AGPtek APRGF1W1-US

AGPTEK Register Booster Fan (Model APRGF1W1-US) User Manual

Enhance Airflow and Comfort

1. INTRODUCTION

Thank you for choosing the AGPTEK Register Booster Fan. This device is designed to improve air circulation from your existing HVAC system by boosting airflow through 4x10 inch floor, wall, or ceiling vents. Featuring a smart thermostat, 10 adjustable speeds, a quiet brushless motor, and an innovative aroma diffuser, it helps maintain comfortable temperatures and enhance your living environment efficiently.

2. SAFETY INSTRUCTIONS

- Read all instructions before use and retain for future reference.
- Ensure the power supply voltage matches the fan's requirements (100-240V AC).
- Do not operate the fan with a damaged cord or plug. If damaged, contact customer support.
- Keep fingers and foreign objects away from the fan blades during operation.
- Do not immerse the fan unit in water or other liquids.
- Place the fan on a stable surface or securely install it in a vent opening.
- Avoid blocking the air intake or exhaust vents to ensure proper operation and prevent overheating.
- This product is intended for indoor use only.

3. PACKAGE CONTENTS

Please check the package for the following items:

- AGPTEK Register Booster Fan Unit
- Remote Control
- Wall Power Adapter (with 3.7m / 144-inch cable)
- User Manual (this document)

4. PRODUCT FEATURES

- **Innovative Aroma Diffuser Design:** Features a dedicated spot for an aroma pad to infuse your space with essential oils.

- **Energy-Saving Operation:** Optimizes HVAC efficiency by circulating residual warm or cool air, reducing energy waste.

- **Smart and Manual Control:** Equipped with a high-precision temperature sensor for automatic operation. Includes an on-board control panel and a remote control for manual adjustments.

- **Quiet and Powerful Brushless Motor:** Operates below 18 dB with a maximum speed of 3600 RPM and 10 adjustable fan speeds.

- **Compact and Hassle-Free Setup:** Designed to fit standard 4 x 10 inch vent openings. Plug-and-play installation.

- **Smart Display:** Automatically dims after one minute of inactivity to avoid disturbing your sleep.

5. SETUP AND INSTALLATION

The AGPTEK Register Booster Fan is designed for easy installation in standard 4 x 10 inch vent openings.

1. **Verify Vent Size:** Ensure your existing duct opening measures 4 x 10 inches. Remove the old vent cover before measuring the duct opening itself, not the overall size of the old cover. The booster fan's face will extend past the duct opening.

2. **Placement:** Carefully place the booster fan into the 4 x 10 inch duct opening. It can be installed in floor, wall, or ceiling vents.

3. **Power Connection:** Connect the power adapter to the fan unit, then plug the adapter into a standard 100-240V AC electrical outlet.

Only Work for 4x10" Duct Opening

10"

4"

- Remove the existing cover before measuring.

- Measure the duct opening only, not the overall size of the old vent cover. Because vent face should extend past the duct opening.

Image: The booster fan is designed to fit a 4x10 inch duct opening. Ensure to measure the duct opening accurately before installation.
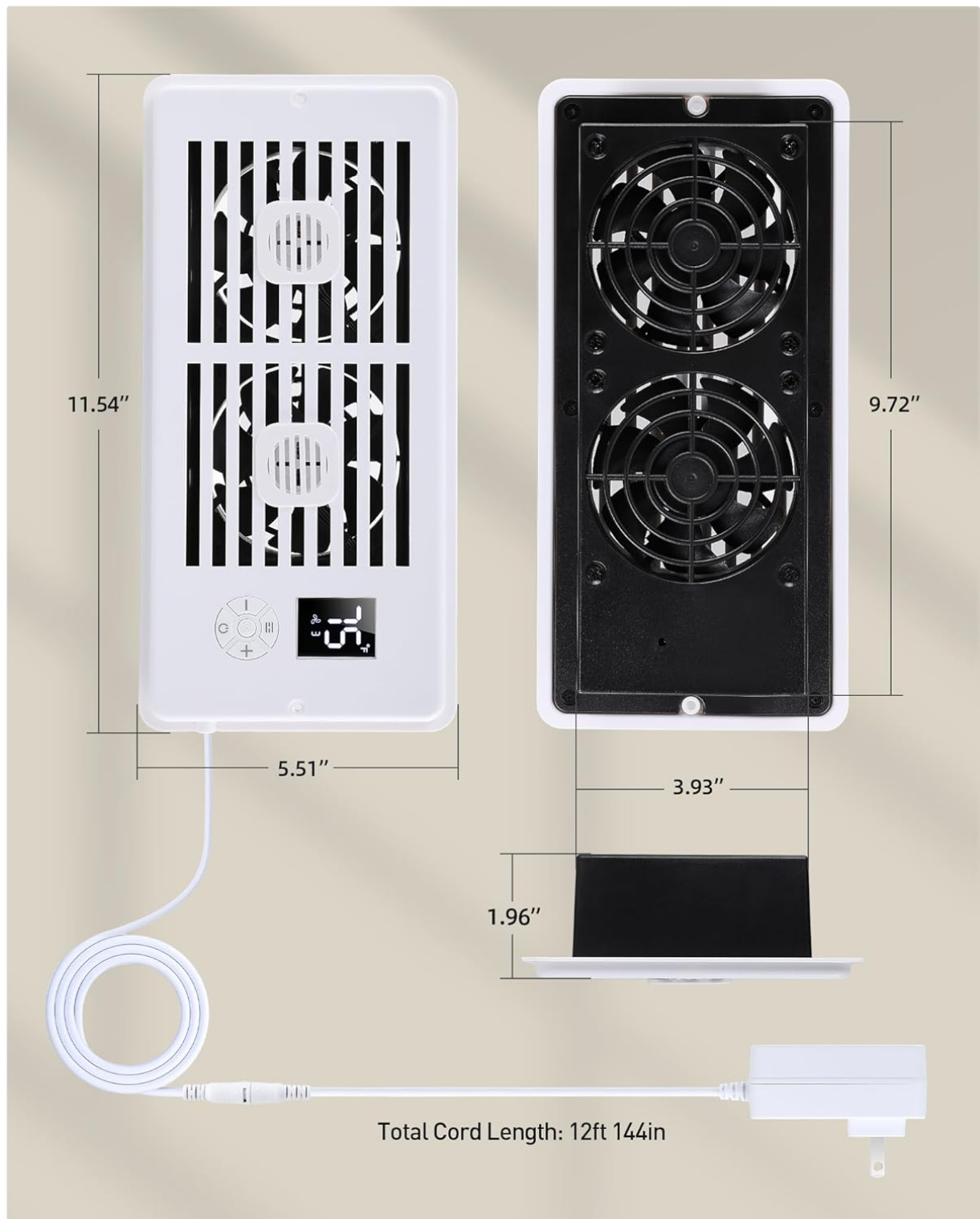
Image: Detailed dimensions of the AGPTEK Register Booster Fan, showing its length, width, and depth for proper fit.

6. OPERATING INSTRUCTIONS

The fan can be controlled via the on-board panel or the included remote control.

6.1. On-Board Control Panel

The control panel features a digital display and buttons for various functions:

Smart temperature Controller

Monitor temperature and Auto Adjust

High-Precision temperature sensor

10 adjustable Speed

1 Min Screen off

Summer mode

Winter mode

Image: The fan's control panel showing the digital display, power button, speed adjustment, and mode selection.

- **Power Button:** Press to turn the fan On or Off.
- **Speed Adjustment (+/-):** Use these buttons to increase or decrease the fan speed (1-10 levels).
- **Mode Button:** Cycle through different operating modes (e.g., Smart Thermostat Mode, Manual Mode).
- **Digital Display:** Shows current temperature, fan speed, and operating mode. The display will dim automatically after 1 minute of inactivity.

6.2. Remote Control

The remote control provides convenient access to all fan functions from a distance.

Image: The AGPTEK Register Booster Fan unit, its remote control, and the power adapter, illustrating the complete setup.

- **Power Button:** Turns the fan On/Off.

- **Speed Adjustment (+/-):** Adjusts fan speed from 1 to 10.

- **Mode Button:** Switches between Summer Mode (30-80°F) and Winter Mode (80-80°F) for smart temperature control.

- **Timer Button:** Sets an operating timer (e.g., 1H, 2H, 4H).

6.3. Smart Thermostat Operation

The fan's intelligent sensor automatically activates or deactivates based on your desired temperature settings.

- **Summer Mode:** Set a desired temperature range (e.g., 30-80°F). The fan will turn on when the room temperature exceeds the upper limit of your set range, boosting cool air.

- **Winter Mode:** Set a desired temperature range (e.g., 80-80°F). The fan will turn on when the room temperature falls below the lower limit of your set range, boosting warm air.

- Adjust the temperature settings using the remote control or on-board buttons.

6.4. Aroma Diffuser Usage

Enhance your environment with your favorite essential oils.

DIY Aroma Design Enhancey your Living Experience

Note: Only the booster fan is included; essential oils, cotton pads, and droppers are not provided.

Image: A hand demonstrating how to add essential oil to the designated aroma pad slot on the fan grille.

1. Locate the aroma pad slot on the fan grille.

2. Place a few drops of your preferred essential oil onto an aroma pad (not included).

3. Insert the aroma pad into the designated slot.

4. As the fan operates, the gentle breeze will diffuse the fragrance into the room.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your booster fan.

- **Cleaning the Fan:** Disconnect the power adapter before cleaning. Use a soft, dry cloth to wipe the exterior of the fan. For the grilles, a soft brush or vacuum cleaner with a brush attachment can be used to remove dust. Do not use abrasive cleaners or immerse the unit in water.

- **Aroma Pad Replacement:** Replace aroma pads regularly to maintain fragrance effectiveness and hygiene.

8. TROUBLESHOOTING

If you encounter issues with your AGPTEK Register Booster Fan, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fan does not turn on, but display lights up.	Fan speed set to 0 or in an inactive smart mode.	Increase fan speed using the '+' button on the unit or remote. Check if the fan is in Smart Mode and if the current temperature is within the inactive range.
No airflow or weak airflow.	Fan speed too low; vent obstructed; fan not properly seated.	Increase fan speed. Ensure the vent opening is clear of obstructions. Re-seat the fan firmly in the vent.
Remote control not working.	Battery depleted; obstruction between remote and fan; remote out of range.	Replace the remote control battery. Ensure there are no objects blocking the signal. Operate the remote within a reasonable distance from the fan.
Fan is noisy.	Fan speed too high; loose installation; foreign object in fan.	Reduce fan speed. Ensure the fan is securely installed in the vent. Disconnect power and carefully check for any foreign objects.

9. SPECIFICATIONS

Feature	Specification
Brand	AGPtek
Model Number	APRGF1W1-US
Color	White
Rated Power	8 Watts
AC Input	100-240V AC
Number of Speeds	10
Noise Level	Below 18 Decibels
Airflow	120 CFM
Product Dimensions	35.28 x 15.01 x 7.29 cm (13.89 x 5.91 x 2.87 inches)
Product Weight	739 g (1.63 lbs)
Cord Length	3.7 m (144 inches)
Compatible Vent Size	4 x 10 inches

Feature	Specification
Control Type	Push Button, Remote Control
Mounting Type	Floor Mount, Wall Mount, Ceiling Mount
Special Features	Remote Control, Quiet Operation, Portable, Timer, Smart Thermostat, Aroma Diffuser

10. WARRANTY AND SUPPORT

The AGPTEK Register Booster Fan comes with a manufacturer's warranty. For specific warranty details, please refer to the documentation included with your purchase or contact AGPTEK customer support.

If you have any questions, require technical assistance, or need to report an issue, please contact AGPTEK customer service through the retailer's platform or the official AGPTEK website.