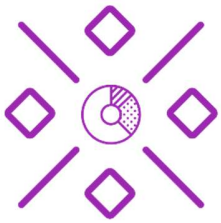

Instant Devices

FREQUENTLY ASKED QUESTIONS

USB KILLER DETECTOR

What is the use of this device?

Device detects a USB Kill, which is a USB flash drive that converts the low voltage in a USB port into about 220 Volts, causing damage to hardware when connected into a USB port. Device works as a security layer to protect your computer/phones or any other device that has a USB port.

Does this device require batteries?

Yes, version 1 of this device requires the following battery:

https://www.digikey.com/en/products/detail/sparkfun-electronics/PRT-13813/6605198

https://www.sparkfun.com/products/13813

Can I recharge batteries using device?

Of course!

Will a regular USB flash drive be damaged if connected to device?

No, regular USB flash drives are not damaged.

USB Kill will still be functional after detection.

Can this device be used as a middle point between USB flash drive and computer/phone?

No, device will only show if USB flash drive inserted is a USB Kill. Data transference is not possible in any of these versions yet.

How do I know if device is on, charging or if USB flash drive will damage my computer/phone?

Version 1

Charging = yellow light turns on.

On (ready to detect) = green light.

USB Kill detected = red light turns on.

Version 2

Ready to detect = yellow light turns on.

USB Kill detected = red light turns on.

How long does a battery charge last?

This depends on the use. Regularly, a fully charged battery can last several days.

How should I use this device?

Insert USB flash drive into USB port and press switch. Repeat this step at least 2 times. Keep an eye on the red light for results because if red light turns on means that USB flash drive is a USB Kill.

Is there a limit in the number of times I can detect a USB Kill?

Battery charge is the limitation on version 1.

A charge cable with electricity is the limitation on version 2.

Does this device have a case?

There are 2 different cases available for version 1.

- Case 1: Internal Battery (non-removable).
    - A Nomex Sheet between battery and PCB is recommended
- Case 2: External Battery (removable).
    - This cable is recommended: https://www.adafruit.com/product/1131

There is 1 case for version 2 as this version does not use any battery.

What company and configuration do you recommend for 3D printing cases?

We recommend using Sculpteo.

SLS (Plastic)

Nylon PA12 100-120µ (White)

Finish: Dyed Polished, Black

What weaknesses this device has?

If a USB Kill is connected to micro-USB port (charging port), then device should be affected.

What charger do you recommend to charge device?

Regular micro-USB phone chargers with an output of 5V/1A or also 5V/2A.

What screws does cases of the devices use?

Self-tapping M2x6 screws.

Is there any troubleshooting guide?

Yes, there is a troubleshooting guide for PCB assembly and quick testing.

How is this device superior to competitors?

Device can detect USB Kills without involving a valuable hardware in the process. Besides, device is small, portable and its use is straightforward. Device can be used at any time without many requirements, while obtaining results take seconds.