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Enermax UCSQARGB12P-BP3

Enermax Squa RGB 120mm Desktop Computer Fan Instruction Manual

Model: UCSQARGB12P-BP3

INTRODUCTION

The Enermax Squa RGB fan series features addressable RGB LEDs integrated into a unique square frame, utilizing ENERMAX LED LIGHTING technology for bright and uniform illumination. These fans are designed to create dynamic rainbow effects and can synchronize with compatible motherboard software. Engineered for quiet operation without compromising performance, the Squa RGB fans offer a low start-up speed of 300 RPM and enhanced airflow. The Vortex Frame design and Enermax Air Inlet design optimize airflow by creating a concentrated swivel, effectively facilitating air intake.

SAFETY INFORMATION

- Ensure your computer system is powered off and unplugged from the wall outlet before installation or maintenance.
- Handle components with care to avoid damage from static electricity. Consider using an anti-static wrist strap.
- Keep small parts and packaging materials away from children.
- Do not attempt to modify the fan or its components. Unauthorized modifications may void your warranty and pose safety risks.
- Ensure proper ventilation around your computer to prevent overheating.

PACKAGE CONTENTS

Verify that all components are present in your package:

- Enermax Squa RGB 120mm Fans (Quantity: 3 for this pack)
- Mounting Screws
- Addressable RGB Controller (if included with your specific pack)
- Motherboard Synchronization Cables (for ARGB)



Image: Front view of the Enermax Squa RGB fan, showcasing its square frame and vibrant addressable RGB lighting.

SETUP AND INSTALLATION

- 1. Prepare Your System:** Power off your computer and unplug it from the power source. Open your computer case.
- 2. Identify Mounting Location:** Determine where you want to install the fans (e.g., front, top, rear, bottom of the case). Ensure there is adequate space.
- 3. Mount the Fans:**
 - Position each fan in the desired location. Ensure the fan's airflow direction (usually indicated by arrows on the fan frame) is correct for your cooling setup (intake or exhaust).
 - Secure each fan to the case using the provided mounting screws. Do not overtighten.



Image: Multiple Enermax Squa RGB fans installed within a desktop computer case, demonstrating their aesthetic lighting effect and placement.

4. **Connect Power:** Connect the 4-pin PWM power cable from each fan to an available 4-pin fan header on your motherboard.
5. **Connect RGB Lighting:**
 - **Motherboard Synchronization:** If your motherboard has a 5V Addressable RGB (ARGB) header (often labeled as **ADD_HEADER**, **JRAINBOW**, or **D_LED**), connect the fan's ARGB cable to it. Ensure it is a 5V ARGB header, not a 12V RGB header, to prevent damage.
 - **Using Included Controller:** If your motherboard lacks a 5V ARGB header, connect the fan's ARGB cables to the included Addressable RGB controller (if provided). Connect the controller to a SATA power connector from your power supply.



Image: Rear view of the Enermax Squa RGB fan, displaying the product label and connection points. Note the 12V fan power and 5V RGB power specifications.

6. **Cable Management:** Route all cables neatly to ensure proper airflow and a clean build.
7. **Close Case and Power On:** Close your computer case, plug in the power, and power on your system.

OPERATING INSTRUCTIONS

Fan Speed Control

The Enermax Squa RGB fans utilize a 4-pin PWM connector, allowing your motherboard to dynamically control their speed based on system temperature. You can adjust fan curves and settings through your motherboard's BIOS/UEFI or dedicated software provided by your motherboard manufacturer (e.g., ASUS Fan Xpert, MSI Dragon Center, GIGABYTE SIV).

The fans operate within a speed range of 300 to 1500 RPM, ensuring quiet operation at lower loads and efficient cooling under higher demands.

RGB Lighting Control

- **Motherboard Software:** If connected to a 5V ARGB header, you can control the lighting effects and synchronization using your motherboard's RGB software (e.g., ASUS Aura Sync, ASRock Polychrome Sync, MSI Mystic Light Sync, GIGABYTE RGB Fusion).
- **Included Controller:** If using the standalone ARGB controller, refer to the controller's specific instructions for changing lighting modes, colors, and brightness. Typically, buttons on the controller allow cycling through various presets.

MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your Enermax Squa RGB fans.

- **Dust Cleaning:** Periodically (e.g., every 3-6 months), power off and unplug your computer. Use compressed air or a soft brush to gently remove dust accumulation from the fan blades and frame. Hold the fan blades to prevent them from spinning rapidly during cleaning, which can damage the bearings.
- **Check Connections:** Ensure all power and RGB cables remain securely connected to the motherboard or controller.
- **Inspect for Obstructions:** Verify that no cables or other components are obstructing the fan blades' rotation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Fan not spinning	No power, loose connection, faulty fan header.	<p>Ensure 4-pin PWM cable is securely connected to the motherboard fan header.</p> <p>Try connecting the fan to a different fan header on the motherboard.</p> <p>Check BIOS/UEFI settings to ensure the fan header is enabled and configured correctly.</p>
RGB lighting not working	Loose ARGB connection, incorrect ARGB header (12V instead of 5V), software issue, faulty controller.	<p>Verify the ARGB cable is securely connected to a 5V Addressable RGB header on the motherboard or the included controller. Do NOT connect to a 12V RGB header.</p> <p>If using motherboard software, ensure it is up-to-date and the ARGB devices are detected.</p> <p>If using the controller, ensure it is receiving SATA power and try cycling through modes.</p>
Fan is excessively noisy	Loose mounting, obstruction, high RPM, faulty bearing.	<p>Ensure the fan is securely mounted and screws are tightened appropriately.</p> <p>Check for any cables or objects touching the fan blades.</p> <p>Adjust fan speed settings in BIOS/UEFI or motherboard software to a lower RPM.</p> <p>If noise persists, the fan may be faulty and require replacement.</p>

SPECIFICATIONS

Feature	Detail
Model Number	UCSQARGB12P-BP3

Feature	Detail
Fan Dimensions	120mm x 120mm x 26mm
Fan Speed	300 - 1500 RPM
Noise Level	12 Decibels (at minimum speed)
Power Connector	4-Pin PWM
RGB Connector	5V Addressable RGB (3-pin)
Rated Voltage (Fan)	12 Volts
Rated Voltage (RGB)	5 Volts
Cooling Method	Air
Compatible Devices	Desktop Computers
MTTF (Mean Time To Failure)	≥100,000 hours @ 25°C

WARRANTY AND SUPPORT

Enermax products are designed for reliability and performance. This product typically comes with a manufacturer's warranty. Please refer to the official Enermax website or your retailer for specific warranty terms and conditions applicable to your region.

Based on available information, EU spare part availability duration is 2 years, which often correlates with the warranty period in that region.

For technical support, troubleshooting assistance, or warranty claims, please visit the official Enermax support page or contact their customer service. You can find more information on the [Enermax Store](#).