ERGO
SEC

PROJECT DOCUMENTATION:

Wi-Fi Disrupting Sign

(Version 1.0)

PROJECT CATEGORY: SOCIAL ENGINEERING/OTHER

Wi-Fi Disrupting Sign

The Wi-Fi Disrupting Sign is built from a few simple "hardware" components:

- Raspberry Pi Zero development board
- Small battery
- Small switch to complete the circuit
- Micro USB cable
- MicroSD Card
- Xacto knife
- Foamboard & printer

Approximate size: 8.5in x 11in or 8in x 10in

Purpose

Red teams and pentesters shouldn't have to worry about losing pricey equipment. The design of this sign is inexpensive and disposable if it needs to be. A pentester could walk into a target location using whatever social engineering technique they wish (in this case, a painter), and simply stick this device to a wall.

Print out the type of sign that you need, stick it to the foam board, then cut your compartments with Xacto knife.

This is a short range device that can:

- Disrupt Wi-Fi
- Force connections to phones via KARMA attack (Mimics Wi-Fi Pineapple)
- Send out spoofed Wi-Fi SSID beacons for messaging
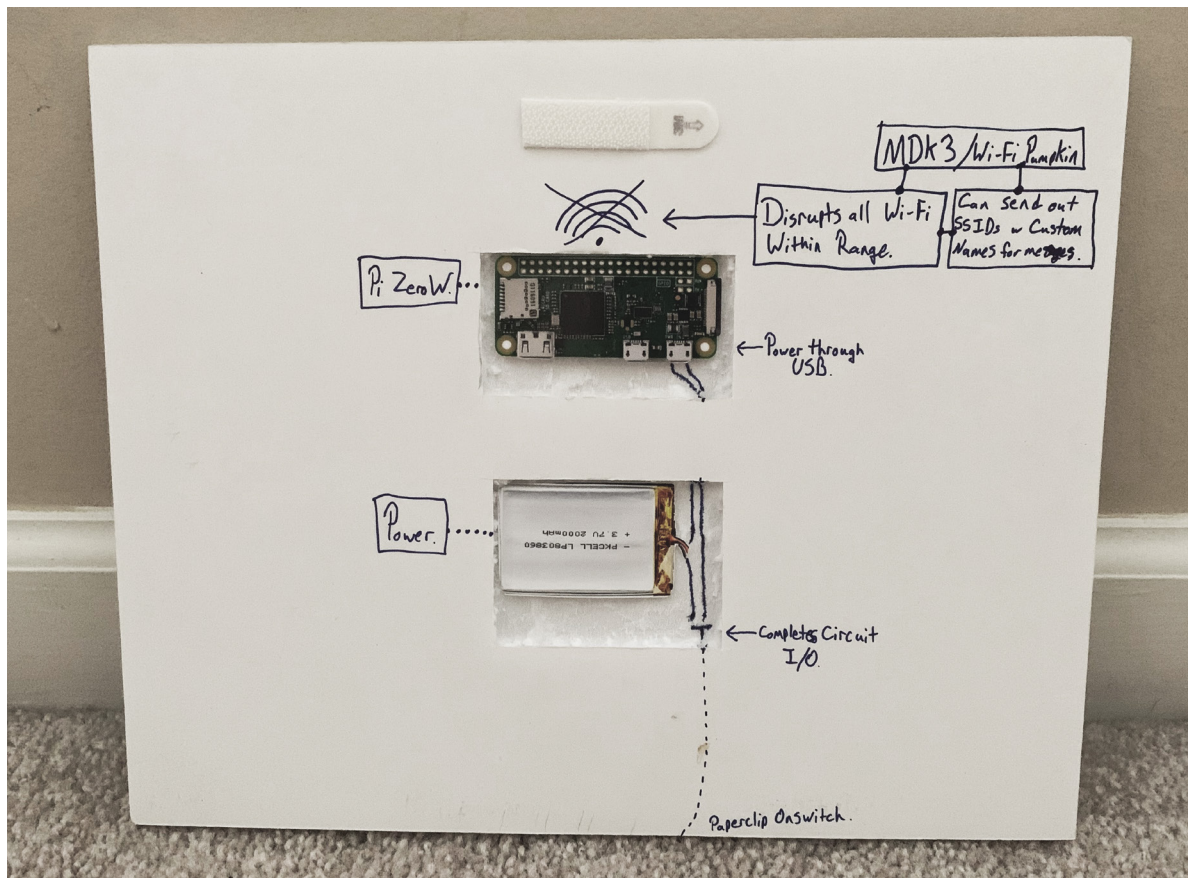
FUNCTIONALITY

Pentester conducts recon on area to gain Wi-Fi information

Device runs off of NOOBS OS or any other resource-light Linux OS.

User uses paperclip to turn on device through hole at the bottom.

Bash scripts automate the processes at boot.

Back of sign will be covered to protect and obfuscate electronics.

PARTS

Operating System
https://www.raspberrypi.org/downloads/noobs/

Raspberry Pi Zero W
https://www.adafruit.com/product/3400

Battery
https://www.adafruit.com/product/2011

Note: Switch depends on form factor andwhere you want to place it.

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