

## Firmware Download Tool for IP System Products V2

With this Firmware Download Tool KNXnet/IP System Products can be updated. The download procedure happens via the Ethernet interface.



### NOTE

**DURING DOWNLOAD OF THE FIRMWARE INTO THE KNXNET/IP SYSTEM PRODUCT, THE DEVICE IS INOPERABLE. BEFORE DOWNLOAD IT MUST BE ENSURED THAT DEVICE DEPENDING FUNCTIONS ARE NOT NEEDED FOR SURE.**

In case of interruption or failure during download procedure, the download have to be retried, otherwise the product s inoperable. If the download doesn't work please contact Technical Support (see Chap. 5.).

## 1. Application

Firmware Download Tool for IP System Products („SOFTWARE“) is used for to update a new firmware into the following KNXnet/IP System Products („DEVICES“):  
5WG1 146-1AB02 IP-Router N 146/02  
5WG1 148-1AB22 IP-Interface N 148/22

## 2. Installation

### 2.1. WinPcap

The SOFTWARE requires WinPcap version 4.1.x, which can be downloaded from <http://www.winpcap.org>.

Please follow the installation instructions of winpcap.

NOTE:

WinPcap 4.1.x can be installed with Windows 8 only in "Windows 7 compatibility mode".

Dial-Up- and VPN-connections will not be supported.

Requirements: WinXP 32Bit, Vista 32Bit, Win7 64Bit, Win8 64Bit, Win10 64Bit

### 2.2. Software

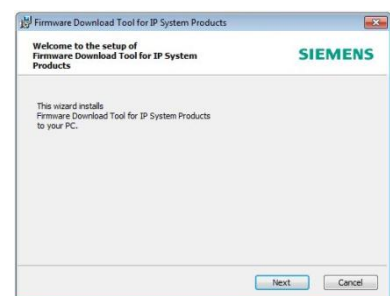
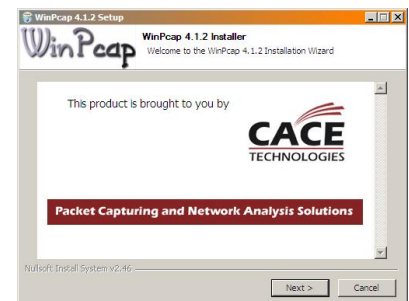
Run the SOFTWARE setup und follow the instructions. Please scroll down the complete licence text and agree.

The installation routine will check if WinPcap version 4.1.x is installed. (see 2.1)

After the successful installation run the Software via Start menu:

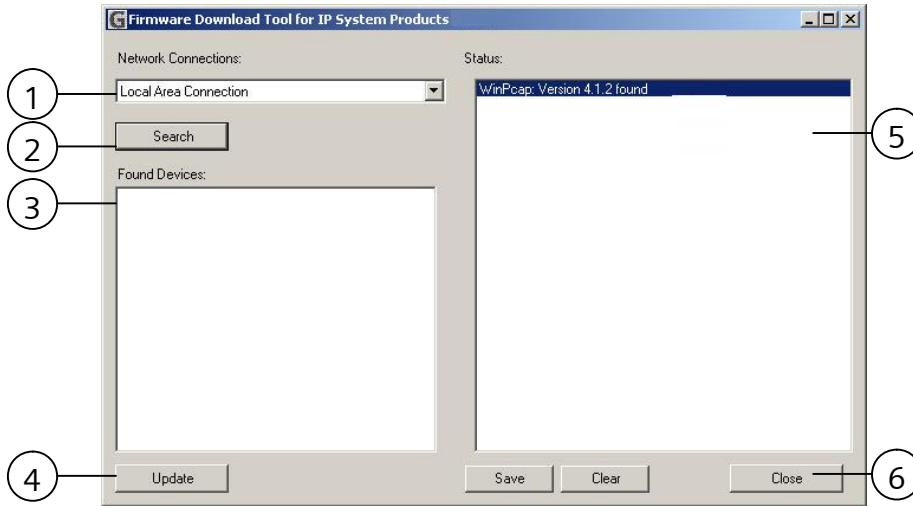
**START → Programs → Siemens →  
Firmware Download Tool for IP System Products**

Additional you find a folder with this document with additional notes for the SOFTWARE.



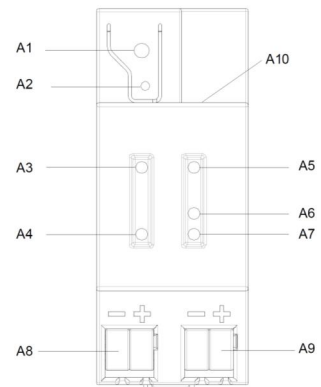
**Firmware Download Tool for IP System Products V2**

**3. Usage**



The download happens directly via the Ethernet interface of the DEVICES:

1. Disconnect the power supply (A9)
2. Disconnect the network connection (A10)
3. Check network settings of your PC: set to manual IP address
4. Connect PC direct with device (if needed crossover wire)
5. Set device in download mode
  - a. Push and hold programming button (A2)
  - b. Connect power supply (A9)
  - c. Continue to hold A2 until Prog-LED (A1) is continues on
  - d. Release button (A2) → LED (A1) is flashing fast (firmware download mode active)
6. Run SOFTWARE
7. Select network interface (e.g. LAN) ①
8. Click „Search“ ②
9. Device in „firmware download mode“ will be displayed in ③.
10. Select device for update (identification via MAC address)
11. Push „Update“ ④
12. Check Log file ⑤
13. Close software ⑥
14. Download the application with ETS including the physical address.



**4. Notes**

The individual address and the application must be downloaded after a successful firmware download via ETS.  
 Duration for Update of one device: ~ 3 seconds

**5. Technical Support:**

For any technical questions, please consult:

Technical Support  
 Tel. +49 (911) 895 - 7222  
 Fax +49 (911) 895 - 7223  
 Email support.automation@siemens.com  
 http://support.automation.siemens.com