

TBS Cloud - unbrick the WiFi module

This manual does also apply to the TBS CROSSFIRE module

Revision 2021-10-14

When you updated your devices to 1.0 (FUSION), 3.24 (CROSSFIRE), or any FW (TRACER) and the WiFi does not appear, or it's no longer visible after an update, you can flash the ESP directly by these steps:

What you need:

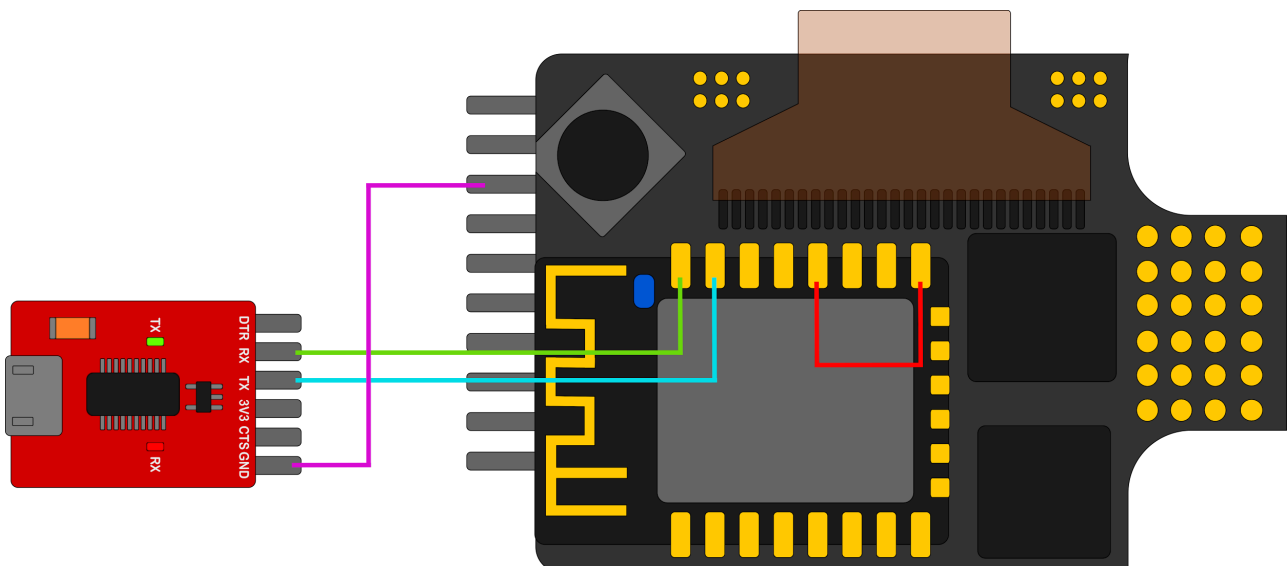
1. NodeMcu Flasher
<https://github.com/nodemcu/nodemcu-flasher>
2. WiFi Firmware from TBS
<https://www.team-blacksheep.com/tbs-cloud-activation.zip>
3. USB FTDI to TTL adapter like these:
<https://www.sparkfun.com/products/13746>

Removing the display

As a few of the connection points are located under the LCD, you need to remove them.

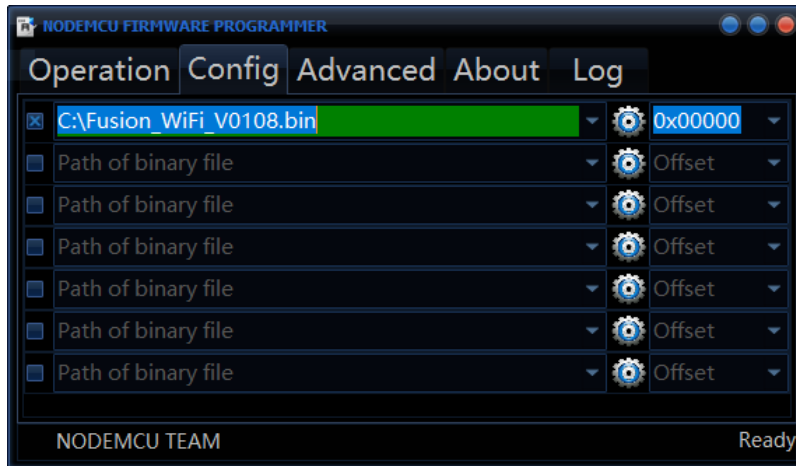
The easiest way to do this is by powering up the module (by USB or in your goggles) and letting it run for about a minute till everything is warmed up. Now you should be able to remove the display and gently flip it over

Wiring Diagram Fusion Module:



How to update the WiFi module:

1. Connect your FTDI Adapter to your computer
2. Open the NodeMCU flasher and select the WiFi Firmware for your device - you need to enter the path by hand:



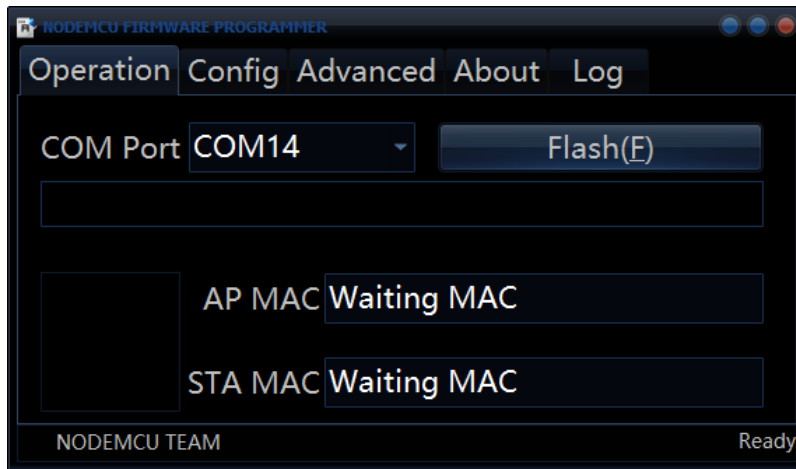
3. Set the Baud rate to 115200 baud in the *Advanced* tab



4. Select the correct Com-port and click on "flash"

FUSION only:

5. and go straight to step 5!



6. Hold the joystick to the **left** while powering the Fusion module by **USB**
7. The display should show *"WiFi unbrick - please contact TBS for more information..."*
8. When the WiFi module is flashed, remove the cables and reboot the Fusion
9. Done