

## Noctua NF-P12 Redux 1700 PWM, NA-SYC1, NA-SEC1

# Noctua NF-P12 Redux 1700 PWM Fan Bundle Instruction Manual

Models: NF-P12 Redux 1700 PWM, NA-SYC1, NA-SEC1

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Noctua NF-P12 Redux 1700 PWM fan bundle. This bundle includes two NF-P12 Redux 1700 PWM fans, one NA-SYC1 Y-splitter cable, and one NA-SEC1 30cm extension cable. Please read these instructions carefully before proceeding with installation to ensure proper functionality and longevity of your components.

## PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 2x Noctua NF-P12 Redux 1700 PWM Fans
- 1x Noctua NA-SYC1 Y-Splitter Cable (2x 4-pin to 1x 4-pin)
- 1x Noctua NA-SEC1 30cm Extension Cable (4-pin)



Image: Overview of the Noctua NF-P12 Redux 1700 PWM fan bundle, showing two fans, a Y-splitter cable, and an extension cable.

## SETUP AND INSTALLATION

### 1. Fan Installation (NF-P12 Redux 1700 PWM)

The NF-P12 Redux 1700 PWM fans are designed for use in PC cases, CPU coolers, or liquid cooling radiators. Ensure your system is powered off and disconnected from the power source before installation.

1. **Identify Mounting Location:** Determine the desired location for the fan within your PC case, on a CPU cooler, or a radiator. Observe the airflow direction arrows on the fan frame to ensure correct

orientation (intake or exhaust).

2. **Secure the Fan:** Use appropriate fan screws (typically M3 or self-tapping screws, often provided with your case or cooler) to secure the fan to the mounting points. Ensure the fan is firmly attached to prevent vibrations. *Note: This fan bundle does not include mounting screws. Please use the screws provided with your PC case or cooling solution.*
3. **Connect Power:** Plug the fan's 4-pin PWM connector into an available 4-pin fan header on your motherboard or fan controller.



Image: Front view of the Noctua NF-P12 Redux 1700 PWM fan, showing the fan blades and frame. Note the airflow direction indicators on the side of the fan frame.





Image: Rear view of the Noctua NF-P12 Redux 1700 PWM fan, displaying the motor hub and specifications label.

## 2. Using the NA-SYC1 Y-Splitter Cable

The NA-SYC1 Y-splitter cable allows you to connect two 4-pin PWM fans to a single 4-pin fan header on your motherboard. Both fans will operate at the same PWM-controlled speed, and the motherboard will receive RPM feedback from only one of the connected fans.

1. **Connect Fans:** Plug the 4-pin PWM connectors of both NF-P12 fans into the two female 4-pin connectors on the NA-SYC1 Y-splitter cable.
2. **Connect to Motherboard:** Plug the single male 4-pin connector of the NA-SYC1 Y-splitter cable into an available 4-pin PWM fan header on your motherboard.



Image: The Noctua NA-SYC1 Y-splitter cable, showing its two input connectors and single output connector, alongside its packaging.



Image: Close-up view of a 4-pin PWM fan connector, illustrating the pin configuration for power, ground, tachometer, and PWM signal.

### 3. Using the NA-SEC1 30cm Extension Cable

The NA-SEC1 30cm extension cable provides additional reach for your 4-pin PWM fan cables, useful for larger PC cases or specific cable management needs.

1. **Connect Fan:** Plug the 4-pin PWM connector of your NF-P12 fan (or the NA-SYC1 Y-splitter) into the female 4-pin connector of the NA-SEC1 extension cable.
2. **Connect to Motherboard:** Plug the male 4-pin connector of the NA-SEC1 extension cable into an available 4-pin PWM fan header on your motherboard.



Image: The Noctua NA-SEC1 30cm extension cable, showing its male and female 4-pin connectors, alongside its packaging.



Image: Close-up view of a 4-pin PWM extension cable connector, highlighting its design for secure connections.

## OPERATING INSTRUCTIONS

Once installed and connected, the Noctua NF-P12 Redux 1700 PWM fans will operate based on the PWM signal received from your motherboard or fan controller. PWM (Pulse Width Modulation) allows for dynamic speed control, adjusting fan speed according to system temperature for optimal cooling and noise levels.

- **BIOS/UEFI Settings:** Access your motherboard's BIOS/UEFI settings to configure fan curves and control profiles. Most motherboards offer options to set fan speeds based on CPU or system temperatures.
- **Software Control:** Some motherboards provide utility software for fan control directly within the operating system. Refer to your motherboard's manual for specific software options.
- **RPM Feedback:** When using the NA-SYC1 Y-splitter, only one fan's RPM signal will be reported to

the motherboard. Both fans will still respond to the PWM signal.

## MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your fans.

- **Dust Removal:** Periodically inspect the fan blades and frame for dust accumulation. Use compressed air or a soft brush to gently remove dust. Ensure the fan is powered off and stationary during cleaning.
- **Avoid Liquids:** Do not use liquid cleaners directly on the fan or its electrical components.

## TROUBLESHOOTING

- **Fan Not Spinning:**
  - Ensure the 4-pin PWM connector is securely plugged into the motherboard header.
  - Check BIOS/UEFI settings to confirm the fan header is enabled and configured correctly (e.g., not set to 0% PWM at idle temperatures).
  - Test the fan on a different fan header or with a known working fan to isolate the issue.
- **Excessive Noise/Vibration:**
  - Verify that the fan is securely mounted and not touching any other components or cables.
  - Check for dust accumulation on the fan blades and clean if necessary.
  - Adjust fan speed settings in BIOS/UEFI or software to a lower RPM if noise is a concern.
- **Incorrect RPM Reading (with Y-splitter):**
  - This is normal behavior. The NA-SYC1 Y-splitter reports RPM from only one fan. Both fans still receive the PWM signal for speed control.

## SPECIFICATIONS

Feature	Specification
Fan Model	Noctua NF-P12 Redux 1700 PWM
Dimensions	120 x 120 x 25 mm (4.72 x 4.72 x 0.98 inches)
Rotational Speed (Max)	1700 RPM
Power Connector	4-Pin PWM
Voltage	12 Volts
Wattage	1 Watt
Cooling Method	Forced Air
Compatible Devices	PC
Y-Splitter Cable	Noctua NA-SYC1 (2x 4-pin to 1x 4-pin)

Feature	Specification
Extension Cable	Noctua NA-SEC1 (30cm, 4-pin)

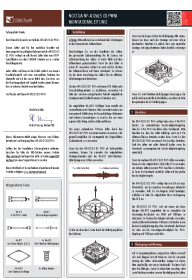


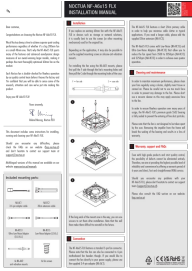
## WARRANTY INFORMATION

Noctua products are manufactured to high quality standards and come with a manufacturer's warranty. For detailed information regarding the warranty period and terms for your specific product, please refer to the official Noctua website or contact their customer support directly. Keep your proof of purchase for warranty claims.



## SUPPORT

Should you encounter any issues or have questions not covered in this manual, please visit the official Noctua website for FAQs, additional resources, and contact information for technical support.  
**Noctua Official Website:** <https://noctua.at/>

### Related Documents - NF-P12 Redux 1700 PWM, NA-SYC1, NA-SEC1

	<p><a href="#">Noctua NF-A12x25 G2 PWM Fan Installation Guide</a></p> <p>Comprehensive installation, connection, and maintenance guide for the Noctua NF-A12x25 G2 PWM fan. Learn how to properly mount, connect, and clean your fan for optimal performance and longevity.</p>
	<p><a href="#">Noctua NF-A15 PWM Fan User Manual and Installation Guide</a></p> <p>Comprehensive user manual for the Noctua NF-A15 PWM fan, covering installation, connection, cleaning, maintenance, and warranty information. Features premium cooling performance and quiet operation.</p>
	<p><a href="#">Noctua NF-A12x25 FLX User Manual: Installation, Connection, and Maintenance</a></p> <p>Comprehensive user manual for the Noctua NF-A12x25 FLX fan, covering installation on CPU heatsinks and radiators, connection details, cleaning, maintenance, and warranty information. Features premium SSO2 bearing and includes various accessories for optimal performance.</p>
	<p><a href="#">Noctua NF-A6x15 FLX Installation Manual</a></p> <p>Detailed installation guide for the Noctua NF-A6x15 FLX 60mm PC fan, covering setup, connection, cleaning, maintenance, and warranty information. Includes descriptions of included mounting hardware.</p>



	<p><a href="#">Noctua NF-A9 5V PWM Fan: Installation, Connection, and Maintenance Guide</a></p> <p>Official user manual for the Noctua NF-A9 5V PWM 92mm cooling fan. Provides detailed instructions for installation, various connection methods (PWM, 3-pin, USB, proprietary headers), cleaning, maintenance, and warranty information. Includes guidance on using the OmniJoin adaptor set.</p>
	<p><a href="#">Noctua NV-FS2 Multi-purpose Fan Set User Manual</a></p> <p>User manual for the Noctua NV-FS2 multi-purpose fan set, detailing its components, setup, speed control, and warranty information. Ideal for adding extra cooling to electronic devices.</p>