

## Upgrading the TeleWell 5G module via a TeleWell router

Modems must have the latest software version from data 08.03.2021

The update is done locally via a LAN connection  
USB 2.0 memory stick with FAT 32 structure required

### a) The latest software version of the TW-EAV510AC-B is TW-EAV510AC-B\_2.53.d64j3.afw

This software allows you to upgrade an external 5G USB modem on the USB 3.0 port router Via USB 2.0 port

#### Software download link

[https://telewell.fi/files/TW-EAV510AC-B\\_2.53.d64j3.afw.zip](https://telewell.fi/files/TW-EAV510AC-B_2.53.d64j3.afw.zip) (The package must be unpacked before performing a software update)

### b) The latest software version of the TW-EAV510AC-LTE + 5G is TW-EAV510AC-LTE6\_cat12\_cat20\_5G\_2.53.d20j3

#### Software download link

[https://telewell.fi/files/TW-EAV510AC-LTE6\\_cat12\\_cat20\\_5G\\_2.53.d20j3.afw.zip](https://telewell.fi/files/TW-EAV510AC-LTE6_cat12_cat20_5G_2.53.d20j3.afw.zip) (The package must be unpacked before performing a software update)

c) In addition, a USB 2.0 memory stick with 1 GB of free space is required, the format will be FAT32. An update program for the 5G module can be downloaded from the link

[https://telewell.fi/LE13B01V04SIM8202M44A-M2\\_P1-04.zip](https://telewell.fi/LE13B01V04SIM8202M44A-M2_P1-04.zip)

**This file must not be decompressed but must copied to USB disk as a ZIP package.  
FAT32 stick (1GB FAT 32)**

d) Connect this stick to the router's USB 2.0 port after its software level has been updated xxx svn 20\_1 or higher

e) **The ACL function is enabled from the device interface**

<http://192.168.0.254> and

**TELNET protocol support is set to allow in the direction of the intranet**

(Telnet -> Use Tera-Term terminal program or putty program with mouse the right key pastes the copied command into the terminal program)

The update command is issued with the **TELNET program "Paste with Command - Ctrl-v"**

### **Router setup before upgrading**

**-Factory settings for latest level of router software**

**Put the selections below, ACL permissions on + save**

ACL table select the **LAN line -> Set on the TELNET** → Acknowledge the **other** option

**f) Logging in to Telnet**

Call the modem management IP address: 192.168.0.254

Use the management user name ( **management** ) and password ( **Wi-Fi key** ) marked on the device to the bottom label

When the menu opens, press " **0** " and Enter

There will be a # sign

**Enter command (Use copy / paste function)**

```
qdl -f /mnt/sda1/LE13B01V03SIM8202M44A-M2.zip&
```

and **press Enter** , → **The update starts ..... and takes about 7 minutes**

The device reads the ZIP file from USB on the memory stick and creates an image of the new 5G module.

**Wait for the success message "upgrade module successfully" and**

**wait the module version info to be into telnet display**

**After that turn off 10 sec and power on again**

**The TW-EAV510AC-b and TW-EAV510AC\_LTE cat6 / 12/20 and 5G module have now been updated to the latest level**

**When log in choose – Kieli – Select “English” -apply**

**Substantial changes**

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- a) Improved retention on 5G networks
- b) The speed of 5G connections has been increased
- c) LTE / 5G bridge function improved
- d) **Make all your own settings before turning on the bridge**

**If you are using a firewall device, turn on LTE bridging only when the LTE / 5G Connection is working to your own computer for programming**

**Select LTE Bridge → Save**

Disconnect the LAN cable from the machine and connect it to the WAN port of the firewall