# Updating ESP based ADL-1 OTP Printer Firmware

These instructions are for updating the ADL-1 firmware for ESP based systems only. For Atmel based systems see the instructions here :

https://partisanlabs.com/adl-1-otp-printer-firmware-downloads/

We are using Linux for all of this, if you are using Windows, Mac, IOS, or Android translate these for you platform – the steps are the same but the commands will be different.

Please read all these instructions before beginning.

**WARNING:**

Make sure you are using an external 12vdc power source.  If the batteries die during the update you may have to send the unit back to us for repair.

1. Download firmware package and Signature file from:

   https://partisanlabs.com/adl-1-otp-printer-firmware-downloads/

   following the instructions on the page. Verify signature of downloaded file before continuing.

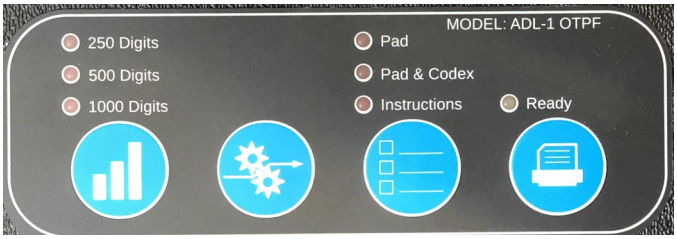
2. Open a terminal in your home directory.

3. Unzip the firmware binaries.

```
$ unzip ~/Download/<downloaded-file-name>
$ cd ADL-1_ESP_Version_3.2.1
```

4. Determine which firmware version, A or B, that your unit requires.

   If the LED's on the panel are red use the ‘A’ firmware file.




If they look like this, no visible red LED's, use the ‘B’ firmware file.




5. With the unit off, hold down the “Print” button and turn the unit on.




Release the print button when the WiFi information has been printed.



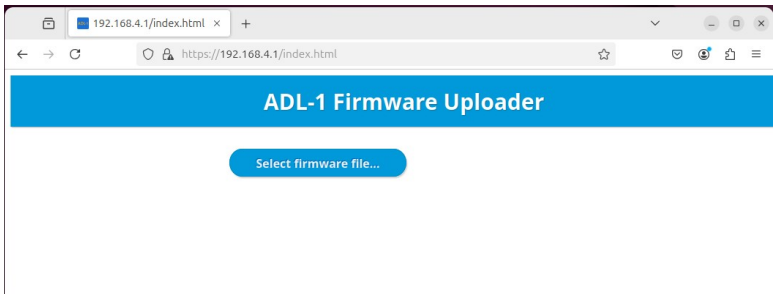

Tear off the printed WiFi connection information, leaving the printer powered on.

6. Use the printed WiFi information to connect you printer to your computer, or phone, tablet, etc… Once the “Print” LED goes solid green you are connected.

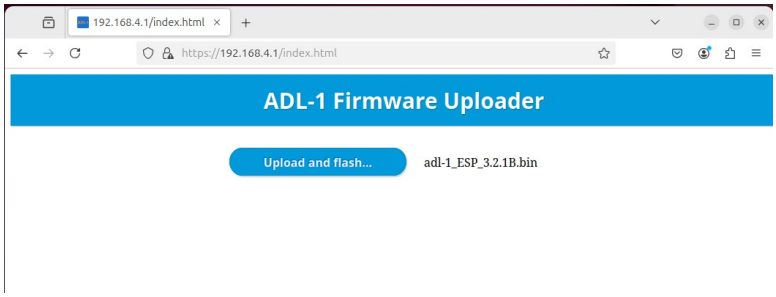



If your computer will not connect, try a different device. Power cycle the unit and repeat step 5, each time.  There is only provision for 1 connection so it needs to be reset between attempts.

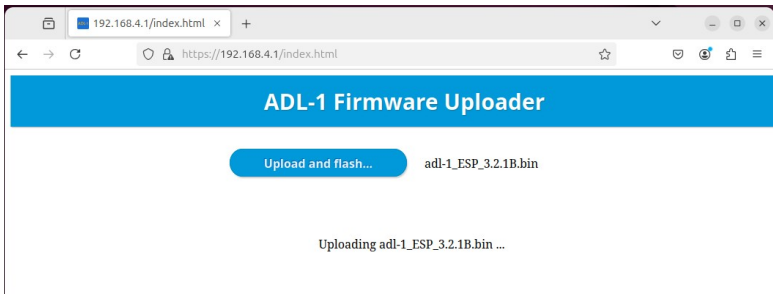
7. Using you browser, navigate to [https://192.168.4.1](https://192.168.4.1) and accept the security warning, The unit uses a self signed TLS certificate. You will be see this:



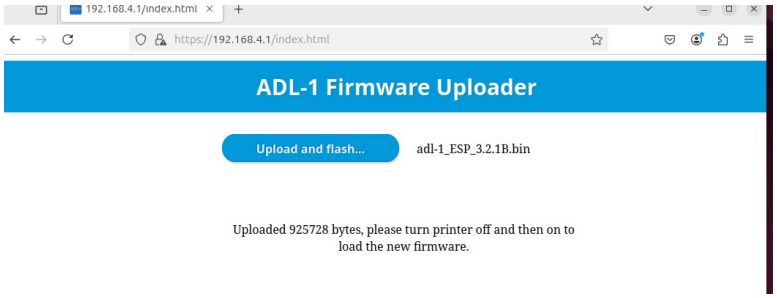

8. Press the “Select firmware file…” button and select the ‘A’ or ‘B’ firmware image as required. You will see this:



9. Press upload and flash, and the lights on the printer will flash in succession.  This will take a while.  The screen will look like this:




10. When it's finished, the LED's will stop flashing and you will see this:




11. Turn off the printer, hold down the "Generate" button and turn the printer on.  It will print the firmware version. Check it to make sure it matches what you just uploaded.

12. Delete the WiFi network from your computer. It is randomly generated and won't be back again.

If you have any problems with these instructions, please email us at support@partisanlabs.com