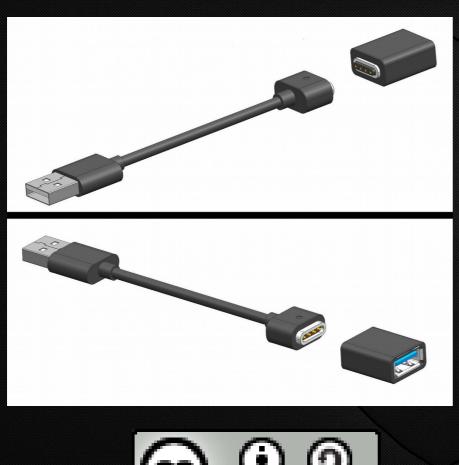


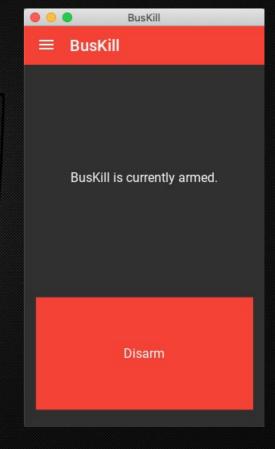
Michael Altfield https://buskill.in



Project







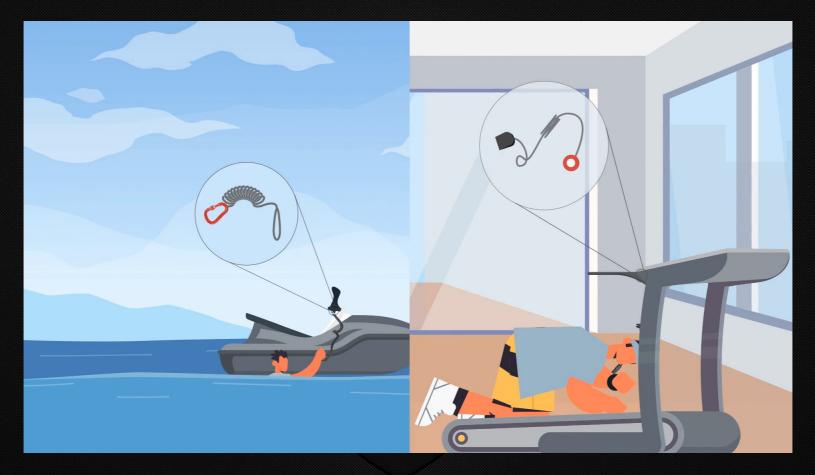




https://github.com/buskill BUS



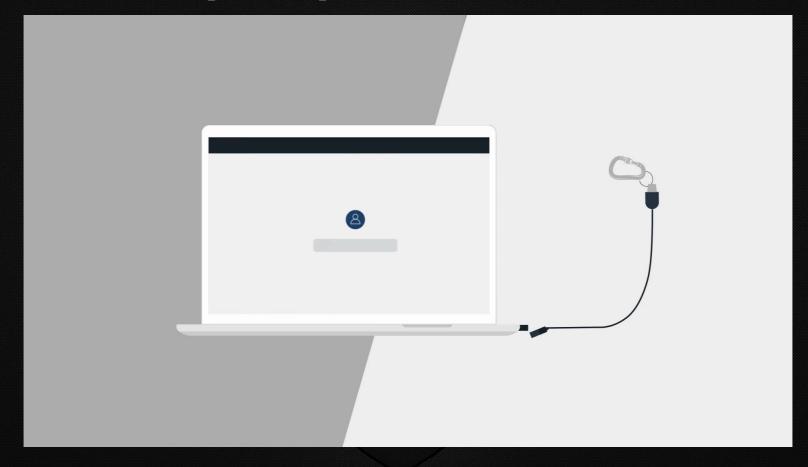
The Kill Cord



Boats, Jetskis Treadmills



Laptop Kill Cord





The Problem

280 Journalists Imprisoned

in 2021



CPĴ

Source: cpj.org/data/





News Opinion Sport

World ▶ Europe US Americ

Unlawful Raids

Targeting Activists, Political Prisoners

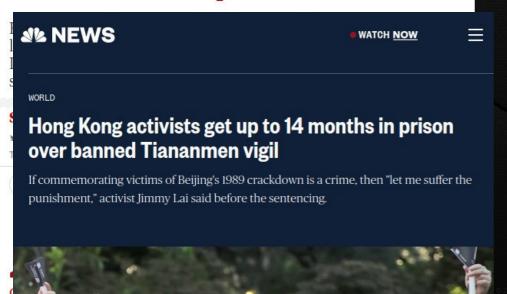


(2) Log In

More -



The long read **India's war on Greenpeace**



Belarus jails opposition leader's husband Syarhei Tsikhanouski for 18 years in 'revenge' verdict



News Opinion Sport Culture Lifestyle



World Europe US Americas Asia Australia Middle East Africa Inequality



Israel

'Israel is joining an ugly club,' says rights group as director expelled

Why?

FDE, 2FA, etc

 Limitations in physical attacks (after auth)

 How to auto "un-auth" (when replaced at the helm)

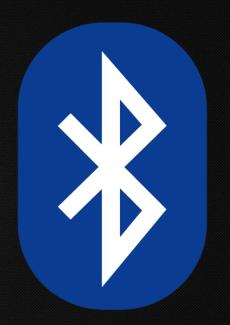


Solutions

- Bluetooth
 - + lots of options
 - + convenient

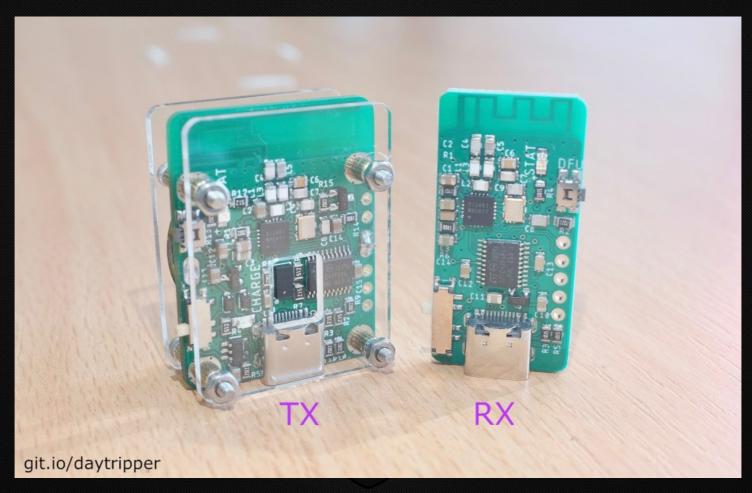


- Unreliable tech (tuned slow)
- High attack surface (radio)





Solutions



- Lasers
 - false-negatives



Inception

Created for Travel



• DIY Guide (2020) Hacker News → Press Explosion



New USB cable kills your Linux laptop if stolen in a public place

Building your own BusKill cable costs between \$20 and \$45.



By Catalin Cimpanu for Zero Day I January 2, 2020 -- 21:56 GMT (05:56 SGT) I Topic: Security

A software engineer has designed a so-called USB "kill cable" that works as a dead man's switch to shut down or wipe a Linux laptop when the device is stolen off your table or from your lap in public spaces like parks, malls, and internet cafes.

The cable, named **BusKill**, was designed by Michael Altfield (https://twitter.com/MichaelAltfield), a software engineer and Linux sysadmin from Orlando, Florida.



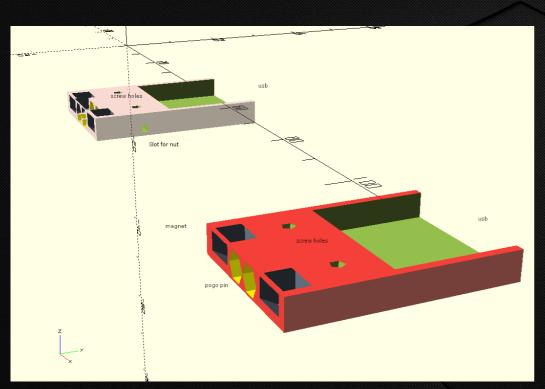
Linux-only (udev)

```
cat << EOF | sudo tee /etc/udev/rules.d/busKill.rules
ACTION=="remove", SUBSYSTEM=="usb", RUN+="DISPLAY=:0 xscreensaver-command -lock"
EOF
sudo udevadm control --reload</pre>
```

- •2017 Initial Dev, QubesOS Only
- 2020-01 Windows CLI port by community
- •2020-06 GUI App
 - Windows 10 (PyInstaller)
 - MacOS (DMG)
 - Linux (Applmage)
- •2020-10 GUI App v0.4.0 Released



Libre Hardware







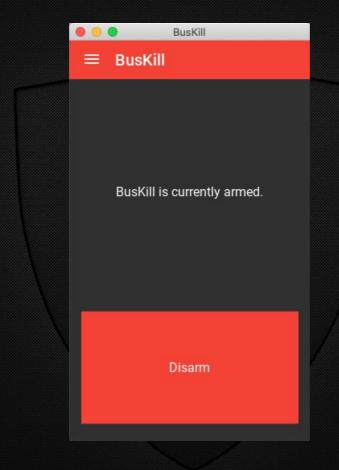


https://github.com/BusKill/usb-a-magnetic-breakaway



BusKilla

Free Software



https://github.com/BusKill/buskill-app





Self-Destruct

(in 5.2 seconds)





Get Involved

Roadmap

docs.buskill.in

Hardware

• 3D-Printable Magnetic Breakaway

Self-Destruct Triggers

- Veracrypt
- FileVault
- BitLocker

CI, DevOps, QA

- Reproducible Builds
- More OS Testing

Python Dev Roadmap

- Shutdown trigger
- Port to Android/iOS

Attribution

- Michael Altfield
- cyberkryption
- Steven Johnson
- Jacob Neplokh
- Melanie Allen



Self-Organized Talk



@MichaelAltfield



michaelaltfield.net

PGP Fingerprint: B162 9E1F 1737 EC4F 74C9 E923 1EF1 68D2 68C4 0535

