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GDSTIME GDT12025B12V0.45A+3-12VT

GDSTIME 120mm Computer Fan User Manual

Brand: GDSTIME | Model: 1225 w/ Speed Controller (GDT12025B12V0.45A+3-12VT)

PRODUCT OVERVIEW

The GDSTIME 120mm Computer Fan with AC Plug is designed to provide efficient cooling for a wide range of electronic devices and enclosures. Featuring an AC-powered variable speed controller, this fan allows users to adjust airflow and noise levels to suit specific needs, from quiet operation for sensitive environments to maximum cooling for demanding applications. It is an ideal solution for maintaining optimal temperatures in home theater receivers, amplifiers, DVRs, gaming consoles (Playstation, Xbox), PC components, biltong boxes, grow tents, reptile cages, routers, terrariums, and electronic cabinets.



Image: GDSTIME 120mm Computer Fan with AC Plug, variable speed controller, metal grilles, screws, and rubber feet.

WHAT'S IN THE BOX

Your GDSTIME 120mm Computer Fan package includes all necessary components for immediate setup and operation:

- 1x 120mm DC Fan (Model: 1225)
- 1x Variable Speed Controller (AC/DC adapter)
- 2x Metal Grilles (12cm) for finger protection
- 4x Screws and Nuts for mounting
- 4x Rubber Feet and Sponge Mats for vibration minimization

Package Includes

1 4pcs Screws and Nuts

2 4pcs Rubber Feet and
Sponge Mats



3 2pcs Metal Grills

4 1pcs 12V 1225 Fan

5 1pcs Variable
Speed Controller

Image: All components included in the package: 120mm fan, speed controller, metal grilles, screws, and rubber feet.

KEY FEATURES

- **Versatile Cooling Solution:** Suitable for a wide range of applications including home theater receivers, biltong boxes, grow tents, reptile cages, routers, terrariums, electronic cabinets, and PC cooling.
- **Stepless Speed Control:** The included power adapter features a fine-tuning knob, allowing for continuous adjustment of fan speed to achieve the desired balance between airflow and noise levels.

- **AC-Powered Simplicity:** Plugs directly into standard AC outlets (100-240V global voltage) with a 1.5m adapter, offering easy power access.
- **Optimized Noise and Airflow:** Lower voltage settings (4V-12V) reduce noise, making it suitable for quiet environments like bedrooms or offices, while higher settings provide maximum airflow for heavy cooling tasks.
- **Durable Dual Ball Bearings:** Equipped with premium dual-ball bearings and a brushless motor, ensuring a long lifespan of up to 50,000 hours and allowing for both horizontal and vertical mounting.

Stepless Speed Control

	4V	5V	7V	12V
Speed	1200 RPM	1500 RPM	2000 RPM	3000 RPM
Power	0.3 W	0.6 W	1.4 W	5.4 W
Airflow	59 CFM	65 CFM	77 CFM	108 CFM
Noise	24 dBA	26 dBA	28 dBA	42 dBA

for quiet operation

for most applications

for max. airflow



Image: Table detailing fan speed, power, airflow, and noise levels at different voltage settings (4V, 5V, 7V, 12V).

Variable Speed Controller

Dial any voltage from 4V to 12V (2A 24W max)
for balance cooling performance and noise

Lower voltage to 4V for silent running.
Boost to 12V/2A for rapid cooling.



Great for fine tuning
Adjustable from off to max speed

DC Cable: 3.74 ft



AC Cable: 3.8 ft

5.5x2.1mm DC Jack
Output Voltage:
DC 4-12V adjustable

Powered by AC outlet
Input Voltage: AC 100-240V 50/60Hz

Image: Diagram showing the variable speed controller, its dimensions, input/output voltage, and AC plug connection.

Dual Ball Bearings

Lifespan up to 50,000 hrs

Contains premium dual-ball bearings and brushless motor allowing it to be mounted horizontally or vertically.

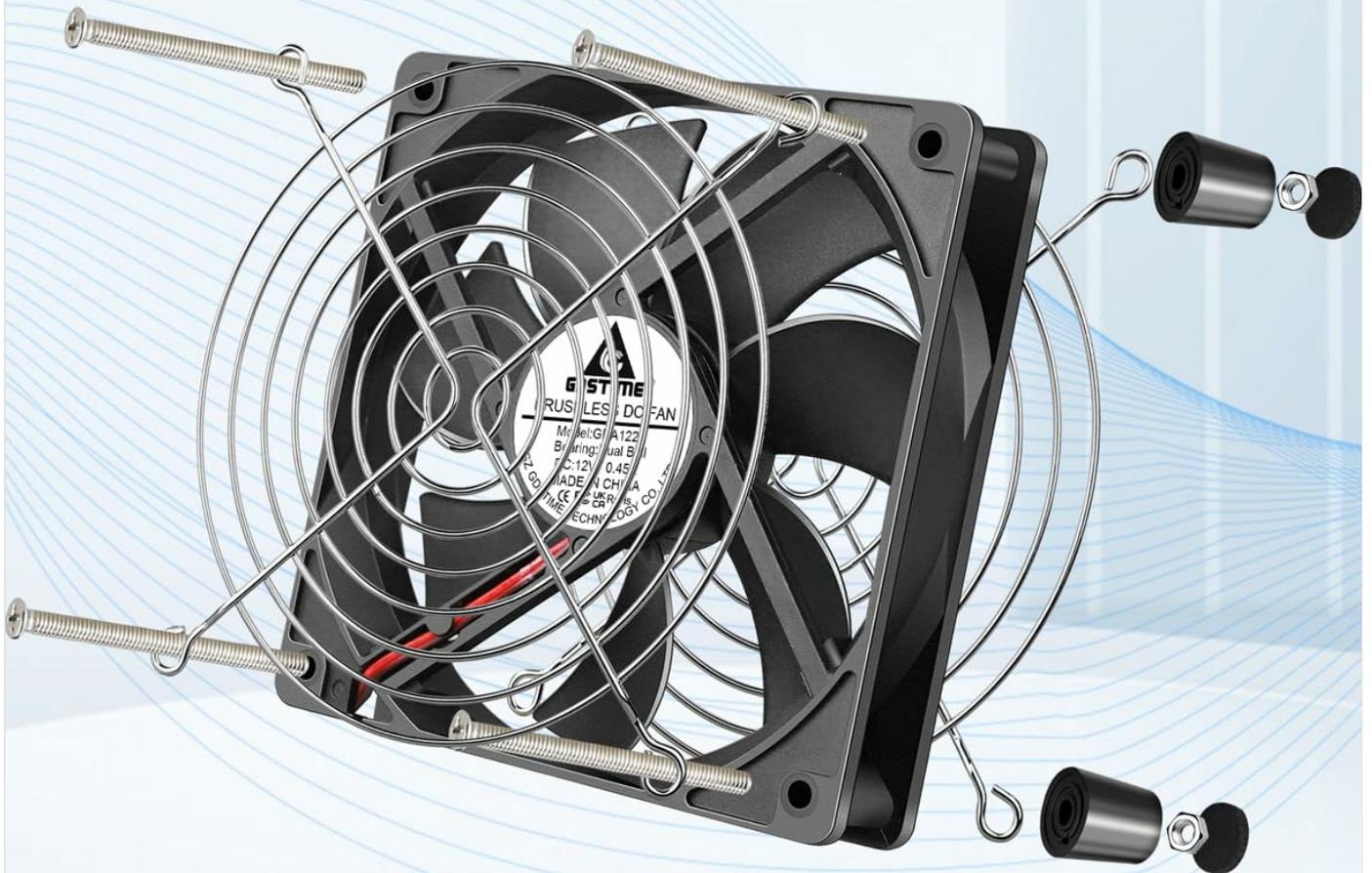


Image: Illustration highlighting the dual ball bearings and brushless motor, emphasizing the 50,000-hour lifespan.



Image: Various application scenarios including cooling receivers, routers, small grow tents, reptile cages, biltong drying boxes, large cigar humidors, and RV refrigerators.

SETUP AND INSTALLATION

The GDSTIME 120mm fan is designed for easy installation. Follow these steps to set up your fan:

1. **Unpack Components:** Carefully remove all items from the packaging and verify that all parts listed in the "What's in the Box" section are present.

2. **Attach Metal Grilles:** For safety and protection, attach the two metal grilles to both sides of the fan using the provided screws and nuts. This prevents accidental contact with the fan blades.
3. **Mounting (Optional):**
 - If mounting the fan, use the provided screws and rubber feet. The rubber feet help minimize vibration and noise.
 - The fan can be mounted horizontally or vertically depending on your application. Ensure proper airflow direction for optimal cooling.
4. **Connect Speed Controller:** Plug the fan's DC connector into the output jack of the variable speed controller.
5. **Connect to Power:** Plug the AC adapter of the speed controller into a standard AC outlet (100-240V).
6. **Positioning:** Place the fan in a location where it can effectively draw hot air away from or blow cool air towards the components requiring cooling. Consider the natural flow of heat (hot air rises) when positioning.

OPERATING INSTRUCTIONS

The GDSTIME 120mm fan features a simple variable speed control for customized operation:

1. **Power On:** Once connected to an AC outlet, the fan will power on.
2. **Adjust Speed:** Use the knob on the variable speed controller to adjust the fan's rotational speed.
 - Turn the knob towards the "Min" setting for lower fan speed, resulting in quieter operation and reduced airflow. This is ideal for situations where minimal noise is desired, such as during nighttime or in quiet office environments.
 - Turn the knob towards the "Max" setting for higher fan speed, providing maximum airflow for more intensive cooling requirements. This setting will generate more noise but offers superior heat dissipation.
3. **Balance Airflow and Noise:** Experiment with different speed settings to find the optimal balance between cooling performance and noise level for your specific application.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your GDSTIME fan:

- **Cleaning:** Periodically clean the fan blades and grilles to prevent dust buildup, which can impede airflow and reduce efficiency. Use a soft brush or compressed air. Ensure the fan is unplugged before cleaning.
- **Inspect Cables:** Check the power cable and fan connection regularly for any signs of wear, damage, or loose connections.
- **Operating Environment:** Ensure the fan is operated in a dry environment, away from excessive moisture or extreme temperatures, to prevent damage to electronic components.

TROUBLESHOOTING

If you encounter issues with your GDSTIME fan, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Fan not spinning	No power; Loose connection; Speed controller set to minimum.	<p>Check if the AC adapter is securely plugged into the outlet and the fan.</p> <p>Ensure the outlet has power.</p> <p>Turn the speed controller knob towards the "Max" setting.</p>
Fan is too noisy	Fan speed too high; Obstruction; Vibration.	<p>Reduce the fan speed using the variable speed controller.</p> <p>Check for any objects obstructing the fan blades.</p> <p>Ensure the fan is securely mounted and the rubber feet are properly installed to absorb vibrations.</p>

Problem	Possible Cause	Solution
Insufficient airflow	Fan speed too low; Dust buildup; Incorrect positioning.	<p>Increase the fan speed using the variable speed controller.</p> <p>Clean the fan blades and grilles.</p> <p>Adjust the fan's position to optimize airflow for the target area.</p>

SPECIFICATIONS

Attribute	Detail
Product Dimensions	4.72"L x 4.72"W x 0.98"H (120 x 120 x 25 mm)
Item Model Number	GDT12025B12V0.45A+3-12VT
Brand	GDSTIME
Power Connector Type	2-Pin
Voltage	12 Volts DC (Adjustable 4V-12V via controller)
Wattage	5.4 watts (Max)
Cooling Method	Air
Compatible Devices	Desktop, Switch, Router, Refrigerator, Amplifier, DVR, Playstation, Xbox, Biltong Box, Grow Tent, Reptile Cage, Terrarium, Electronic Cabinet
Noise Level	Up to 42 dB (Adjustable)
Material	Plastic
Maximum Rotational Speed	3000 RPM
Bearings	Dual Ball
Life Expectancy	50,000 Hours

Key Specifications



Size: 120 x 120 x 25 mm
4.72 x 4.72 x 0.98 inch
Rated Voltage: 12V DC
Rated Current: 0.45 Amp
Bearings: Dual Ball
Life Expectancy: 50,000 Hrs
Blade / Housing: Plastic P.B.T

Speed max.: 3000 RPM
Airflow max.: 108 CFM
Noise max.: 42 dBA
Power: 5.4 W
Static Pressure: 0.2 In H₂O
Connector: 5.5x2.1mm DC Jack
Cable Length: 250 mm

Image: Technical diagram showing fan dimensions, rotation direction, connector type, and key performance metrics.

WARRANTY AND SUPPORT

GDSTIME products are manufactured with quality and reliability in mind. For specific warranty details and customer support, please refer to the documentation included with your purchase or visit the official GDSTIME store on Amazon:

[Visit the GDSTIME Store](#)

For technical assistance or inquiries, please contact GDSTIME customer service through the Amazon platform or their official

website.

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