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› be quiet! Pure Base 500DX ATX Mid Tower PC Case User Manual

be quiet! BGW37

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Model: BGW37

1. INTRODUCTION

The be quiet! Pure Base 500DX is a high-performance ATX mid-tower PC case designed for optimal airflow and silent operation. It features a high airflow intake front panel and top cover, pre-installed Pure Wings 2 fans, ARGB LED lighting, and a tempered glass side panel. This manual provides detailed instructions for the installation, operation, and maintenance of your Pure Base 500DX PC case.



Figure 1: Front view of the be quiet! Pure Base 500DX PC case, showcasing its black finish and illuminated ARGB strips on the front panel.

2. SAFETY INFORMATION

- Always disconnect the power supply from the wall outlet before performing any installation or maintenance inside the PC case.
- Handle components with care to avoid damage from electrostatic discharge. Consider using an anti-static wrist strap.
- Be cautious of sharp edges inside the case during installation.
- Do not obstruct the ventilation openings of the case to ensure proper airflow and cooling.

- Keep the case away from direct sunlight, heat sources, and moisture.
- This product is intended for indoor use only.

3. PACKAGE CONTENTS

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

- be quiet! Pure Base 500DX PC Case
- 3 x Pre-installed Pure Wings 2 140mm Fans
- Tempered Glass Side Panel
- Accessory Box (containing screws, cable ties, and other mounting hardware)
- User Manual (this document)



Figure 2: Overview of the accessory kit, including various screws, cable ties, and the removable HDD cage.

4. SPECIFICATIONS

Feature	Detail
Model Name	BGW37
Case Type	Mid Tower
Motherboard Compatibility	ATX / M-ATX / Mini-ITX
Dimensions (L x W x H)	20 x 11.5 x 19.75 inches (508 x 292 x 501 mm)
Item Weight	17.16 pounds (7.8 kg)

Feature	Detail
Material	Steel, ABS, 4mm Tempered Glass
Pre-installed Fans	3 x Pure Wings 2 140mm (1 front, 1 top, 1 rear)
Cooling Method	Air, Water (supports radiators up to 360mm)
Front I/O Ports	1 x USB 3.1 Type C Gen. 2, 1 x USB 3.0, Audio In/Out, ARGB Control Button
Drive Bays	Up to 5 x SSDs, 2 x HDDs (double HDD cage)
PSU Compatibility	Standard ATX PS/2 (installed from rear)
Special Features	ARGB LED lighting (front & interior), PSU shroud, smart cable routing

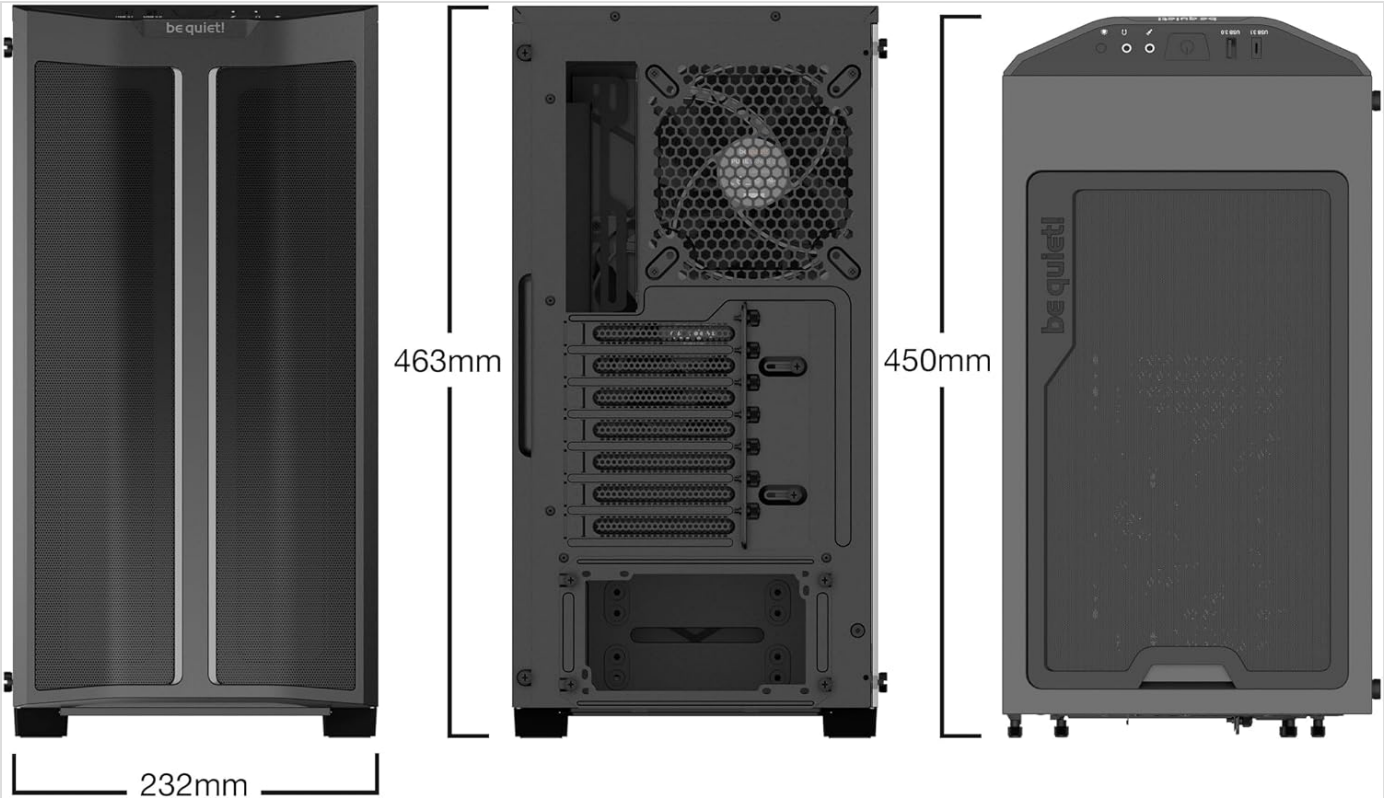


Figure 3: Dimensional drawing of the Pure Base 500DX case, indicating key measurements in millimeters.

5. SETUP AND INSTALLATION

Follow these steps to install your PC components into the Pure Base 500DX case.

5.1 Preparing the Case

1. Remove the tempered glass side panel by unscrewing the thumbscrews at the rear and carefully pulling the panel away.
2. Remove the solid side panel by unscrewing the thumbscrews at the rear and sliding it backward.
3. The front panel can be removed by pulling it firmly from the bottom edge. This provides access for front fan/radiator installation and cleaning.
4. The top mesh panel can be removed by sliding it backward after removing the top dust filter.

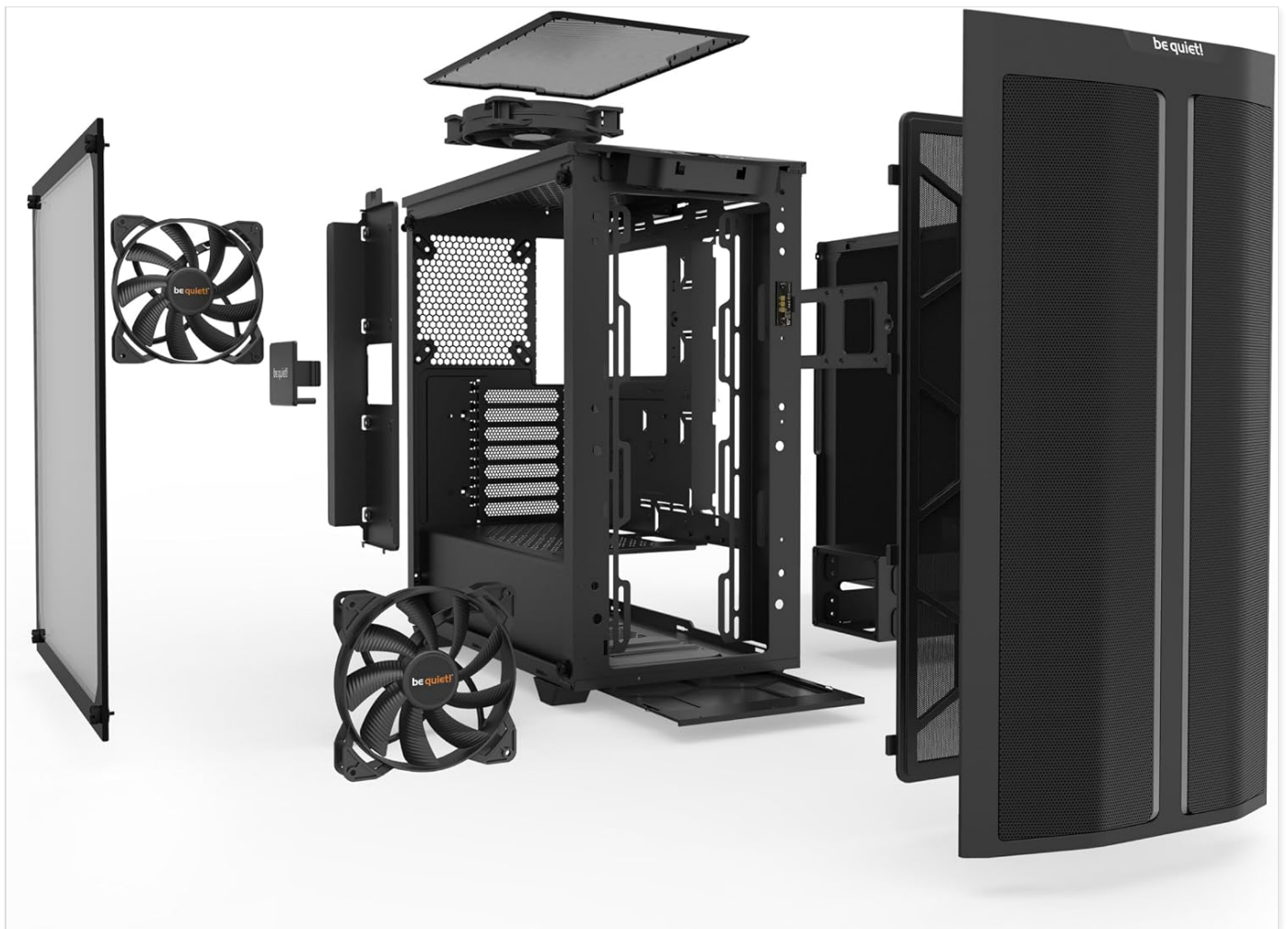


Figure 4: Exploded view illustrating the modular design of the Pure Base 500DX, with all panels and internal components detached.

5.2 Motherboard Installation

The case supports ATX, M-ATX, and Mini-ITX motherboards. Standoffs for ATX are pre-installed.

1. Align your motherboard with the pre-installed standoffs. Ensure the I/O shield is in place.
2. Secure the motherboard using the appropriate screws from the accessory kit.



Figure 5: Internal layout of the Pure Base 500DX, highlighting the spacious interior and various mounting points for components.

5.3 Power Supply Unit (PSU) Installation

The PSU is installed from the rear of the case.

1. Attach the PSU mounting bracket to your power supply unit using the provided screws.
2. Slide the PSU with the attached bracket into the rear opening of the case until it clicks into place.
3. Secure the bracket to the case with the thumbscrews.



Figure 6: Rear interior view of the case, illustrating the dedicated compartment for the power supply unit and ample space for cable routing behind the motherboard tray.

5.4 Storage Device Installation (SSDs/HDDs)

The case offers versatile storage options:

- **SSD Installation:** Up to five SSDs can be installed. Two SSDs can be mounted prominently behind the window panel using the dedicated brackets. Additional SSD mounts are available behind the motherboard tray and on the HDD cage.
- **HDD Installation:** The double HDD cage is located under the PSU shroud. It can be moved to two different positions to accommodate longer PSUs or front radiators. HDDs are installed into the cage using decoupled mountings to reduce vibration.

5.5 Fan and Radiator Installation

The Pure Base 500DX comes with three pre-installed 140mm Pure Wings 2 fans (one front, one top, one rear). Additional fans or radiators can be installed:

- **Front:** Supports up to 3 x 120mm or 2 x 140mm fans, or radiators up to 360mm.
- **Top:** Supports up to 2 x 120mm or 2 x 140mm fans, or radiators up to 240mm.
- **Rear:** Supports 1 x 120mm or 1 x 140mm fan.



Figure 7: An assembled system inside the Pure Base 500DX, demonstrating component fit and cable routing possibilities.

5.6 Cable Management

The case features a PSU shroud and smart cable routing options to ensure a neat interior and unobstructed airflow. Utilize the numerous tie-down points and Velcro straps behind the motherboard tray to manage cables effectively.

5.7 ARGB LED Control

The Pure Base 500DX features addressable RGB (ARGB) LEDs at the front and inside the case. These can be controlled via the dedicated button on the front I/O panel or synchronized with your motherboard's ARGB software (requires a 3-pin 5V ARGB header on the motherboard).

- **Case Button Control:** Press the ARGB button on the front I/O panel to cycle through various lighting effects and colors.
- **Motherboard Sync:** To sync with your motherboard's software, connect the case's ARGB cable to a compatible 3-pin 5V ARGB header on your motherboard. Hold the ARGB button on the front of the case for 3 seconds to switch control to the motherboard.



Figure 8: Close-up of the top I/O panel, featuring USB 3.1 Type-C, USB 3.0 ports, audio jacks, and the ARGB control button.

6. OPERATION

Once all components are installed and connected, you can power on your system. The Pure Base 500DX is designed for high cooling performance and silent operation. The mesh front panel and top cover ensure maximum airflow, while the pre-installed Pure Wings 2 fans provide efficient and quiet cooling.

- Ensure all cables are properly connected and not obstructing fan blades.
- Monitor system temperatures to confirm optimal cooling performance.
- Adjust fan speeds via your motherboard's BIOS/UEFI or fan control software for desired noise levels and cooling.

7. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your PC case.

- **Dust Filters:** The Pure Base 500DX features removable dust filters on the front, top, and bottom (for the PSU intake). Regularly clean these filters by removing them and gently brushing or washing off accumulated dust. Allow them to dry completely before re-installing.
- **Interior Cleaning:** Periodically use compressed air to blow dust out of the case interior, especially from fan blades and heatsinks. Ensure the system is powered off and unplugged before cleaning.
- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents.



Figure 9: The easily removable dust filters, designed for convenient cleaning and maintenance.

8. TROUBLESHOOTING

- **No Power:**

- Ensure the PSU is properly seated and connected to the wall outlet.
- Check all power connections to the motherboard and components.
- Verify the front panel power switch cable is correctly connected to the motherboard header.

- **Fans Not Spinning:**

- Check fan power connections to the motherboard or fan controller.
- Ensure fan headers are enabled in BIOS/UEFI.

- **ARGB LEDs Not Working/Syncing:**

- Ensure the ARGB cable from the case is connected to a 3-pin 5V ARGB header on the motherboard (not 4-pin 12V RGB).
- If using motherboard software, ensure the case's ARGB button is held for 3 seconds to transfer control.

- Check the SATA power connection for the ARGB controller.

- **USB Ports Not Functioning:**

- Verify the USB 3.0 and USB 3.1 Type-C cables from the front I/O are securely connected to the corresponding headers on your motherboard.

9. WARRANTY AND SUPPORT

be quiet! products are manufactured with high quality standards. For detailed warranty information and technical support, please refer to the official be quiet! website or contact their customer service. Keep your proof of purchase for warranty claims.

Official Website: www.bequiet.com