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darkFlash F1

darkFlash FLOATRON F1 Micro-ATX PC Case Instruction Manual

Model: F1

Brand: darkFlash

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1. SETUP

The darkFlash FLOATRON F1 Micro-ATX PC Case features a 270° panoramic glass view and a unique floating design. This section guides you through the initial setup of your PC components within the case.

1.1 Unpacking and Initial Inspection

Carefully remove the PC case from its packaging. Inspect for any signs of damage during transit. Ensure all accessories listed in the packing list are present.



Image 1.1: Front-side view of the darkFlash FLOATRON F1 PC Case, showcasing its panoramic glass and internal component visibility with blue lighting.

1.2 Accessing the Interior

The case is designed with four-side quick-release panels for easy access to internal components. Gently pull on the designated areas to detach the side panels. The front panel is also removable for maintenance or fan installation.



Image 1.2: Side view of the darkFlash FLOATRON F1 PC Case, highlighting the mesh side panel for airflow and the integrated I/O ports on the base.

1.3 Motherboard Installation

The FLOATRON F1 supports M-ATX and ITX motherboards, including back-connect layouts. Install the motherboard onto the standoffs provided. Ensure all screws are securely fastened.

MATX PC CASE

360mm Radiator/280mm Radiator



Image 1.3: Rear interior view of the darkFlash FLOATRON F1 PC Case, illustrating the design for back-connect motherboards and ample space for cable management behind the tray.

1.4 Power Supply Installation

The innovative bottom-mounted PSU layout provides ample space. Install your power supply unit (PSU) in the dedicated compartment within the base. Route cables through the provided cutouts for a tidy build.

Your browser does not support the video tag.

Video 1.1: An official darkFlash video demonstrating the features and assembly of the FLOATRON F1 MATX PC Case, including component installation and design highlights.

2. OPERATING

This section details the operational aspects of the darkFlash FLOATRON F1 PC Case, focusing on its cooling capabilities and connectivity.

2.1 Airflow and Cooling

The FLOATRON F1 is designed for optimized airflow. Cool air is drawn from the bottom and sides, while hot air exhausts from the top and rear. The case comes pre-installed with 3 darkFlash DM08 ARGB PWM fans for efficient cooling and customizable lighting.



Image 2.1: Diagram showing the optimized airflow within the darkFlash FLOATRON F1 PC Case, with arrows indicating cool air intake from the bottom and sides, and hot air exhaust from the top.

2.2 Internal Layout and Space Utilization

The re-engineered bottom design maximizes space, boosting interior capacity for easier builds and cleaner cable management. The case supports GPUs up to 350mm, CPU coolers up to 185mm, and 360mm liquid cooling solutions.

OPTIMIZED INTERNAL LAYOUT

Reengineered bottom design maximizes space use, boosting interior capacity to 92% for easier builds and cleaner cable management.



Image 2.2: Internal layout diagram of the darkFlash FLOATRON F1 PC Case, highlighting the power supply sinking area and overall optimized space utilization for components.

2.3 Connectivity (I/O Ports)

The side-mounted I/O panel provides convenient access to essential ports, including a Type-C port, two USB 3.0 ports, and HD Audio jacks. These are located on the floating extended base.



Image 2.3: Close-up view of the darkFlash FLOATRON F1 PC Case's floating extended base, showcasing the integrated I/O ports for easy connectivity.

Your browser does not support the video tag.

Video 2.1: An official darkFlash video demonstrating the airflow capabilities and design of the FLOATRON F1(2025) case, emphasizing cooling from every angle.

3. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your darkFlash FLOATRON F1 PC Case.

3.1 Dust Filter Cleaning

The case features magnetic dust filters for superior cooling performance while keeping your build clean. Regularly remove and clean these filters to prevent dust buildup and maintain optimal airflow. Use a soft brush or compressed air to remove accumulated dust.

3.2 Panel Removal and Reinstallation

The screwless front and side panels allow for quick, tool-free access for cleaning or component upgrades. To remove,

gently pull the panels away from the chassis. To reinstall, align the panels with their respective slots and push until they click securely into place.

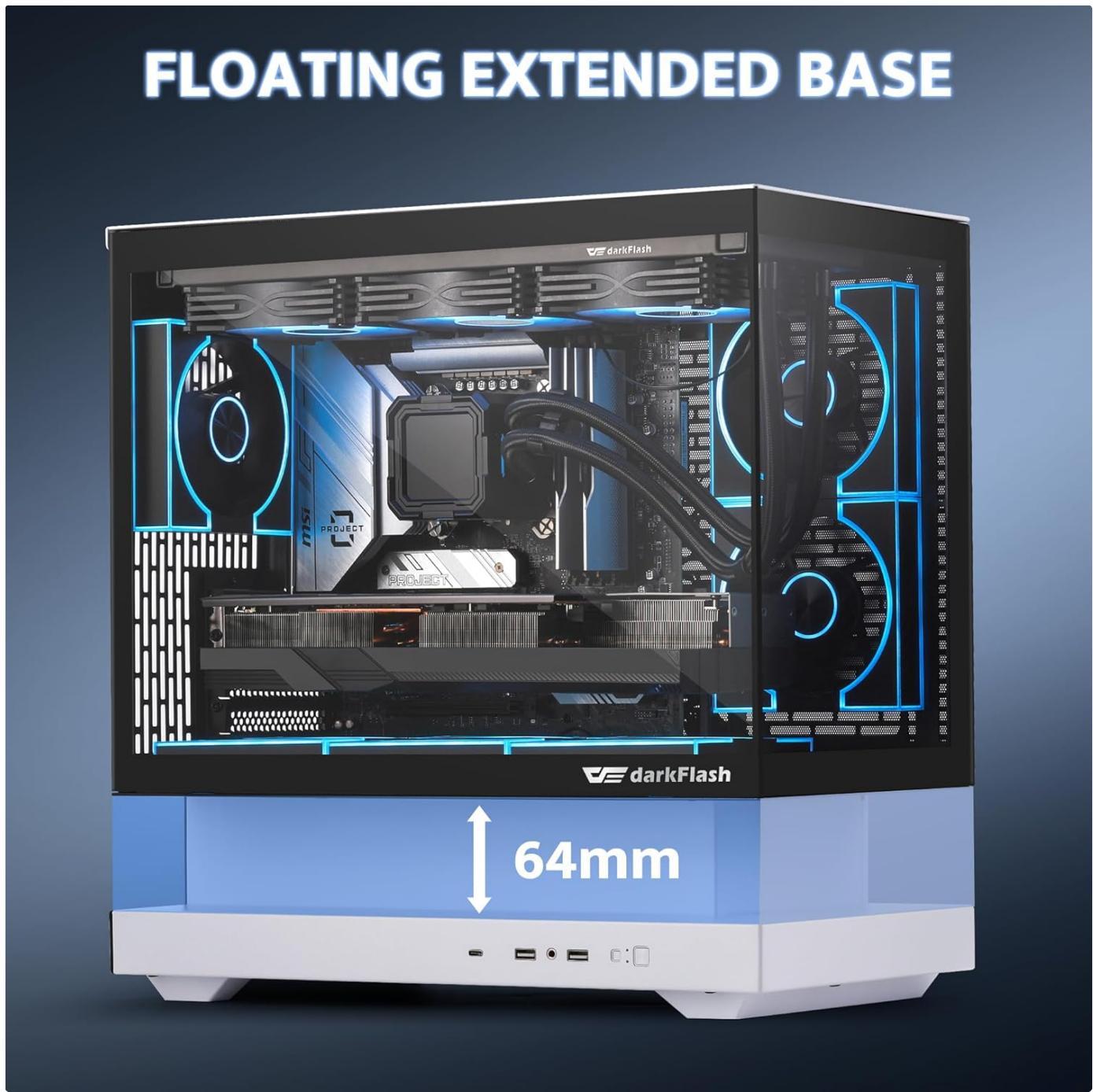


Image 3.1: Diagram illustrating the clamshell side panel opening mechanism of the darkFlash FLOATRON F1 PC Case, demonstrating easy, tool-free access to the interior.

3.3 General Cleaning

Use a soft, dry cloth to wipe down the exterior surfaces of the case. For glass panels, a microfiber cloth with a mild glass cleaner can be used. Avoid abrasive cleaners or solvents that may damage the finish.

4. TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues you might encounter with your PC build in the darkFlash FLOATRON F1 case.

4.1 PC Not Powering On

- Ensure the power supply unit (PSU) is properly connected to the wall outlet and the power switch on the PSU is in the 'ON' position.
- Verify that the 24-pin ATX power cable and the 8-pin CPU power cable are securely connected to the motherboard.
- Check that the front panel power switch cable is correctly connected to the motherboard's front panel header. Refer to your motherboard manual for the correct pinout.

4.2 Fans Not Spinning or RGB Not Lighting Up

- Confirm that the fan power cables are connected to the appropriate fan headers on the motherboard or a fan controller.
- For ARGB lighting, ensure the 3-pin ARGB cable from the fans is connected to a compatible ARGB header on your motherboard or an ARGB controller.
- Check your motherboard's BIOS/UEFI settings or RGB software for fan speed and lighting control.

4.3 USB Ports or Audio Jacks Not Functioning

- Verify that the USB 3.0, Type-C, and HD Audio cables from the case's front I/O panel are correctly connected to their respective headers on the motherboard.
- Ensure the necessary drivers for your motherboard's chipset and audio are installed.

5. SPECIFICATIONS

Key technical specifications for the darkFlash FLOATRON F1 Micro-ATX PC Case.

Feature	Specification
Model Name	FLOATRON F1
Case Type	Micro Tower (Micro-ATX)
Motherboard Compatibility	M-ATX, ITX (supports back-connect)
Dimensions (LxWxH)	15 x 9 x 18.1 inches (381 x 228.6 x 459.7 mm)
Item Weight	11.57 pounds (5.26 kg)
Material	Metal, Tempered Glass
GPU Clearance	Up to 350mm (Max 425mm, refer to Image 5.1)
CPU Cooler Height	Up to 185mm
Liquid Cooling Support	Up to 360mm AIO
Pre-installed Fans	3x darkFlash DM08 ARGB PWM Fans
I/O Ports	1x Type-C, 2x USB 3.0, HD Audio
PSU Mounting Type	Bottom Mount
PCIe Slots	5
Drive Bays	Multiple HDD/SSD mounts

SUPPORT BACK-CONNECT MOTHERBOARDS

For a cleaner build and smoother airflow



Image 5.1: Internal dimensions diagram of the darkFlash FLOATRON F1 PC Case, detailing maximum supported lengths for GPU (425mm), CPU cooler height (185mm), and radiator sizes (360mm/280mm).

6. WARRANTY INFORMATION

For detailed warranty information regarding your darkFlash FLOATRON F1 PC Case, please refer to the warranty card included with your product packaging or visit the official darkFlash website. Warranty terms and conditions may vary by region and retailer.

7. CUSTOMER SUPPORT

Should you require further assistance, technical support, or have questions not covered in this manual, please contact darkFlash customer support through their official website or the contact information provided in your product documentation. You can also visit the [darkFlash Store on Amazon](#) for additional resources.

