

Streamdeck Commander for MacOS

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A powerful, customizable driver for the Elgato Stream Deck.

OVERVIEW

This project provides a powerful, highly customizable background driver for the Elgato Stream Deck on macOS. It replaces the official software, offering deep integration with shell commands, AppleScript, and a configuration workflow based entirely in Apple Numbers.

It is managed via a local web UI and is designed for power users who want to control their Mac's command-line tools with the press of a button.

KEY FEATURES

- **Apple Numbers Configuration:** Configure all your buttons in a user-friendly Streamdeck sheet in Apple Numbers.
- **Web-Based Management:** A lightweight, local web UI (<http://localhost:8765>) allows you to view your button layouts and variables in real-time.
- **Powerful Flag System:** Augment buttons with simple flags to enable advanced features like device targeting, connection monitoring, background processes, and more.
- **Variable Support:** Embed dynamic variables like `{{TAKE}}` or `{{IP_ADDRESS}}` directly into your commands. Edit them on the fly with a long-press.
- **Automated Installer:** A simple, user-friendly .dmg installer handles all dependencies and background service setup.
- **Launchd Service:** The driver runs as a persistent background service that starts automatically on login and restarts itself if it ever crashes.

INSTALLATION INSTRUCTIONS

Installation is handled by the custom installer inside the .dmg package.

- 1 Open the .dmg file.
- 2 Double-click the "**Install Streamdeck Commander**" icon.

- 3 A dialog box will explain the installation process. Click **OK**.
- 4 You will be prompted to enter your administrator password in a standard macOS security dialog. This is required to install the application and authorize it.
- 5 Once you see the "Success!" message, the application has been installed.

Important: You must launch the application once from your /Applications folder to start the background service for the first time.

HOW TO USE

1. Configure Your Buttons in Numbers

The first time you run the application, it should help you create a Streamdeck sheet in a new Apple Numbers document.

- **Open Apple Numbers** and find the document with the "Streamdeck" sheet.
- **Edit the "Commands" Table:** The columns are read in a specific order:
 - **Column A: Button Name:** The text that appears on the Stream Deck button.
 - **Column B: Terminal Command:** The shell command to run. Use `{{variable}}` syntax for dynamic values.
 - **Column C: Feature Flags:** Add flags from the list below to add special behaviors.
 - **Column D: Monitoring Keyword:** If using the ? flag, this is the text the driver looks for in terminal output.

2. Refresh the Driver

The driver does **not** automatically detect changes in Numbers. After you've configured your buttons, press the physical **LOAD** button on your Stream Deck (the top-left key) to pull in your new configuration.

3. Use the Web UI

There are two ways to open the web interface:

- **Easy Way: Long-press the ▼ button** on your Stream Deck.
- **Manual Way:** Open a web browser and go to <http://localhost:8765>.

CONFIGURATION: FEATURE FLAGS

Use these flags in the "Feature Flags" column (Column C) in Numbers to control button behavior.

@ (Device Target): Marks a button as a "target device." Other buttons send commands to this device's terminal.

~ (Monitor Connection): Continuously monitors an @ device's SSH connection, showing "CONNECTED" or "BROKEN".

*** (Record Button):** A stateful button. Short-press starts/stops the command. Long-press edits variables (SCENE, RECPATH).

? (Keyword Monitor): Runs a command and monitors its terminal output for the "Monitoring Keyword" from Column D.

(Numeric Adjust): Long-press to enter a mode where ▲ and ▼ keys adjust a numeric variable in the command.

V (Variable Edit): Allows you to edit any {{variable}} in the command with a long-press.

T (Sticky/Top): Pins the button to the top of the Stream Deck screen, regardless of pagination.

N (New Window): Forces the command to always execute in a new terminal window.

K (Keep Local): Forces a command to run locally, even if an @ device is active.

M (Mobile SSH): Transforms an SSH command (e.g., ssh root@host) for a mobile context by changing the user to mobile@.

& (Background Toggle): Runs the command as a silent background process. Press again to terminate it.

> (Confirm Action): Displays a confirmation dialog before running the command.

1-99 (Font Size): Sets the label's font size. This is just the number (e.g., 22). Colors are separate flags. The default size is 13.

D (Dim Color): Dims the selected base color (e.g., GD for dim green).

R, G, B, O, Y, P, S, F, W, L (Colors): Sets the button's background color. (Red, Green, Blue, Orange, Yellow, Purple, Silver, Fuchsia, White, Light)

UNINSTALLATION

To completely remove the driver and all its components:

- 1 Make sure "Streamdeck Commander" is not running.
- 2 Drag **Streamdeck Commander.app** from your /Applications folder to the Trash.
- 3 **(Optional) To remove all configuration data:**
 - In Finder, click **Go > Go to Folder...** from the top menu bar.
 - Enter the following path: ~/Library/Application Support/StreamdeckCommander
 - Drag this folder to the Trash.

This will remove all related files from your system.