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Okinos OKICF-A12ABT4P-1225X5

Okinos RGB Fans 5 Pack User Manual

Model: OKICF-A12ABT4P-1225X5

INTRODUCTION

Thank you for choosing the Okinos RGB Fans 5 Pack. This manual provides detailed instructions for the installation, operation, and maintenance of your new 120mm Air Series fans. These fans feature 4-Pin PWM for speed control and 3-Pin Addressable RGB for customizable lighting, designed to enhance your computer's cooling performance and aesthetic appeal.

Please read this manual thoroughly before installation and use to ensure proper functionality and longevity of your product.



Image: The Okinos RGB Fans 5 Pack, showcasing five fans, an ARGB controller hub, and a remote control.

PACKAGE CONTENTS

Verify that all components are present in your package:

- 5 x Okinos Air Series 120mm Addressable RGB Fans
- 1 x Fans Hub
- 1 x Remote Controller
- 20 x Screws

SPECIFICATIONS

Feature	Detail
Fan Dimensions	120mm x 120mm x 25mm

Feature	Detail
Rotational Speed	1600 ± 10% RPM (Max.)
Airflow	35.49 CFM (Max.)
Static Pressure	1.17 mmH ₂ O (Max.)
Noise Level	26.9 dBA
Fan Connector	4-Pin PWM
RGB Connector	3-Pin Addressable RGB (5V)
LEDs	8 ARGB LEDs
Lifespan	70,000 hours at 25°C

SETUP AND INSTALLATION

Before beginning installation, ensure your computer is powered off and unplugged from the wall outlet. It is recommended to wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to components.

1. Fan Placement

Determine the optimal placement for your fans within your PC case for effective airflow. Common placements include front (intake), rear (exhaust), top (exhaust), and bottom (intake).

2. Mounting the Fans

Use the included screws to mount each fan to your PC case. The fans are designed with anti-vibration rubber pads on each corner to minimize noise. It is suggested to use a PH2 Cross Head Screwdriver for installation, as the fan screws are self-tapping and require some force to create threads in the mounting holes.

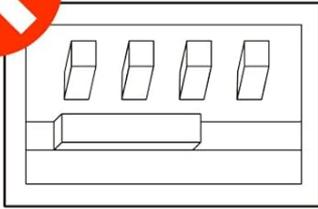
1600±10% RPM ENABLED BY 4-PIN PWM

With 4 Pin PWM connector, fan's speed can be adjusted from **1600±10% RPM**, for airflow performance up to 35.49 CFM while maintaining noise levels as low as 26.9 dB(A).



Image: Close-up of an Okinos fan highlighting the 8 rubber anti-vibration pads on the corners.

! Modding Tips

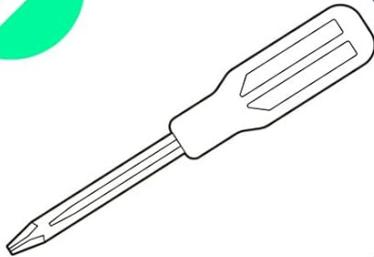


PUMP_FAN1

To enable the PWM function, the PWM fan must be plugged into the **"PWM" connector** on the motherboard, whether it's through the PWM controller, the 1-to-3 splitter cable, the extension cable, or the PWM connector of the fan itself.

If wrongfully connected to the **PUMP header**, the PWM Fan will run at full speed.

*Do NOT connect it to the **PUMP** header!*



Suggest using **PH2 Cross Head Screwdriver**. Fan screws are **self-tapping**, requiring some force during installation to create threads inside the fan's mounting holes.

Using cross head screwdriver will prevent damage to the screw surface and ensure successful installation.

Image: Diagram showing the correct screwdriver type (PH2 Cross Head) for fan installation and a warning not to connect PWM fans to PUMP headers.

3. Connecting the Fans to the Hub

Connect the 4-Pin PWM cable from each fan to the corresponding fan headers on the included Fans Hub. Connect the 3-Pin Addressable RGB cable from each fan to the ARGB headers on the Fans Hub.

3Pin 5V Addressable RGB M/B Synchronization Guide

When connecting with the system start: Press and hold the "Mode" button for 3 seconds to sync with the MOBO software

Automatic synchronization occurs upon reopening if the system is turned off.

 Connect the "Red" PWM port to read the speed through the BIOS system.

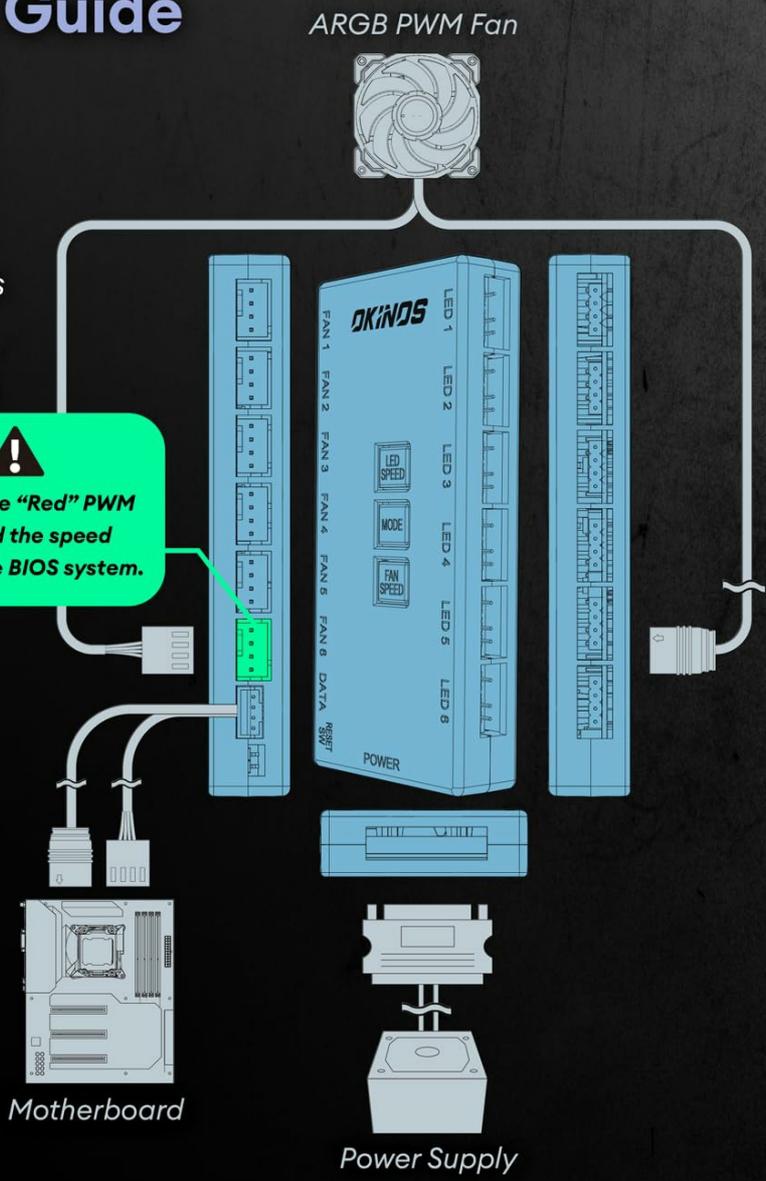


Image: A wiring diagram illustrating how to connect the ARGB PWM fans to the Okinos controller hub, which then connects to the motherboard and power supply. It highlights connecting the "Red" PWM port to read speed via BIOS.

4. Connecting the Hub to the Motherboard and Power Supply

Connect the Fans Hub to your motherboard's 4-Pin PWM header for fan speed control. For Addressable RGB synchronization with your motherboard's software, connect the 3-Pin 5V Addressable RGB connector from the hub to your motherboard's compatible ARGB header. Ensure you connect to a 5V ARGB header, not a 12V RGB header, as this can damage the LEDs.

Important: The AI2 fan CANNOT be used with a 4-Pin 12V RGB connector.

3PIN 5V Addressable RGB Motherboard SYNC

Connect the A12 to **3 Pin 5V Addressable RGB connector** on M/B for lighting synchronization via software from various M/B brands.

Important: A12 **CAN NOT be used with the 4 Pin 12V RGB connector.**

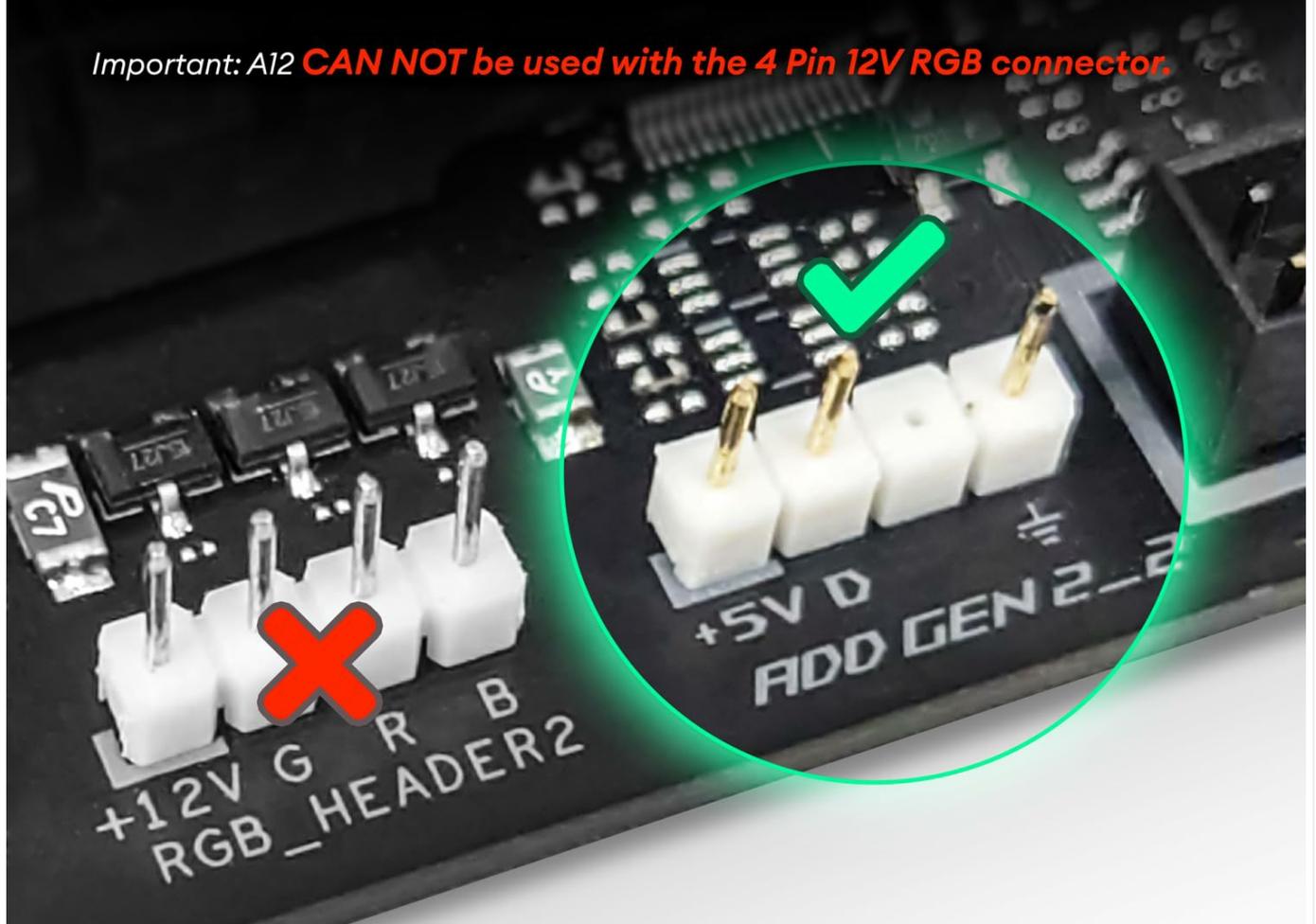


Image: A close-up diagram showing the correct connection for a 3-Pin 5V Addressable RGB header on a motherboard, with a red 'X' over a 4-Pin 12V RGB header to indicate incorrect connection.

Finally, connect the Fans Hub to your power supply using the appropriate power connector (e.g., SATA power).

OPERATION

Fan Speed Control (PWM)

The 4-Pin PWM connector allows your motherboard to control the fan speed based on system temperature, ensuring optimal cooling performance and noise levels. Fan speed can be adjusted from $1600 \pm 10\%$ RPM.

NOISE LEVEL
26.9 dB(A)



26.9DBA SILENT CASE FAN

With hydraulic bearings to minimize friction and vibration during rotation, Noise levels < 26.9dB(A) even at maximum speed (1600 RPM), ensuring minimal disturbance.

Image: An Okinos fan with text indicating "1600 ± 10% RPM ENABLED BY 4-PIN PWM", illustrating the fan blades in motion.

RGB Lighting Control

Your Okinos RGB Fans offer versatile lighting control options:

- **Remote Controller:** Use the included remote to select from 64 built-in lighting modes and adjust fan speed.
- **Motherboard Software Synchronization:** If connected to a compatible 3-Pin 5V Addressable RGB header, you can synchronize the fan's RGB lighting with your motherboard's software (e.g., ASUS Aura Sync, MSI Mystic Light, Gigabyte RGB Fusion, ASRock Polychrome Sync).
- **Control Hub:** The included hub can also manage lighting effects independently.

Included Manual Remote Controller

Included manual remote controller not only conveniently to select the favorite lighting mode from **64 built-in options**, but also can adjust the fan's speed.



Important: To disconnect M/B sync and switch to remote controller, please lightly press the MODE button once.

Image: The Okinos remote controller with various buttons for M/B sync, power, fan speed, LED speed, and color selection. Also shows the fan hub with LED indicators.

35.49CFM HIGH PERFORMANCE 120MM FAN

To achieve high airflow (**35.49 CFM**) at a maximum speed of 1600 RPM, while delivering exceptional air pressure (**1.17 mmH₂O**), the Air Series fan's size was enlarged to **120 mm**, ensuring broad coverage and uniform airflow distribution.



FAN SPEED
1600 RPM (max.)

AIR FLOW
35.49 CFM (max.)

AIR PRESSURE
1.17 mmH₂O (max.)

Image: A comparison table indicating that Okinos A12 ARGB fans support Motherboard Control, Fan Controller, and Remote Control for RGB lighting.

RGB MOBO Synchronization Guide

To sync the fan's RGB lighting with your motherboard software:

1. Ensure the 3-Pin 5V Addressable RGB connector from the hub is properly connected to your motherboard's ARGB header.
2. When connecting with the system start, press and hold the "Mode" button on the remote controller for 3 seconds.
3. Automatic synchronization occurs upon reopening if the system is turned off.
4. To disconnect M/B sync and switch back to remote controller control, lightly press the MODE button once on the remote.



Image: Okinos RGB fans installed inside a computer case, showcasing their vibrant, individually addressable RGB lighting. Each fan features 8 individually controllable ARGB LEDs, capable of presenting 16.8 million colors for personalized lighting effects.

MAINTENANCE

Regular maintenance helps ensure optimal performance and extends the lifespan of your Okinos RGB Fans.

- **Cleaning:** Periodically clean the fan blades and housing to remove dust buildup. Use compressed air or a soft, dry cloth. Ensure the fans are powered off and disconnected before cleaning.
- **Inspection:** Check fan cables for any signs of wear or damage. Ensure all connections to the hub and motherboard are secure.
- **Noise Levels:** The fans are designed for quiet operation (26.9 dBA). If you notice an increase in noise, inspect for dust accumulation or loose mounting screws.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Fans not spinning	No power to hub or fans; incorrect connection.	Ensure the hub is connected to the power supply. Check all 4-Pin PWM fan connections to the hub. Verify the motherboard's fan header is enabled in BIOS.
RGB lighting not working	Incorrect ARGB connection; remote battery low; motherboard software issue.	Ensure 3-Pin 5V ARGB cables are correctly connected to the hub and motherboard (if syncing). Do not connect to 12V RGB headers. Check remote battery. Try pressing the "Mode" button on the remote for 3 seconds to initiate M/B sync or switch to remote control. Update motherboard RGB software.
Fans spinning at full speed constantly	PWM signal not detected; connected to a non-PWM header (e.g., PUMP header).	Ensure fans are connected to a 4-Pin PWM header on the motherboard or hub. Check BIOS settings for fan control. Do not connect to PUMP headers.
Excessive noise from fans	Loose mounting screws; dust buildup; fan bearing issue.	Tighten mounting screws. Clean fan blades and housing. If noise persists, contact customer support.

WARRANTY AND SUPPORT

Okinos products are manufactured to high quality standards. For warranty information or technical support, please refer to the official Okinos website or contact your retailer. Keep your purchase receipt as proof of purchase for warranty claims. For further assistance, please visit the [Okinos Brand Store on Amazon](#).