



Weighing technology

FAQs SIWAREX WP2xx

How do I update the firmware of a SIWAREX WP2xx module?

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How do I update the firmware of a SIWAREX WP231 or SIWAREX WP241 module?

The firmware-update for both modules, SIWAREX WP231 and SIWAREX WP241, works in the same way. You need the software SIWATOOL V7. This software is part of the package 7MH4960-2AK01 and 7MH4960-4AK01.

In addition please download the latest firmware online from the Siemens Industry Online Support. You can select the respective SIWAREX module and entry type "Download".

http://support.automation.siemens.com/WW/view/en/36541530/133100

The please follow the next steps:

- 1. If your WP2xx is connected to a SIMATIC S7-1200 CPU, set the CPU into "STOP".
- 2. Connect your PC with SIWATOOL V7 and the WP231 module with an Ethernet cable and click on the "ONLINE" button.



- Click on "Communication" → "Receive all data" in order to create a full backup of your module.
- Create a backup file and save it on your hard disc / storage device via "File" → "Save as..."
- 5. Click on the button "File for download"
- 6. Select the downloaded firmware file and click on "Start transfer".
- 7. After downloading the file, you have to reboot the WP2xx by switching off-on the 24V supply voltage.
- If the module stays in "Error" state with the message "Checksum error data" after reboot you have to download your backup-file from point 4 via "Communication" → "Send all data" (Service Mode needs to be switched on!).
 Alternatively you can use the command "Standard Parameter set (12)" in order to start up the WP2xx module again.

NOTE:

The Ethernet/RS485 settings of a WP2xx module don't change by updating the firmware. As well after executing "Standard Parameter set (12)" these settings won't change. Only "Load factory settings (11)" will reset all settings of the module to factory default including all Ethernet / RS485 settings.

If the firmware download is canceled with "Download Error", please check the following Windows 7 settings:

1.) Start \rightarrow Control Panel \rightarrow Programs and Features \rightarrow

Turn Windows features on or off

turn a feature on, select its check box. To turn a feature off, of eck box. A filled box means that only part of the feature is tur Simple Network Management Protocol (SNMP) Simple TCPIP services (i.e. echo, daytime etc) Subsystem for UNIX-based Applications	lear its ned on.
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Subsystem for UNIX-based Applications	
Tablet PC Components	
🔲 🍌 Telnet Client	
Telnet Server	_
TFTP Client	
Windows Gadget Platform	=
Windows Process Activation Service	
Windows Search	
Windows TIFF IFilter	
VIII XPS Services	-

The TFTP Client must be activated

2.) Start → Control Panel → Windows Firewall →

Allow a program or feature through Windows Firewall

Allow programs to communicate throug To add, change, or remove allowed programs and po	h Windo orts, click C	ws Firewall hange settings.		
What are the risks of allowing a program to commun	nicate?		🕒 🌍 Ch	a <u>ng</u> e settings
For your security, some settings are managed b	y your syste	em administrator.		
Allowed programs and features:				
Name	Domain	Home/Work (Pri	Public	Group Po 🔦
🗹 Anwndung für Trivial File Transfer-Protokoll				No 💷

The Trivial File Transfer-Protocol must be able to communicate through the firewall. (For adding it can be found in "C:\Windows\System32\TFTP.exe")

3.) Windows7 "Base Filtering Engine":

Therefore please enter "Services" into the Windows search box and click on it:

Programs (3)		
♀ See more results		
Services	× Sh	ut down 🕨
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Please select the entry "Base Filtering Engine" and click on the left side on "Stop the service".





If this error message appears, the "Base Filtering Engine" must be stopped by "Stop the service" a second time!

Services			-			
File Action View	Help					
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Services (Local)	Services (Local)					
	Base Filtering Engine	Name	Description	Status	Startup Type	Log On As
	Stop the service Restart the service	 ActiveX Installer (AxInstSV) Adaptive Brightness Adobe Acrobat Update Service Application Experience 	Provides User A Monitors ambi Adobe Acrobat Processes appli	Started Started	Automatic Manual Automatic Manual	Local Syste Local Service Local Syste Local Syste
	Description: The Base Filtering Engine (BFE) is a service that manages firewall and Internet Protocol security (IPsec) policies and implements user mode filtering. Stopping or disabling the	Application Identity Application Information Application Layer Gateway Service Application Management Application Management	Determines an Facilitates the r Provides suppo Processes instal	Started	Manual Manual Manual Manual	Local Service Local Syste Local Service Local Syste
	BFE service will significantly reduce the security of the system. It will also result in unpredictable behavior in IPsec management and firewall applications.	ADP.NET State Service Automation License Manager Service Background Intelligent Transfer Service Base Filtering Engine Districture Daine Foremation Service	Automation Lic Transfers files i The Base Filteri	Started Started Started	Manual Automatic Manual Automatic	Local Syste Local Syste Local Service

<u>^</u>	When Base Filtering Engine stops, these other services will also stop.
	(IPsec Policy Agent

After that, the "Base Filtering Engine" should not be marked as "Started" any longer::

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Services (Local)	Services (Local)					
	Base Filtering Engine	Name	Description	Status	Startup Type	Log On As
	Start the service	ActiveX Installer (AxInstSV)	Provides User A		Automatic	Local System
		Adobe Acrobat Update Service	Adobe Acrobat	Started	Automatic	Local System
	Description: The Base Filtering Engine (BFE) is a	Application Experience	Processes appli Determines an	Started	Manual Manual	Local System Local Service
	service that manages firewall and Internet Protocol security (IPsec)	Application Information	Facilitates the r	Started	Manual	Local System
	policies and implements user mode filtering. Stopping or disabling the	Application Layer Gateway Service	Provides suppo Processes instal		Manual Manual	Local Service Local System
	BFE service will significantly reduce	ASP.NET State Service	Provides suppo		Manual	Network Servic
	result in unpredictable behavior in	🔍 Automation License Manager Service	Automation Lic	Started	Automatic	Local System
	IPsec management and firewall	Background Intelligent Transfer Service	Transfers files i	Started	Manual	Local System
	applications.	🦓 Base Filtering Engine	The Base Filteri			Local Service

The firmware upload to the WP2xx moule can be performed now.

Please reboot your PC after the upload, so that the Base Filtering Engine will be activated automatically.