

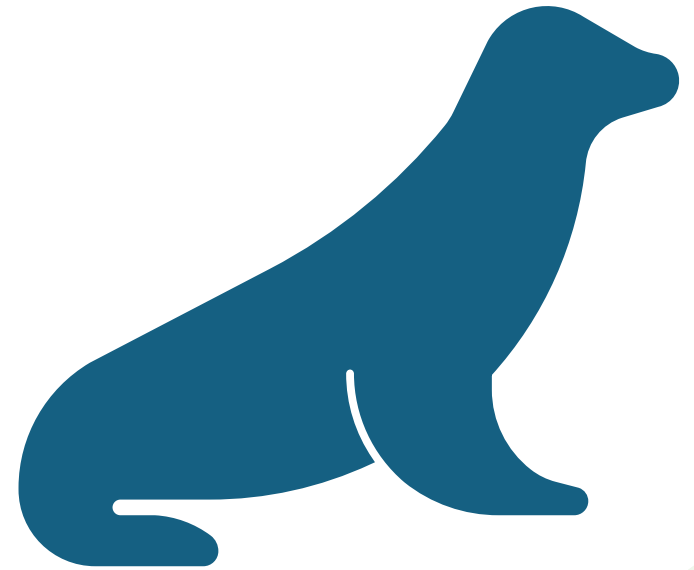


Flipper Zero Demonstrations

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What is the Flipper Zero?

- The Flipper Zero is a pocket-sized, consumer-friendly gadget that can interact with many of the signals all around us, making it useful for hobbyists and security researchers.
- Capabilities include:
 - Sub-1 GHz Radio
 - RFID / NFC (Low & High Frequency)
 - Infrared (IR)
 - iButton / 1-Wire
 - BadUSB
 - App Store & Extensibility
- It also has GPIO pins and a USB C port for added extensibility



Technicalities

- A strong understanding of wireless signals is necessary to use the Flipper Zero to its fullest capabilities.
- As well, experience with hardware and firmware is important to be able to unlock the Flipper Zero for even more potential.
- However, the UI is very simple, and it is easy to interact with
- Otherwise, the Flipper Zero is just a toy.
 - It can download some games
 - Mindless experimenting
 - Expensive dust collector



Progress

- Flipper Zero was flashed with the Unleashed custom firmware using the qFlipper app on macOS.
- Additional apps (BLE Spam, SubGHz remote, Wi-Fi marauder) were installed via the Flipper app on iOS.
- A Wi-Fi ESP32 dev board received custom firmware via macOS and an online flasher; devices were then connected and demonstrations performed.
 - NFC, SubGHz, Infrared, Bluetooth, Wi-Fi

Next Steps



Plan to measure the effects of the demonstrations using quantifiable metrics to assess Flipper Zero's usability.



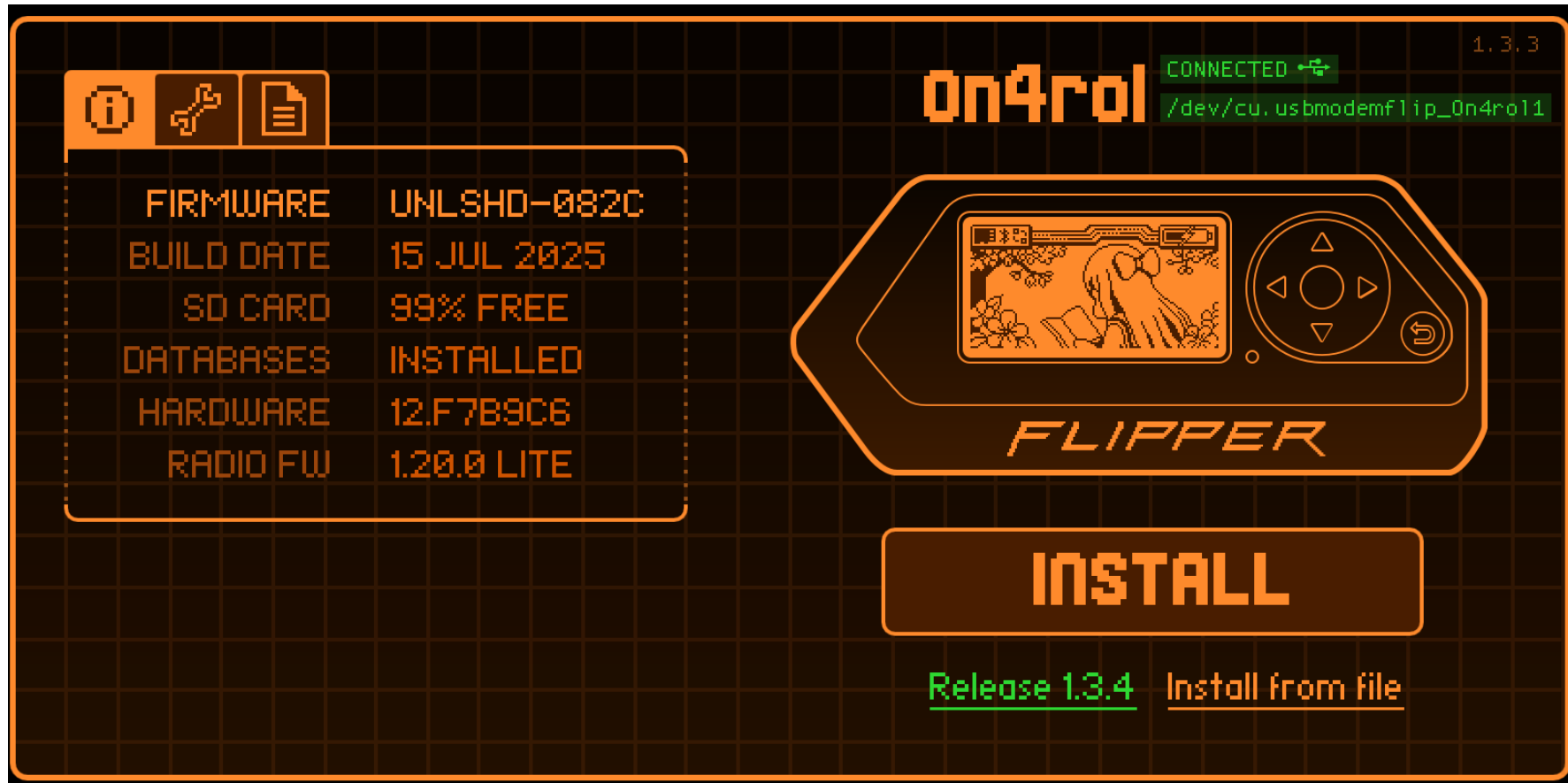
Document the entire process thoroughly to provide reproducible records.



Verify and validate each step to confirm legitimacy and accuracy of results.

The background of the image is a close-up, shallow depth-of-field shot of a large pile of wooden question marks. The question marks are made of light-colored wood, showing natural grain patterns. They are scattered and overlapping, with some in sharp focus in the foreground and others blurred in the background. A dark grey horizontal bar with a decorative, slightly irregular right edge is positioned in the lower-left quadrant of the image.

Questions?



Demonstration