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› [Lenovo Legion Go 8.8" 144Hz WQXGA Handheld Touchscreen Gaming PC Instruction Manual](#)

Lenovo 83E10000US

Lenovo Legion Go 8.8" 144Hz WQXGA Handheld Touchscreen Gaming PC Instruction Manual

BRAND: LENOVO

Product Overview

The Lenovo Legion Go is a powerful handheld gaming PC designed for immersive gaming experiences on the go. Equipped with an AMD Ryzen Z1 Extreme processor and integrated AMD Radeon Graphics, it delivers robust performance for smooth gameplay and seamless multitasking. Its stunning 8.8" WQXGA touch display offers vibrant visuals with remarkable clarity, boasting 500 nits brightness and a 144Hz refresh rate. With versatile connectivity options, customizable gaming controllers, and advanced features, the Legion Go is built to elevate your gaming to new heights.

What's in the Box

- Legion Go Handheld Gaming PC
- User Guide
- 65W USB C Charger
- Detachable Controllers
- Carrying Case

Key Features

- **ULTIMATE GAMING IMMERSION:** Elevate your gaming experience with the Lenovo Legion Go and enjoy lightning-fast performance and vibrant visuals from anywhere.

- **UNLEASHED GAMING POWER:** Harness the strength of the AMD Ryzen Z1 Extreme processor and enjoy unmatched processing power for fluid gameplay.
- **IMMERSIVE VISUAL EXPERIENCE:** Dive into gaming like never before with the Legion Go's stunning 8.8" WQXGA touch display that makes every frame come to life with exceptional clarity.
- **AMPLIFIED STORAGE CAPACITY:** Elevate your gaming library with a spacious 512GB SSD storage, giving you ample space for your favorite games and multimedia content.
- **VERSATILE CONNECTIVITY HUB:** Expand your gaming horizons with this gamepad's versatile array of ports, including two USB4 40Gbps ports.
- **EXCELLENT AUDIO EXPERIENCE:** Immerse yourself in captivating soundscapes with the Legion Go's powerful stereo speakers, engineered to deliver crisp highs and deep lows.
- **PRECISION CONTROL AT YOUR FINGERTIPS:** Experience gaming like never before with the Legion Go's customizable gaming controllers and 24 on-gamepad controls for precise versatility.
- **CRYSTAL-CLEAR VISUAL COMMUNICATION:** Stay connected with friends and teammates in stunning clarity using the Legion Go's integrated camera, complete with high-resolution capabilities.
- **SLEEK AND PORTABLE DESIGN:** At just under 2 pounds, the sleek and compact design of the Legion Go is perfect for on-the-go adventures.

Setup

Initial Power On

To power on your Lenovo Legion Go for the first time, press and hold the Power button located on the top edge of the device until the screen illuminates. Follow the on-screen prompts to complete the initial Windows 11 setup.



Figure 1: Lenovo Legion Go handheld gaming PC with controllers attached.

Attaching/Detaching Controllers

The Legion Go features detachable controllers for versatile gameplay. To attach, align the controllers with the rails on either side of the main unit and slide them down until they click securely into place. To detach, press the release button on the back of each controller and slide them upwards. The controllers can operate wirelessly when detached, allowing for flexible gaming positions.



Figure 2: Lenovo Legion Go with controllers detached from the main unit.

Operating

Legion Space Interface

The Legion Go comes pre-installed with Legion Space, a centralized gaming hub. This interface allows you to browse your game library, access settings, and monitor real-time system information. You can navigate Legion Space using the integrated controllers or the touchscreen display.



Figure 3: Legion Space user interface for game management and settings.

Performance Modes

Adjust the device's performance based on your needs through Legion Space settings. Thermal modes include Quiet, Balance, Performance, and Custom TDP. Custom TDP allows you to fine-tune the Thermal Design Power (TDP) of the AMD Ryzen Z1 Extreme processor from 5W to 30W, impacting both performance and battery life. Higher TDP settings provide more power but consume battery faster.

Display Settings

The 8.8" WQXGA display supports resolutions up to 2560x1600 pixels and refresh rates up to 144Hz. You can adjust these settings within Legion Space or Windows display settings. The device also supports AMD Radeon Super Resolution (RSR) for upscaling lower resolution content to improve visual quality.

Storage Management

The Legion Go includes a 512GB SSD. For additional storage, you can utilize the microSD card reader located on the top edge of the device. This allows for easy expansion of your game library and multimedia content.

Connectivity

The device features two USB4 40Gbps ports (USB-C), a 3.5mm combo audio jack, and Wi-Fi 6 (802.11ax) for wireless connectivity. Bluetooth is also supported for connecting wireless accessories like headphones or external controllers.



Figure 4: Top view of the Legion Go showing power button, audio jack, USB-C ports, SD card slot, volume buttons, and speakers.

Advanced Usage

Docking and External GPU Support

The USB4 ports on the Legion Go are Thunderbolt compatible, allowing for connection to external GPU (eGPU) enclosures. This enables you to significantly boost graphical performance when playing demanding games on an external monitor, effectively transforming your handheld into a powerful desktop gaming rig. The integrated kickstand allows for stable tabletop use when docked.



Figure 5: Rear view of the Legion Go showing the extended kickstand for tabletop use.



Figure 6: Legion Go in tabletop mode with detached controllers, one in FPS mode.

Maintenance

Cleaning

Regularly wipe the screen with a soft, lint-free cloth. For the body and controllers, use a slightly damp cloth. Avoid using harsh chemicals or abrasive materials.

Software Updates

Ensure your device's operating system and Legion Space software are kept up-to-date. Check for updates regularly through Windows Update and the Legion Space application to ensure optimal performance and access to the latest features.

SSD Upgrade

The internal SSD can be upgraded for increased storage capacity. This process requires opening the device and is recommended for users with technical expertise. Refer to the detailed service manual or professional assistance for internal component upgrades.

Lenovo Legion Go



Figure 7: Internal view of the Legion Go, highlighting the SSD slot for potential upgrades.

Troubleshooting

Common Issues

- **Device Not Powering On:** Ensure the device is charged. Connect the 65W USB C charger and wait a few minutes before attempting to power on again.
- **Performance Lag:** Adjust the Thermal Mode to "Performance" or a higher Custom TDP setting in Legion Space. Ensure the device is plugged in for sustained high performance.
- **Controller Input Issues:** Check controller connections if attached. If wireless, ensure they are paired correctly via Bluetooth. Calibrate joysticks if experiencing drift or unresponsiveness.
- **Display Problems:** Verify resolution and refresh rate settings in Legion Space or Windows display settings. Ensure graphics drivers are up-to-date.

Specifications

Feature	Specification
Brand	Lenovo
Model Name	Legion GO
Item Model Number	83E10000US
Screen Display Size	8.8 Inches
Screen Resolution	2560 x 1600 pixels (WQXGA)
Refresh Rate	144Hz
Processor	AMD Ryzen Z1 Extreme
Graphics Coprocessor	AMD Radeon R9 Nano (Integrated)
RAM	16GB LPDDR5
Hard Drive	512GB SSD
Operating System	Windows 11 Home
Connectivity	2x USB4 40Gbps (USB-C), 3.5mm Audio Jack, 802.11ax (Wi-Fi 6), Bluetooth
Item Weight	14.1 ounces
Product Dimensions	5.16 x 8.27 x 0.79 inches

Warranty and Support

Your Lenovo Legion Go device is equipped with 1 full year of Legion Ultimate Support, giving you direct access to our gaming expert technicians for assistance with any issues or questions you may have.