

Upgrading the TeleWell 5G module via a TeleWell router

Modems must have the latest software version 22.01.2021 xxxsvn19 as a basis

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.d63.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://www.telewell.fi/TW-EAV510AC-B_2.53.d63.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_12_5G_2.53.d19.afw

Software download link

https://www.telewell.fi/TW-EAV510AC-LTE6_2.53.d19.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://www.telewell.fi/LE12B01V13SIM8202G-M2.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/LE12B01V13SIM8202G-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"

Turn off the entire device for 10 seconds

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

- 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