

Bluetooth Dongle Assembly

Last updated 22nd March 2014

Construction of the bluetooth dongle is straight forward.

First note there are two types of dongles used and the positions of the connection differ. The important thing is too match the wire colour to the label. The two different types are shown below.

First start by removing about 3cm of the outer cover. Only 4 of the 8 wires are used. Identify those that are not used and cut them short to different lengths to prevent them shorting together.

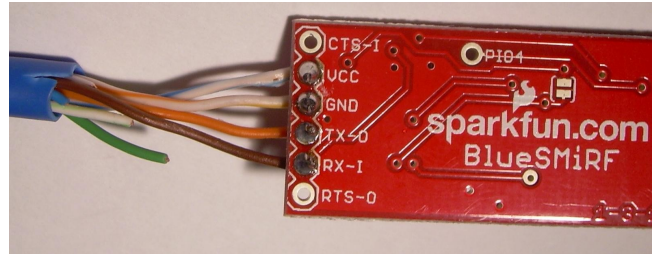


Illustration 1: Bluetooth dongle type 1

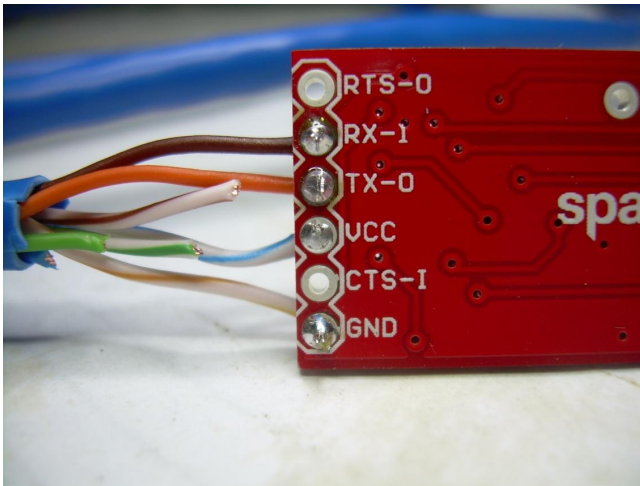


Illustration 2: Bluetooth dongle type 2

Now solder the remaining 4 wires to the dongle. The brown wire to RX, the orange wire to TX, the blue/white to VCC and the orange/white to GND.

Make sure there are no little copper stands that have missed the hole.

To finish off I use hot glue to secure the loose wires and smooth the rough edges. Then I cover the lot in clear heat shrink. Be careful not to overdo the heat as there are sensitive electronics under there.

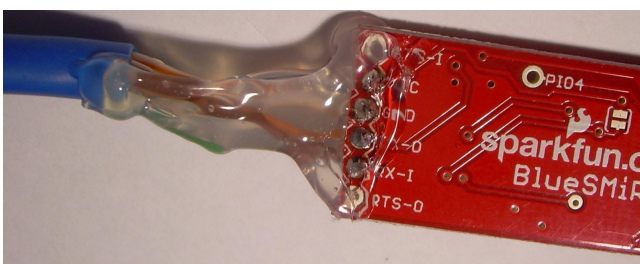


Illustration 3: Hot glue applied



Illustration 4: Heatshrink