

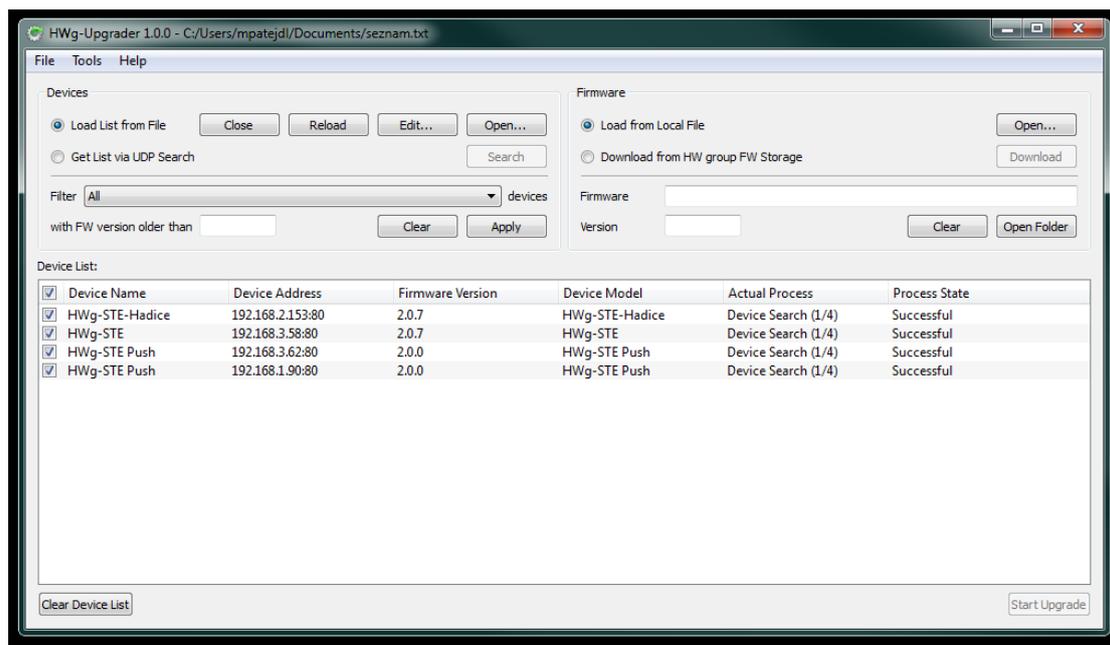
HWg-Upgrader

Application HWg-Upgrader allows mass firmware update/upgrade and configuration of HWg devices via Ethernet.

HWg-Upgrader

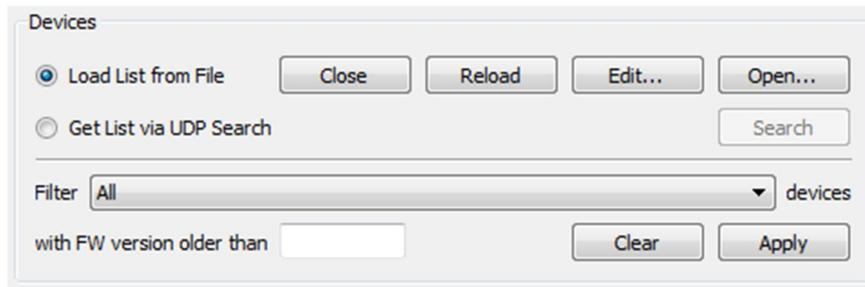
- Allows mass HWg devices firmware update/upgrade via Ethernet.
- Devices for upgrade can be selected:
 - o Using UDP Setup – searches for devices in local network
 - o Based on a list of IP addresses (txt file)
- Can filter devices from the list based on device type or based on their firmware version.
- Can install downloaded firmware file or use a central HW group register.
- configuration XML can be uploaded

HWg-Upgrader is then a suitable tool for large projects and corporate systems administration.



Devices

Devices for FW upgrade can be selected by uploading a text list, eventually by using the UDP search.



In both cases Upgrader displays a list of available devices, where each item can be selected/deselected. New firmware can be then loaded to all units or only to selected devices.

In order to install the firmware, it is first necessary to filter out only one type of devices. Double-clicking on one of the devices in the list can also filter this one device type.

If you choose a XML file instead of HWg firmware, HWg-Upgrader can be used for mass configuration instead of FW update. All the other steps remains the same.

List in a TXT file

The list can be uploaded also from a txt file, where each device is listed in the format:

<http://login:password@hostname:port>

An example of the txt list of IP addresses:

```
# STE List 9/2013

#STE server room
http://login:1234@192.168.1.132
http://login:1234@192.168.1.98

#STE office
@192.168.1.90
```

- Every line represents a single device
- Using "http://" is not required
- Port number is not required
- Login and password is not required, in case it is not set in the device
- Empty lines are skipped
- Lines starting with "#" are recognised as a comment

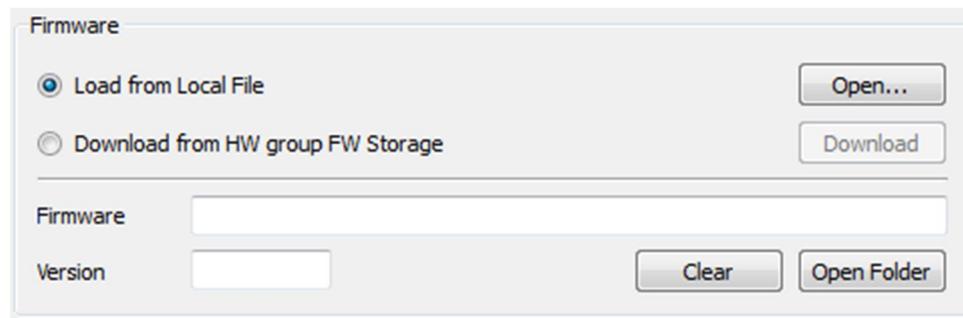
After uploading the list using the *Open* button and selecting the list from the folder, the file can be deleted from the application (*Close*), actualise the changes done in the source list (*Reload*) or edit directly in HWg-Upgrader (*Edit...*).

UDP Search

This function can search for every device connected to the local network.

Firmware

In this part you can select the firmware version you want to install to the devices.



The screenshot shows a dialog box titled "Firmware". It contains two radio button options: "Load from Local File" (which is selected) and "Download from HW group FW Storage". To the right of the first option is an "Open..." button, and to the right of the second is a "Download" button. Below these options are two text input fields: "Firmware" and "Version". To the right of the "Version" field are two buttons: "Clear" and "Open Folder".

Load from local file

FW file can be loaded directly from a folder in your computer.

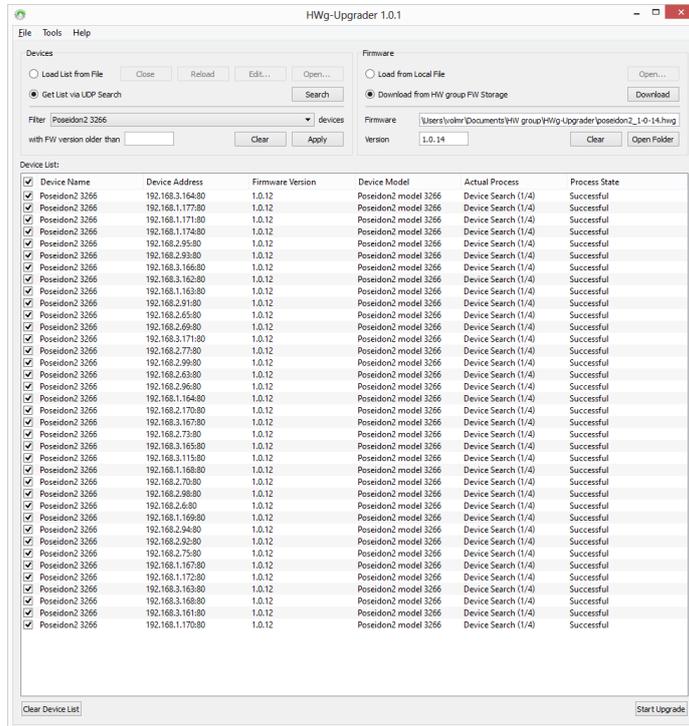
Download from HW group FW Storage

The second option is downloading the FW from a HW group database. In order to use this option, it is necessary to filter out only one type of devices first and then press *Download*. HWg-Upgrader will automatically choose the latest available version and download it into the application's folder. This version is also automatically chosen for installation into the devices.

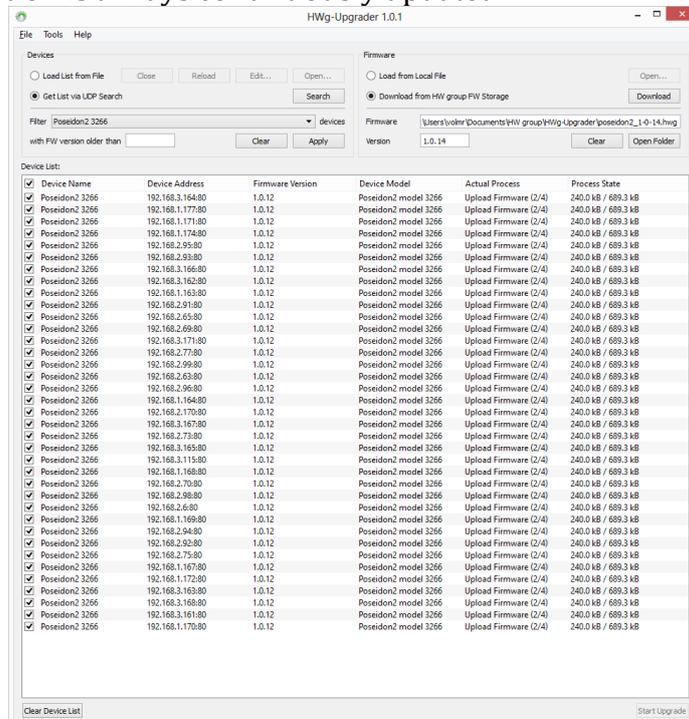
For processing the upgrade then press ***Start Upgrade*** button in the right bottom corner of the application window.

Practical use

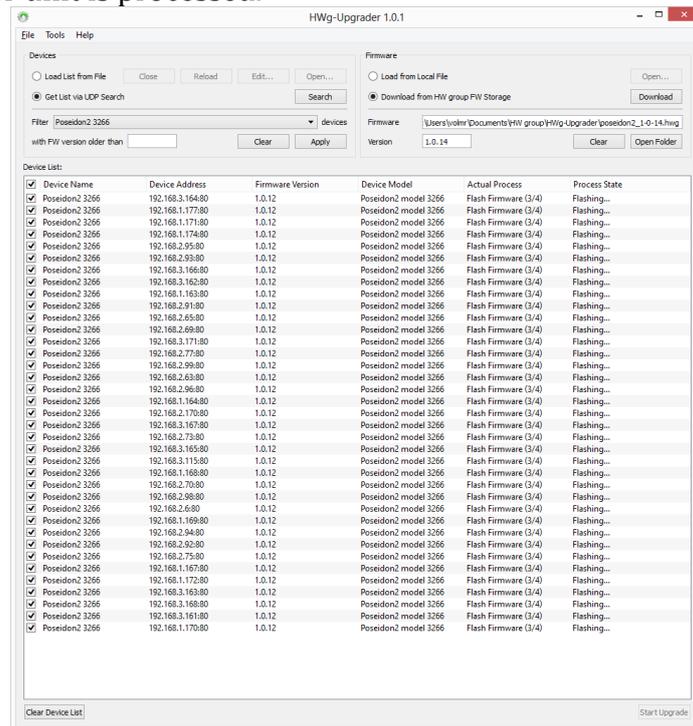
Start the HWg-Upgrader, search for devices in the local network and apply the device type filter. At the same time, download the FW version for installation into the devices.



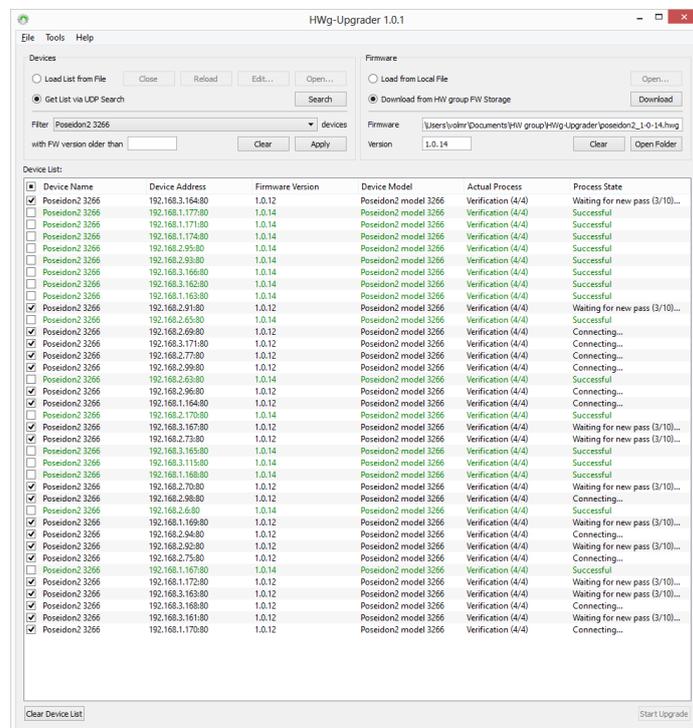
By clicking the *Start Upgrade* button, mass firmware upload will be started. The status of the action is always continuously updated.



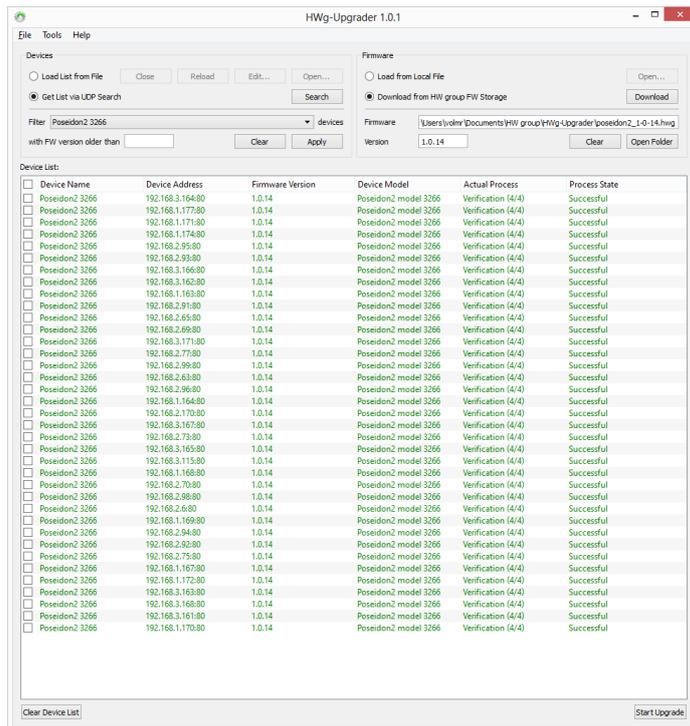
After uploading the firmware, devices are restarted and then the main FW upgrade in ever unit is processed.



Different devices react differently fast. HWg-Upgrader still tries to keep the contact with every device separately. Successful upgrade is marked green and the device is deselected from the list of units for upgrade.



Final state of a successful upgrade:



In case of an error during the update the device is marked red and it is kept in the list of devices for repeated upgrade.

