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## AsiaHorse DAWNPRO-B-1Pac-OSK-US

# AsiaHorse Dawn Pro 120mm ARGB PWM Case Fan User Manual

Model: DAWNPRO-B-1Pac-OSK-US

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## 1. INTRODUCTION

Thank you for choosing the AsiaHorse Dawn Pro 120mm ARGB PWM Case Fan. This high-performance fan is designed to provide efficient cooling and stunning customizable lighting for your PC build. Featuring a modular daisy chain design, Hydro-Dynamic Bearings (HDB) for quiet operation, and vibrant ARGB lighting, the Dawn Pro fan enhances both the aesthetics and thermal performance of your system. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and longevity of your fan.

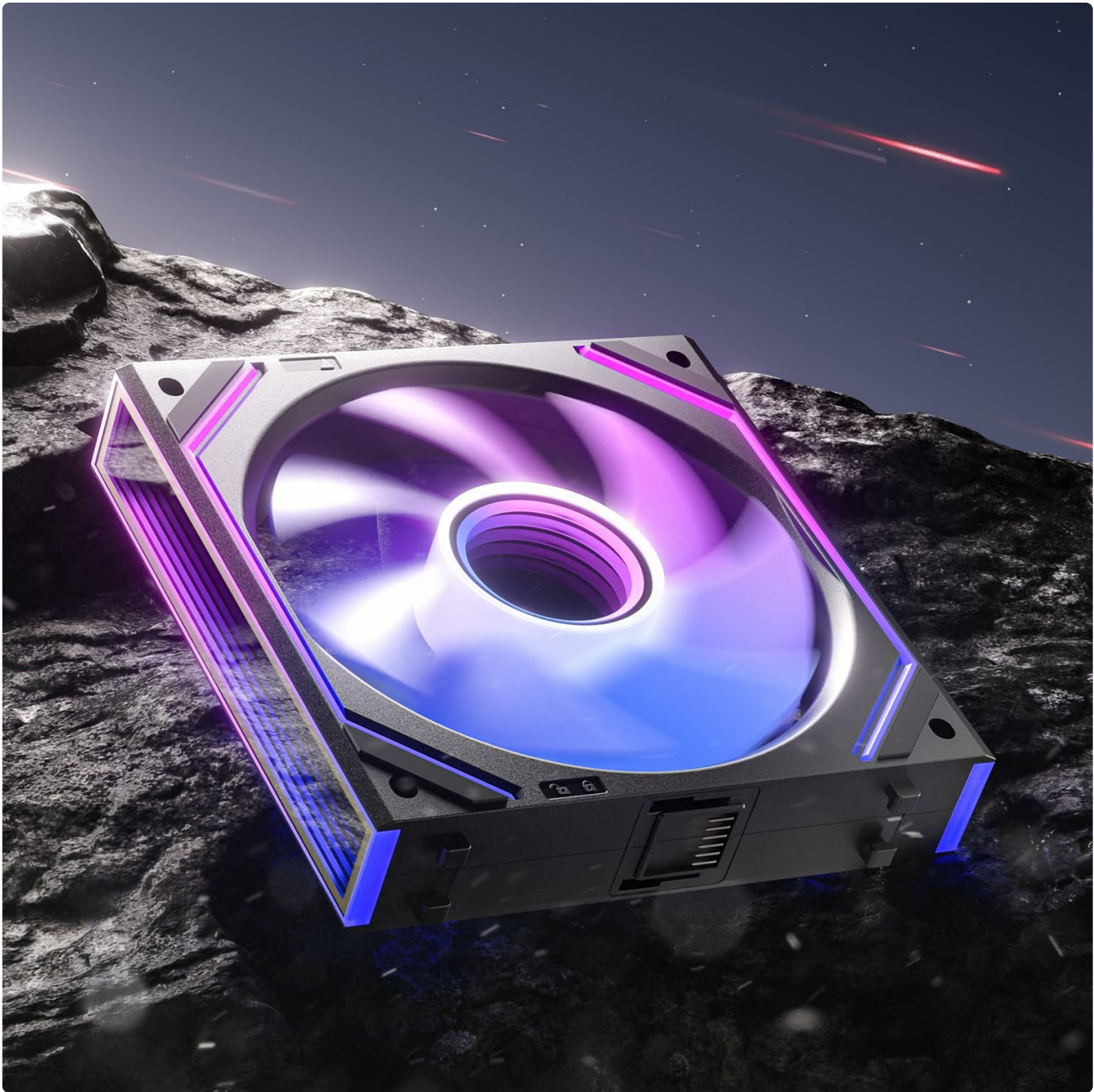


Figure 1: AsiaHorse Dawn Pro 120mm ARGB PWM Case Fan

## 2. KEY FEATURES

- **Modular Daisy Chain Connection:** Simplifies cable management by allowing multiple fans to be linked with a single cable.
- **Infinity Mirror & ARGB Lighting:** Features a unique ARGB layout for smooth, uniform lighting effects and seamless synchronization with major motherboard RGB software (ASUS Aura, GIGABYTE RGB Fusion, MSI Mystic Light).
- **Hydro-Dynamic Bearings (HDB):** Ensures quiet operation and extended lifespan by reducing friction.
- **High Performance Cooling:** PWM-controlled blades deliver up to 71 CFM airflow and 2.6 mmH<sub>2</sub>O static pressure for effective heat dissipation.
- **Forward/Reverse Blade Options:** Offers flexibility for optimizing airflow direction (expel hot air or draw in fresh air) while maintaining aesthetic consistency.

## 3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- AsiaHorse Dawn Pro 120mm Case Fan (quantity as purchased)
- PWM & ARGB Cable
- Mounting Screws
- Instruction Manual

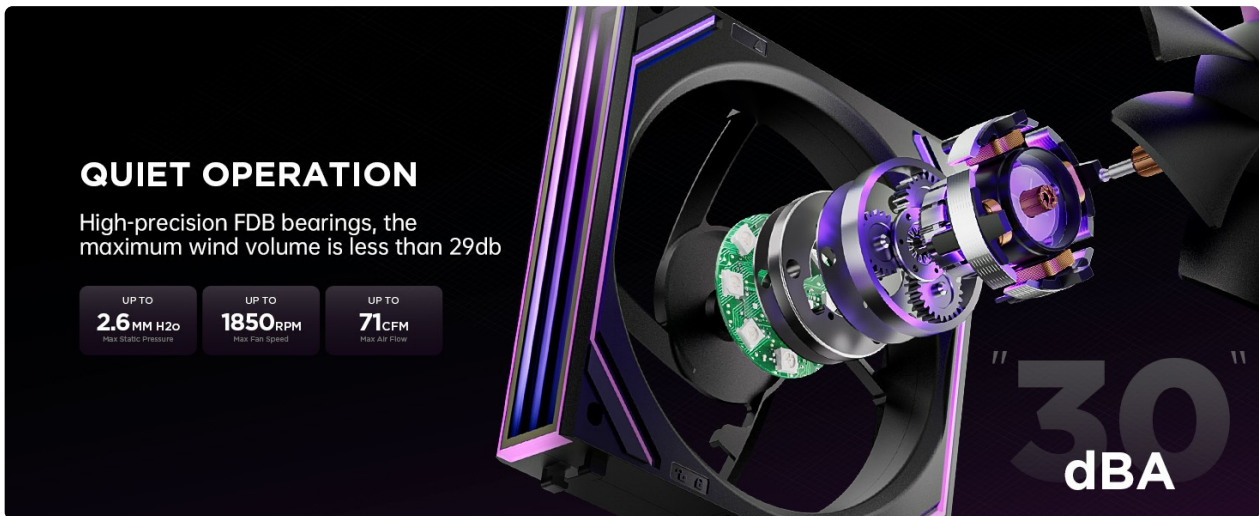


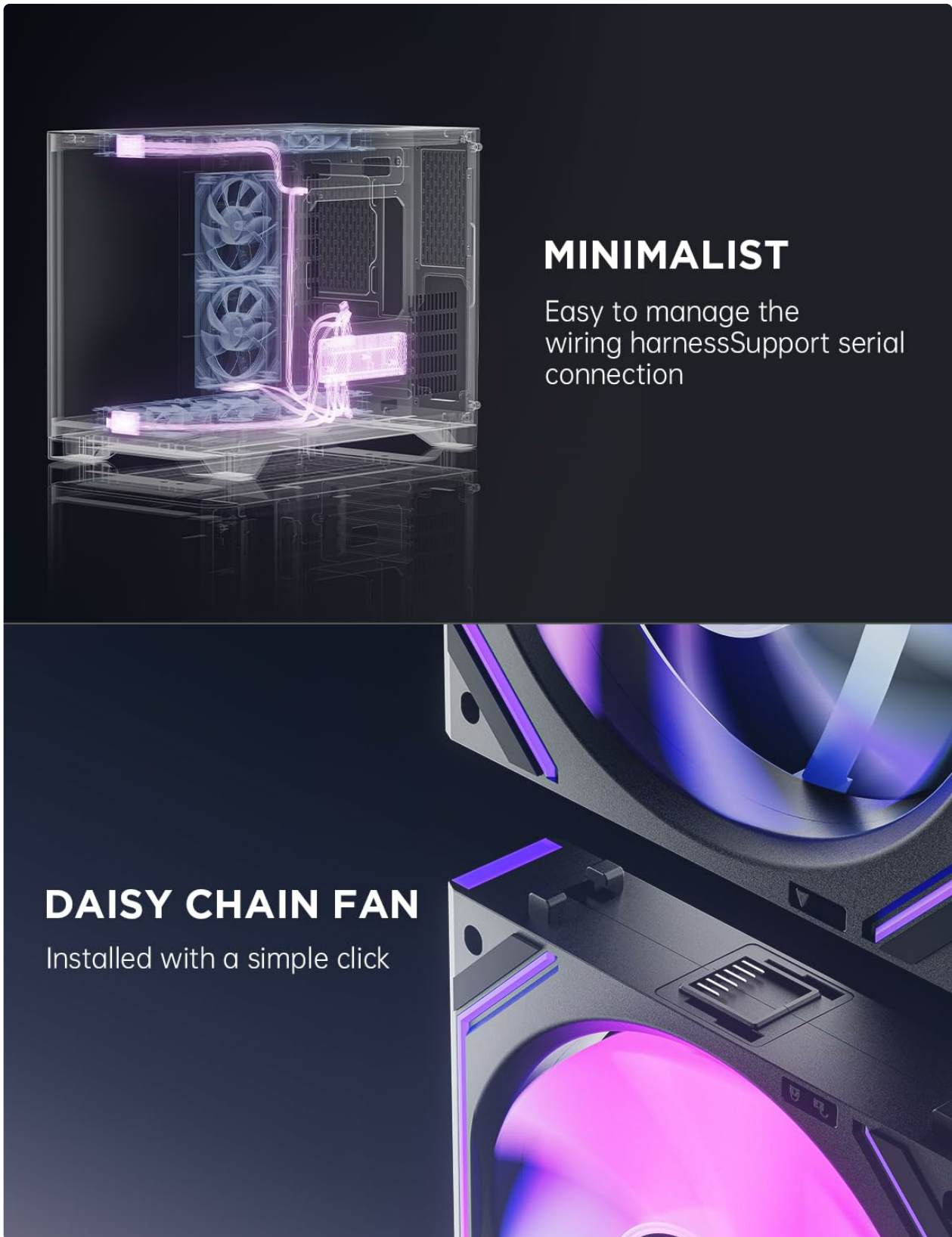
Figure 2: Example of Package Contents (may vary based on pack size)

## 4. SETUP

### 4.1 Modular Daisy Chain Connection

The Dawn Pro fans feature a modular daisy chain design for simplified installation and cable management. This allows you to connect multiple fans together with a single cable connection to your motherboard or controller.

1. Align the fans: Ensure the fans are oriented correctly for your desired airflow.
2. Slide to connect: Gently slide the fans together until the locking mechanisms engage. You should hear a click.
3. Connect the combo cable: Attach the provided PWM and ARGB combo cable to the **last fan** in the daisy chain. Ensure the connection is tight and secure.



*Figure 3: Modular Daisy Chain Connection*

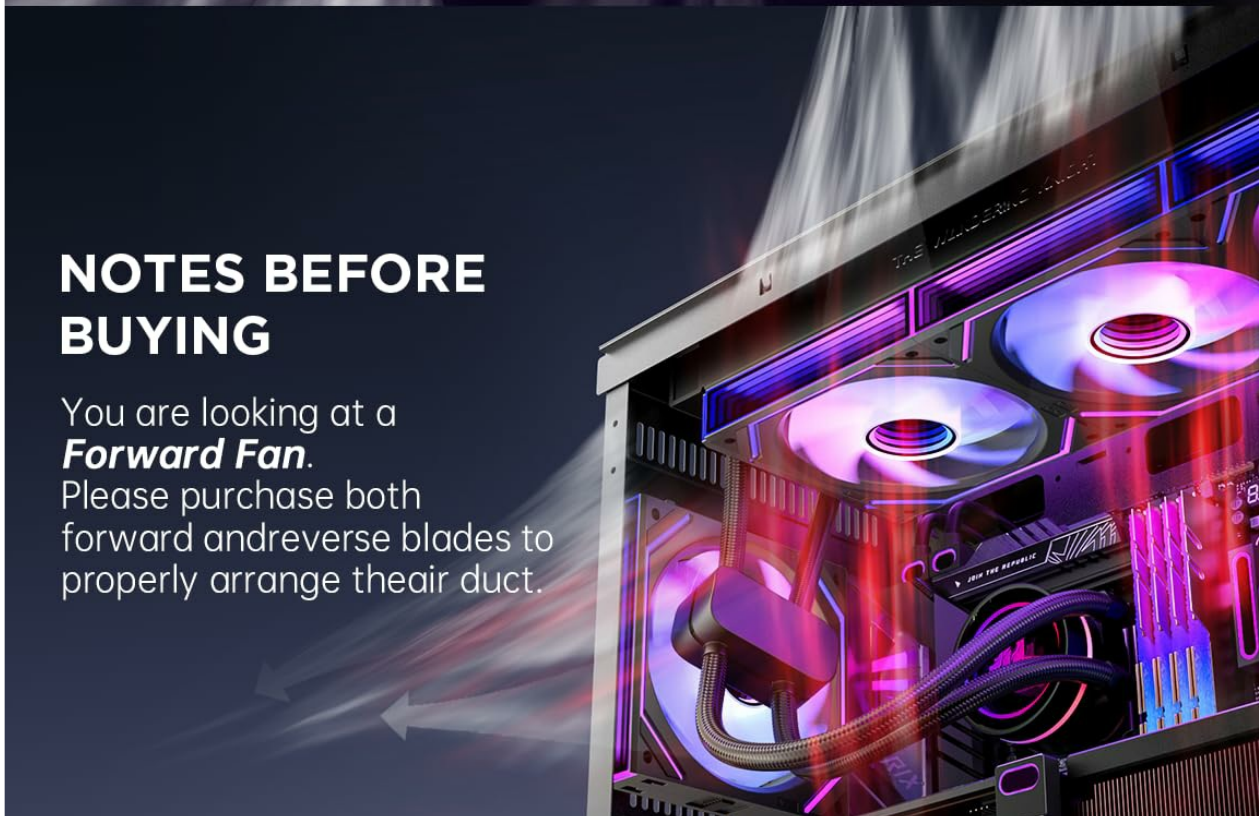
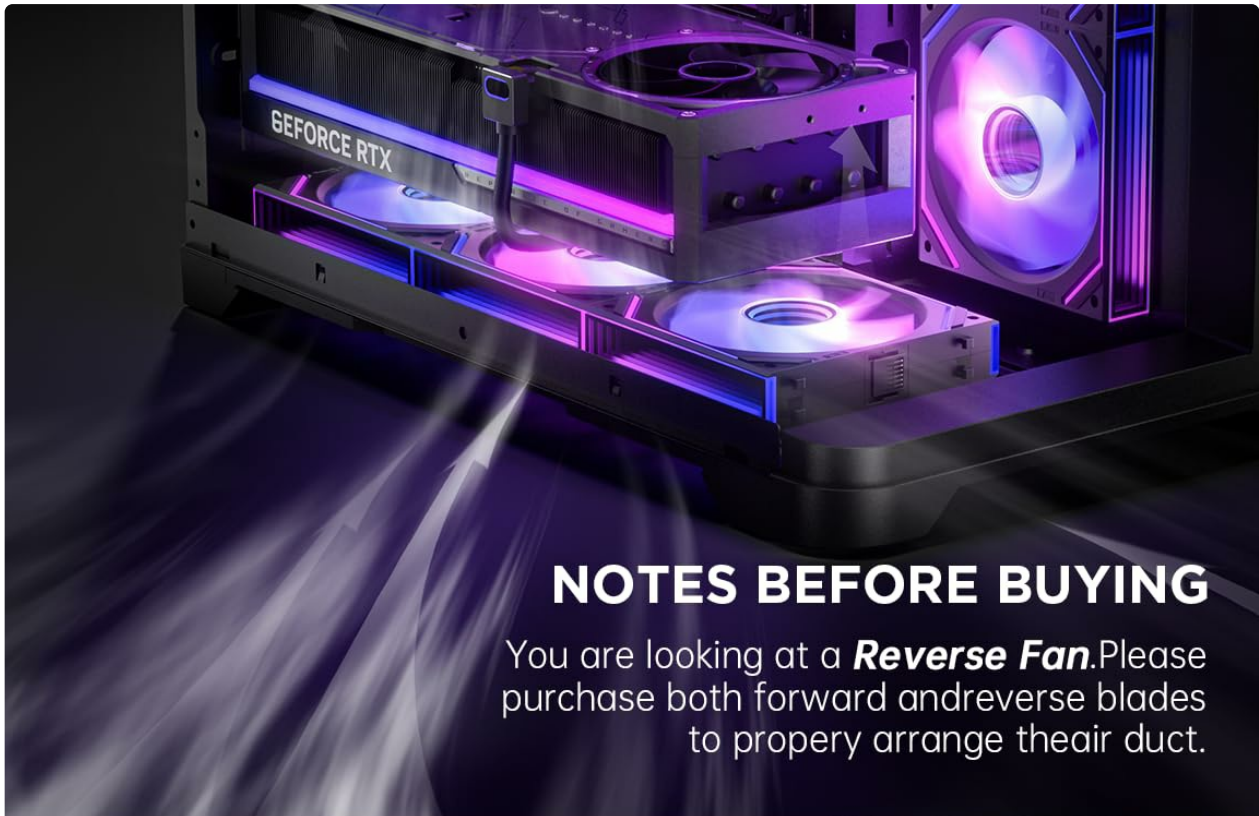
For a visual guide on the installation process, please refer to the video below:

*Video 1: Dawn Pro Series - Installation Demonstration. This video illustrates the step-by-step process of connecting the fans using the modular daisy chain system and securing them in a PC case.*

## **4.2 Forward and Reverse Blade Design**

The Dawn Pro fans are available in both forward and reverse blade configurations to optimize airflow for different mounting positions within your PC case. Choose the appropriate blade type based on your cooling needs:

- **Forward Blade:** Designed to expel hot air. Ideal for case rear, front, top, radiators, and CPU air coolers.
- **Reverse Blade:** Designed to draw in fresh air. Ideal for case bottom, side, and CPU air coolers.



*Figure 4: Forward vs. Reverse Blade Fans*

Observe the visual differences and airflow patterns of the fan blades in the following video:

*Video 2: Dawn Pro Series - Product Appearance Display - Black. This video showcases the aesthetic design and different blade orientations of the Dawn Pro fans.*

## 5. OPERATION

## 5.1 ARGB Lighting Control

The Dawn Pro fans feature addressable RGB (ARGB) lighting with an infinity mirror effect, allowing for extensive customization. The lighting can be controlled and synchronized with your motherboard's RGB software:

- **Compatibility:** Fully compatible with ASUS Aura Sync, GIGABYTE RGB Fusion, and MSI Mystic Light.
- **Customization:** Use your motherboard's software to select various lighting modes, colors, and effects to match your PC's aesthetic.



**ULTRA HIGH PERFORMANCE HDB BEARINGS**

Large size 9 fan blades & HDB bearings, greater air volume and higher air pressure at the same speed!

**2.6 MM H2O**  
Max Static Pressure

**71 CFM**  
Max Air Flow

**30 dBA**  
Noise Level

**1850 RPM**  
Max Fan Speed

Figure 5: Infinity Mirror ARGB Lighting

Explore the dynamic lighting effects of the Dawn Pro fans in the video below:

*Video 3: Dawn Pro Series - Lighting Effects Display. This video demonstrates various ARGB lighting patterns and colors achievable with the fans.*

## 5.2 Fan Speed Control (PWM)

The fans utilize Pulse Width Modulation (PWM) technology, allowing your motherboard to precisely control fan speed based on system temperature. This ensures optimal cooling performance while minimizing noise levels.

- Connect the 4-pin PWM connector to a compatible header on your motherboard.
- Configure fan curves in your motherboard's BIOS/UEFI settings or through dedicated software to balance cooling and acoustics.

## 6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your AsiaHorse Dawn Pro fans.

- **Cleaning:** Periodically clean dust from the fan blades and frame using compressed air or a soft, dry cloth. Ensure the PC is powered off and unplugged before cleaning.
- **Inspection:** Check for any loose connections or obstructions that might impede fan rotation.

## 7. TROUBLESHOOTING

If you encounter issues with your Dawn Pro fans, consider the following common solutions:

### 7.1 Fans Not Spinning or Lighting Up

- **Check Connections:** Ensure all modular daisy chain connections are secure and the combo cable is firmly plugged into the last fan. Verify the PWM and ARGB cables are correctly connected to your motherboard or controller.
- **Power Supply:** Confirm your power supply is providing adequate power to the fan controller or motherboard headers.
- **Motherboard Settings:** Check your motherboard's BIOS/UEFI settings to ensure fan headers are enabled and configured correctly.
- **Software Issues:** If ARGB lighting is not working, ensure your motherboard's RGB software is installed, up-to-date, and correctly detecting the fans.

Improper connections are a common cause of issues. The following video highlights the importance of secure connections:

*Video 4: Dawn Pro Series - Installation Demonstration. This video emphasizes proper connection techniques to avoid common issues.*

### 7.2 Excessive Noise

- **Dust Buildup:** Clean the fan blades and motor housing to remove any dust or debris.
- **Loose Mounting:** Ensure the fan is securely mounted and screws are tightened to prevent vibrations.
- **Obstructions:** Check for any cables or components touching the fan blades.
- **Fan Speed:** Adjust fan speed settings in your motherboard's BIOS/UEFI or software to a lower RPM if noise is a concern and temperatures allow.

## 8. SPECIFICATIONS

Feature	Detail
Product Dimensions	120 x 120 x 25 mm (4.72"L x 4.72"W x 0.1"H)
Item Model Number	DAWNPRO-B-1Pac-OSK-US
Brand	AsiaHorse
Power Connector Type	4-Pin (PWM)
Cooling Method	Air
Compatible Devices	Motherboard
Noise Level	Up to 29 Decibels (dBA)
Material	Plastic
Maximum Rotational Speed	1850 RPM
Air Flow Capacity	71 Cubic Feet Per Minute (CFM)
Static Pressure	2.6 mmH <sub>2</sub> O
Bearing Type	Hydro-Dynamic Bearing (HDB)

## 9. WARRANTY & SUPPORT

AsiaHorse products are manufactured to the highest quality standards. For warranty information, technical support, or customer service inquiries, please visit the official AsiaHorse website or contact your retailer. Please retain your proof of purchase for warranty claims.