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› [Geometric Future Squama 3805 RGB PWM Fan User Manual](#)

Geometric Future GEO-S3805B-1

Squama 3805 RGB PWM Fan User Manual

Model: GEO-S3805B-1

INTRODUCTION

The Geometric Future Squama 3805 is a high-performance 120 x 38mm RGB PWM fan designed for efficient cooling in desktop computer systems. Featuring a robust dual ball bearing design and advanced aerodynamic dimples, it delivers impressive airflow and static pressure while maintaining controlled noise levels. The integrated addressable RGB lighting allows for customizable visual effects, enhancing the aesthetic of your PC build.

SETUP AND INSTALLATION

Follow these steps to properly install your Squama 3805 RGB PWM Fan:

- Prepare your system:** Ensure your computer is powered off and unplugged from the wall outlet. Open your computer case to access the fan mounting locations.
- Mount the fan:** Position the Squama 3805 fan in your desired location (e.g., case fan mount, radiator). Use the included mounting screws to secure the fan firmly. Ensure the fan's airflow direction is appropriate for your cooling setup (intake or exhaust).
- Connect the PWM cable:** Locate the 4-pin PWM connector on the fan cable. Connect this to an available 4-pin fan header on your motherboard (typically labeled "CPU_FAN", "SYS_FAN", or "CHA_FAN"). This connection allows your motherboard to control the fan speed based on system temperature.
- Connect the ARGB cable:** Locate the 3-pin ARGB connector on the fan cable. Connect this to an available 3-pin 5V addressable RGB header on your motherboard (often labeled "ARGB", "D_LED", or "VDG"). **Important:** Do not connect this to a 4-pin 12V RGB header, as this can damage the LEDs.
- Cable Management:** Route the fan and RGB cables neatly to avoid obstructing airflow or other components.
- Close the case:** Once all connections are secure, close your computer case and reconnect the power.

ELEVATE YOUR COOLING

Testing reveals the 38mm thick Super Squama 3805 brings a staggering 26% increase in static pressure and airflow over the already high-performance 25mm thick Squama 2505.

3805 Fan&Air Cooled & LIQUID Cooled &PC Case System

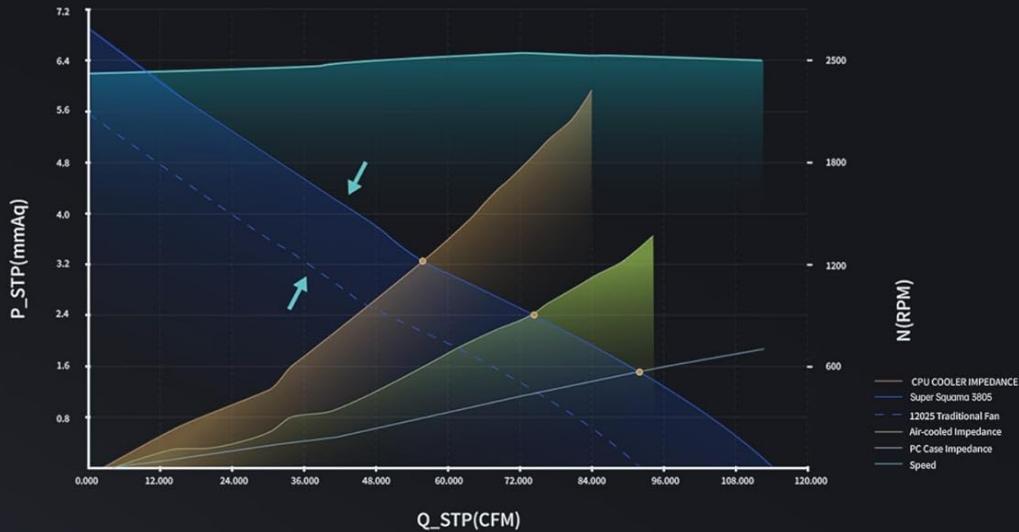


Image: The Squama 3805 fan, illustrating its 4-pin PWM and 3-pin ARGB connectors, and the mounting screw holes. This image helps visualize the connection points for installation.

OPERATING INSTRUCTIONS

The Squama 3805 fan operates via Pulse Width Modulation (PWM) for speed control and Addressable RGB (ARGB) for lighting effects.

- Fan Speed Control:** The fan speed is automatically controlled by your motherboard's BIOS/UEFI settings or through fan control software provided by your motherboard manufacturer. This allows the fan to adjust its RPM (Revolutions Per Minute) based on your system's thermal load, optimizing cooling performance and noise levels.
- ARGB Lighting Control:** The 8 vibrant addressable LEDs can be customized using your motherboard's RGB synchronization software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion, ASRock Polychrome Sync). This software allows you to select various lighting modes, colors, and effects to match your system's aesthetic.

Squama 3805

SUPER SQUAMA

The Super Squama 3805, a 38mm thick PWM fan, with an impressive 115 CFM of airflow and a formidable 6.82 mmH₂O of static pressure. A great choice to maximize cooling for radiators, heatsinks, or assisted cooling for GPUs.

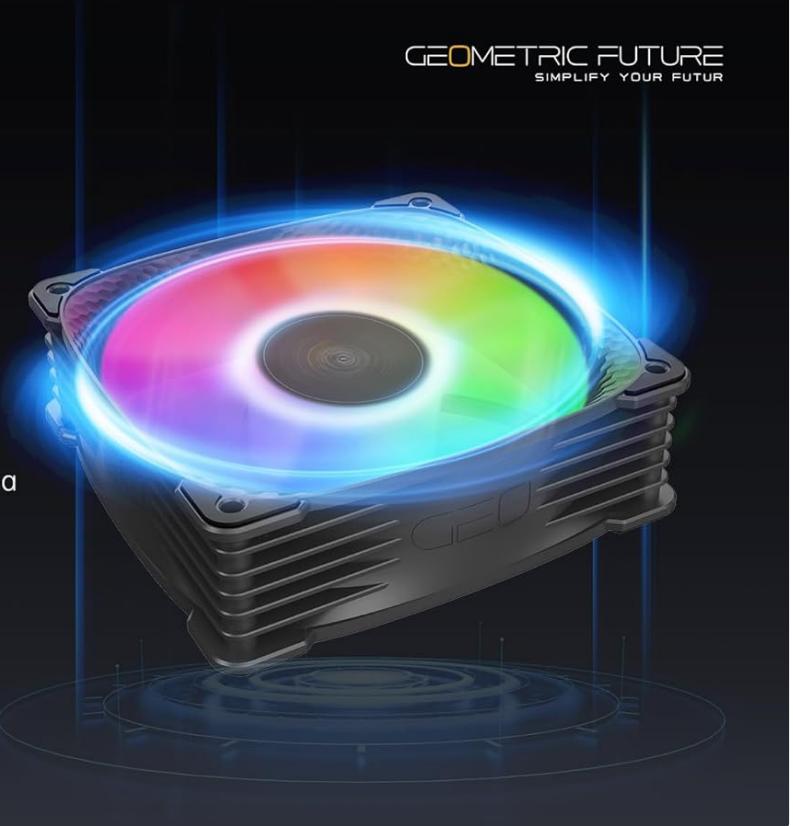


Image: The Squama 3805 fan showcasing its vibrant RGB lighting and an illustration of its powerful airflow, highlighting its cooling capabilities.

MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your fan.

- Dust Removal:** Periodically inspect the fan blades and frame for dust accumulation. Use compressed air or a soft, dry cloth to gently remove dust. Ensure the fan is powered off before cleaning.
- Bearing System:** The Squama 3805 features a dual ball bearing design, which is highly durable and requires no lubrication. Avoid disassembling the fan.
- Anti-Vibration Pads:** The integrated shockproof rubber pads on the corners are designed to minimize vibration and noise. Ensure these pads are intact and properly seated during installation.



DUAL BALL BEARING DESIGN

The Super Squama 3805 features dual ball bearings, for up to three times the lifespan of hydraulic bearing solutions, and outlasting a typical ball+sleeve bearing designs.

Image: A detailed view of the Squama 3805 fan, highlighting the textured shockproof rubber pads on its corners, which are crucial for minimizing vibration and noise.

TROUBLESHOOTING

If you encounter issues with your Squama 3805 fan, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Fan not spinning or spinning at low RPM.	<ul style="list-style-type: none">Incorrect PWM connection.Motherboard BIOS/UEFI settings.Insufficient power.	<ul style="list-style-type: none">Ensure the 4-pin PWM cable is securely connected to a functional fan header on the motherboard.Check your motherboard's BIOS/UEFI settings to ensure the fan header is enabled and configured for PWM control. Adjust fan curves if necessary.Try connecting the fan to a different fan header.
ARGB lighting not working or displaying incorrect colors.	<ul style="list-style-type: none">Incorrect ARGB connection.Software issues.Damaged LEDs.	<ul style="list-style-type: none">Verify the 3-pin ARGB cable is connected to a 5V addressable RGB header, not a 12V RGB header.Ensure your motherboard's RGB software is installed and up-to-date. Restart the software or your computer.Check for any physical damage to the ARGB cable or connector.

Problem	Possible Cause	Solution
Excessive noise or vibration.	<ul style="list-style-type: none"> Loose mounting screws. Obstruction of fan blades. Fan resonance with case. 	<ul style="list-style-type: none"> Tighten all mounting screws. Ensure no cables or objects are touching the fan blades. Verify the anti-vibration pads are correctly positioned. Consider adjusting fan speed via PWM control to find a quieter operating point.

SPECIFICATIONS

Feature	Detail
Model Number	GEO-S3805B-1
Fan Dimensions (L*W*H)	120 x 120 x 38 mm
Color	Black
Materials	Plastic, Metal (PBT / PC)
Fan Speed	700-2500 RPM (max)
Airflow	115 CFM
Air Pressure	6.82 mmH2O
Noise Level	40 dBA (max)
Motor Rated Voltage	12V
ARGB Rated Voltage	5V
ARGB Rated Current	0.29A
ARGB Rated Power	1.45W
LED Interface	3-PIN
Power Connector Type	4-PIN (PWM)
MTTF (Mean Time To Failure)	>80000 hours



Image: A detailed specification table for the Squama 3805 fan, outlining its dimensions, performance metrics, and electrical characteristics.

WARRANTY INFORMATION

The Geometric Future Squama 3805 RGB PWM Fan comes with a **Two-year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from accident, misuse, abuse, unauthorized modification, or improper installation.

Please retain your proof of purchase for warranty claims.

SUPPORT

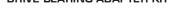
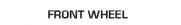
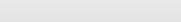
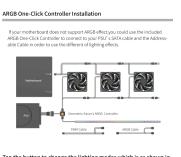
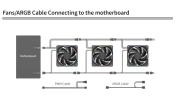
For technical support, warranty claims, or further assistance, please contact Geometric Future customer service. You can typically find contact information on the official Geometric Future website or through the retailer where you purchased the product.

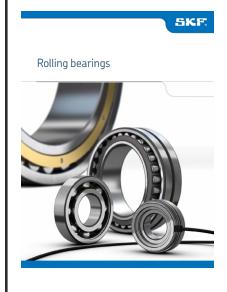
For more information, you may visit the [Geometric Future Store on Amazon](#).

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Related Documents - GEO-S3805B-1

A small thumbnail image of the user guide document, showing the cover which features the product image and the text "Geometric Future Squama 3805 Series ARGB PWM PC Fans - User Guide".	Geometric Future Squama 3805 Series ARGB PWM PC Fans - User Guide
	<p>Detailed information and specifications for the Geometric Future Squama 3805 series PC fans, including 3805B and 3805W models. Covers product contents, installation notices, troubleshooting, and manufacturer details.</p>



	<p><u>Geometric Future Squama 2501B/2501W ARGB PWM Computer Fans - User Guide & Specifications</u></p> <p>Detailed information on the Geometric Future Squama 2501B and 2501W computer fans, including package contents, connection diagrams, troubleshooting, safety notices, and manufacturer details.</p>
	<p><u>SKF Rolling Bearings Catalog: Selection Guide and Technical Data</u></p> <p>Comprehensive catalog from SKF detailing rolling bearings for industrial applications. Covers bearing selection processes, types, technical specifications, and performance data to help engineers and designers choose the optimal bearing solution.</p>
	<p><u>Secop NLU11KK.1 Compressor Technical Data and Specifications</u></p> <p>Detailed technical specifications, performance data, dimensions, and service information for the Secop NLU11KK.1 compressor, designed for 220-240V, 50Hz, RSCR applications using R600a refrigerant.</p>