Blackout Comms Remote Switch - DIY

⚠️ This can be dangerous, do not attempt unless you have a good undersanding of electronics!
This feature experimental and may contain bugs!

T3S3 Paper Link with Relay

What it Can Do

- Everything a Blackout Comms link can do, plus:
- Remotely turn a switch on
- Remotely turn a switch off
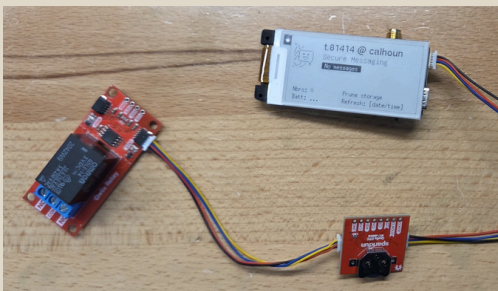- Remotely turn a switch on for 5 sec

Required Components

One of the Following time sources, plus a relay, along with Qwiic wire to connect them:

- Adafruit DS3231 RTC
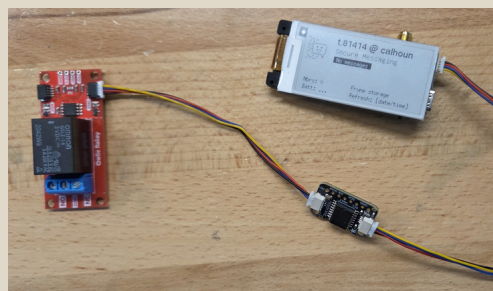- SparkFun RV-8803 RTC
- SparkFun Qwiic Relay

1. Choose one of the following component options:

Chain components together with Qwiic/Stemma QT cables, as shown. You can connect them in any order.

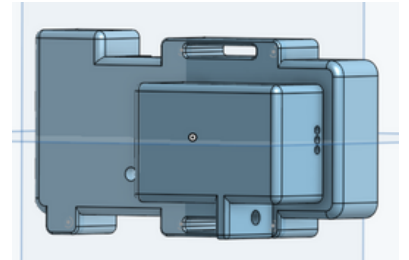**Paper Relay Link Options** - Keeps last display if power is cut
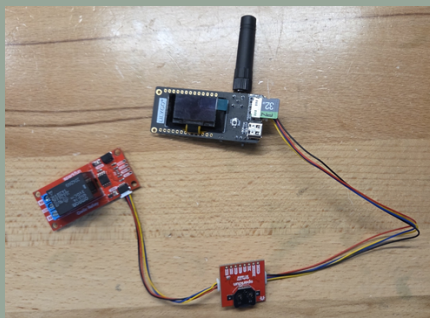
T3S3 Paper + SparkFun RV8807 + Relay
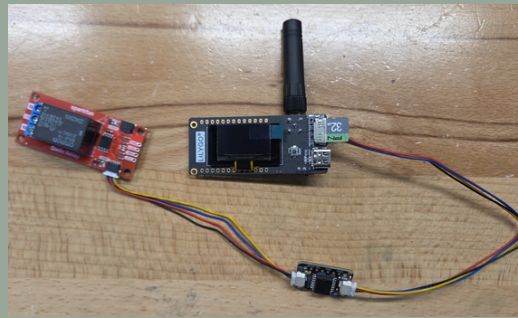
T3S3 Paper + Adafruit DS3231 + Relay

3D Printable Case Designs Coming Soon

OLED Relay Link Options - Visible in the dark

T3S3 + SparkFun RV8807 + Relay

T3S3 + Adafruit DS3231 + Relay

🎮 Send a Command (Experimental)

Send To | Command
Relay Act
node.1234
matt
Switch On
Switch Off

Remote commands must be enabled on receiving device. Different devices support different commands.

☐ Critical Devices

Remote Control Screen

2. Add Compatible SD Card

See firmware download page for list

PNY 32GB Elite microSDHC U1

onn. 32GB microSDHC U1 A1 V10

SanDisk Ultra 16GB microSDHC I

4. Onboard the Link

- *Power up the link*
- *On your Root communicator, select "Settings / Cluster / Onboard New Device"*
- *Wait a minute or two, it should automatically join*

3. Install Firmware

https://chatters.io/firmware