



TREND NETWORKS

SignalTEK 10G

Field Software Upgrade
Procedure

Depend On Us

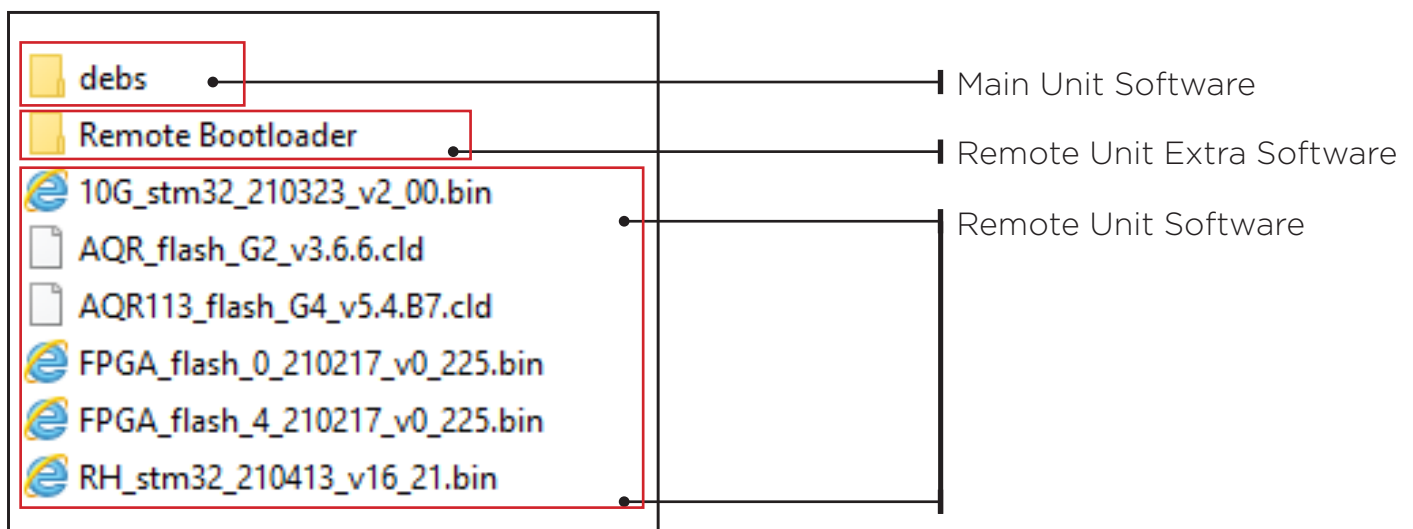
WARNING:

- This update is only applicable if **v1.0.0** or later software is installed in the main unit. Any main unit with software earlier than **v1.0.0** installed, please contact technical support.
- This update must be performed on both the main and remote units at the same time.

1. Download and unzip the software:

Download the software from www.trend-networks.com/support/downloads/ to your PC. Unzip the file “SignalTEK 10G Software *.*.zip” save to the ROOT of USB flash drive (4 to 32GB on Windows PC with Fat32 format) you must have at least 3GB free space available.

The contents of the flash drive should be as follows (specific version number and items may vary) after the file has been unzipped. Both the main unit software and the remote unit software can be saved on the same USB flash drive. The Remote Bootloader directory may not appear all the time.



2. Update Main Unit:

WARNING:

Unit may perform firmware installation after software update; please do not remove DC power while this is happening. Wait for all installation to complete before using the device.

- Power off the unit & disconnect any test cables from the unit.
- Connect the unit to DC power adapter.
- Power on the main unit and wait for the home page to appear.
- Connect USB flash drive to the USB type A port of the unit.
- Click **Settings/System/Software Update**.
- The tester will perform the version comparison between the existing one and the version on the USB automatically. If the version of the package on the USB is higher, then the tester will prompt to do the upgrade; otherwise, the main unit will restart automatically.
- Now the unit upgrade is complete.
- To check the version number, click **Settings/About/Software Versions/Main Unit**

3. Update Remote Unit:

- Power the remote unit OFF & disconnect any cables from the unit.
- Connect DC power and the USB flash drive to the remote unit.
- Wait until the power LED (above the power key) flashes green.



Note:

Make sure the green power LED is flashing. If the green power LED is not flashing, the unit will not go into upgrade mode.

- Press and hold the Autotest yellow key then power on the remote unit. After a few seconds Layer 2 & Layer 3 LEDs will flash. Release Autotest & power key then wait for the 10Gb/s, 5Gb/s, 2.5Gb/s, 1Gb/s rate LEDs to flash in order.
- Wait until all LEDs are no longer lit except the Power LED. This signifies that the update has completed and the remote unit is ready to use. This process may take several minutes.


Note:

If **Layer 2** and **Layer 3** LED's continue flashing for a long time, this will signify a fault in the USB flash drive. Changing to a different USB flash drive is recommended.

- To check the remote unit software version, connect the remote unit to the main unit with Ethernet ports and power on both units.
- Wait for the blue pair LEDs to light up on the main and remote units with one beep signifying that the pairing has been successful. Alternatively, pair manually by clicking  **Settings/Pairing/Pair**
- To confirm the current software version installed on the remote unit, click  **Settings/About/Software Versions/Remote Unit**
- The remote unit upgrade is now complete.

4. Remote Unit Bootloader Code Upgrade:

Note:

This bootloader code upgrade is an extra firmware upgrade. It only works with Remote Unit software ≥ 16.17 . Hence, confirm desired software version installed on the remote unit by pairing it with the main unit and clicking  **Settings/About/Software Versions/Remote Unit** on the main unit. It is not always required unless there is a Bootloader Code file provided in the upgrade package.

- Delete all the Remote Unit Software files from the USB flash drive in your PC.
- Copy the remote unit bootloader code file ``RH_stm32_bl_*.bin`` from the "Remote bootloader" directory onto the root directory of the USB flash drive.
- Connect DC power and the USB flash drive to the remote unit.

Warning!

Do not copy or retain the previous remote unit's main code file ``RH_stm32_*.bin`` in the same root directory on the USB flash drive.

- Press and hold the ``Fn`` button on the remote unit and press the power key.
- The ``Layer 3`` and "100Mb/s" LEDs will flash. Release both the Fn and power key.
- Wait until the "100Mb/s" LED lights up in green continuously.
- The bootloader code upgrade is now complete.

Note:

The process of the upgrade will take approximately 10 seconds.

5. Final checking:

- Connect the remote and main units via Ethernet or Optical link directly
- Pair the units via  **Settings/Pairing**
- To confirm the current software version installed on the remote unit, click  **Settings/About/Software Versions/Remote (or Main) Unit**
- Disconnect all cables from the main unit
- Setup wiremap reference via  **Settings/Set Reference**
- Both the main and remote units are now ready to use.