ACEMAGIC RX16

ACEMAGIC RX16 16-inch Gaming Laptop User Manual
Model: RX16

1. INTRODUCTION

Thank you for choosing the ACEMAGIC RX16 16-inch Gaming Laptop. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new device. Please read this manual thoroughly to ensure optimal performance and longevity of your laptop.

Figure 1: ACEMAGIC RX16 Laptop Overview

2. PRODUCT OVERVIEW

The ACEMAGIC RX16 is a high-performance gaming laptop designed for demanding tasks and immersive

gaming experiences. Key features include:

- **Processor:** AMD Ryzen 7 7735HS with 8 cores, 16 threads, and boost speeds up to 4.75GHz.
- **Graphics:** Integrated Radeon 680M GPU.
- **Memory:** 16GB DDR5 SO-DIMM RAM (expandable up to 64GB).
- **Storage:** 512GB M.2 NVMe PCIe 3.0 SSD (expandable up to 4TB).
- **Display:** 16-inch FHD (1920x1200) IPS screen with a 16:10 aspect ratio.
- **Connectivity:** Wi-Fi 6, Bluetooth 5.2, 2x USB 3.2, 1x USB 2.0, 1x HDMI 1.4, 1x Type-C (USB 3.2 Gen2 with PD/DP/Charging/Data), 1x RJ45 Ethernet, 1x 3.5mm headphone jack.
- **Design:** Durable metal body with a backlit keyboard.
- **Battery:** 4400mAh (50.82W) for extended use.

Figure 2: AMD Ryzen 7 7735HS Processor

3. SETUP GUIDE

3.1 Initial Power On

1. **Unpack:** Carefully remove the laptop and all accessories from the packaging.
2. **Connect Power:** Plug the power adapter into the laptop's charging port (Type-C or dedicated DC-in, refer to port diagram) and then into a power outlet.
3. **Power On:** Open the laptop lid and press the power button.
4. **Operating System Installation:** This laptop is shipped with DOS. You will need to install a preferred operating system (e.g., Windows, Linux) to use the device fully. Follow the on-screen instructions or your OS installation guide.

3.2 Connecting Peripherals

Utilize the various ports on your ACEMAGIC RX16 to connect external devices:

- **USB Devices:** Connect mice, keyboards, external drives, etc., to the USB 3.2 or USB 2.0 ports.
- **External Display:** Use the HDMI 1.4 port or the Type-C port (which supports DisplayPort Alternate Mode) to connect to an external monitor or projector.
- **Audio:** Plug headphones or external speakers into the 3.5mm audio jack.
- **Network:** For a stable wired internet connection, connect an Ethernet cable to the RJ45 port.

Figure 4: Laptop Ports and Connectivity

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

- **Power On/Off:** Press the power button to turn on the laptop. To shut down, use the operating system's power options.
- **Sleep Mode:** Close the lid or select 'Sleep' from the OS power options to enter sleep mode.

4.2 Keyboard and Touchpad

The ACEMAGIC RX16 features a full-size backlit keyboard and a precision touchpad.

- **Backlit Keyboard:** Use the dedicated function key (Fn + Fx, where Fx is the backlight control key) to adjust keyboard backlight brightness or turn it on/off.
- **Function Keys:** The F1-F12 keys have secondary functions (e.g., volume, brightness, Wi-Fi toggle) accessible by pressing the Fn key simultaneously.
- **Touchpad:** Supports multi-touch gestures for navigation. Ensure drivers are installed for full functionality.

Figure 5: Backlit Keyboard and Precision Touchpad

4.3 Wireless Connectivity

- **Wi-Fi 6:** To connect to a wireless network, open your operating system's network settings, select your desired Wi-Fi network, and enter the password if required.
- **Bluetooth 5.2:** Enable Bluetooth in your OS settings to pair with compatible devices like headphones, speakers, or controllers.

Figure 6: Wi-Fi 6 Advantages

5. MAINTENANCE AND UPGRADES

5.1 Cleaning and Care

- **Screen:** Use a soft, lint-free cloth and a screen-cleaning solution. Do not spray liquid directly onto the

screen.

- **Keyboard/Chassis:** Use a soft cloth, slightly dampened with water or a mild cleaning solution. Avoid excessive moisture.
- **Ventilation:** Regularly check and clean the ventilation grilles to prevent dust buildup, which can affect cooling performance.

5.2 Battery Information

The laptop is equipped with a 4400mAh (50.82W) lithium-ion battery. To maximize battery life:

- Avoid extreme temperatures.
- Do not fully discharge the battery frequently.
- Store the laptop with a partial charge (around 50%) if not used for extended periods.

Figure 7: Laptop Battery

5.3 Storage and Memory Upgrades

The ACEMAGIC RX16 offers upgrade flexibility:

- **RAM:** The 16GB DDR5 RAM can be expanded up to 64GB. Consult a qualified technician for memory upgrades.
- **SSD:** The 512GB M.2 SSD can be expanded up to 4TB. Ensure compatibility when selecting a new SSD.
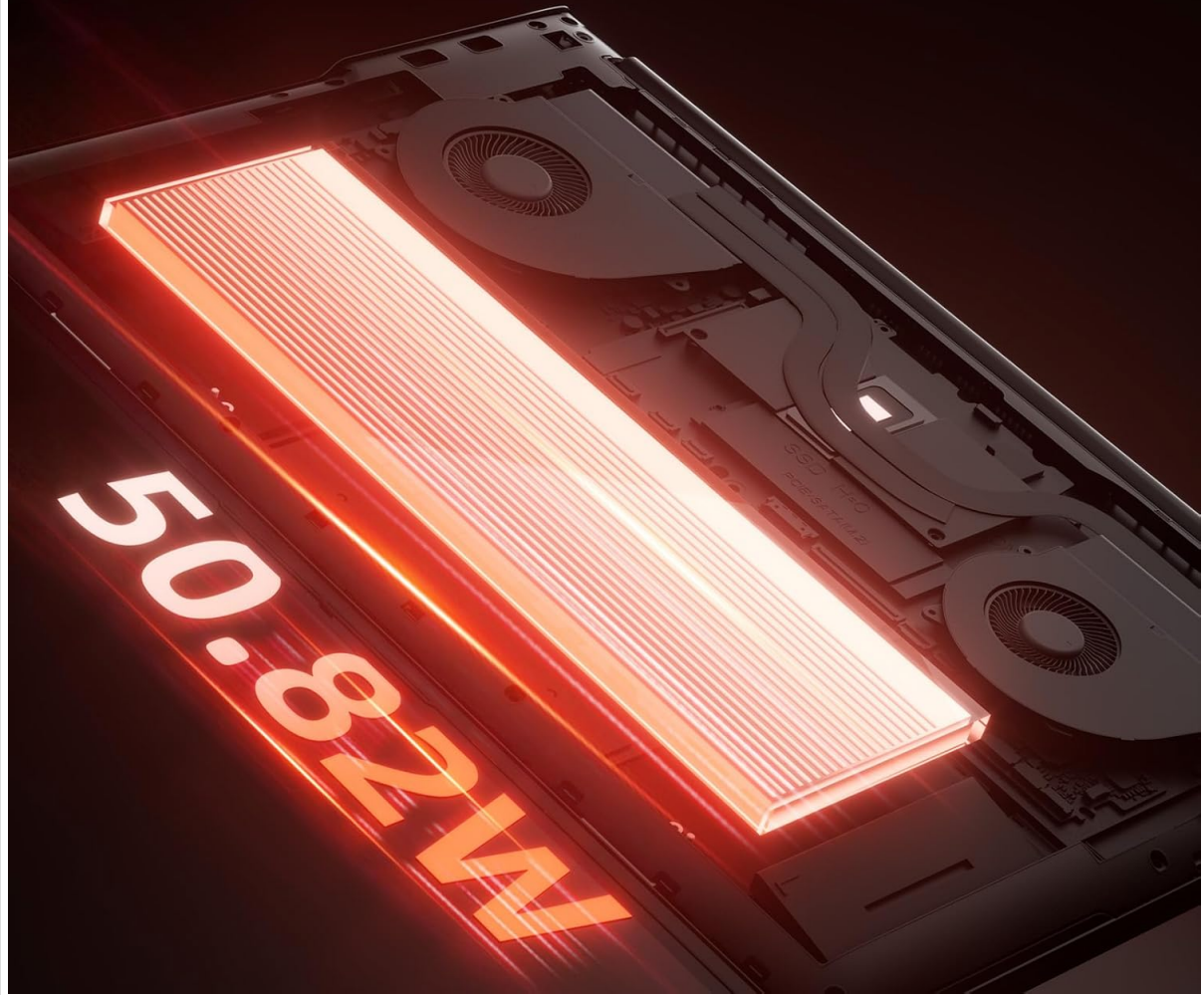
Figure 8: Internal Cooling System

6. Troubleshooting

If you encounter issues with your ACEMAGIC RX16, refer to the following common solutions:

- **Laptop not powering on:** Ensure the power adapter is securely connected and the battery has sufficient charge. Try a different power outlet.
- **No display:** Connect an external monitor to check if the issue is with the laptop's screen. Restart the laptop.
- **Wi-Fi connectivity issues:** Check if Wi-Fi is enabled in your operating system. Restart your router and the laptop. Ensure drivers are up to date.
- **Slow performance:** Close unnecessary applications. Check for background processes consuming resources. Ensure sufficient free storage space.
- **Keyboard/Touchpad unresponsive:** Restart the laptop. Check for driver updates.

For further assistance, please contact ACEMAGIC customer support.

7. Specifications

Feature	Specification

Brand	ACEMAGIC
Model Name	RX16
Processor	AMD Ryzen 7 7735HS (up to 4.75 GHz)
Processor Cores/Threads	8 Cores, 16 Threads
Graphics	Integrated Radeon 680M
RAM	16GB DDR5 SO-DIMM (Expandable to 64GB)
Storage	512GB M.2 NVMe PCIe 3.0 SSD (Expandable to 4TB)
Display Size	16 Inches
Display Resolution	1920 x 1200 (FHD) IPS
Operating System	DOS (User-installed OS required)
Wireless Connectivity	Wi-Fi 6 (802.11ax), Bluetooth 5.2
Ports	2x USB 3.2, 1x USB 2.0, 1x HDMI 1.4, 1x Type-C (USB 3.2 Gen2, PD/DP/Charging/Data), 1x RJ45, 1x 3.5mm Audio Jack
Battery Capacity	4400 mAh (50.82W)
Special Features	Backlit Keyboard, Metal Body, 180-degree hinge
Weight	3.5 Kilograms

8. OFFICIAL PRODUCT VIDEO

Watch this official video for a visual overview of the ACEMAGIC RX16 laptop's features and design.

Your browser does not support the video tag.

Video 1: ACEMAGIC RX16 Product Showcase

9. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official ACEMAGIC website. If you require technical support or have questions not covered in this manual, please contact ACEMAGIC customer service through their official channels.

ACEMAGIC Official Store: Visit Store

Related Documents - RX16

User Manual AX15	[ACEMAGIC AX15 User Manual](#) User manual for the ACEMAGIC AX15 notebook, covering specifications, safety guidelines, and touchpad usage.
User Manual AX15	[ACEMAGIC AX15 User Manual: Features, Specifications, and Operation Guide](#) Comprehensive user manual for the ACEMAGIC AX15 laptop, detailing specifications, features, safety instructions, and touchpad operation. Includes Intel Alder Lake-N95 processor, 16GB RAM, 512GB storage, and 15.6-inch FHD display.
User Manual AX17	[ACEMAGIC AX17 User Manual](#) User manual for the ACEMAGIC AX17 laptop, detailing its features, specifications, and usage instructions. Includes safety notices and touchpad operation guide.
User Manual LX15PRO	[ACEMAGIC LX15PRO Laptop User Manual: Features, Specifications, and Operation](#) A comprehensive user manual for the ACEMAGIC LX15PRO laptop, covering its welcome message, package contents, detailed product specifications, safety notices, and touchpad usage instructions. Designed for both study and entertainment.
	[ACEMAGIC Mini PC User Manual](#) User manual for the ACEMAGIC Mini PC (Model M1A/Tank03). Provides detailed instructions on product features, interface layout, quick setup, performance lighting modes, and hardware upgrades including RAM and M.2 SSD installation. Includes important disclaimers and safety precautions.
S1 Video Tutorial Script	[S1 Software Tutorial: Customizing Display Themes](#) Learn how to customize display themes using the S1 software. This guide covers changing backgrounds, adding and editing text, adjusting font styles, and managing display settings for the ACEMAGIC S1 Mini Tower PC.