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NVIDIA 945-12897-2500-001

NVIDIA Shield TV Streaming Media Player: User Manual

Model: 945-12897-2500-001

1. Introduction

The NVIDIA Shield TV is a versatile streaming media player designed to deliver high-quality 4K HDR video and a comprehensive entertainment experience. This manual provides essential information for setting up, operating, and maintaining your device.

2. What's in the Box

Verify that all items are present in the packaging:

- NVIDIA Shield TV Streaming Media Player
- Remote
- Game Controller
- Power Adapter
- HDMI Cable (may be included with some bundles)

3. Product Overview

3.1. NVIDIA Shield TV Unit



Image: The NVIDIA Shield TV streaming media player, a compact black device with a green accent line.

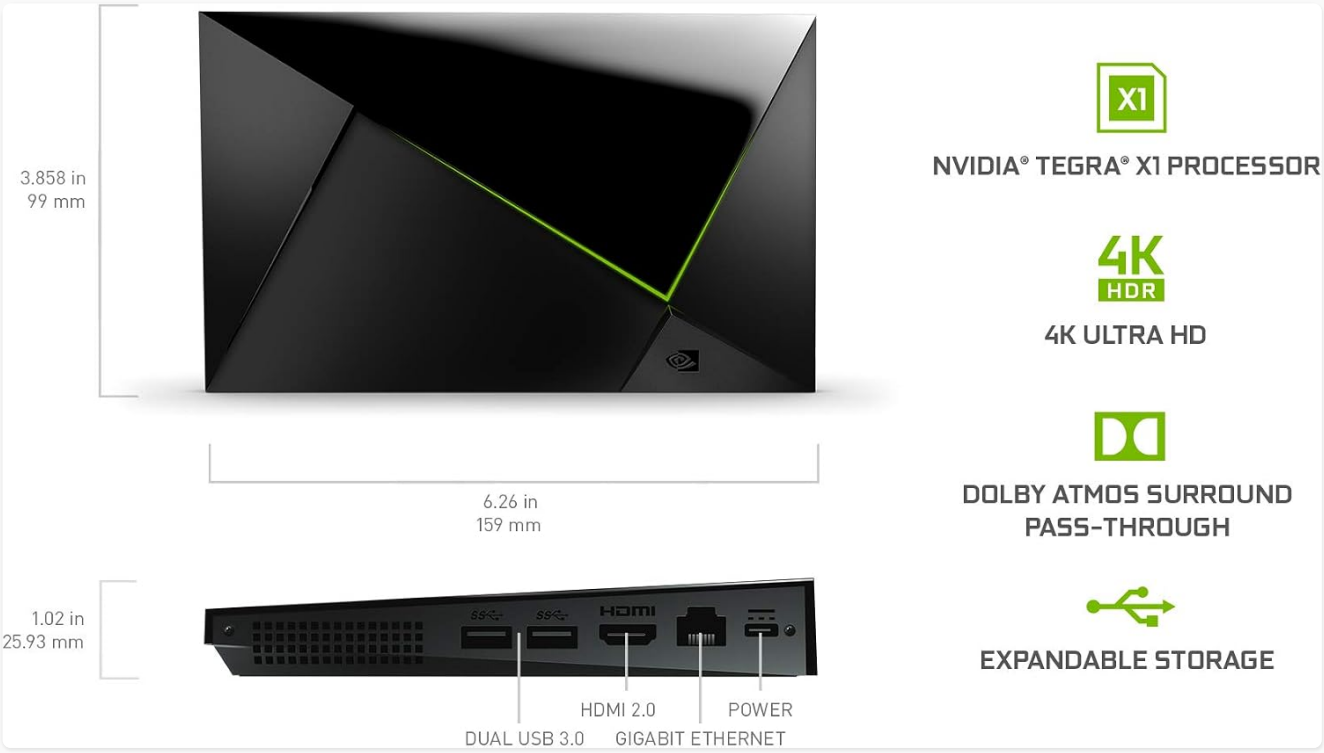


Image: Detailed view of the NVIDIA Shield TV showing its dimensions (6.26"L x 3.85"W x 1.02"H) and available ports including Dual USB 3.0, HDMI 2.0, Gigabit Ethernet, and Power input.

3.2. Remote Control

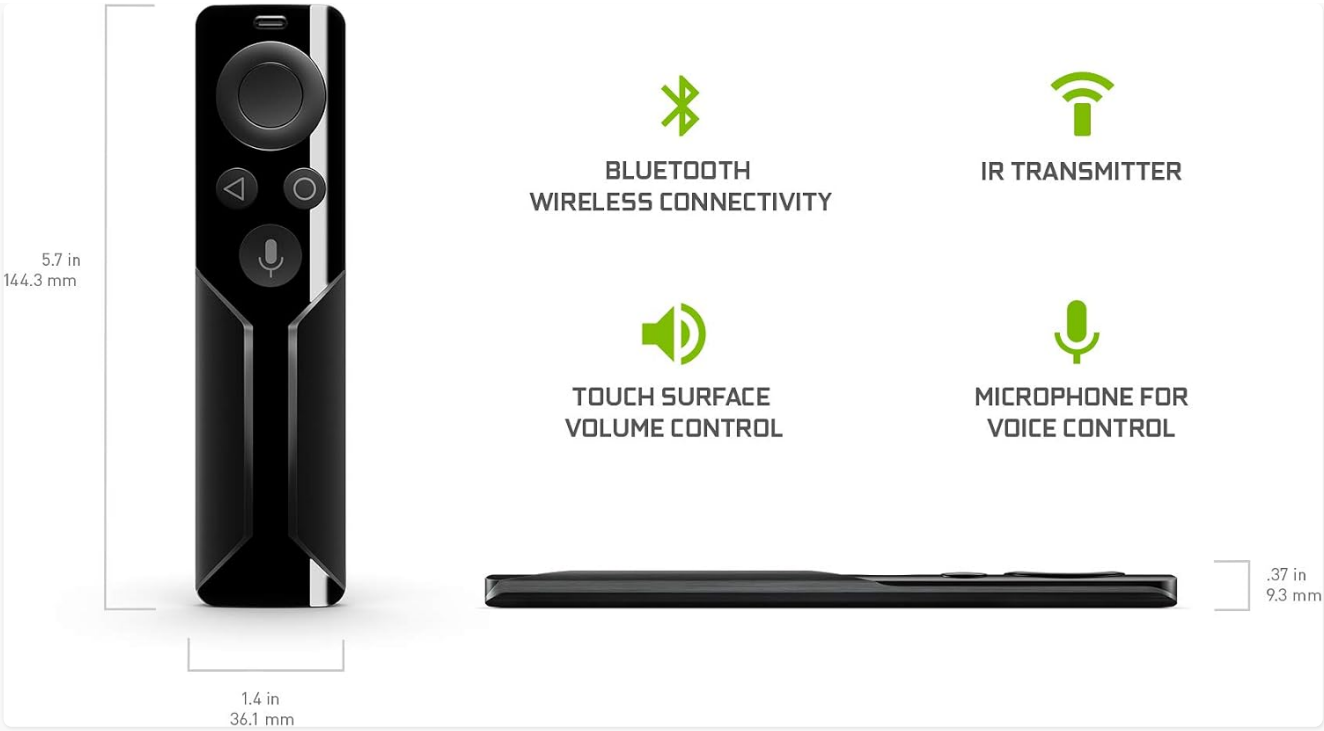


Image: The NVIDIA Shield TV remote control, highlighting features such as Bluetooth wireless connectivity, IR transmitter, touch surface volume control, and a microphone for voice control.

3.3. Game Controller

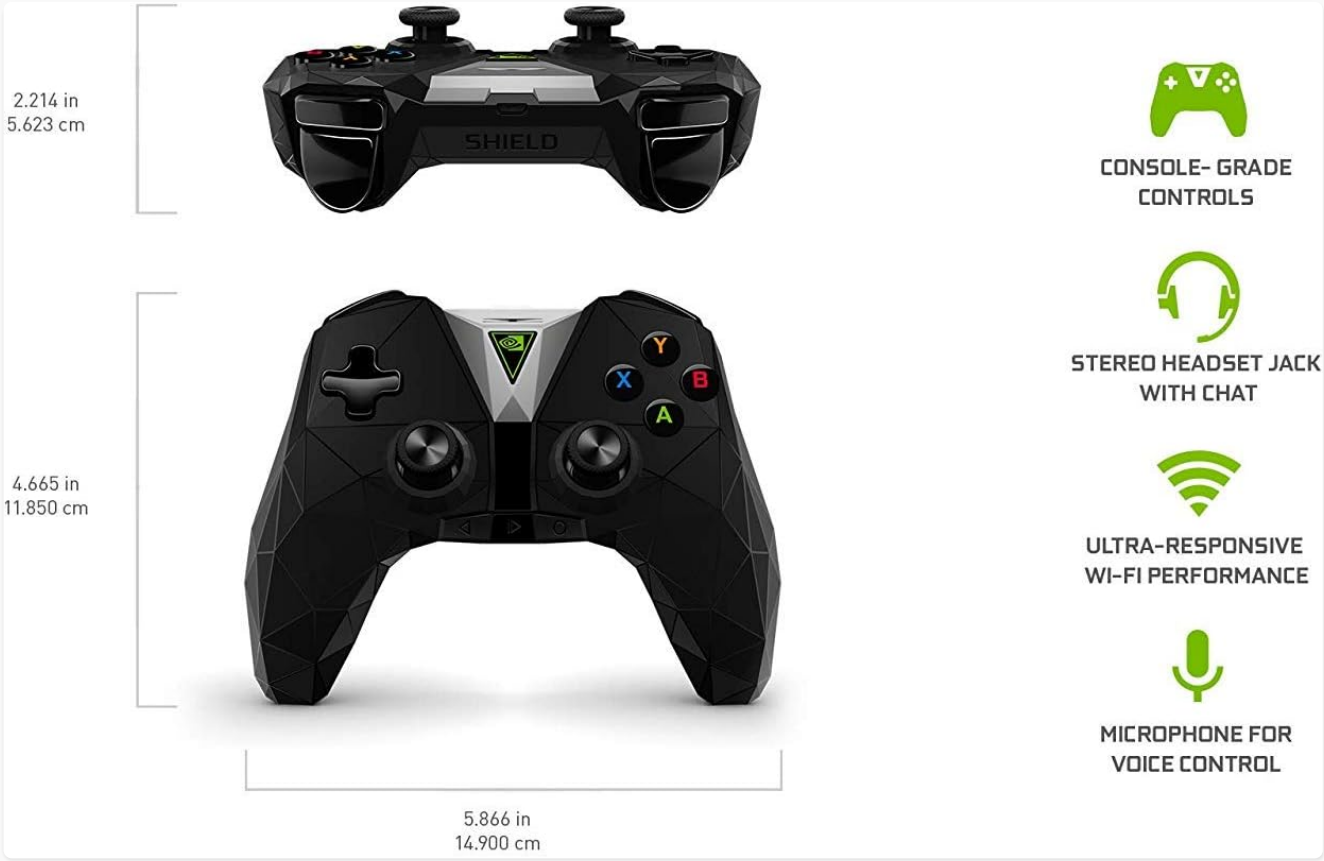


Image: The NVIDIA Shield TV game controller, showcasing console-grade controls, a stereo headset jack with chat, ultra-responsive Wi-Fi performance, and a microphone for voice control.

4. Setup Instructions

4.1. Connecting the Device

1. Connect the NVIDIA Shield TV to your television using an HDMI cable. Ensure the HDMI cable is securely plugged into both the Shield TV's HDMI 2.0 port and an available HDMI input on your TV.
2. Connect the power adapter to the Shield TV and then plug it into a wall outlet.
3. For a wired internet connection, connect an Ethernet cable from your router to the Gigabit Ethernet port on the Shield TV. For Wi-Fi, you will configure this during the initial software setup.
4. Turn on your television and select the correct HDMI input source.

4.2. Initial Pairing and Software Setup

1. Upon first power-on, the Shield TV will guide you through the initial setup process.
2. Follow the on-screen instructions to pair your remote and game controller. This typically involves holding a specific button on the controller until an indicator light flashes.
3. Connect to your Wi-Fi network if you are not using an Ethernet connection.
4. Sign in with your Google account to access apps and services.
5. Complete any system updates as prompted to ensure optimal performance and access to the latest features.

5. Operating Your NVIDIA Shield TV

5.1. Navigation and User Interface

The NVIDIA Shield TV runs on Android TV, providing a user-friendly interface. Use the remote or game controller to navigate through menus, select apps, and control playback.

- **Remote Control:** Use the directional pad for navigation, the center button to select, and the back button to return to the previous screen. The touch surface allows for intuitive volume control.
- **Game Controller:** The game controller offers precise navigation with its joysticks and buttons, ideal for gaming and general interface control.

5.2. Voice Commands (Google Assistant)

The NVIDIA Shield TV integrates with Google Assistant, allowing you to control your device and search for content using your voice. Press the microphone button on your remote or game controller and speak your command.

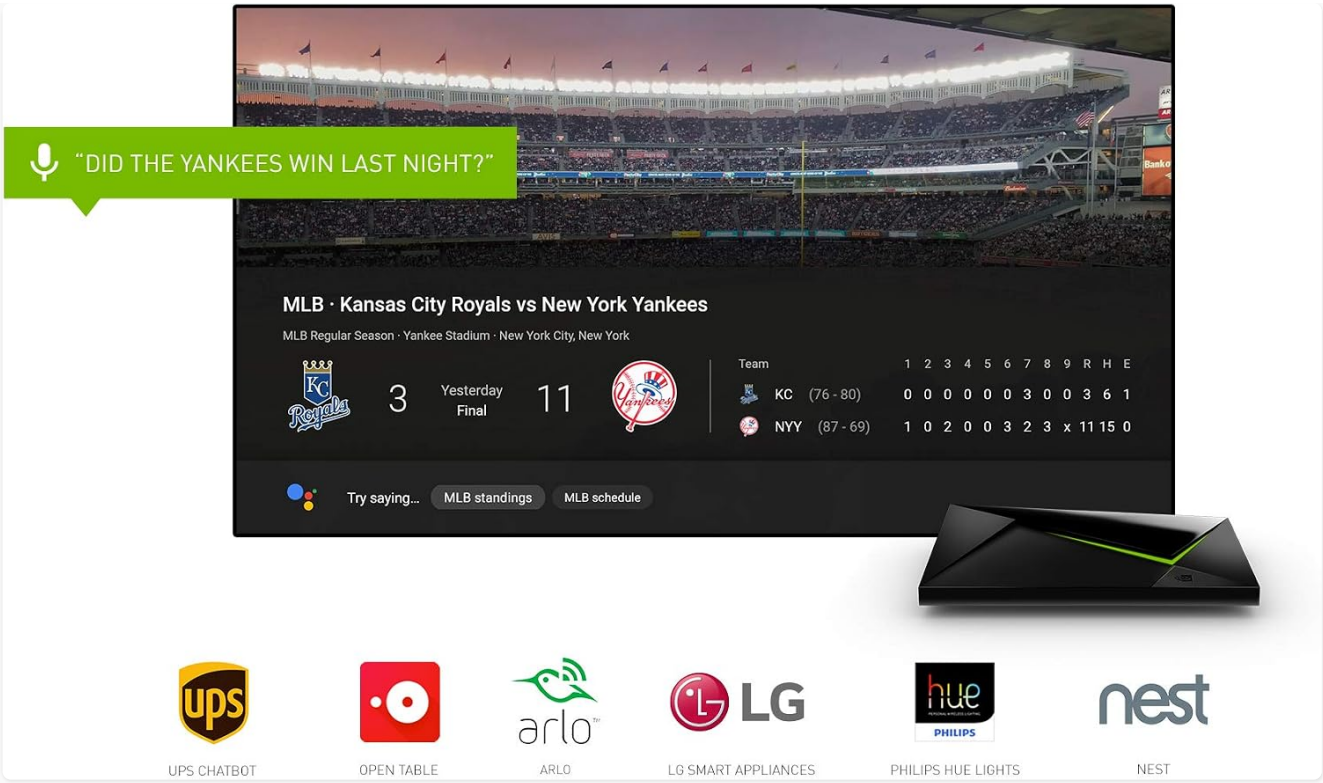


Image: An example of using voice commands on the NVIDIA Shield TV to ask for sports scores, displaying results for a baseball game.

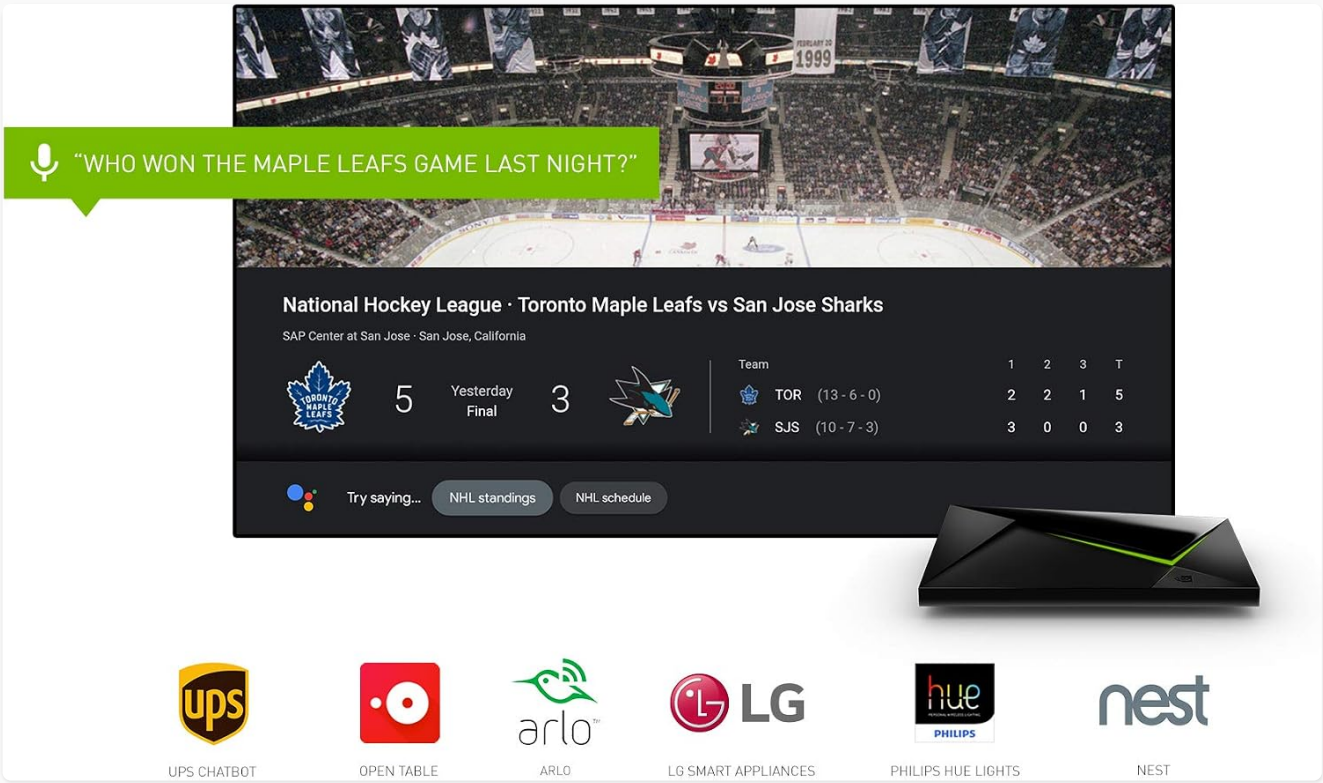


Image: Another example of voice commands on the NVIDIA Shield TV, showing a query for hockey scores and the corresponding game results.

5.3. 4K HDR Video Playback

Experience stunning visuals with 4K HDR support. Ensure your television is 4K HDR compatible and that you are using an HDMI 2.0 or newer cable for optimal performance.



Image: A split-screen comparison illustrating the visual difference between 4K Standard Dynamic Range (SDR) and 4K High Dynamic Range (HDR) content, showing richer colors and contrast in HDR.

5.4. GeForce NOW Gaming

Transform your Shield TV into a powerful PC gaming rig with GeForce NOW. Stream hundreds of supported PC games from the cloud directly to your TV.

Your browser does not support the video tag.

Video: An official NVIDIA video showcasing the NVIDIA SHIELD TV Gaming Edition, highlighting its 4K HDR streaming capabilities and integration with GeForce NOW for cloud gaming.

5.5. Smart Home Integration

The Shield TV can act as a smart home hub, allowing you to control compatible devices and view camera feeds.

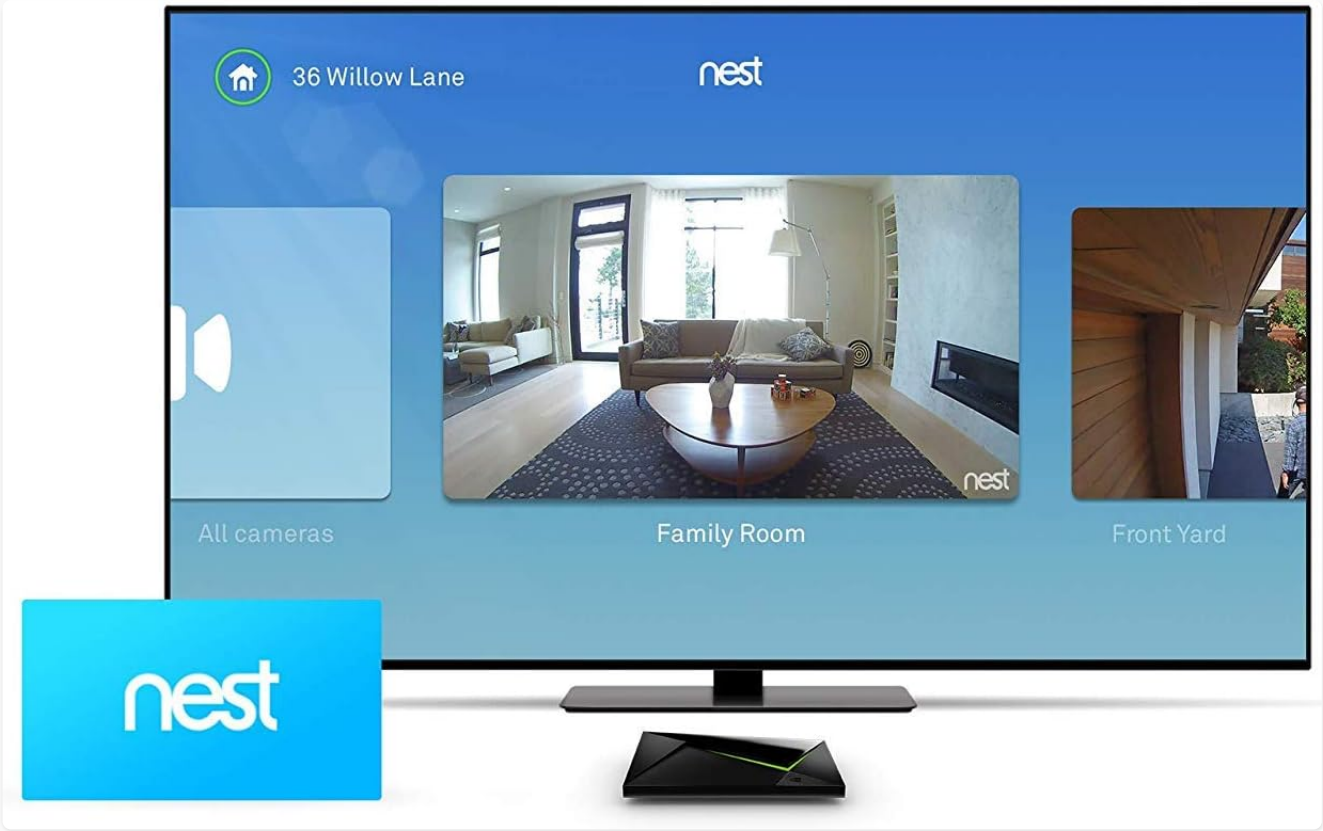


Image: The NVIDIA Shield TV displaying a smart home interface, showing integration with Nest devices, including a live view from a family room camera.

6. Maintenance

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

- Keep the device in a well-ventilated area to prevent overheating.
- Clean the exterior of the device with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Regularly check for and install system updates to receive performance improvements and security patches.
- Avoid exposing the device to extreme temperatures or humidity.

7. Troubleshooting

If you encounter issues with your NVIDIA Shield TV, try the following steps:

- **No Power:** Ensure the power adapter is securely connected to both the device and a working power outlet.
- **No Picture/Sound:** Verify that the HDMI cable is properly connected and that your TV is set to the correct HDMI input. Try a different HDMI port or cable.
- **Remote/Controller Not Responding:** Check the battery levels of your remote/controller. Re-pair the device if necessary by following the on-screen instructions during setup or in the device settings.
- **Network Connectivity Issues:** For Wi-Fi, ensure your router is on and within range. For Ethernet, check the cable connection. Restart your router and the Shield TV.
- **App Freezing/Crashing:** Try restarting the app. If the issue persists, restart the Shield TV. You may also need to clear the app's cache or reinstall it.
- **Slow Performance:** Close unused applications. Ensure the device has sufficient ventilation. Consider performing a factory reset as a last resort (this will erase all data).

8. Specifications

Feature	Detail
Brand	NVIDIA
Connectivity Technology	Ethernet, Wi-Fi
Connector Type	HDMI
Special Feature	Chromecast
Resolution	4K
Supported Internet Services	CBS, ESPN, Facebook, Google Play Movies, HBO, Hulu, NBC, Netflix, Plex, Prime Video, Sling TV, Spotify, Vudu, YouTube, YouTube TV
Controller Type	Amazon Alexa, Google Assistant, Vera
Form Factor	TV Box
Color	Black
RAM Memory Installed	3 GB
Compatible Devices	Television
Memory Storage Capacity	8 GB
Video Output Resolution	1920x1080 pixels
Video Codec	H.264, H.265/HEVC, VP8, VP9, MPEG1/2, H.263, MJPEG, WMV9/VC1
Model Number	945-12897-2500-002
UPC	812674021447
Item Weight	8.8 ounces
Item Dimensions L x W x H	6.26"L x 3.85"W x 1.02"H

9. Warranty Information

The NVIDIA Shield TV comes with a 1-Year Manufacturer Warranty. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the warranty documentation included with your product or visit the official NVIDIA support website.

10. Support

For further assistance, technical support, or to explore additional products and accessories, please visit the official

NVIDIA Store:
Visit the NVIDIA Store on Amazon

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Question

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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