

NVIDIA 945-12570-2500-000

NVIDIA SHIELD Controller (2015) User Manual

Model: 945-12570-2500-000

1. INTRODUCTION

The NVIDIA SHIELD Controller (2015) is designed to provide a high-performance gaming and entertainment experience across NVIDIA SHIELD devices. It offers precise control, low-latency connectivity, and integrated features for seamless interaction with your SHIELD, SHIELD tablet, and SHIELD portable.



Front view of the NVIDIA SHIELD Controller, showcasing its ergonomic design and button layout.

Official video demonstrating the features and capabilities of the NVIDIA SHIELD ecosystem, including the controller.

2. PRODUCT OVERVIEW

The SHIELD Controller features a robust design with intuitive controls. Key components include:

- **Dual Analog Sticks:** For precise movement and camera control.
- **A/B/X/Y Buttons:** Standard action buttons.
- **D-Pad:** For directional input.
- **Shoulder Buttons (L1/R1) and Triggers (L2/R2):** For additional in-game actions.
- **Touch Panel:** Includes NVIDIA home, back, home, and pause functions.
- **Clickable Touchpad:** Functions as a mouse for navigation.
- **Volume Controls:** Dedicated buttons for audio adjustment.
- **Headset Jack:** 3.5mm stereo jack for audio and game chat.
- **Integrated Microphone:** For voice search and commands.
- **Micro-USB Port:** For charging and wired PC connection.



Rear view of the controller, showing the micro-USB port and headset jack.



Close-up of the central NVIDIA logo and touch panel area.

3. SETUP

3.1 Initial Connection to NVIDIA SHIELD Devices

1. Ensure your NVIDIA SHIELD device (SHIELD TV, SHIELD Tablet, or SHIELD Portable) is powered on and in pairing mode.
2. On the SHIELD Controller, press and hold the NVIDIA button (located in the center of the controller) until the light begins to flash.
3. Follow the on-screen prompts on your SHIELD device to complete the pairing process. The controller connects via Wi-Fi Direct for optimal performance.

3.2 Connecting to PC

The SHIELD Controller can be used with GeForce-equipped PCs via a wired USB connection.

1. Connect the micro-USB end of the included USB cable to the controller and the standard USB-A end to an available USB port on your PC.
2. The PC should automatically detect and install the necessary drivers. If prompted, follow any on-screen instructions.
3. For optimal PC gaming, ensure you have the latest NVIDIA GeForce Experience software installed.

4. OPERATING THE CONTROLLER

4.1 Gaming

The SHIELD Controller provides a console-grade gaming experience. Its precision controls and low-latency Wi-Fi Direct connection ensure responsive gameplay.



The SHIELD Controller paired with a SHIELD Tablet for an immersive gaming session.



Another example of the controller in use with a SHIELD Tablet, demonstrating its versatility across game genres.

4.2 Voice Search and Commands

The integrated microphone allows for convenient voice search and commands. Press the microphone button on the controller and speak your query or command. This feature is particularly useful for navigating menus, searching for content, or launching applications.

4.3 Media Playback

Use the controller to navigate media applications, control playback (play, pause, skip), and adjust volume. The dedicated volume buttons provide quick access to audio levels.

5. CHARGING AND BATTERY LIFE

The SHIELD Controller is powered by a rechargeable Lithium Ion battery. To charge the controller, connect it to a USB power source (e.g., your SHIELD device, a PC, or a USB wall adapter) using the provided USB cable.

- An orange light near the micro-USB port indicates that the controller is charging.
- A green light indicates that the controller is fully charged.

Battery life varies depending on usage. The controller is designed for extended gaming sessions and can retain charge for a significant period in sleep mode.

6. MAINTENANCE

To ensure the longevity and optimal performance of your NVIDIA SHIELD Controller, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the controller. For stubborn dirt, slightly dampen the cloth with water. Avoid using harsh chemicals, solvents, or abrasive materials, as these can damage the surface.
- **Storage:** Store the controller in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the controller or subjecting it to strong impacts, which can damage internal components.

7. TROUBLESHOOTING

7.1 Controller Not Responding

- **Check Battery:** Ensure the controller is charged. Connect it to a power source and check the charging indicator.
- **Re-pair Controller:** If connected wirelessly, try re-pairing the controller with your SHIELD device. Go to the

SHIELD settings, find the controller section, and initiate the pairing process.

- **Wired Connection:** Connect the controller to your SHIELD device or PC via USB cable to check if it functions in wired mode. This can help determine if the issue is with the wireless connection or the controller itself.

7.2 Connection Issues (Wireless)

- **Interference:** Ensure there are no strong Wi-Fi or other wireless signal interferences nearby.
- **Distance:** Make sure the controller is within a reasonable range of your SHIELD device.
- **SHIELD Device Restart:** Restart your NVIDIA SHIELD device.

7.3 Audio Issues (Headset Jack)

- **Check Headset Connection:** Ensure the headset is fully plugged into the 3.5mm jack.
- **Volume Levels:** Verify that the volume on both the controller and the SHIELD device is not muted or set too low.
- **Test Another Headset:** Try a different headset to rule out a faulty headset.

8. SPECIFICATIONS

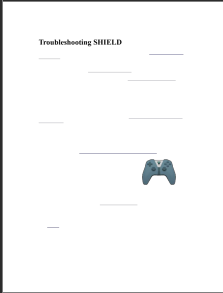
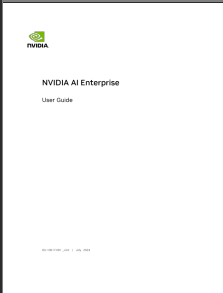
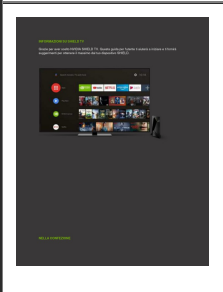
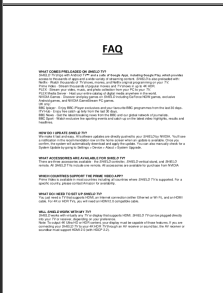
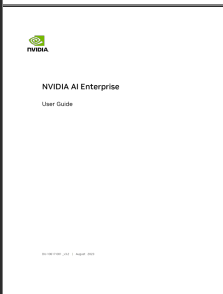
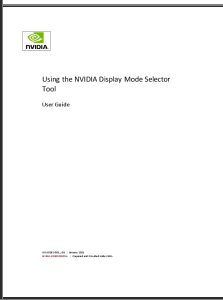
Feature	Detail
Brand	NVIDIA
Item Model Number	945-12570-2500-000
Hardware Platform	NVIDIA SHIELD
Operating System	Android
Item Weight	13.7 ounces
Product Dimensions	6.85 x 6.49 x 2.56 inches
Color	Black
Power Source	Battery Powered
Batteries	1 Lithium Ion battery required
Connectivity Technology	Wi-Fi
Included Components	USB Cable

9. WARRANTY AND SUPPORT

For detailed warranty information and further support, please refer to the official NVIDIA documentation or visit the NVIDIA support website.

You can also find the official User Manual PDF[here](#).

Visit the official NVIDIA Store for more products and accessories:[NVIDIA Store](#)

	<p>NVIDIA SHIELD Troubleshooting Guide: Fix Connectivity, Audio, Storage, and Network Issues</p> <p>Comprehensive troubleshooting guide for NVIDIA SHIELD devices. Resolve common problems with accessories, audio/video, storage, networking, and GeForce NOW. Includes step-by-step solutions.</p>
	<p>NVIDIA AI Enterprise User Guide: GPU Virtualization, Deployment, and Management</p> <p>Comprehensive user guide for NVIDIA AI Enterprise, detailing installation, configuration, and management of AI and data analytics workloads on virtualized GPU environments. Covers vGPU, Kubernetes, VMware vSphere, and Red Hat KVM.</p>
	<p>Guida Utente NVIDIA SHIELD TV: Configurazione, Funzionalità e Gaming</p> <p>Guida completa per NVIDIA SHIELD TV. Impara a configurare il dispositivo, utilizzare il telecomando, sfruttare l'Assistente Google, giocare con GeForce NOW e GameStream, e ottimizzare la tua esperienza multimediale.</p>
	<p>NVIDIA SHIELD TV Pro FAQ: Features, Setup, and Streaming</p> <p>Comprehensive frequently asked questions about the NVIDIA SHIELD TV Pro, covering preloaded content, software updates, available accessories, app compatibility (Netflix, Prime Video, Plex), connectivity requirements, PC streaming for 4K HDR gaming, Google Assistant, and more.</p>
	<p>NVIDIA AI Enterprise User Guide: Installation, Configuration, and Management</p> <p>Comprehensive user guide for NVIDIA AI Enterprise, detailing installation, configuration, and management of NVIDIA vGPU, AI frameworks, and software components across various hypervisors and operating systems.</p>
	<p>Guía del usuario de la herramienta NVIDIA Display Mode Selector</p> <p>Aprenda a usar la herramienta NVIDIA Display Mode Selector para habilitar o deshabilitar puertos de pantalla físicos y cambiar el modo del controlador de Windows de TCC a WDDM en las GPU NVIDIA.</p>