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darkFlash DWP90M

darkFlash Micro-ATX Gaming PC Case DWP90M Instruction Manual

Model: DWP90M | Brand: darkFlash

1. INTRODUCTION

The darkFlash DWP90M Micro-ATX Gaming PC Case is engineered for enthusiasts seeking a compact yet powerful build. It features a panoramic view with dual tempered curved glass, optimized airflow, and robust support for high-end components. This manual provides essential information for the safe and efficient setup, operation, and maintenance of your new PC case.

Key Features:

- Innovative Curved Glass Views:** Experience an awe-inspiring 270° panoramic tempered glass panel.
- Enhanced Cooling Efficiency:** Supports up to 9 x 120mm fans and dual 360mm radiators for peak thermal performance.
- Spacious Interior:** Accommodates large GPUs (up to 4090) and multiple storage options.
- USB 3.0 Port & Durable Materials:** High-speed I/O panel and premium construction for longevity.
- Easy Installation:** User-friendly design with hassle-free cable management.

2. SAFETY INFORMATION

- Always handle tempered glass panels with extreme care to prevent breakage.
- Ensure all power connections are secure and correctly oriented before operating the system.
- Refer to your motherboard and other component manuals for specific installation and compatibility instructions.
- Disconnect the power supply from the wall outlet before performing any installation, maintenance, or cleaning.

3. PACKAGE CONTENTS

- darkFlash DWP90M Micro-ATX PC Case (White)
- 3 x 120mm ARGB Fans (pre-installed)

- Accessory Kit (various screws, cable ties, standoffs)

Note: An RGB Hub Controller is not included with this product.

4. SPECIFICATIONS

Feature	Specification
Brand	darkFlash
Model Name	DWP90M
Motherboard Compatibility	Micro ATX
Case Type	Midi Tower
Product Dimensions (LxWxH)	11.22 x 18.11 x 15.6 inches
Item Weight	15.56 pounds
Color	White
Material	Metal, Tempered Glass
Number of USB 3.0 Ports	2
Cooling Method	Air, Water
Fan Size	120 Millimeters
Power Supply Mounting Type	Bottom Mount

5. INSTALLATION GUIDE

5.1. Preparing the Case

Before installing components, ensure the case is on a stable, flat surface. Remove the side panels to access the interior. The darkFlash DWP90M features screwless disassembly for easy access.



Image: The darkFlash DWP90M PC case with its top and side panels removed, illustrating the screwless disassembly feature for easy access to internal components.

5.2. Motherboard Installation

Install your Micro-ATX motherboard onto the designated standoffs within the case. Secure it with the provided screws from the accessory kit.

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Video: A demonstration of installing a motherboard into a PC case, showing the process of aligning and securing the board. This video is from AsiaHorse Pegasus PC Case Assembly Demo.

5.3. Cooling System Setup

The DWP90M supports extensive cooling configurations. It comes with 3 x 120mm ARGB fans pre-installed. You can add up to 9 x 120mm fans and dual 360mm radiators for optimal thermal management.

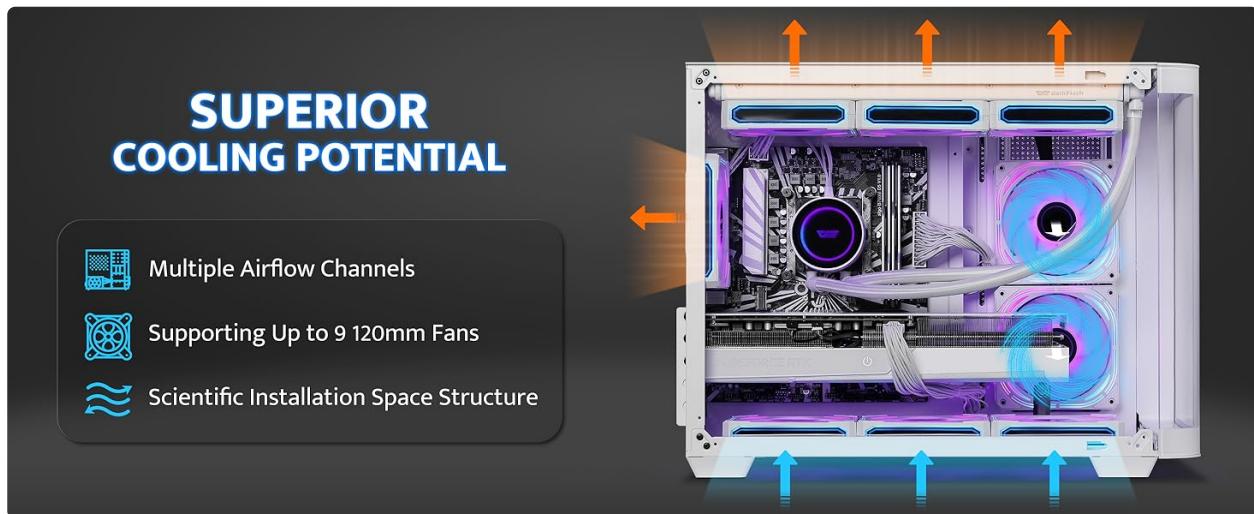


Image: An internal view of the darkFlash DWP90M PC case highlighting the high-airflow performance with arrows indicating air intake and exhaust, and showing the placement of 120mm ARGB fans.

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Video: A short overview of the darkFlash DWP90M MATX PC Case, showcasing its curved glass design and the included 3 ARGB fans.

5.4. Power Supply Installation

The power supply unit (PSU) is installed in the bottom mount of the case. Ensure proper orientation for cable routing and airflow.

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Video: This darkFlash video demonstrates the installation of a power supply unit (PSU) into a gaming PC case, highlighting the bottom mount location and cable management.

5.5. Graphics Card Installation

The spacious interior allows for the installation of high-end graphics cards, including models up to 4090. Secure the GPU using the PCI slots.

270° HYPERBOLOID GLASS DESIGN

- Innovative Curved Design
- Smooth and Elegant R Angle Transition
- Beautiful Lines from Every Angle



Image: An internal diagram of the darkFlash DWP90M PC case, illustrating maximum component dimensions for CPU cooler, power supply, VGA, and radiator support.

5.6. Storage Drive Installation

Utilize the multi-function bracket for installing SSDs and HDDs. The case supports 3 x 2.5" SSDs and 2 x 3.5" HDDs.



Image: A detailed view of the hard drive bracket in the darkFlash DWP90M PC case, showing support for both HDD and SSD installations.

5.7. Cable Management

The case is designed with ample space behind the motherboard tray for efficient cable management, ensuring a clean aesthetic and unobstructed airflow.

CABLE ASSEMBLY OPTIMIZATION



Image: An internal view of the darkFlash DWP90M PC case highlighting optimized cable assembly and routing for a clean build.

6. OPERATING INSTRUCTIONS

6.1. Connecting Peripherals

Connect your peripherals to the front I/O panel, which includes USB 3.0, USB 2.0, and HD Audio ports. The power and reset buttons are also located here.



Image: A close-up of the darkFlash DWP90M PC case's front I/O panel, detailing the USB 3.0, USB 2.0, HD Audio, LED, and Reset ports.

6.2. Powering On

Once all components are installed and connected, ensure the power supply switch is in the 'ON' position. Press the power button on the front I/O panel to start your system.

6.3. ARGB Lighting Control

The pre-installed ARGB fans can be controlled via your motherboard's compatible ARGB software. Refer to your motherboard manual for specific instructions on software installation and lighting customization.

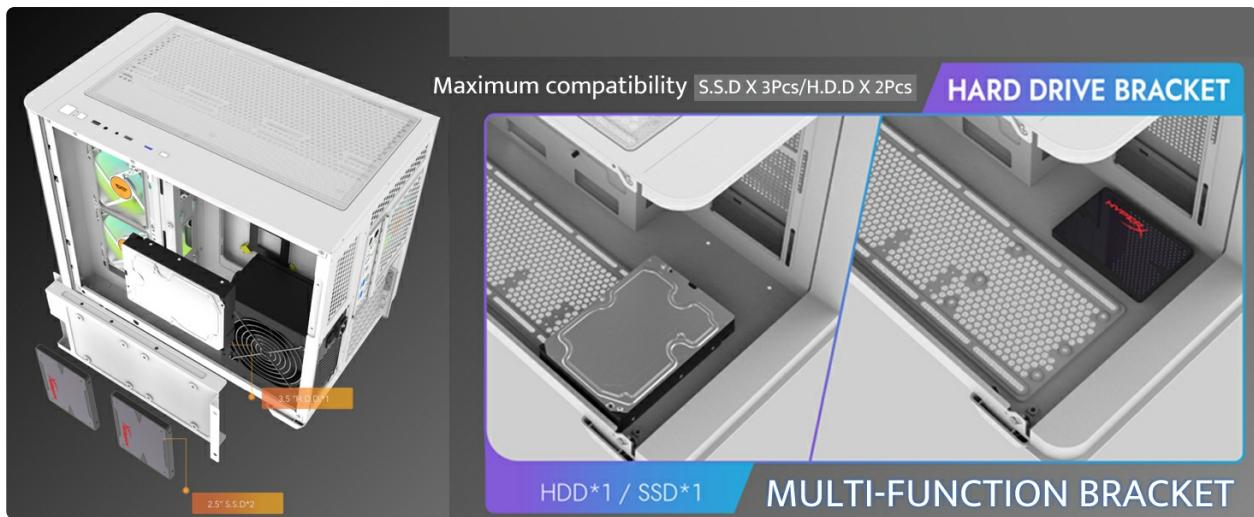


Image: The darkFlash DWP90M PC case showcasing its ARGB fans and illustrating how lighting can be customized via compatible software.

7. MAINTENANCE

7.1. Dust Filter Cleaning

The case features magnetic dust filters on the mesh panels. Regularly remove and clean these filters to maintain optimal airflow and prevent dust buildup inside your system.

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Video: This darkFlash video demonstrates the magnetic dust filter feature of a gaming PC case, showing how it can be easily removed for cleaning.

7.2. General Cleaning

Periodically inspect internal components for dust and clean as necessary using compressed air or a soft brush. Ensure the system is powered off and unplugged before cleaning.

8. TROUBLESHOOTING

- No Power:** Ensure all power cables (24-pin ATX, 8-pin CPU, GPU power) are securely connected to the motherboard, graphics card, and power supply. Verify the PSU's main switch is in the 'ON' position.
- Poor Airflow/Overheating:** Check if all installed fans are spinning correctly. Clean any accumulated dust from the magnetic dust filters and internal components. Ensure fans are oriented correctly for intake and exhaust.
- ARGB Lighting Issues:** Confirm that the ARGB fans are correctly connected to your motherboard's ARGB header or a compatible controller. If using motherboard software, ensure it is up-to-date and configured correctly.
- Cable Management Difficulties:** Utilize the dedicated cable routing channels and tie-down points located behind the motherboard tray to organize cables effectively.

9. WARRANTY AND SUPPORT

For detailed warranty information, technical support, or to inquire about replacement parts, please visit the official darkFlash website or contact your authorized retailer. Keep your proof of purchase for warranty claims.

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