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1. PRODUCT OVERVIEW

The Xigmatek LUX S Arctic (Model EN48298) is a mid-tower PC case designed for computer enthusiasts and gamers. It features a distinctive triangular mesh front panel for optimal airflow and comes equipped with four 120mm X24A A-RGB fans to provide efficient cooling and customizable lighting. The case supports Micro ATX motherboards and is constructed with durable materials, including tempered glass for a clear view of internal components.



Figure 1.1: Front view of the Xigmatek LUX S Arctic PC case, showcasing the triangular mesh design and the pre-installed A-RGB fans.

2. PACKAGE CONTENTS

Before proceeding with installation, please ensure all components listed below are present in your package. If any items are missing or damaged, contact your retailer or Xigmatek support.

- Xigmatek LUX S Arctic Mid-Tower PC Case
- 4 x 120mm X24A A-RGB Fans (pre-installed)
- Accessory box (screws, cable ties, standoffs, user manual)

3. SETUP AND INSTALLATION

Follow these steps to install your computer components into the Xigmatek LUX S Arctic PC case. Ensure your system is powered off and unplugged before beginning any installation.

3.1. Preparing the Case

1. Place the case on a flat, stable surface.
2. Carefully remove the tempered glass side panel by unscrewing the thumb screws at the rear of the case and gently pulling the panel away.
3. Remove the opposite side panel (metal) in a similar manner to access the cable management area.



Figure 3.1: Interior view of the PC case, illustrating the spacious layout for component installation.

3.2. Motherboard Installation

1. Install the I/O shield that came with your motherboard into the designated opening at the rear of the case.

2. Align your Micro ATX motherboard with the pre-installed standoffs. Ensure all screw holes on the motherboard match the standoffs.
3. Secure the motherboard using the provided screws from the accessory box. Do not overtighten.

3.3. Power Supply Unit (PSU) Installation

1. Locate the PSU mounting area at the rear bottom of the case.
2. Slide your PSU into the bay from the rear, ensuring the fan faces the bottom (if the case has a filtered intake) or upwards.
3. Secure the PSU with screws from the outside rear of the case.

3.4. Storage Drive Installation

The case supports various storage configurations. Refer to the accessory box for specific mounting hardware.

- **2.5" SSDs:** Mount SSDs to the designated brackets behind the motherboard tray.
- **3.5" HDDs:** Install HDDs into the drive cage located beneath the PSU shroud.



Figure 3.2: Rear interior view, highlighting cable management cutouts and storage drive mounting locations.

3.5. Expansion Card Installation (GPU, etc.)

1. Remove the necessary PCIe slot covers from the rear of the case.
2. Insert your expansion card (e.g., graphics card) into the corresponding PCIe slot on your motherboard until it clicks into place.
3. Secure the card with a screw to the case chassis.

3.6. Cable Management and Connections

Connect all necessary cables from the PSU to your motherboard and components. Utilize the cable routing cutouts and tie-down points behind the motherboard tray for a clean build and improved airflow.

- Connect front panel headers (Power SW, Reset SW, HDD LED, Power LED) to the motherboard.
- Connect USB 2.0 and USB 3.0 headers to the motherboard.

- Connect audio header to the motherboard.
- Connect the pre-installed A-RGB fans to your motherboard's A-RGB header or a compatible controller. Ensure power is supplied to the fan hub/controller if applicable.

4. OPERATING INSTRUCTIONS

Once all components are installed and cables are connected, you can power on your system.

1. Replace both side panels and secure them with their respective screws.
2. Connect your monitor, keyboard, mouse, and power cable to the rear of your PC.
3. Flip the power switch on your PSU to the 'ON' position.
4. Press the power button on the front panel of the case.
5. The pre-installed A-RGB fans will illuminate. You can control their lighting effects via your motherboard's software (if connected to an A-RGB header) or a dedicated controller (if included with the fans or purchased separately).

5. MAINTENANCE

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

- **Dust Filters:** The Xigmatek LUX S Arctic case likely includes removable dust filters (e.g., top, bottom, front). Clean these filters every 1-3 months, depending on your environment, by gently brushing or washing them with water and allowing them to dry completely before reinstallation.
- **Interior Cleaning:** Periodically (every 6-12 months), open the case and use compressed air to remove dust buildup from fans, heatsinks, and other components. Hold fan blades gently to prevent them from spinning too fast during cleaning.
- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid harsh chemicals that may damage the finish or tempered glass.

6. TROUBLESHOOTING

If you encounter issues with your PC build, refer to these common troubleshooting steps.

- **System Not Powering On:**
 - Ensure the PSU switch is in the 'ON' position.
 - Check all power cables (24-pin ATX, 8-pin CPU, GPU power) are securely connected.
 - Verify front panel power switch header is correctly connected to the motherboard.
- **Fans Not Spinning/RGB Not Lighting Up:**
 - Check fan power connections to the motherboard or fan hub.
 - Ensure A-RGB cables are correctly connected to the motherboard's A-RGB header or controller.
 - Verify that any fan hub or controller is receiving power.
- **No Display Output:**
 - Ensure your monitor cable is connected to the graphics card (not the motherboard's integrated graphics ports, unless you are using integrated graphics).
 - Reseat the graphics card in its PCIe slot.

- Check graphics card power connections.

For more complex issues, consult your motherboard manual or component manufacturer's support resources.

7. SPECIFICATIONS

Feature	Detail
Brand	Xigmatek
Model Name	LUX S Arctic
Model Number	EN48298
Case Type	Mid-Tower
Color	Arctic White
Material	Tempered Glass (side panel)
Motherboard Compatibility	Micro ATX
Pre-installed Fans	4 x 120mm X24A A-RGB Fans
Cooling Method	Air
Front Panel I/O	2 x USB ports (type not specified, typically USB 2.0/3.0), Audio Jacks
Power Supply Mounting	Rear Mount (bottom)
Recommended Use	Gaming

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please refer to the warranty card included with your product or visit the official Xigmatek website.

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