Wolfenstein IoT rebooting, V4 and V3x

Computer/J-Link and nRF Command line setup

Download and install the latest version of the NRFtools and J-Link drivers. NRF Command line tools are needed to send different commands to IoT through J-Link box.

J-Link Software and Documentation Pack:
https://www.segger.com/downloads/jlink#J-Link Software And Documentation Pack

nRF Command line tools:
https://www.nordicsemi.com/Software-and-tools/Development-Tools/nRF-Command-Line-Tools/Download

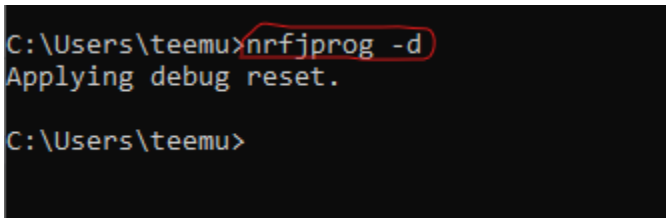
V4 Wolfenstein IoT rebooting:

Needed tools:

Segger J-Link BASE	NBM-IOT.0003
IOT Auxiliary Connector	NBM-AB.50.0008.19
20-pin to 8-pin adapter	NBM-IOT.0007

1. Make sure IoT is powered. If IoT has been unused connect the IoT to a scooter for a few minutes to make sure it has enough power. You can also perform rebooting while the IoT is connected to the scooter.
2. Connect J-link box to Iot with auxiliary cable. (IoT auxiliary port is a round 8-pin connector found behind the IoT that's not connected to anywhere and has a rubber cap on.)

3. Open command prompt on PC.
4. On command prompt write debugger reset command: **nrfjprog -d**
   For successful reboot you get “Applying debugger reset”



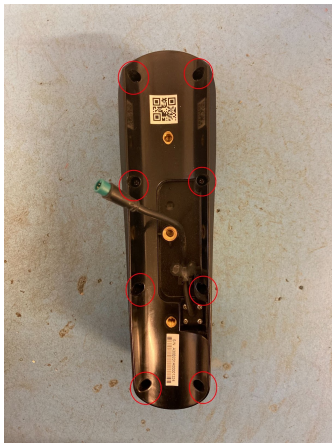
5. Unconnect auxiliary cable and test the IoT with Protest tool. Note that after reboot IoT should receive OTA update if IoT firmware is old. Scooter might give error 32 or error 56 for a moment after connecting the IoT.

V3x Wolfenstein IoT rebooting:

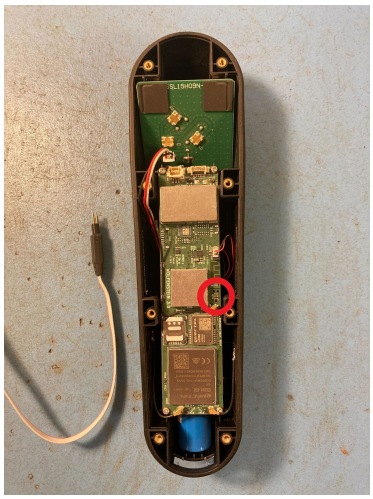
Needed tools:

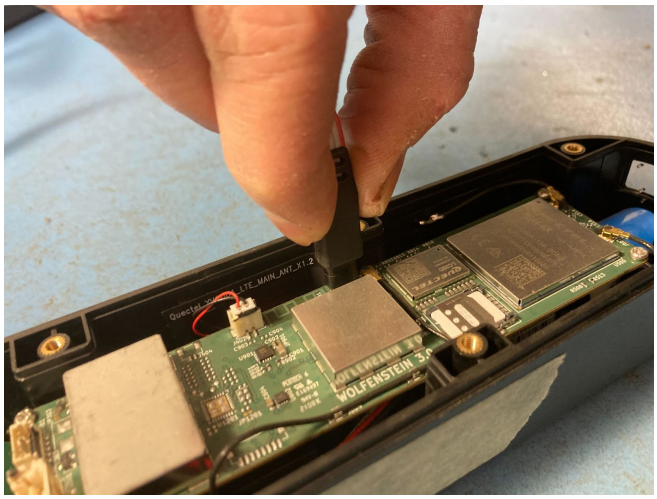
Segger J-Link BASE	NBM-IOT.0003
6-pin Cable with Ribbon connector	NBM-IOT.0008
20-pin to 6-pin adapter	NBM-IOT.0009
Retaining Clip	NBM-IOT.0010 (optional)
Phillips screwdriver	
(ESD protection recommended)	

1. Make sure IoT is powered. If IoT has been unused connect the IoT to a scooter for a few minutes to make sure it has enough power.
2. Undo 8 screws on the back of the IoT and carefully open the IoT. Be careful with cables connected to the board. If using a drill etc. use low torque to avoid mangling the screws.



3. Connect J-link box to Iot with the 6-pin ribbon cable to the 6 pin connector on the PCB. Press and hold the connector firmly on the board.





4. Open command prompt on PC
5. On command prompt write debugger reset command: **nrfjprog -d**
   For successful reboot you get “Applying debugger reset”

```
C:\Users\teemu>nrfjprog -d
Applying debug reset.

C:\Users\teemu>
```

6. Unconnect the cable and screw the back of the IoT back on. Check rubber sealing around the edge to make sure it’s in place to avoid any future water damage.
7. Test the IoT with Protest tool. Note that after reboot IoT should receive OTA update if IoT firmware is old. Scooter might give error 32 or error 56 for a moment after connecting the IoT.