Set Control Shift Esc Button How To

r/TheGeekLounge · Posted by u/Format Shadow 2 years ago

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A couple days ago I came here asking for a solution on how I could get hands-free Siri activation in my car. Well, I found a solution that involves using a keyboard shortcut to trigger Siri, but it requires an external keyboard or to the optimist I'm managing to turn the entire console into one a touch sensitive surface **without** removing any panels, hardening any circuits, or hacking any STM32 Software. I'm going to spell out the process here and how you could do it on your car as well.

Prototype, Note the USB-C port on the center console

To get started you will need to purchase:

1. ESP32 from Amazon
2. USB to Micro USB from Amazon or USB to Micro USB with a Cigarette Lighter 12V Adapter
3. Arduino jumper Cables from Amazon (optional)

You'll also need to download:

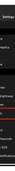
1. Arduino IDE for your operating system from Arduino
2. The "Sci-Bakery" software I wrote to install on the ESP32 from here
3. ESP32 Driver for your operating system so you can communicate with it from here

Step 1 Programming the ESP32

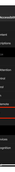
1. After you've installed Arduino IDE, unzip and open the "Sci-Bakery" software
2. Plug your ESP32 into your computer and wait for it to show up in the software by clicking the arrow next to the checkmark at the top left of the window. If you're having trouble communicating with your ESP32, follow this tutorial on how to call the library.
3. Unplug your ESP32 from the computer and breath, the hard part is done.

Step 2 Setting up your phone to recognize the command from the ESP32

1. With your ESP32 plugged into a power source USB computer or wall plug, go to settings on your phone and go to Bluetooth.
2. Find the "Sci-Bakery" Bluetooth device, and click it. Make sure to click on "pair" when you're prompted.
3. Go back to the main page of settings, and then go to "Accessibility"



4. Now, go to "Keyboards"



5. After that, go to "Full Keyboard Access" and turn it "On"

6. Tap on "Commands" and Scroll down to the "Siri" Option

7. Click on the "Siri" option and then click "Clear"

8. Tap on "Siri" again and with your ESP32 powered on, touch the pins on the **left (labeled "SD")** of the board until you hear the Mac/iPhone/iPad recognition tone activate Siri.

9. Press on "Done" and pack up. Let's head to the Tesla.

Note: The "Siri Button" software runs on a custom six channel hub includes the center console lines, so touching the pins on the right (labeled "STS") with your finger before pairing is a lie car will NOT activate Siri.

Step 3 The Tesla

1. Attach a jumper to the ESP32 on the **right side** on the pin that's *****