Vodafone USB Modem K3770

USB Stick LED light

The LED light on your USB Stick shows which kind of mobile network has been found, and whether the USB Stick is connected to that network.

☐ **Green blinking**
A GPRS network has been found – you could connect.
A double flashing green LED means the device is searching for the network and connection is not possible. Check if your SIM is inserted correctly.

■ **Green solid**
Connected via GPRS

☐ **Blue blinking**
A 3G network has been found – you could connect

■ **Blue solid**
Connected via 3G

■ **Light blue solid**
Connected via mobile broadband.

Code → Fetching a page

```c
#include "mbed.h"
#include "VodafoneUSBModem.h"
#include "HTTPClient.h"

DigitalOut myled(LED1);
Serial pc(USBTX, USBRX);


int main()
{

    VodafoneUSBModem modem;
    HTTPClient http;
    char str[512];

    int ret = modem.connect("mobile.o2.co.uk"); //pp.vodafone.co.uk");
    if(ret)
    {
      pc.printf("Could not connect\n");
      return;
    }

    //GET data
    pc.printf("Trying to fetch page...\r\n");
    ret = http.get("http://mbed.org/media/uploads/donatien/hello.txt", str, 128);
    if (!ret)
    {
      pc.printf("Page fetched successfully - read %d characters \r\n", strlen(str));
      pc.printf("Result: %s\r\n", str);
    }
    else
    {
      pc.printf("Error - ret = %d - HTTP return code = %d \r\n", ret,
http.getHTTPResponseCode());
    }

    modem.disconnect();
}
```

This needs to be changed to the sim card apn

Unlocking the Vodafone USB Modem K3770

This site has the details: http://modemunlock4u.blogspot.co.uk/2013/01/unlock-vodafone-huawei-modem-k3770.html

Firstly, find the IMEI number of your device and note it down. It will be required later.

NB: The IMEI number is located near to where the sim card should go for the K3770.

In case it has moved or cannot be found. Follow these instructions (to be done on a Windows PC):

1. Install the original Vodafone software that came with the USB Modem.
2. Download the latest Huawei Dashboard from http://adf.ly/9jI7d or http://adf.ly/9jI9j. Alternatively, it can be found \Dropbox\e.quinox Data Logger\Datalogging 2012-2013\USB MODEM\UnlockVodafone.zip\ UTPS23.001.03.15.999.exe
3. Install the Dashboard (UTPS23.001.03.15.999.exe)
4. This will change the dashboard of the device. Note: changing the dashboard automatically terminates your warranty with the operator.
5. Wait for the drivers to install and Run the new software (It will be called Mobile Broadband and will have a greed icon on the desktop if it is there)
6. Download universal master code from here http://adf.ly/9jI27 or http://adf.ly/9jI43 and run. Alternatively, it can be found \Dropbox\e.quinox Data Logger\Datalogging 2012-2013\USB MODEM\UnlockVodafone.zip\Universal_MasterCode.exe
7. Run the program Universal_MasterCode.exe.
8. Switch to the Huawei Tab and type in your IMEI number and click Calculate.
9. Copy the Unlock Code.
10. Insert a new Sim card into the modem and open the dashboard i.e. Mobile Broadband which will have a greed icon on the desktop if it is there.
11. It should ask you for the unlock code. Enter the unlock code and the device will be unlocked.