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Antec VCX300ARGB

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Model: VCX300ARGB

1. INTRODUCTION

Thank you for choosing the Antec VCX300 ARGB ATX/M-ATX PC Case. This manual provides detailed instructions for the installation, operation, and maintenance of your new computer chassis. Please read this manual thoroughly before installation to ensure proper setup and optimal performance.

2. SAFETY INFORMATION

- Always disconnect the power supply before installing or removing any components.
- Handle components with care to avoid damage from electrostatic discharge. Use an anti-static wrist strap if available.
- Keep the case away from water, moisture, and direct heat sources.
- Ensure proper ventilation around the case to prevent overheating.
- Do not attempt to open or repair the power supply unit inside the case. Refer to qualified service personnel.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Antec VCX300 ARGB ATX/M-ATX PC Case
- Accessory Box (Screws, standoffs, cable ties)
- User Manual (This document)

4. PRODUCT OVERVIEW

Familiarize yourself with the various parts of your Antec VCX300 ARGB PC Case.

4.1 Front Panel I/O

- Power Button
- Reset Button
- USB 3.0 Ports
- USB 2.0 Ports
- Audio Jacks (Headphone/Microphone)
- LED Control Button (for ARGB lighting)

4.2 Internal Layout

The VCX300ARGB case supports ATX and Micro-ATX motherboards. It features multiple drive bays for storage and ample space for cooling solutions.



Figure 1: Front view of the Antec VCX300 ARGB PC Case, showcasing the ARGB lighting elements and front panel I/O ports.

5. SETUP AND INSTALLATION

Follow these steps to install your components into the Antec VCX300 ARGB PC Case.

5.1 Preparing the Case

1. Place the case on a flat, stable surface.
2. Remove the side panels by unscrewing the thumbscrews at the rear of the case and sliding the panels backward.

5.2 Motherboard Installation

1. Install the I/O shield into the rear opening of the case.
2. Align the motherboard with the pre-installed standoffs. Ensure the screw holes on the motherboard match the standoffs.
3. Secure the motherboard with the provided screws from the accessory box.

5.3 Power Supply Installation

1. Position the power supply unit (PSU) in the designated compartment at the bottom rear of the case.
2. Secure the PSU with screws from the outside rear of the case.

5.4 Storage Drive Installation (HDD/SSD)

1. Locate the drive bays. The VCX300ARGB typically features dedicated bays for 3.5" HDDs and 2.5" SSDs.
2. For 3.5" HDDs, slide the drive into the bay and secure it with screws or tool-less clips if available.
3. For 2.5" SSDs, mount the drive onto the designated brackets or trays and secure with screws.

5.5 Expansion Card Installation (GPU, etc.)

1. Remove the necessary expansion slot covers from the rear of the case.
2. Insert the expansion card (e.g., graphics card) into the appropriate PCIe slot on the motherboard.
3. Secure the card with a screw.

5.6 Cable Management

Utilize the cable routing cutouts and tie-down points behind the motherboard tray to manage cables. This improves airflow and aesthetics.

- Connect all power cables from the PSU to the motherboard and components.
- Connect front panel I/O cables (USB, audio, power/reset switches, LED) to the corresponding headers on the motherboard.
- Connect ARGB cables from the case fans/strips to the motherboard's ARGB header or the integrated ARGB controller.

6. OPERATION

6.1 Powering On

1. Ensure all components are correctly installed and cables are connected.
2. Close and secure the side panels.
3. Connect the power cable to the PSU and a wall outlet.
4. Flip the power switch on the PSU to the "ON" position.
5. Press the Power Button on the front panel of the case.

6.2 ARGB Lighting Control

The Antec VCX300 ARGB case features customizable ARGB lighting. You can control the lighting effects in two ways:

- **LED Control Button:** Press the dedicated LED control button on the front panel to cycle through various pre-set ARGB lighting modes and colors. Hold the button for a few seconds to turn off/on the lighting.
- **Motherboard Software:** If the ARGB cables are connected to a compatible motherboard ARGB header, you can synchronize and customize lighting effects using your motherboard's proprietary software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion, ASRock Polychrome Sync). Refer to your motherboard manual for specific instructions.

7. MAINTENANCE

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

- **Dust Filters:** The VCX300ARGB includes dust filters. Regularly remove and clean these filters to prevent dust buildup inside the case, which can impede airflow and cooling performance. Use compressed air or a soft brush.
- **Internal Cleaning:** Periodically open the case and use compressed air to remove dust from fans, heatsinks, and other components. Ensure the system is powered off and unplugged before cleaning.
- **Exterior Cleaning:** Wipe the exterior of the case with a soft, damp cloth. Avoid harsh chemicals or abrasive materials.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
PC does not power on.	Power cable disconnected, PSU switch off, front panel power button not connected, faulty PSU.	Check power cable connections. Ensure PSU switch is ON. Verify front panel power button cable is correctly connected to motherboard. Test PSU if possible.
ARGB lighting not working.	ARGB cables disconnected, incompatible motherboard header, LED control button issue.	Ensure ARGB cables are securely connected to the motherboard or controller. Try cycling modes with the LED control button. Verify motherboard ARGB header compatibility.
Poor airflow/overheating.	Dust buildup, incorrect fan orientation, obstructed vents.	Clean dust filters and internal components. Ensure fans are oriented correctly for optimal airflow (intake/exhaust). Check for any obstructions.

9. SPECIFICATIONS

Feature	Detail
Model Name	VCX300ARGB
Case Type	Mid Tower
Motherboard Support	ATX, Micro-ATX
Dimensions (D x W x H)	14.57"D x 8.07"W x 17.72"H (370mm x 205mm x 450mm approx.)
Item Weight	3.6 Kilograms
Internal Drive Bays	5 (combination of 3.5" HDD and 2.5" SSD)
Front I/O Ports	USB 3.0, USB 2.0, Audio In/Out, Power, Reset, LED Control Button
Special Features	Built-In Fan, Dust Filter, LED Control Button, Noise Reduction Technology, Partition Plate Cooling Technology, ARGB Lighting
Color	Black

10. WARRANTY AND SUPPORT

Antec products come with a limited warranty. Please refer to the official Antec website or your regional distributor for specific warranty terms and conditions applicable to your product.

For technical support, product registration, or further inquiries, please visit the official Antec support page: www.antec.com/support

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