Using the Serial Cable

Step 1:

Turn the router over and remove
the top two rubber feet.

Step 2:

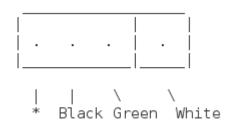Split the case and remove the top piece using a flat head screwdriver or similar instrument.

The reset button may fall out. Keep a close eye on it so you don't lose it.
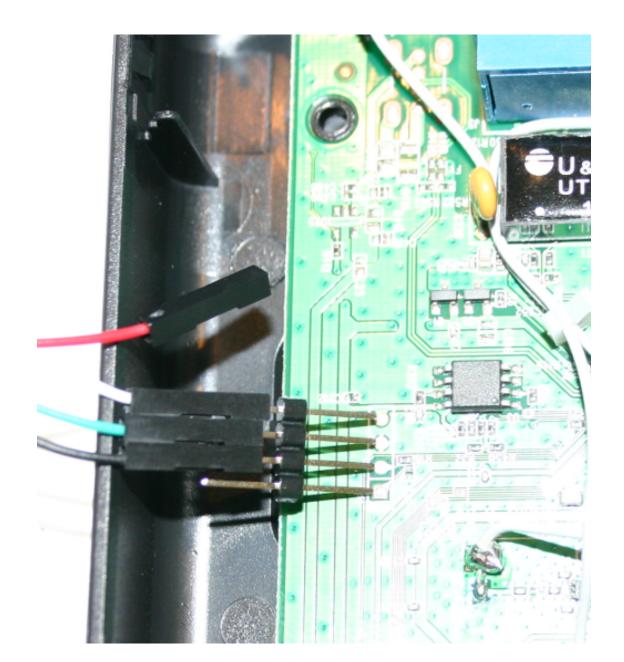
Step 3:

Connect the serial header to the serial cable as follows:

```
 _____
|          |    |
|  .   .   .|  .|
|_____|____|
 |  |   \     \
 *  Black Green  White

 -   -
```

*WARNING!: DO NOT CONNECT THE
 RED WIRE TO ANYTHING! The USB
 serial cable Vcc (red wire)
 is 5V. It will fry your router!

Note: You may need to use solder.

Step 4:

Start any application to communicate with it, like GNU screen.

Configure adapter to use the following settings:

> Baud rate: 115200
> Data bits: 8
> Parity control: none
> Stop bits: 1
> Handshaking: none

Example:

> screen /dev/ttyUSB0 115200 # Make sure your user is part of the dialout group.

Power on the router, wait for a line like one of the following and interrupt the process of loading a kernel:

Autobooting in 1 seconds (for most TP-Link routers, you should enter tpl at this point)

> Hit ESC key to stop autoboot: 1 (for 8devices Carambola 2, use ESC key)
> Hit any key to stop autoboot: 1 (for D-Link DIR-505, use any key)

Step 5:

Review the full documentation in u-boot_reflash on the root of the source code CD included with the router. There is additional documentation on flashing the router here.