

Sabo PLM Web-Server for SpiderControl HMI – First start

Part: Manual

743.1

Version

Version	Date	Comment	Author
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1. Introduction

With application SCADA Web-Server you can use Spider Control HMIs with SABO PLM PLC.

2. Prepare SABO PLM

You need to open PLM web interface and upload web server application. Press button “Durchsuchen” and select file scadaserver_IMX28_vx.xx.xxxx.tgz for PLM 700 hardware. With button “Upload now” system is uploading installation file to PLM hardware. Press button “Go...” to install application.

The screenshot shows the 'System Update' page for a PLM 700 PLC. On the left is a navigation menu with options: Status, Settings, Network, Services, CODESYS V2, Web Server, and System Update (which is highlighted). The main content area is titled 'System Update' and includes the following elements:

- Status:** A table showing 'PLC type: PLM700-A (IMX28)'.
- Select File to upload:** A section with a 'Durchsuchen...' button and the text 'Keine Datei ausgewählt.' Below it is an 'Upload now' button.
- List of uploaded files:** A table with columns 'Filename' and 'Size (Bytes)'. The table is currently empty, showing only a hyphen '-' in the filename column.
- Restart PLC:** A checkbox labeled 'Restart PLC' which is currently unchecked.
- Go...:** A button at the bottom of the main content area.

At the bottom left of the interface, the following contact information is displayed:

© SABO Elektronik GmbH
Lohbachstr. 14
58239 Schwerte
Germany
info@sabo.de

Figure 1: Installation screen for PLM software

Open menu “Web Server” and press “Change” button for SCADA Server.

PLM 700

Web Server

Web Server 3S (CoDeSys v2):

Status:	ON
TCP port:	8080
URL:	http://192.9.225.163:8080/webvisu.htm
Watch process:	Off
Executable:	installed (v2200115)
License:	installed
Use HTML 5:	Off

Change...

Web Server IniNet (CoDeSys v2):

Status:	Off
---------	-----

Change...

SCADA Server:

Status:	Off
---------	-----

Change...

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Lohbachstr. 14
58239 Schwerte
Germany
info@sabo.de

Figure 2: PLM Webserver Screen

Switch option "Status" to "ON" and select a free port. In sample screenshot TCP port 8085 is selected. Press button "Set". Now server is starting.

PLM 700

Web Server

Status

Settings

Network

Services

CODESYS V2

Web Server

System Update

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Web Server 3S (CoDeSys v2):

Status:	ON
TCP port:	8080
URL:	http://192.9.225.163:8080/webvisu.htm
Watch process:	Off
Executable:	installed (v2200115)
License:	installed
Use HTML 5:	Off

Change...

Web Server IniNet (CoDeSys v2):

Status:	Off
---------	-----

Change...

SCADA Server:


Status:	ON
TCP port:	8085
Start page:	index.html

Set Cancel

Figure 3: PLM start SCADA server

3. Licensing Scada Server

Please open a web browser window and write following URL into address bar. Sample URL: <http://192.9.225.163:8085/scdefault/start.html>
 You need to replace IP address with your PLC network configuration and select corresponding TCP port.
 Press button "Licensing".



SpiderControl™
SCADA Web Server

Status
 Tue, 07 Feb 2023 09:29:28 GMT

Server: SCADA-iniNet/2.07.0006 (LINUX)			
Server Root	/tmp/ftpd/a/scadaproj/		
Server Alternative Root	/opt/scadaproj/		
Server IP / Port	192.9.225.163	8085	
Release / Nr PPO / Nr Driver	ST_6	UNLIMITED	1
License /Licensed/Used Nr PPO	ST_6	UNLIMITED	0
Running (s) / Allowed (s)	101	UNLIMITED	
SpcSessionId	862AF5B776		
MBLIBWEBEDITOR=0			
Server detailed info			

(c) 2022 iniNet Solutions GmbH
 Fichtenhagstrasse 2,
 4132 Muttenz (Switzerland)

Boot Project

Status

Licensing

Admin

www.spidercontrol.net

Open source

Scada Log

Figure 4: SCADA Web Server configuration window

Please contact iniNet Solutions GmbH to get a valid license:
info@ininet.ch
Phone: +41 61716 96 26



Licensing

Tue, 07 Feb 2023 09:41:10 GMT

Challenge code

ST6-D7ECDBAEC8CBD6D6-B2

Number of drivers: 1

License key

756F31807A73BE96

Number of PPO: UNLIMITED

Submit

ST6	ST11	ST21	ST31
ST10	ST20	ST30	

License check OK!

(c) 2022 iniNet Solutions GmbH
Fichtenhagstrasse 2,
4132 Muttenz (Switzerland)

www.spidercontrol.net

Boot Project	Status	Licensing	Admin
	Open source		Scada Log

Figure 5: Licensing of SCADA Web Server

4. Copy files with iniNet SCADA-Editor

Please install SCADA Web-Server for SABO PLM on your PLM device and start server application on target. Open your HMI project with software iniNet SCADA-Editor. Select option “Download Project ...”

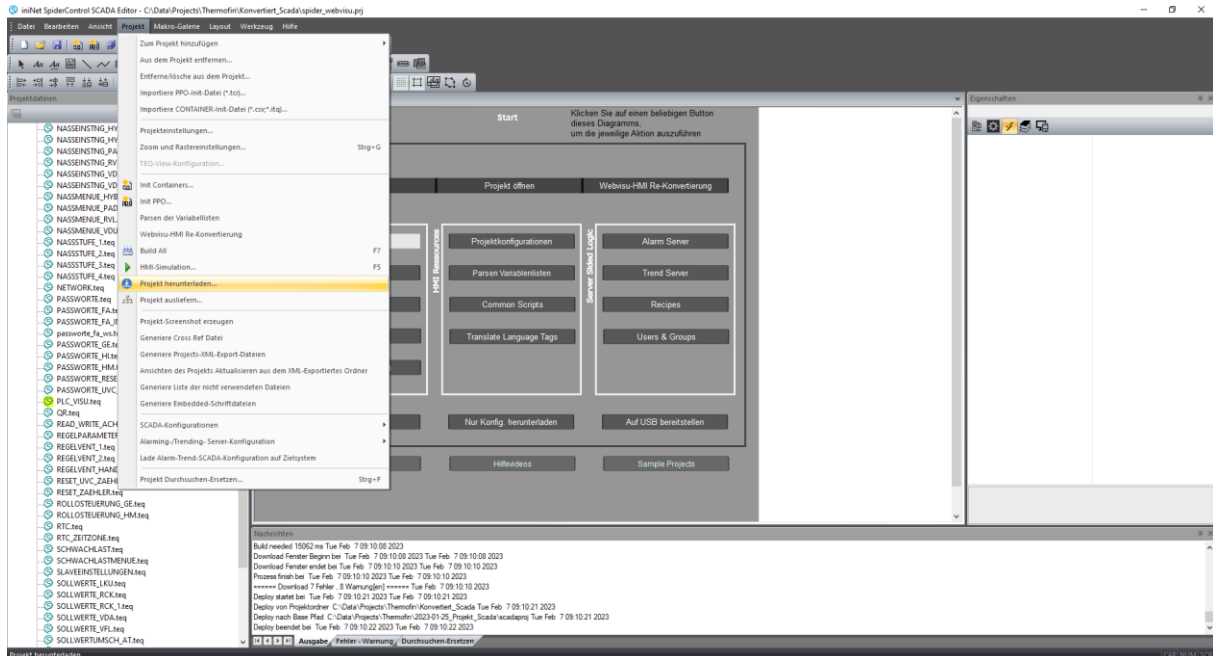


Figure 6: iniNet SCADA-Editor

Select option HTTP Download and set server URL, user name and password. Press “Verbinden” button and press “Download Project” to copy HMI files to Sabo PLM controller. Push button “Beenden” to close window.

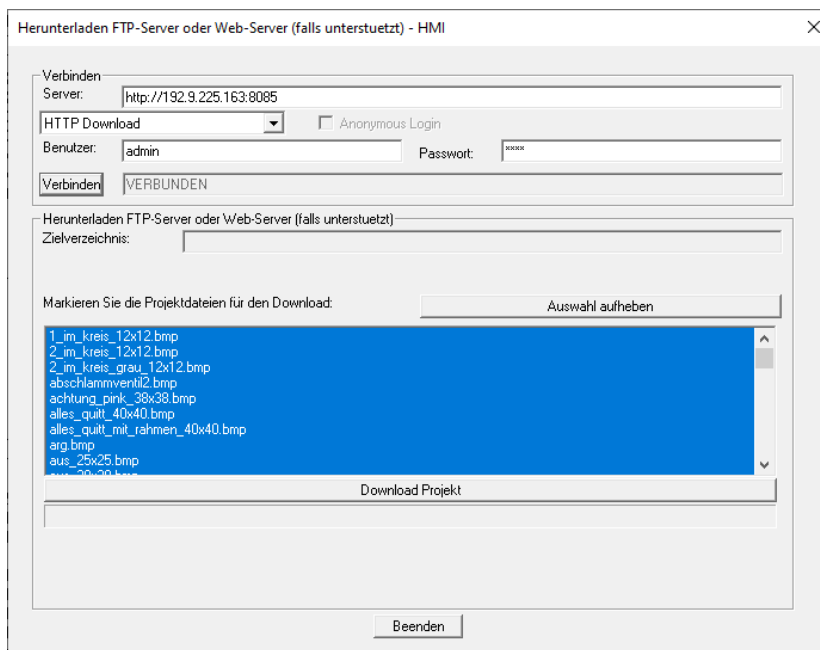


Figure 7: Upload HMI files

Note: If you want to generate a boot project you need to press button “Boot Project” in Figure 4.
Note: To access datapoints from PLC in HMI you need to write file download.sdb with Codesys tool.