MSI CLAW8A2001

MSI Claw PC Gaming Handheld User Manual

Model: CLAW8A2001 | Brand: MSI

1. Product Overview

The MSI Claw PC Gaming Handheld is a portable gaming device featuring an Intel Ultra 7-258V processor, an 8-inch FHD 120Hz display, 32GB LPDDR5 RAM, and a 1TB NVMe SSD. It includes a MicroSD Card Reader, Thunderbolt 4 connectivity, and runs on Windows 11 Home. This device is designed for high-performance gaming and versatile computing on the go.

Key Features:

- **AI-Powered Performance:** Harness the capabilities of the latest Intel Core Ultra 7 processor to effortlessly manage demanding tasks. Extend your productivity with the most powerful and reliable performance on the go.
- **Simplistic Design:** Enjoy the latest generation of Windows 11 Home for your everyday needs. MSI recommends Windows 11 Pro for business use.
- **Perfection Through Anthropometry:** As a handheld device, Claw has achieved the optimal balance between its grip and weight. We have meticulously polished various design details, from the curvature that fits the palm, to the finger grip positions and trigger force.
- **Best-in-Class Battery Life:** Unlock exceptional gaming endurance with our breakthrough battery capacity. It's where efficient power meets robust performance—more game, less charge.
- **8-inch Smoothness Ready:** Dive into the ultimate gaming experience with our 8-inch premium 120Hz gaming display, with exceptional color reproduction and smooth action.



Figure 1: Front view of the MSI Claw PC Gaming Handheld, showcasing its ergonomic design and vibrant display.

2. Setup Guide

2.1. Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed below are present and undamaged.

- MSI Claw PC Gaming Handheld
- Charger

2.2. Initial Charge

Before first use, fully charge the MSI Claw. Connect the provided charger to the device's Thunderbolt 4 port and plug it into a power outlet. The charging indicator will illuminate.

2.3. Power On and Windows Setup

Press and hold the Power Button (located on the top edge) until the screen illuminates. Follow the on-screen prompts to complete the initial Windows 11 Home setup, including language selection, network connection, and user account creation.

3. Operating Instructions

3.1. Controls and Interface

The MSI Claw features integrated gaming controls for an intuitive experience. These include:

- **Dual Joysticks:** For precise movement and camera control.
- **D-Pad:** For directional input.
- **ABXY Buttons:** Standard action buttons.
- **Shoulder Buttons (LB/RB) and Triggers (LT/RT):**For in-game actions.
- **Touchscreen Display:** The 8-inch FHD+ 120Hz IPS-level touchscreen supports multi-touch gestures for Windows navigation.
- **Macro Keys (M1/M2):** Customizable buttons for advanced functions.
- **Power Button/Fingerprint Scanner:** Located on the top edge, also functions as a fingerprint scanner for secure login.



Figure 2: The MSI Claw highlighting its core specifications for high-performance gaming.

3.2. Gaming and Performance

The MSI Claw is optimized for PC gaming. Its Intel Core Ultra 7 processor and 32GB LPDDR5 RAM provide robust performance for a wide range of titles. The 120Hz display ensures smooth visuals, while the 1TB NVMe SSD offers fast loading times.

- **Game Launchers:** Install your preferred game launchers (e.g., Steam, Epic Games, Xbox App) to access your game library.
- **Performance Modes:** Utilize MSI Center M software to adjust performance profiles (e.g., Balanced, Extreme Performance) to suit your gaming needs and battery life preferences.
- **External Connectivity:** The two Thunderbolt 4 ports allow for high-speed data transfer, external display connections, and eGPU support for enhanced graphics performance.



Figure 3: The 8-inch FHD+ 120Hz display provides an immersive visual experience.



Figure 4: The 80Whr battery ensures extended gaming sessions.

4. Maintenance

4.1. Cleaning

Regularly clean the device to ensure optimal performance and longevity.

- Use a soft, lint-free cloth to wipe the screen and exterior.
- Avoid abrasive cleaners or solvents.
- Gently clean the air vents to prevent dust buildup, which can affect cooling.



Figure 5: The internal airflow design helps maintain optimal operating temperatures.

4.2. Software Updates

Keep your Windows operating system and MSI drivers updated to ensure stability, performance, and security.

- Check for Windows updates regularly via the Settings app.
- Use MSI Center M or visit the official MSI website for the latest driver and firmware updates for your Claw.

4.3. Storage Management

Periodically manage your 1TB NVMe SSD storage to free up space and maintain performance.

- Uninstall unused applications and games.
- Utilize Windows Disk Cleanup or third-party tools to remove temporary files.
- Consider using the MicroSD card reader for additional storage of non-critical files.

5. Troubleshooting

This section addresses common issues you might encounter with your MSI Claw.

5.1. Device Not Powering On

- Ensure the device is fully charged. Connect the charger and wait a few minutes before attempting to power on again.
- Perform a hard reset by holding the Power Button for 15-20 seconds.

5.2. Display Issues (No Image/Flickering)

- Restart the device.
- Check for updated graphics drivers via MSI Center M or the Intel website.
- If connected to an external display, ensure the cable is securely connected and the external display is powered on.

5.3. Performance Degradation

- Close unnecessary background applications.
- Ensure the device has adequate ventilation and is not overheating. Clean vents if necessary.
- Update all drivers and Windows OS.
- Adjust performance settings in MSI Center M to a higher mode.

5.4. Wi-Fi/Bluetooth Connectivity Problems

- Toggle Wi-Fi/Bluetooth off and on in Windows Settings.
- Restart your router/modem.
- Update wireless drivers.

6. Technical Specifications

Feature	Specification
Model Name	Claw 8 AI+ A2VM-001US
Processor	Intel Ultra 7-258V (2.2 GHz core_i7)
Display	8 Inches FHD (1920 x 1200) 120Hz IPS-Level Touch Screen
RAM	32 GB LPDDR5
Storage	1 TB NVMe SSD
Graphics	Integrated Intel Graphics
Operating System	Windows 11 Home
Connectivity	Thunderbolt 4 (x2), MicroSD Card Reader, Wi-Fi 7, Bluetooth 5.4
Battery	80 Whr Lithium Polymer (included)
Dimensions (LxWxH)	11.77 x 0.94 x 4.96 inches
Weight	1.75 pounds
Color	Black

7. Warranty and Support

The MSI Claw PC Gaming Handheld comes with a manufacturer's warranty. For detailed warranty information, including terms, conditions, and duration, please refer to the warranty card included in your product packaging or visit the official MSI support website. For technical assistance, troubleshooting beyond this manual, or service requests, please contact MSI Customer Support through their official channels.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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