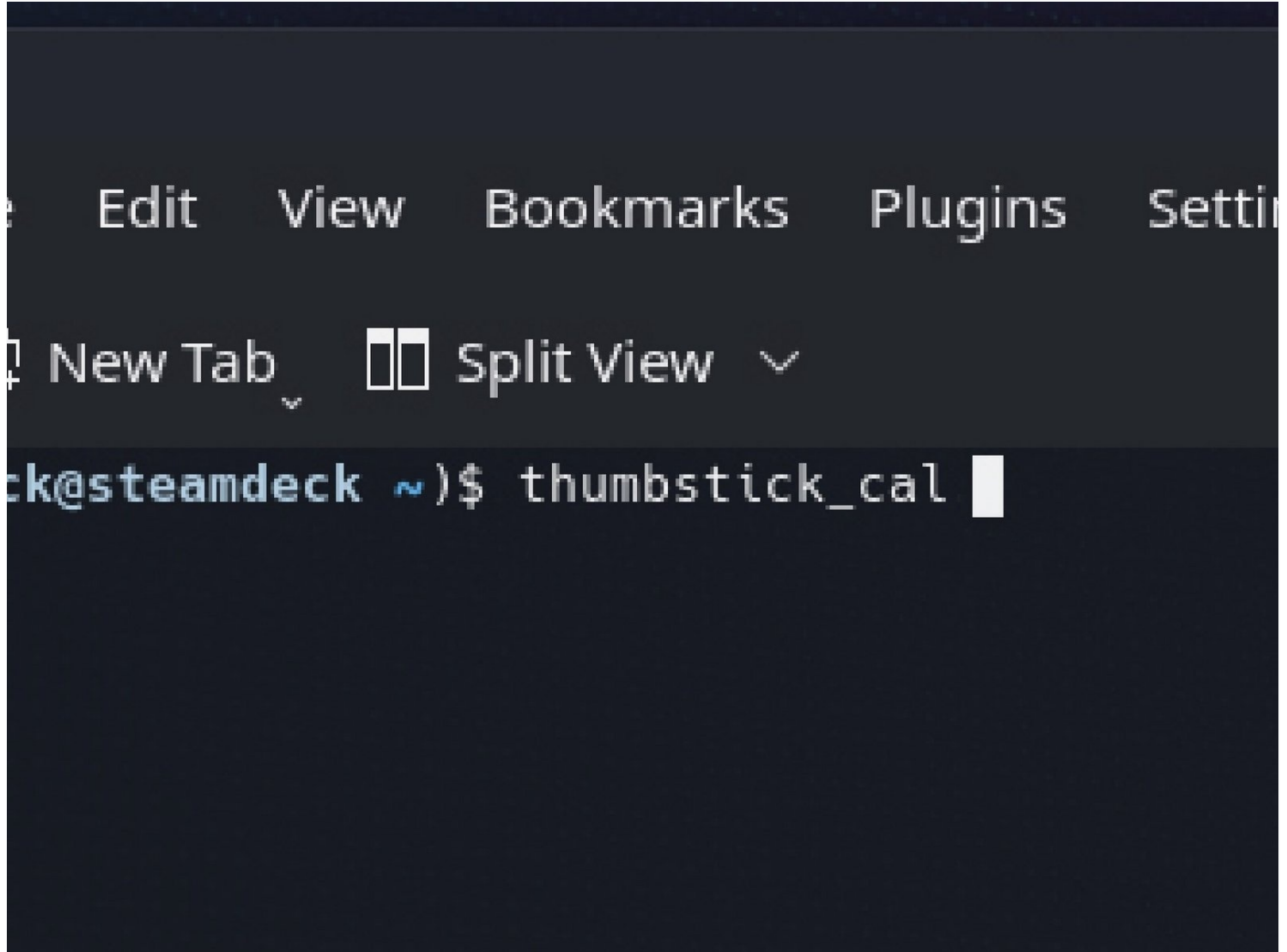




How to Calibrate Steam Deck Thumbsticks

Use this guide to calibrate your Steam Deck's...

Written By: Carsten Frauenheim



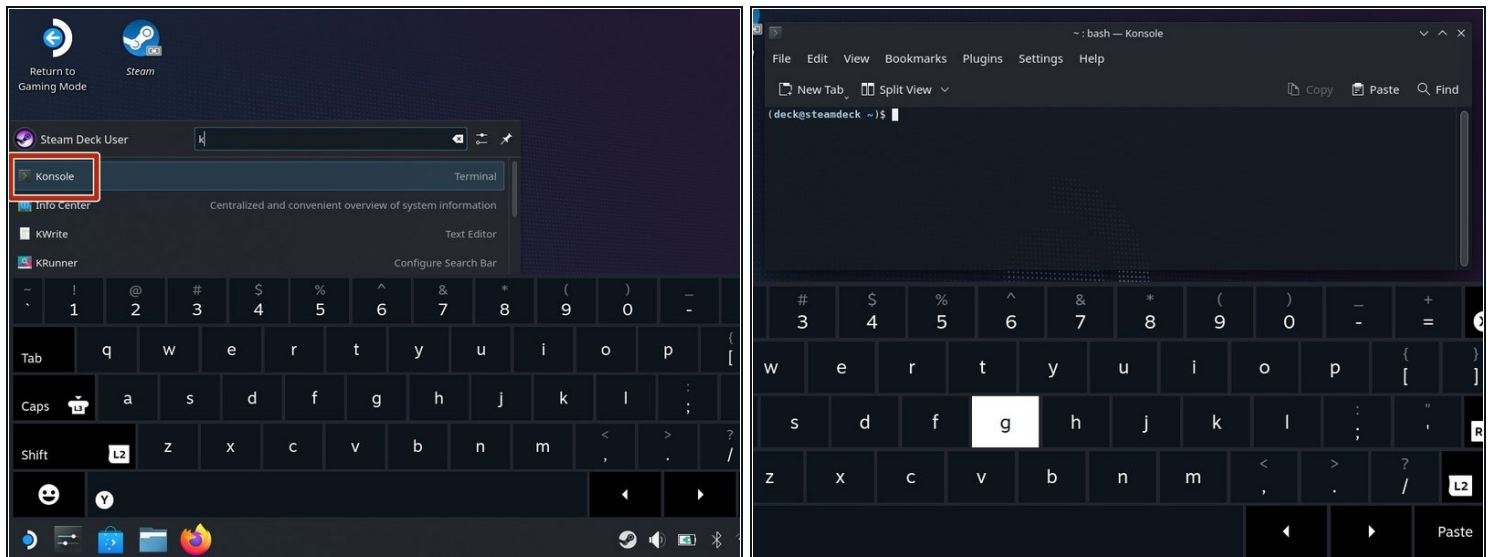
INTRODUCTION

Use this guide to calibrate your Steam Deck's thumbsticks from within SteamOS.

Valve recommends performing this software calibration after installing new thumbsticks.

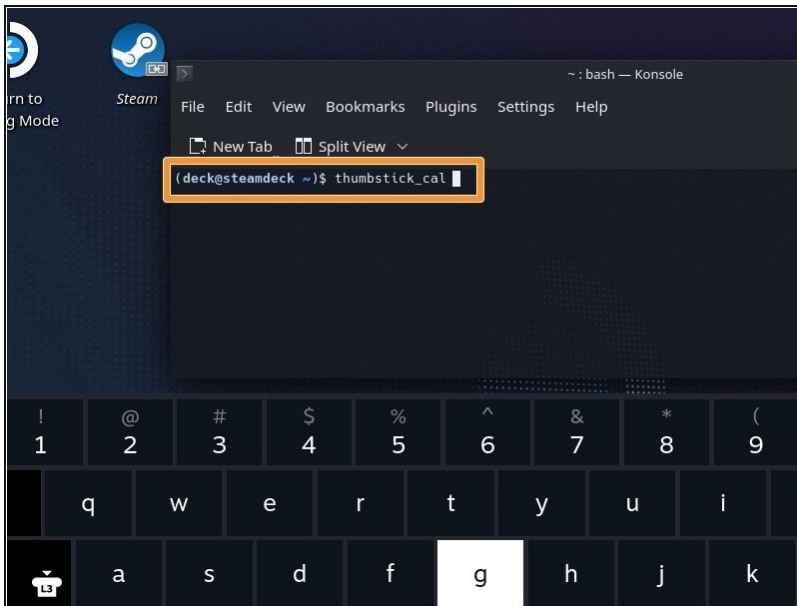
NOTE: Both Steam Deck thumbstick and trigger calibrations may not function in SteamOS version 3.3.

Step 1 — Open Konsole



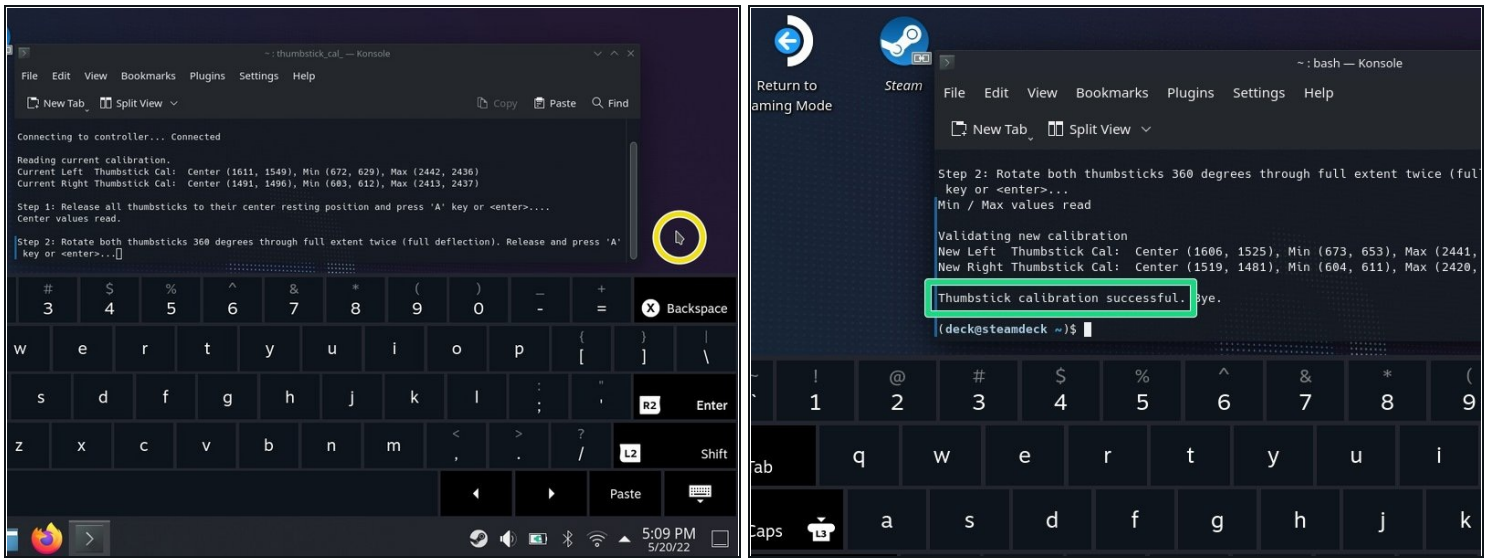
- If you're not already in desktop mode, navigate to the **Steam Menu** → **Power**, and select **Switch to Desktop**.
- ① If you don't have a keyboard plugged into your Steam Deck, you'll need to use the on-screen keyboard.
 - Press the **Steam Button + X** to enable the on-screen keyboard.
- ① Thumbstick calibration is done within a terminal window using SteamOS's console, named *Konsole*.
- From the Search menu, search for and open **Konsole**.
 - ① If you need to, move the Konsole window so your on-screen keyboard doesn't obscure it.

Step 2 — Start the thumbstick calibration



- Within Konsole, type `thumbstick_cal`.
 - ① Alternatively, type `thum` and then press **Tab** to auto-complete.
- Press **Enter**.

Step 3 — Perform the thumbstick calibration



- ① The software will first calibrate the thumbsticks' resting position.
 - Ensure that both thumbsticks are untouched and centered. Press **Enter**.
- ① The software will now calibrate the thumbsticks' full range of motion.
 - Tap on a blank desktop area to move the cursor off of the Konsole window. Make sure Konsole isn't in focus.
 - Rotate each thumbstick through a full rotation (360 degrees) **twice**.
 - Tap on the Konsole window to bring focus back to it. Press **Enter**.
 - That's it! Your thumbsticks are now calibrated. The terminal should say *"Thumbstick calibration successful."*

Click [here](#) to return to the left thumbstick replacement guide.

Click [here](#) to return to the right thumbstick replacement guide.

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our [Steam Deck answers community](#) for help.