

## 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

```
#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.

To unlock the modem, follow these instructions (to be done on a Windows PC):

1. Plug the USB Modem into your PC and 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 green 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 green 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.



