

This document describes the steps to take to attach the MODEM/Router ZTE MF823 (Vodafone ZTE K5008-Z) to a PocketPORT 2 and a Lorank8(+).

1. The MODEM/Router settings.

Unpack the MODEM and place the SIM card.

Plug in the MODEM into a free USB port of your PC and wait for the pop-up to install the software on your PC.

Install the software (setup_vmb_lite.exe) on your PC. This can take a few minutes.

Disable the software; press Ctrl,Alt,Delete and select Task Manager, goto Applications and disable the Vodafone Mobile Broadband application (right click and select disable).

Open an Internet browser and goto <http://192.168.9.1/>

Select TAB QuickStart and select Settings.

Goto SIM PIN and disable the PIN number. (The default PIN is 0000). Press 'Save'.

If successful, you will see the message:

You have successfully disabled your SIM PIN

The update has been successful.

Goto Connection and select/input the following parameters:

- Select under Account Type 'Custom'.
- Select under IP Type 'IPv4 + IPv6'.
- APN: office.vodafone.com (use live.vodafone.com for private users)
- IPv4 / IPv6 number: *99#
- Security: PAP
- IPv4/IPv6 Username: vodafone (lower case only)
- IPv4/IPv6 Password: vodafone (lower case only)
- Connection mode: Automatic
- Press 'Save'

A pop-up will occur:

Mobile broadband disconnection required

This change will cause the mobile broadband connection to be disconnected. Continue anyway?

Press OK.

If successful you will see the message:

Your changes have been made

The update has been successful.

Goto Network and select the network the MODEM should use. Usual settings: Connection Type: 4G only and Preferred Network: Automatically.

Press 'Save'.

A pop-up can occur:

Mobile broadband disconnection required

This change will cause the mobile broadband connection to be disconnected. Continue anyway?

Press OK.

If successful you will see the message:

Your changes have been made

The update has been successful.

Check if the MODEM connects with the Vodafone network. The LED should blink purple and after a few seconds light purple continuously.

Disconnect the MODEM and close the browser.

2. PocketPORT 2 settings

Unbox the PP2 and power the unit.

Press and hold the Reset button for 10 seconds until the LED flashes red and blue alternatively. This will default the settings. The PP2 resets after a few seconds and flashes slowly red.

Connect the Ethernet cable between the PP2 and your laptop.

Open an Internet browser and enter <http://192.168.1.1:8080/>

This should enable the pop-up to enter the username (admin) and password (1234). If this is not working, then press and hold the Reset button on the PP2 for 2 seconds until the LED is continuous red.

Open an Internet browser and enter <http://192.168.1.1:8080/>

In the setup of the PP2 change the following settings:

- Connection Mode: NAT Router Mode
- Attempt Autoconfig: No
- USB Modem Type: RNDIS ETHERNET

Scroll down and press 'Generate Configuration'.

Press 'Write Configuration to Persistent Memory'.

The PP2 will now reset to the new settings. The PP2 is now configured.

Power down the PP2.

3. Configuring the system

Configuring the complete system is now very easy. Every part, both MODEM and PP2 are now configured right.

For the duo to work right, a third component is needed; a small USB hub.

The last thing to do is to add all the components and power up the units.

- Place the MODEM into the USB hub.
- Place the USB hub into the PP2.
- Connect the PP2 to the Lorank8.
- Power both the Lorank8 and the PP2 by powering the power supply(s).

The system should now boot and connection can be established.

Test the system f.i. with a LoRaWAN keyfob.

~~ END ~~