

# Streamdeck Watson Control

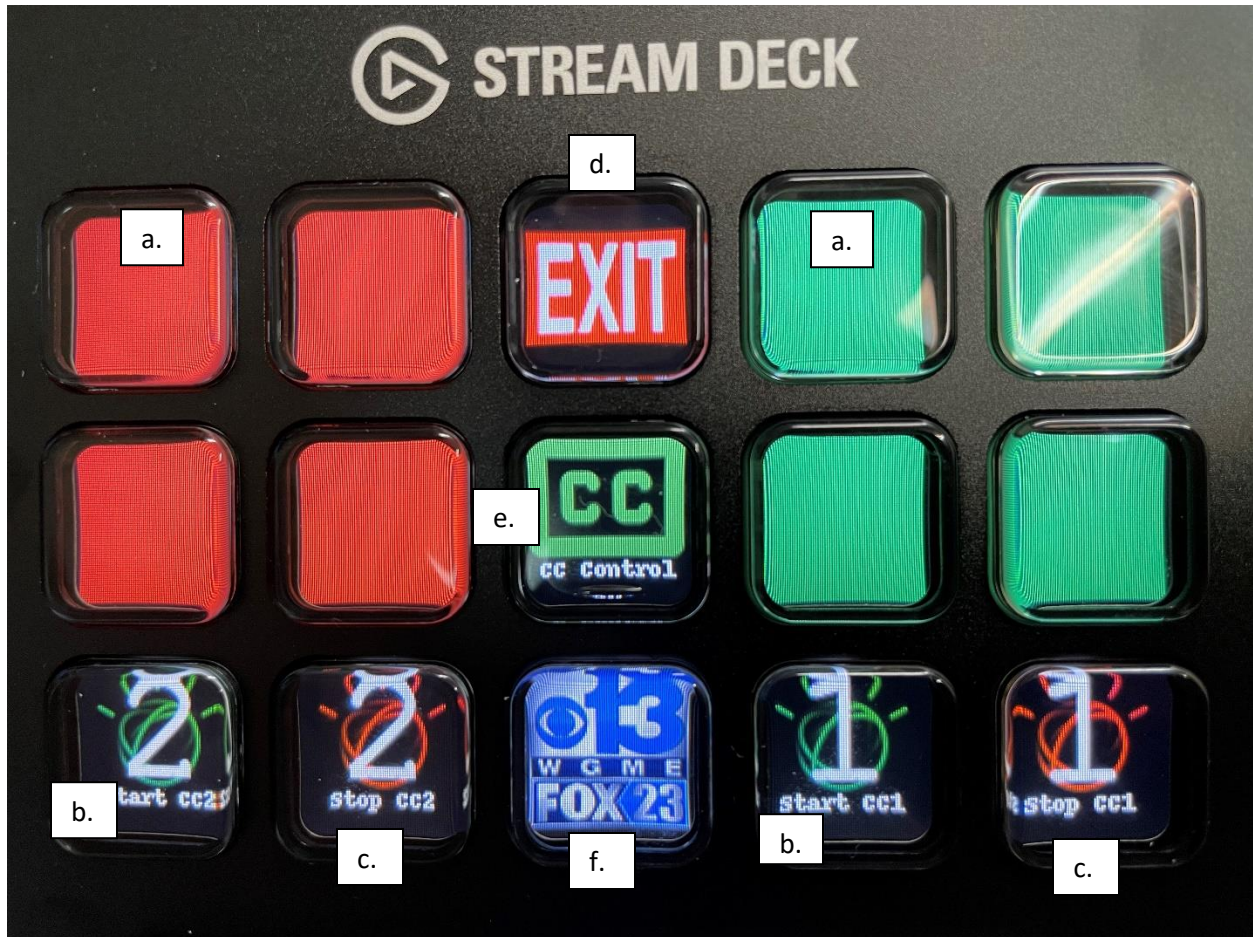
## Contact Info

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**Purpose:** This script allows you to control your Watson closed captioning systems via an [ElGato Streamdeck](#). Functionality includes starting captioning, stopping captioning, and viewing the current status of the captioner.

## Operation:

1. Panel usage – See image on next page
  - a. Closed Caption Status Indicator: Illuminates green when captions are running, as seen on Watson 1 on the right, and red when captions are not running, as seen on Watson 2 on the left.
  - b. Start Closed Captioning: Starts the closed captioning on the Watson, with the numbers corresponding to the Watson unit. If captioning is already running, this has no effect.
  - c. Stop Closed Captioning: Stopss the closed captioning on the Watson, with the numbers corresponding to the Watson unit. If captioning is not running, this has no effect
  - d. Exit: This exits out of the python script, leaving the ‘Launch Watson Control’ icon in the middle active. Useful for debugging or restarting in case of issues.
  - e. Launch Watson Control: This launches the Python script that controls the system. If the program exits cleanly, this button will remain after exit, and if you’ve also installed the ElGato Streamdeck management application, you can set it up to ensure it is set to that location through there as well.
  - f. Station Logo: This has no functionality beyond looking pretty.



## Installation

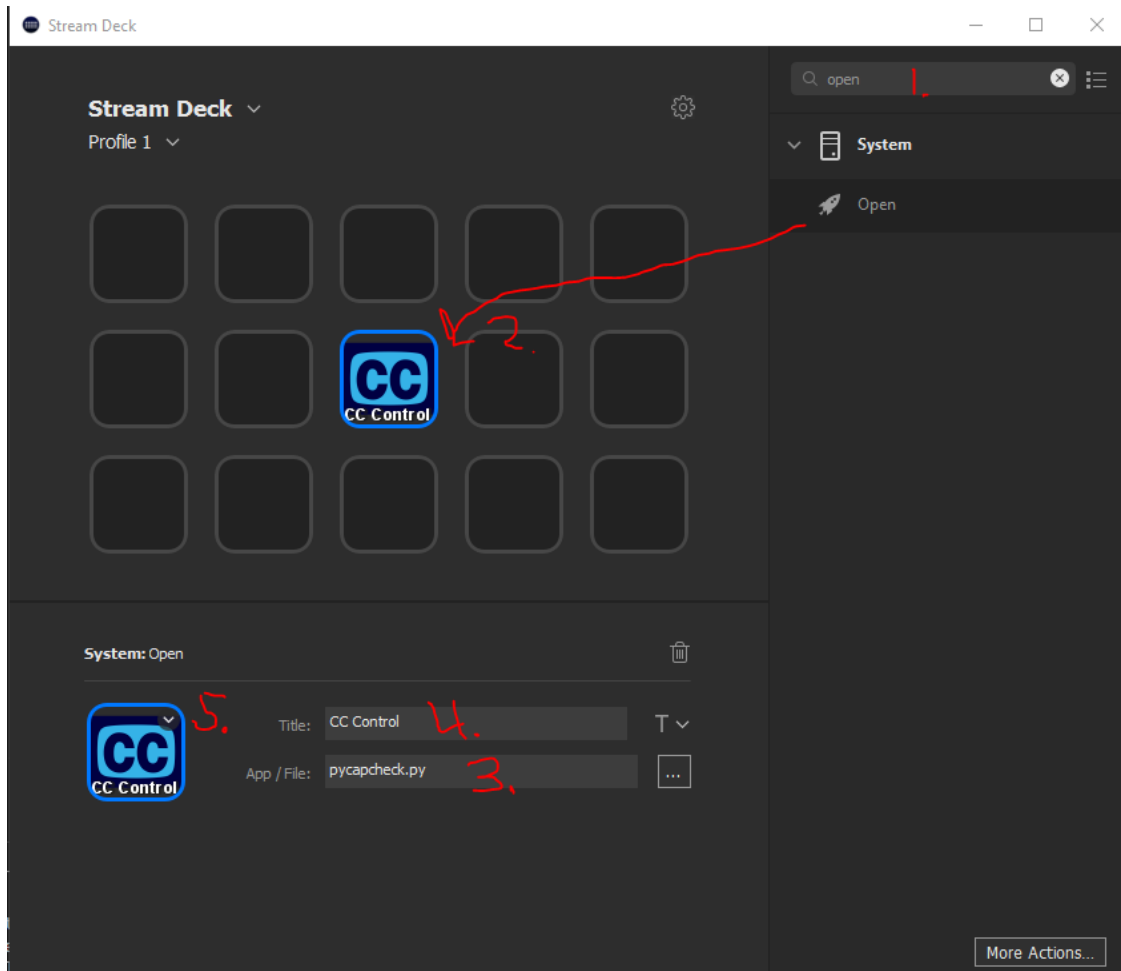
This has several dependencies. Pillow and HIDAPI have installation instructions baked into the Streamdeck library instructions.:

- [Python 3.9](#) – May work with older Python 3 versions, just untested.
- [Python-Elgato-Streamdeck Library](#) – This can be installed via npm. Documentation can be found at the link. This allows easy interaction with the Streamdeck.
- [Pillow](#) – Also installable via npm. This is used to make the images for the key tiles.
- [HIDAPI](#) – Enables interaction with HID devices. Used by the Streamdeck library to communicate with the deck. If using Windows, ensure you use the correct 64/32 bit.
- [Requests](#) – This handles pulling from the Watson API.
- (Optional) [ElGato Streamdeck Software](#) – This is not strictly necessary, it is simply useful for ensuring the launch button is always on the deck.

Ensure all the above are installed. You should also have a folder with the script and an 'Assets' subfolder that contains 9 PNG images. The script is relative, so place the folder wherever you like before doing the following:



- c. Click the three dots to the right of the box, and locate the script py file.
- d. Fill in the label with what you want it to be called.
- e. Click the arrow over the image, choose from file, and select the SWCLogo image.



### Known Issues:

- Currently only allows for two Watsons.
  - Will be fixed in the dynamic allocation update.
- Currently only allows for the 15 key Streamdeck.
  - Will be fixed in the dynamic allocation update.

### Future Plans:

- Dynamic sizing/layout/Watson count
- More user-friendly variable entry

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The Python Imaging Library (PIL) is

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Pillow is the friendly PIL fork. It is

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