box.



6. Mount the control box on the wall no more than 2.5 meters away from the exhaust fan. **(Screws are included.)**

Power source	120V, 60Hz
Mounting Position	Vertical
Frame Material	Galvanized Steel
Shutter Blade Material	Aluminum Alloy
Propeller Material	Aluminum Alloy and Galvanized Steel
Agency Compliance	UL 507 & CSA C22.2 No. 113

Dimensions (Inches)



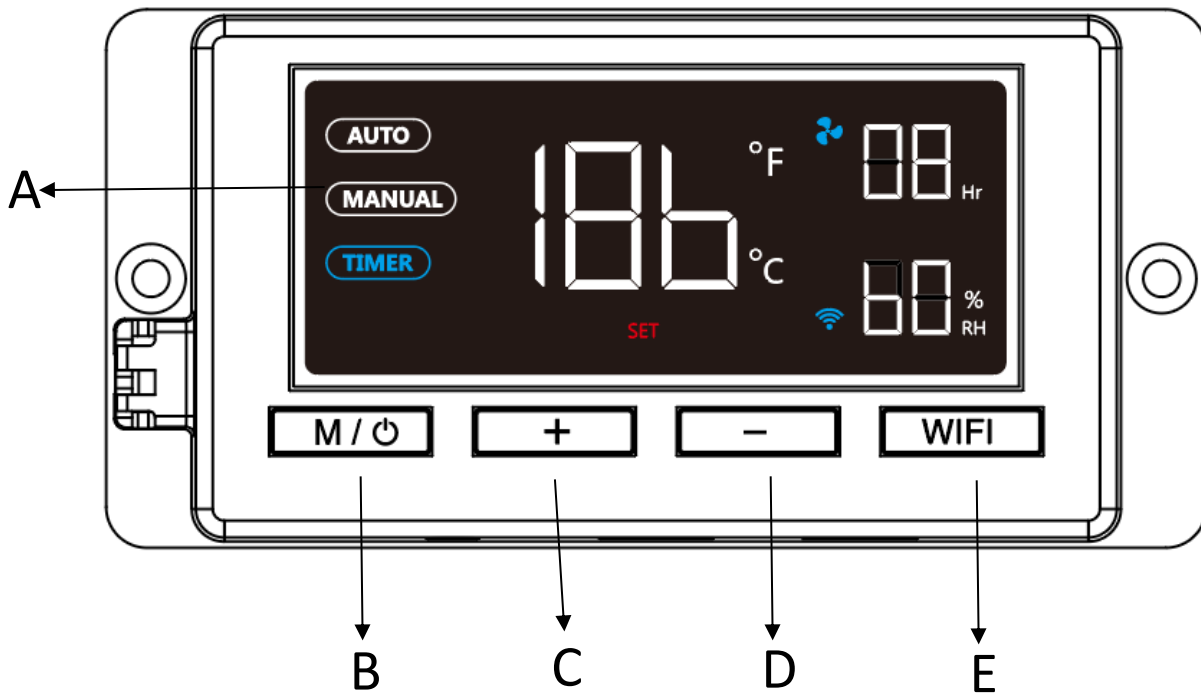
MODEL	Prop. Dia.	A	B	C	D	E	N	G	F	O	H	J	I	Suggested wall opening (Sq)
ILG8SF24V-DC	24"	27"	27"	5 3/4"	2"	11"	25 21/32"	24 1/8"	24 1/8"	20 1/32"	3 17/32"	9/32"	1/2"	25"
ILG8SF30V-DC	30"	33"	33"	5 3/4"	3"	13 3/32"	31 5/8"	30 1/8"	30 1/8"	26"	3 17/32"	9/32"	1/2"	31"
ILG8SF36V-DC	36"	39"	39"	5 3/4"	3"	13 11/16"	37 21/32"	36 5/32"	36 5/32"	32"	3 17/32"	9/32"	1/2"	37"

Performance

Model	ILG8SF24V-DC	ILG8SF30V-DC	ILG8SF36V-DC
Voltage	120	120	120
Frequency	60	60	60
Wattage	230	300	500
AMPS	3	3.8	5.8
RPM	1085	850	850
CFM	4244	5088	6128

OPERATING INSTRUCTIONS

1. Keep the area free of objects that could impede airflow on both the intake and exhaust sides of the fan.
2. For proper exhaust operation, a window, door, or louver should be opened for fresh air intake on the opposite side of the area to be ventilated.
3. Connect the power plug to any standard 120-volt AC outlet.
4. Control Box



- A. LED display
- B. Power ON/OFF & Mode button
- C. Increase button
- D. Decrease button
- E. WIFI button

About the Power ON/OFF & Mode button

To turn on the shutter fan, press the **M / ⏻** button; the LED display will turn on and the shutter fan will wait in AUTO Mode.

Press the **M / ⏻** button to toggle between the different modes:
AUTO / MANUAL / TIMER / Power OFF.

Press the **M / ⏻** button for 3 seconds can also Power off the fan.

● ATUO Mode

AUTO mode is a computerized mode to optimize energy efficiency. It will programmatically select fan speed between 12 and 8 to cool down the room to the desired temperature and humidity in the most effective way.

When the room temperature drops to $\leq$ the set temperature - 2~3 °F, the fan stops running. When the room temperature rises to $\geq$ the set temperature + 2~3 °F, the fan will turn on. As the same with humidity.

When the room humidity drops to $\leq$ the set humidity - 2~3 %, the fan stops running. When the room humidity rises to $\geq$ the set humidity + 2~3 %, the fan will turn on.

AUTO mode is the environmentally friendly operating mode

Setting the room temperature

At AUTO mode, it will display the factory default setting temperature 80 °F, and humidity 70%. You can press the **+** or **-** button to set your desired temperature between 50°F - 99°F.

Setting the humidity

To set the humidity, press and hold the **M / ⏻** button and then press the **WIFI** button for 3 seconds. The factory default setting is 70%, you can press the **+** or **-** button to set your desired humidity between 30% - 90%.

Display the set temperature

The display shows the room temperature all the time. By pressing the **+** or **-** button, the set temperature will display for 3 seconds. It will return to room temperature after 3 seconds.

Display the set humidity

The display shows the room humidity all the time. By pressing the **WIFI** button, the set humidity will display for 3 seconds. It will return to room humidity after 3 seconds.

● MANUAL Mode

The manual mode is autonomous mode, and the fan will stop detecting the temperature and keep on blowing.

In manual mode, pressing the **+** or **-** button can increase or decrease the fan speed. The fan speed can be adjusted between 0 and 12.

● TIMER Mode

Press the **TIMER** button to set the Timer. The default value is 3 hours. The timer can be set from 0 to 24 hours. The fan will shut OFF automatically when the set time is reached.

To turn the timer OFF, pressing the **—** button to set the time to 0. The timer feature will turn off when the LED stops flashing.

In Timer mode, pressing the **+** or **—** button to increase or decrease the setting time.

Display Celsius

To display Celsius, press and hold the **+** button and **—** button for 3 seconds. To change back to Fahrenheit, press and hold the **+** and **—** button again for 3 seconds.

Memory Function

This shutter fan has a memory function that preserves the speed setting when powered off using the **M / ⏻** button. In the event of a power outage, if the fan was running at maximum speed, it will automatically resume operating at that speed once power is restored. The memory function registers the last operating speed.

About the WIFI button

This shutter fan has a WIFI function. You can control the shutter fan with your phone by connecting it to the shutter fan WIFI.

[WIFI connection]

Press the WIFI button, the WIFI LED will flash while connecting with your phone. When the WIFI connection is succeed, the led will always light up.

Now you need to download the corresponding mobile app, and follow the steps below.

App: **Smart Living**

Compatible systems: **IOS, Android**

Work environment: **Requires Wi-Fi (needs Wi-Fi network name and password)**

[APP Installation]

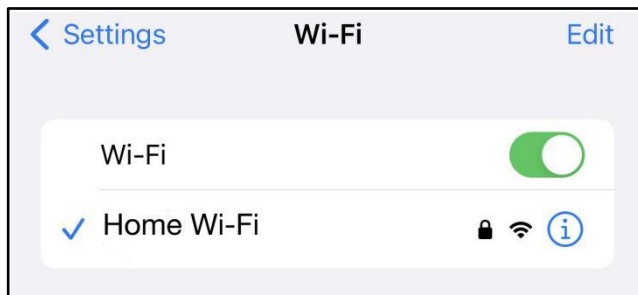


Smart Living

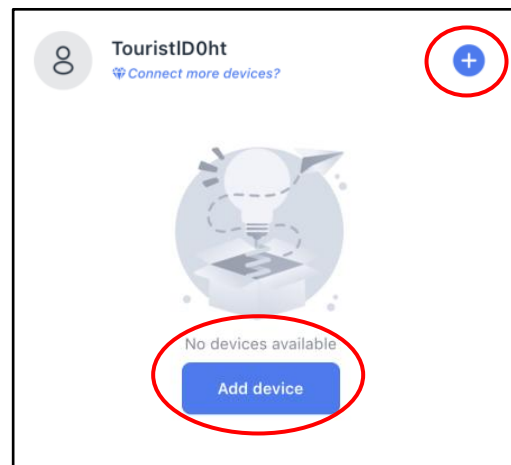
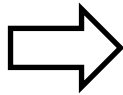


[Steps]

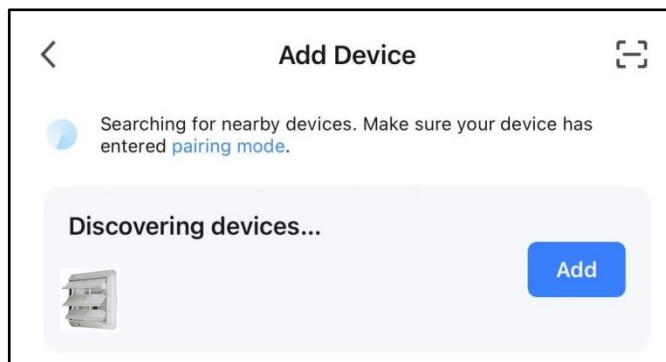
1. Connect to Wi-Fi on your phone and note the username and password separately.



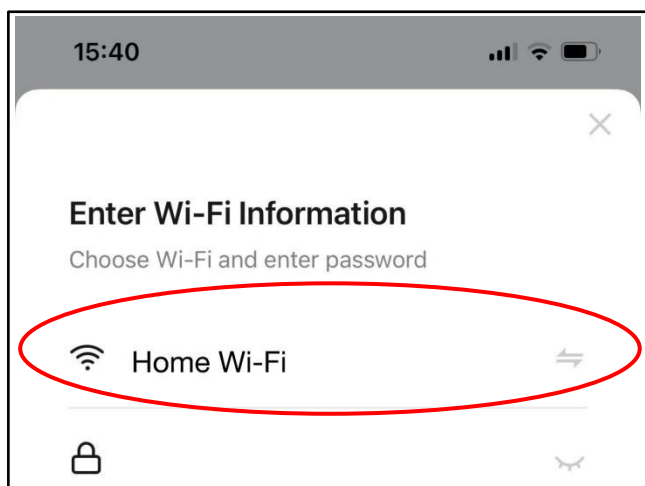
2. Open “Smart Living” APP, click the “Add Device” button in the middle of the page or the “+” (plus) button on the top right corner.



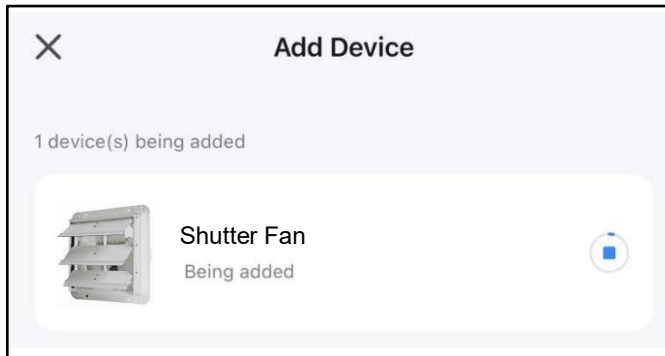
3. Wait for a second, the icon of “Discovering devices...” will appear on the screen. Click the “Add” button to create a new appliance on the right of “Discovering devices...”.



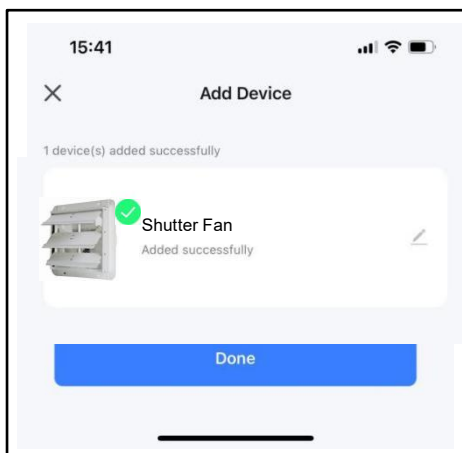
4. Click the Wi-Fi option same as step 4 and enter the password.



5. Click the “next” button and hold on a second to record the information you entered.



6. After recording, you may see the appliance as below. Then click the “Done” button.



7. Now you can get started to control the shutter fan with your phone.

[WIFI disconnection]

Press the WIFI button until the WIFI LED turns off, now the WIFI is disconnected.

MAINTAINANCE

1. Unplug the appliance before servicing.
2. Periodically clean off accumulated dirt from the propeller, guard, motor, and shutter.



Do not depend on any switch as the sole means of disconnecting power when installing or servicing. If power disconnect is not visible, utilize OSHA Lock out/Tag out procedure.



Failure to do so may result in fatal electrical shock. Employ proper lock-out/tag-out procedures when performing maintenance.

TROUBLESHOOTING

Symptom	Possible Cause(s)	Solution
Excessive noise	Loose propeller	Tighten set screws on propeller hub.
	Bent or damaged propeller	Replace propeller
	Loose guard assembly or motor fasteners.	Tighten as required to 15-20 lbs. per inch.
Fan inoperative	Blown fuse or open circuit breaker	Replace fuse or reset circuit breaker
	Defective motor	Replace motor
	Switch in OFF position	Turn switch ON
Insufficient air flow	Blocked intake or exhaust opening	Clear intake and exhaust openings of any obstructions. Clean motor, guard, propeller, and shutter assembly. Increase the opening of the fresh air intake.
	Low voltage	Check electrical wiring.
	Speed control set too low	Increase speed with controller

Warranty Information

This product comes with a 1-YEAR LIMITED COMPONENT WARRANTY. If your unit does not appear to be working properly, please contact our service center by calling 1-800-317-1688. Prior to your call, we encourage you to visit our service related website www.ilivingusa.com for troubleshooting tips and service instructions if needed.

Register your product at our website:



Or visit iLivingUSA.com/register-product

Feedback

Love it? Help us make the product more for you.



Let us know with a customer review.

Please visit: <https://www.amazon.com/review/review-your-purchases#>

At iLiving USA, we are committed to bringing top quality products to our customers.

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