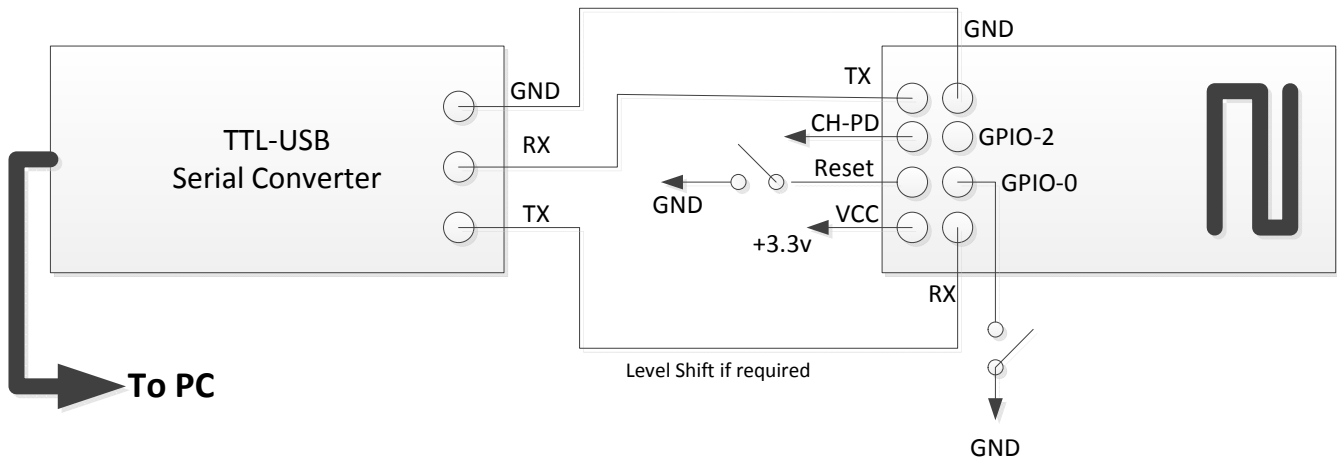


PC – ESP8266 Programming Connections



The ESP8266 pins are NOT +5v tolerant, however the Rx pins on some modules are. If unsure use level-shifting to ensure you do not damage the pin/chip.

To update new firmware (SDK/AT) go to the Espressif site and download the Flash Update Tool and the latest SDK.

The SDK I used is ESP8266_NONOS_SDK-Master

Run the Update Tool and it will be looking for four files, the first three contained within the SDK “bin” directory and fourth in the “bin/at” directory. Browse and set path for each file.

```
1 = esp_init_data_default_v08
```

2 = blank

```
3 = boot_v1.7
```

4 = user1.1024.new.2

Once you have navigated and set each file's path within the update tool, the window of each path should be green.

With the ESP powered:-

Press and hold Reset button

Press and hold GPIO-0 button

Wait a few seconds

Release Reset button

Release GPIO-0 button

Press “Start” on the Update Tool and the files should now download. Once complete reboot the ESP.