



Installation, Operation & Maintenance Manual

IDF-2™



NOTICE: This product is to be used only as directed. Read entire manual before use. Do not use unless properly installed.



Thank you for purchasing an IDF-2™ air ionization system from GPS Air.

What's Included

Before you start, confirm the contents of your shipment. Each IDF-2™ will consist of the following:

1. IDF-2 air ionization system
2. Installation, Operation & Maintenance Manual
3. Remote Control

Not Included

1. Electrical wiring, junction box, or receptacle to provide power to the IDF-2
2. 1/2" trade size conduit fitting or grommet for incoming power connection

As part of the installation process, a Startup Document should be completed. For the latest version of the document, visit our website or utilize the QR code.

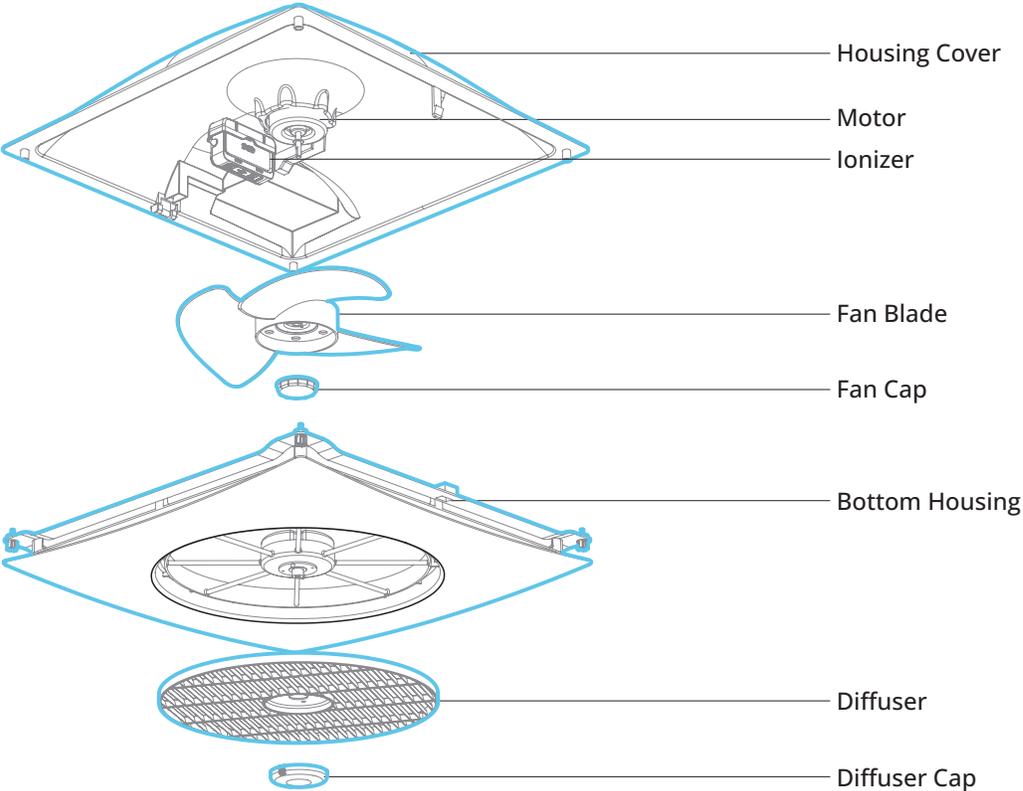


Location



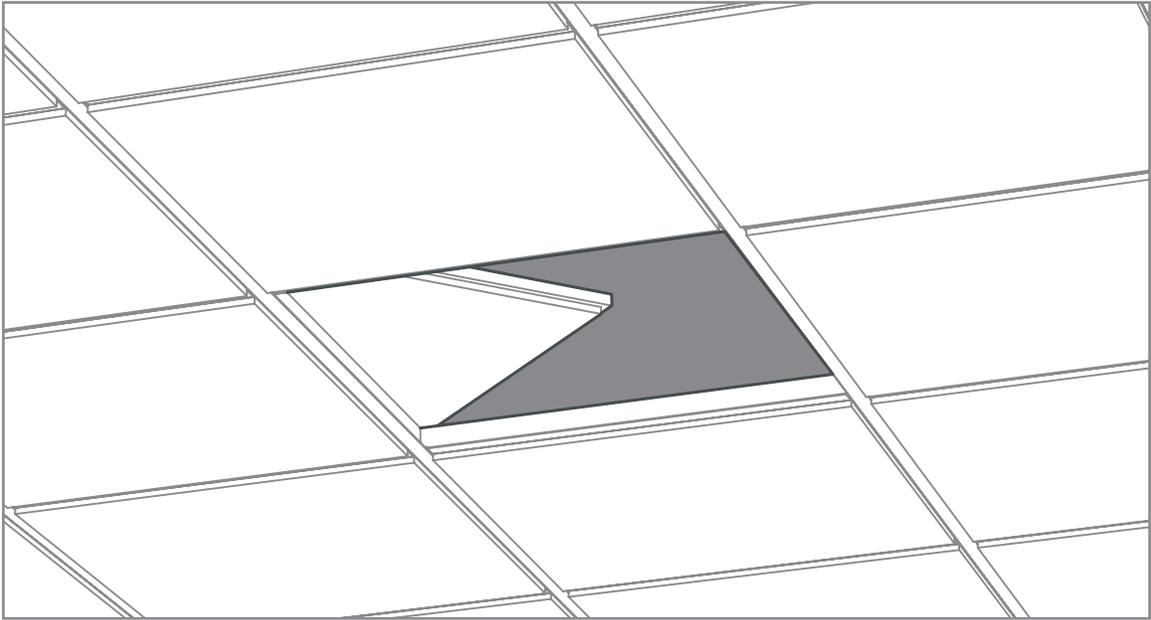
- Please read the operation manual before use.
- The IDF-2 shall be installed such that it is at least 7.5' above the floor.
- The IDF-2 is to be mounted on a suspended ceiling system (24" x 24") that can fully support its weight (11.5 lbs).
- For non drop ceilings use the ceiling box mount accessory (sold separately).
- Do not insert hands or materials into the diffuser grille or touch the fan when the tile fan is running.
- To avoid the risk of shock, disconnect the electricity before cleaning.
- Installation must be in accordance with local electrical wiring regulations.
- Regularly clean and maintain the fan.
- Handle remote controller with care.
- Do not allow anything to obstruct the fan or diffuser grille.
- Installation and maintenance must be performed by a trained professional.
- Children should be properly supervised to ensure that they do not come into contact with the appliance.

Parts List

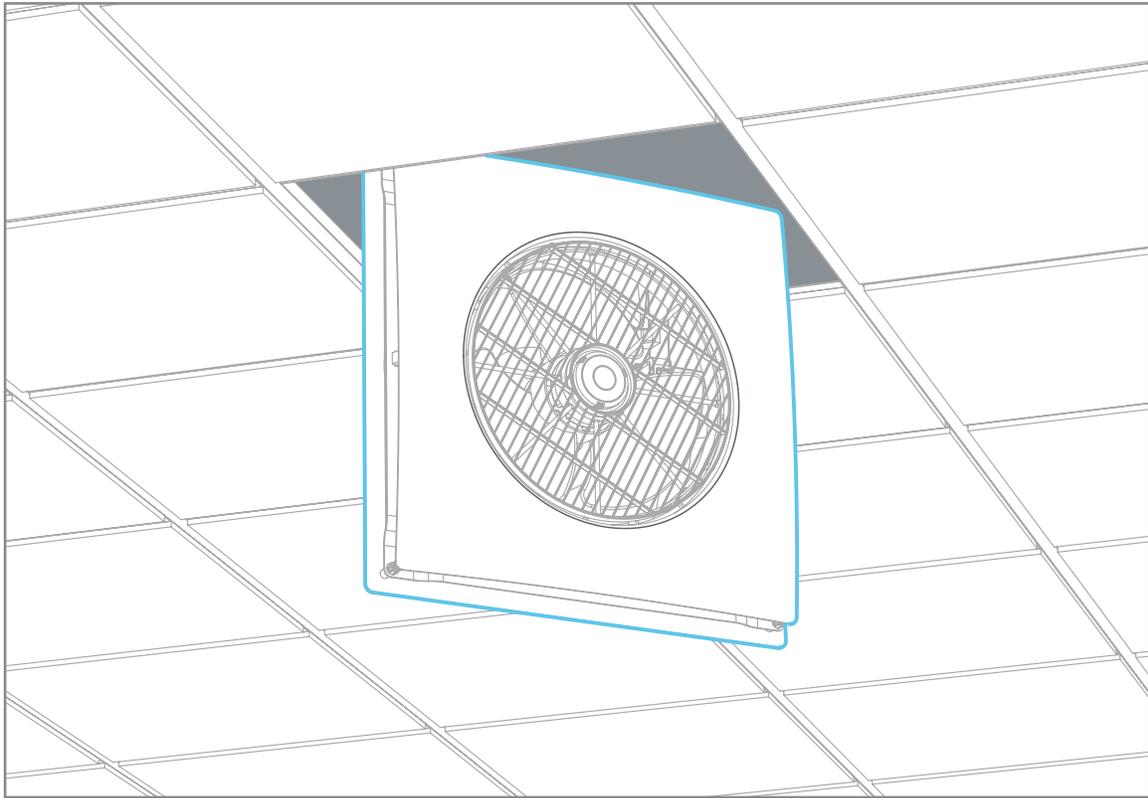


Installation

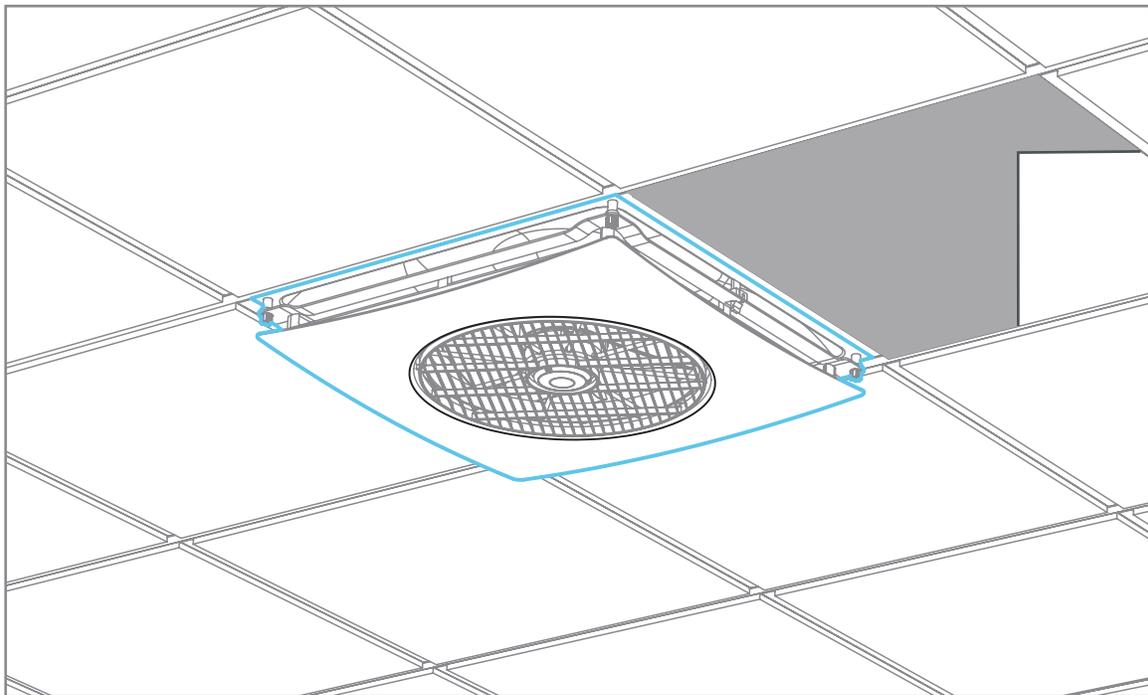
1. Remove the ceiling tile where the IDF-2 will be installed.



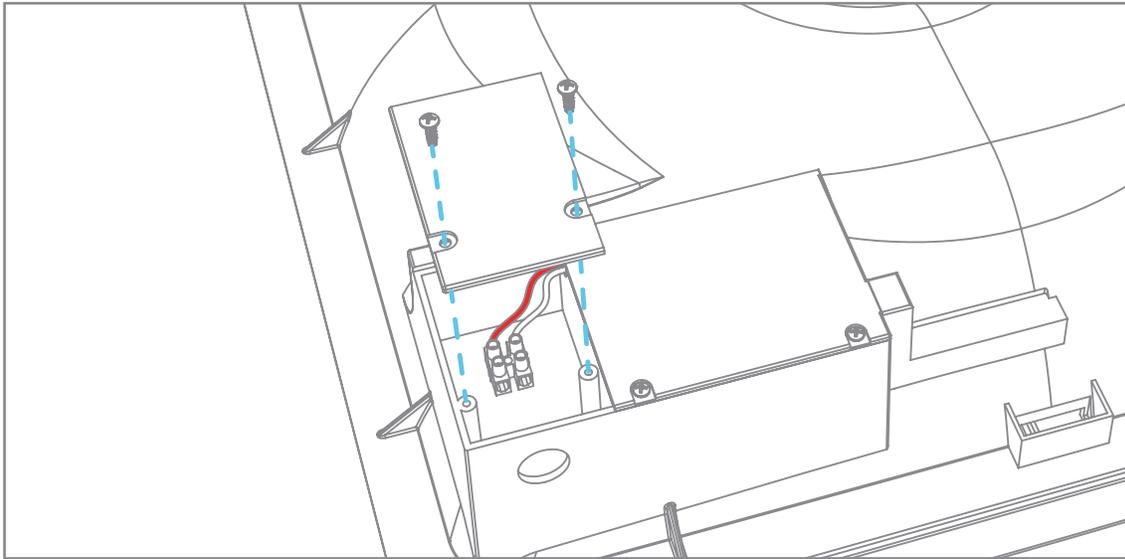
2. Insert the IDF-2 diagonally through the opening and place gently onto the 2' x 2' ceiling frame.



3. Slide the adjacent ceiling tile away to allow easy access to the terminal block.

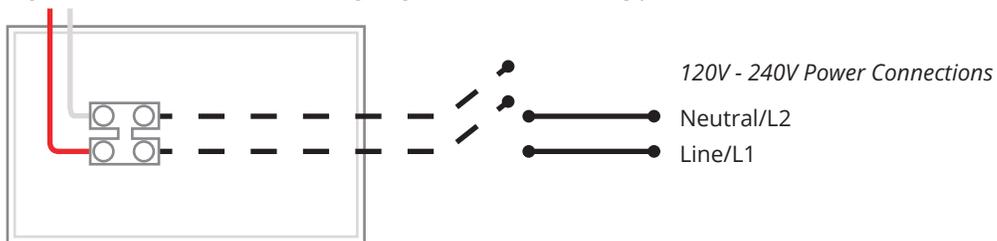


4. Remove the terminal block cover with a Philips-head screwdriver. Keep screws for reassembly.



Wiring

1. The IDF-2 requires a 120-240 VAC power source.
2. GPS recommends the IDF-2 be connected to a switched power source such as a lighting circuit.
3. If wiring to a non-switched circuit, a means of disconnecting power from the fan is required.
4. Using a 1/2" trade size conduit fitting or grommet on incoming power wires, connect as follows:



5. Reattach the terminal block cover.

 **Caution:** the ionizer secondary voltage is +/- 3.5kV

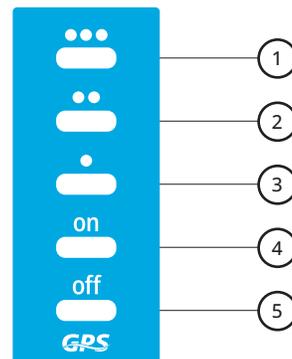
Operation

-  **BEFORE USE, BE SURE:**
- There are no foreign objects inside the circulating fan.
 - The power is connected.
 - The circulating fan is installed securely.

REMOTE CONTROL FUNCTIONS:

1. Speed: High
2. Speed: Medium
3. Speed: Low
4. Power: On
5. Power: Off

 The fan will begin to spin each time it powers up. Ensure all guarding is installed before powering up the appliance.



Note: The remote control can be used to operate a single fan system or multiple fans at the same time.



Ionizer Cleaning Cycle

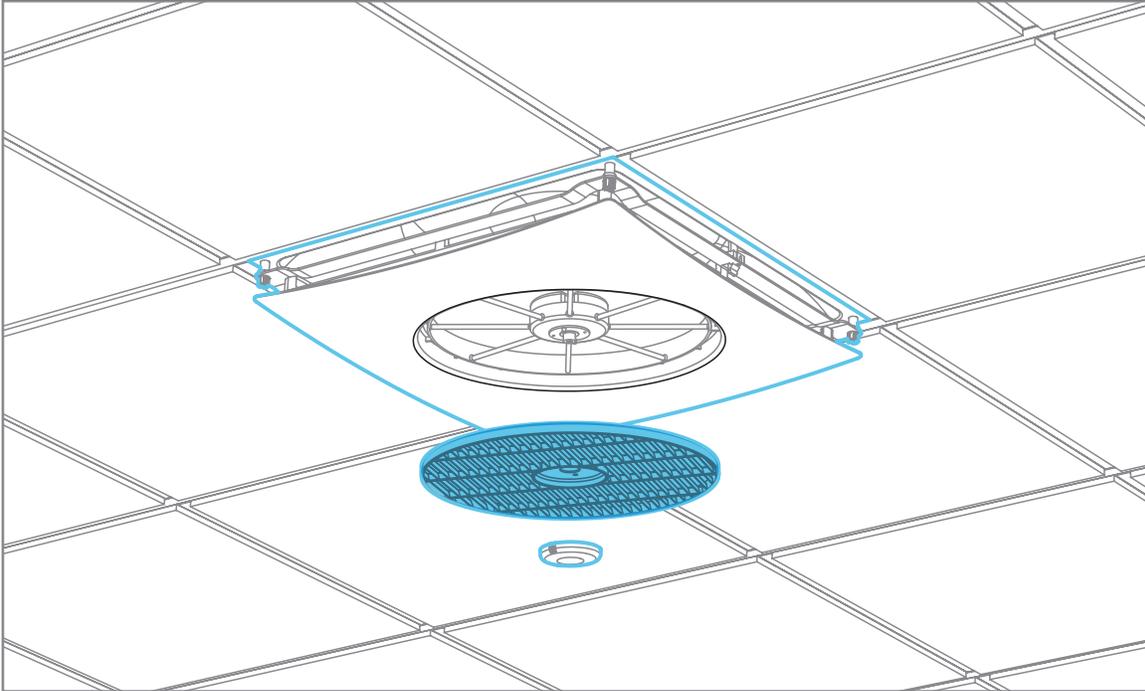
The ionizer in the IDF-2 comes with a preset cleaning cycle designed to clean the emitters twice per day.

Cleaning and Maintenance

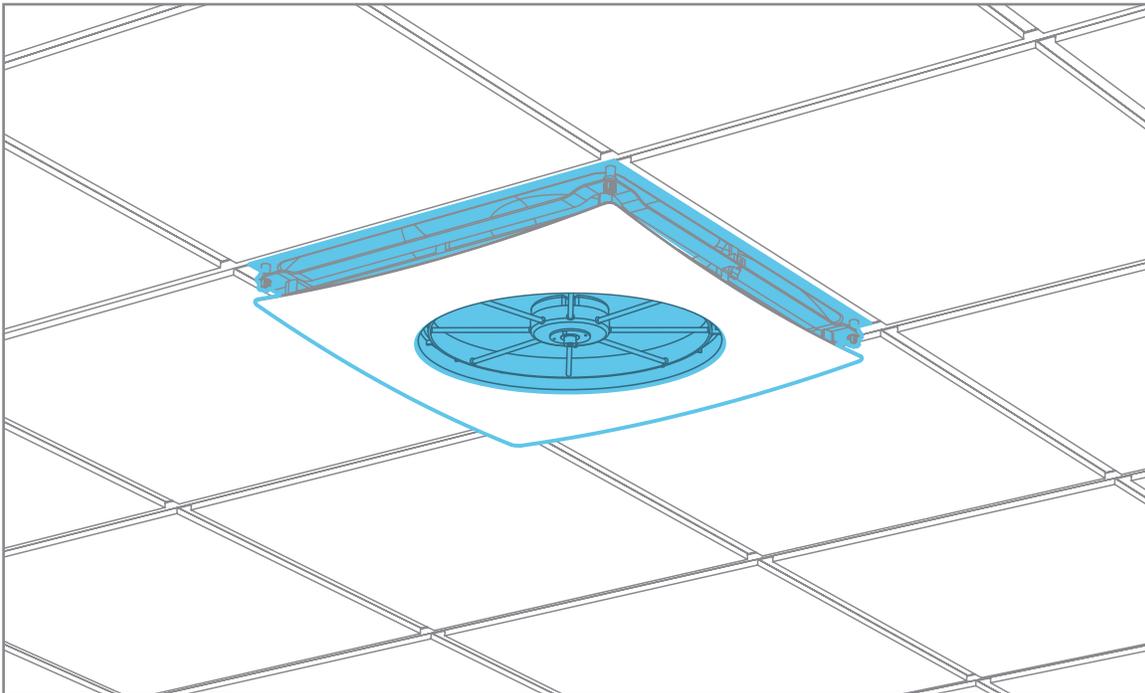


Cleaning and maintenance should only be performed by qualified personnel

1. Ensure that the IDF-2 is powered off
2. Support the diffuser with one hand while removing the difuser cap (turn counter clockwise). Once removed use a clean cloth to wipe the diffuser (highlighted in blue).

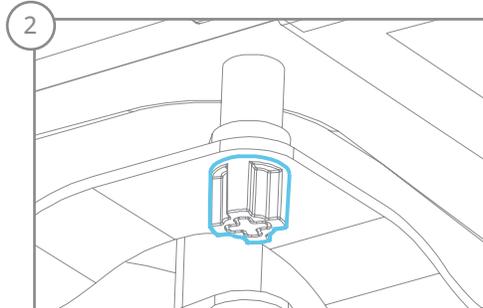
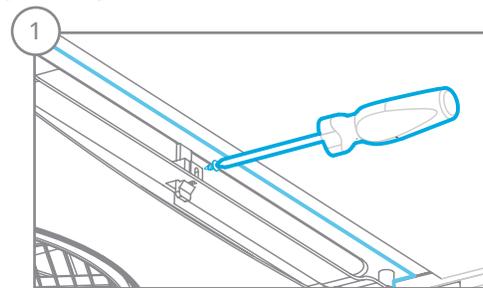
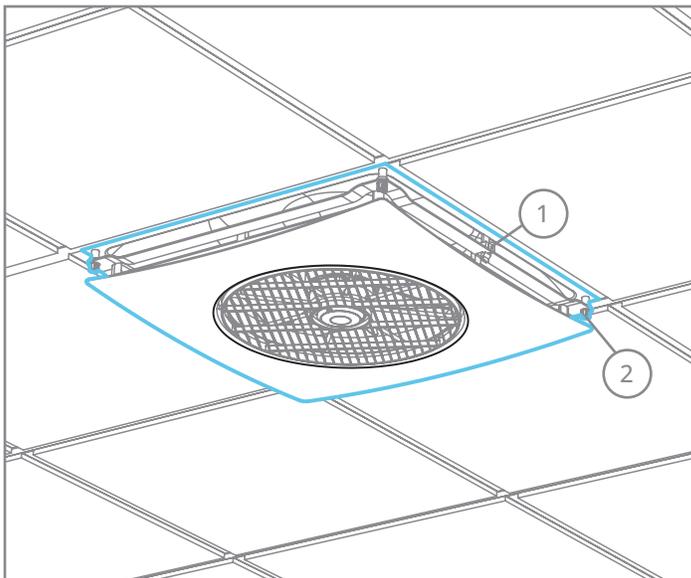


3. Use a clean cloth to wipe the area highlighted in blue (shown in the figure below).

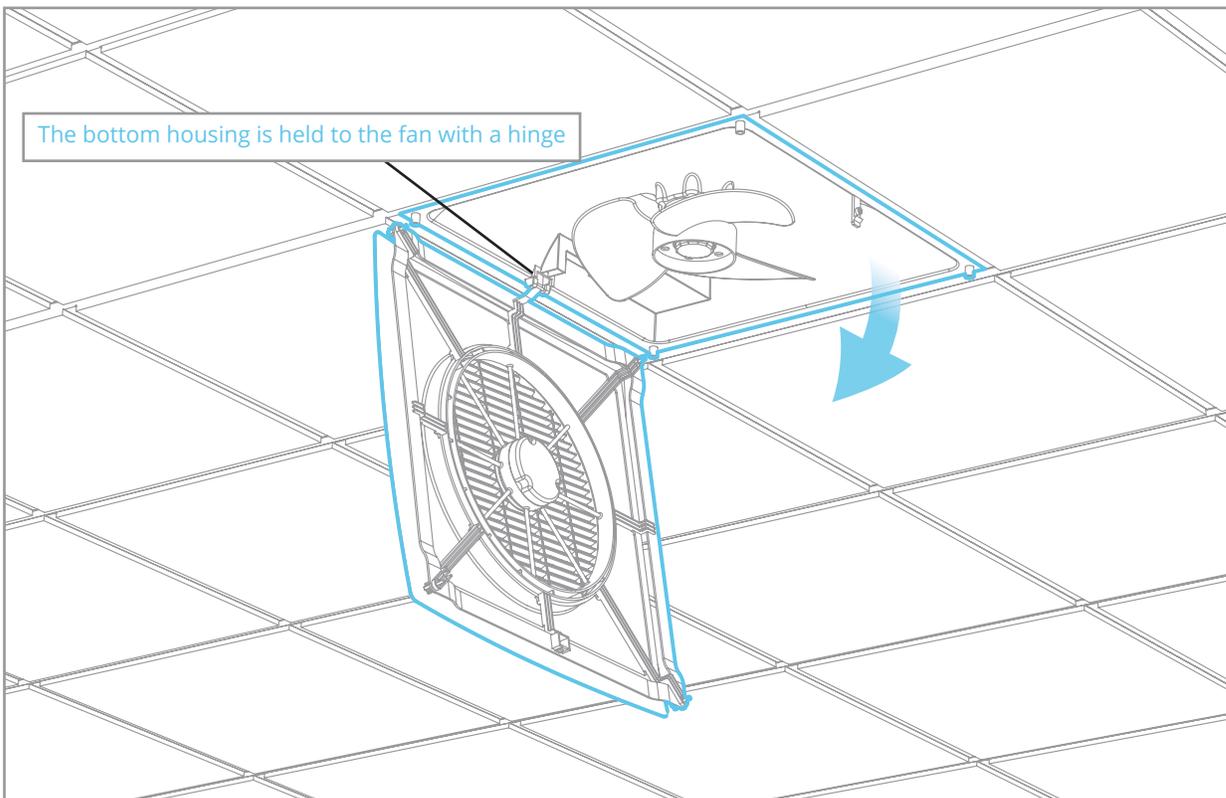


4. Remove the bottom housing for access to the fan blades.

- ① Use a Philips-head screwdriver and remove the screw located on the side of the fan.
- ② Remove 4 thumb screws located on each corner of the fan by rotating counter clockwise.



5. Once the screw and 4 thumbs screws are removed gently allow the bottom housing to rotate downwards. Use a clean cloth to wipe any visible dust and debris.



6. Reassemble in reverse order being careful to not cross thread the thumbscrews.

Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTIONS
Remote does not operate fan (Fan does not rotate)	IDF-2 disconnected from power	Check power and plug
	Remote control indicator light does not work	Replace battery
	Signal receiver malfunction	Contact GPS representative for additional assistance
	Remote controller malfunction	Contact GPS representative for additional assistance
Air movement fan does not operate	Main fan motor malfunction	Contact GPS representative for additional assistance
Diffuser grille does not operate	Diffuser motor malfunction	Contact GPS representative for additional assistance
Fan makes unusual noise	IDF-2 is vibrating / out of balance	Ensure IDF-2 is installed correctly
	Diffuser grille is in contact with main body	Check and if necessary reattach the diffuser grille
	Loose fan cap	Tighten the fan cap
	IDF-2 is dirty	See 'Cleaning and Maintenance'
	Damage to motor bearing	Contact GPS representative for additional assistance

Product Registration

By registering your order, the standard limited warranty on eligible products from your purchase is automatically extended to 3 years, at no additional cost.

Register your products at www.gpsair.com/product-registration or scan the QR code.



The information provided in this manual is up to date at the time of printing. Any revisions to this document will supersede the content included. For the latest applicable version of this manual, visit our website or utilize the QR code.



The health aspects associated with the use of this product and its ability to aid in disinfection of environmental air have not been investigated by UL.

This product shall not be installed behind a structural wall, ceiling, or floor.



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To access a list of applicable patents, please visit www.gpspatents.com

