

## Assembling the No Phone Contact Tracer

1. To have: 1 ESP32, 1 USB micro cable, 1 2500mAh (minimum) battery. Sample sources: [ESP32](#), [cable](#) (get a 1 ft long one), [battery](#). Note: Many times the battery will come with a suitable cable.

2. Get the ESP32 and plug it into your computer using the USB cable.

3. Download this file: [npct.bin](#).

4. Download this ESP32 "flashing" program": [Window](#) or [macOS](#).



5. Run the flashing program. Click top right "Browse..." button (same line as the "Flash App..." description).

6. Tell it about the npct.bin file you downloaded in step 3.

7. Click the big "Flash" button. If nothing happens, you may have to try a different Serial Port.

8. It's working when you see a "Connecting....." message in the text box at the bottom. When this happens, press and hold the "BOOT" button as shown to the right (red arrow) until "Writing..." message appear, then release the button.

9. When writing reaches 100%, you are done, and do not have to repeat this again. You can delete the npct.bin file and the flashing software.

