TROVIS 5600 Automation System
Web Module and
Web Application TROVIS MOBILE

Accessories for TROVIS 5610 Heating and District Heating Controller

SAMSON

Mounting and
Operating Instructions

EB 5610-1 EN

Firmware version 1.00

Edition October 2012

CE

TROVIS®
Electronics from SAMSON

Contents

Definitions of the signal words used in these instructions

!   *NOTICE*
indicates a property damage message.

(i)   *Note:*
Supplementary explanations, information and tips

1 General

The web module allows relevant data, such as temperatures, pump states and valve positions of the TROVIS 5610 Heating and District Heating Controller, to be viewed on a computer or smartphone using the **TROVIS MOBILE** web application. Furthermore, set points and times-of-use can be changed.

Requirements:

– Web module (order no. 1402-0322)

– Standard Ethernet patch cable (not included in the scope of delivery)

– Permanent Internet connection of the TROVIS 5610 Heating and District Heating Controller over a switch/hub (an unlimited Internet flat rate is recommended)

> ### Note:
> *The web module is optimized for the use of Mozilla Firefox (version 14.0.1 and higher). Windows® Internet Explorer® in version 9 and higher can be used.*

2 Web module

ⓘ *Note:*
The TROVIS 5610 Heating and District Heating Controller has a slot on the left-hand side to retrofit the web module or other interface boards for communication. Therefore, the web module cannot be run together with other interface boards.

2.1 Installing the web module

➔ Remove the dummy module on the left-hand side of the TROVIS 5610 Heating and District Heating Controller.

➔ Insert the web module.

Fig. 1: *Inserting the web module into the TROVIS 5610 Heating and District Heating Controller*

2.2 Connecting the web module to a local network

The web module can be connected to a local network (10/100 MBit) using a standard Ethernet patch cable to a switch/hub or directly to the Ethernet port of a PC.

2.3 Determining the IP address of the web module

After connecting the web module to the local network, an IP address is automatically assigned to the activated TROVIS 5610 Heating and District Heating Controller. This address depends on the local network.

! *NOTICE*
Only connect one web module to the local network with its default settings (delivered state). If several web modules with default settings are connected, the determined IP address cannot clearly allocated to a module.

(i) *Note:*
– The IP address is assigned by a DHCP server of the local network. If the DHCP server is not available, e.g. because the web module is connected to the Ethernet port of a PC, use 192.168.56.10 as the IP address.
– To access the web module, the PC or smartphone and the web module must be in the same subnet.

The IP address automatically assigned by the DHCP server can be read in the Information menu of the TROVIS 5610 Heating and District Heating Controller:

– IP (IP address)

– NM (subnet mask)

```
Information          5/5
Device

System             2.1.0
Firmware            1.00
Serial number     000000
IP         172.XX.XX.XXX
NM         255.XXX.X.X

 ←      →             ↵
BACK   NEXT         HOME
```

(i) *Note:*
If the IP address is not displayed in the TROVIS 5610 Heating and District Heating Controller, e.g. because the controller has a firmware version lower than 1.04, it can be determined using the Microsoft Windows command prompt on the computer.
*The command in this case is **ping 5610_DIST_HEAT**.*

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3 TROVIS MOBILE web application

The TROVIS MOBILE web application is used to view data and to change settings of the TROVIS 5610 Heating and District Heating Controller with installed web module.

3.1 Opening TROVIS MOBILE

➜ Open the web browser.

➜ Enter the IP address of the web module (see section 2.3) into the address bar of the web browser and press ENTER.

TROVIS MOBILE opens.

! NOTICE

It may take a few seconds for TROVIS MOBILE to load. The web browser loads the entire settings of the TROVIS 5610 Heating and District Heating Controller in the background. You must wait for the loading process to finish before you log in to TROVIS MOBILE.


➜ Open login window by pressing *Login*.

ⓘ Note:
Enter 5610 for the user name and password on starting TROVIS MOBILE for the first time.

➜ Confirm by pressing *Log in*.

The start page of TROVIS MOBILE opens.

After starting up the web module for the first time, the user name and password should be changed to prevent unauthorized access to the TROVIS 5610 Heating and District Heating Controller. Refer to section 3.2.2.

➜ Enter user name and password.
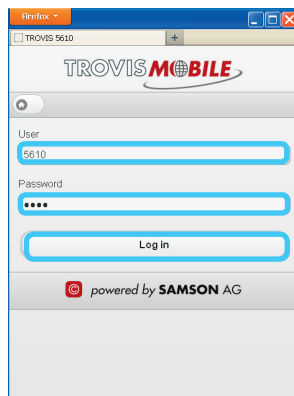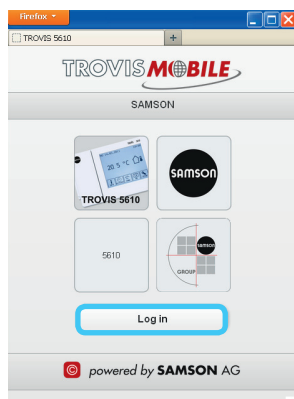
3.2   Configuring TROVIS MOBILE and the network settings

This section describes how to:

– Change the language settings for TROVIS MOBILE
– Change the user name and password for TROVIS MOBILE
– Add a system description to TROVIS MOBILE
– Change the network settings of the web module

TROVIS MOBILE is configured in *Mobile configuration* menu.

➔ Open *Mobile configuration* by pressing ⬤.
➔ Perform required settings as described in sections 3.2.1 to 3.2.4.
➔ Exit *Mobile configuration* by pressing ⬤ .
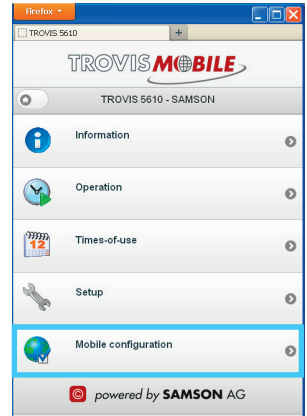
3.2.1   Language

ⓘ **Note:**
The language setting only applies to TROVIS MOBILE. The language setting of TROVIS 5610 Heating and District Heating Controller must be changed at the controller itself.

➔ Press ⊕ to open *Language* menu item
➔ Select required language.

The active language setting is marked by ⬤.

The following message box appears:

> To enable the change to all websites you have to reload the page.

➔ Click on link in the box.

TROVIS MOBILE returns to the login window.
The language setting in TROVIS MOBILE has been changed.

3.2.2 User name and password

➔ Press ⊕ to open *User, Password* menu item.

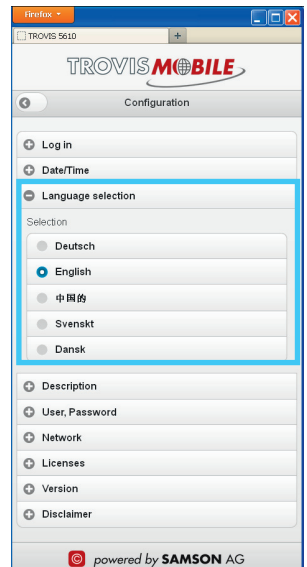➔ Enter new user name.

➔ Enter new password.

➔ Press ☑ to save.

The new user name and password are confirmed with the message *Configuration saved*.

ⓘ *Note:*
The user name and password can be reset to their default settings at the TROVIS 5610 Heating Controller in firmware version 1.10 and higher by setting the PA6-10 parameter.
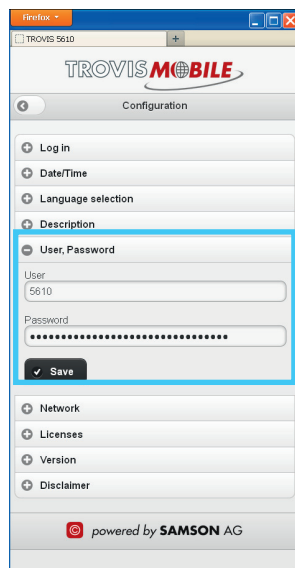
3.2.3 System description

The system description is made up of the system name and description. Both entries are displayed on opening TROVIS MOBILE.

– System name: Located below the TROVIS MOBILE logo (in this case: System Anl 1.6.2)

– Description: In left-hand bottom square (in this case: DHW storage tank system)
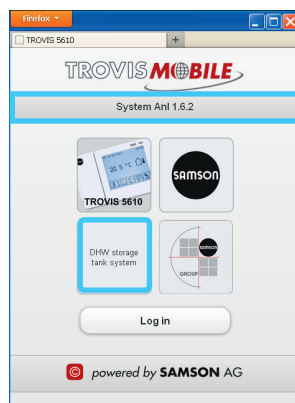
➔ Press ⊕ to open *Description* menu item.

➔ Enter system name.

➔ Enter description.

Use the HTML command <br> to add a line break.

➔ Press ☑ to save.

The new system description is confirmed with the message *Configuration saved*.
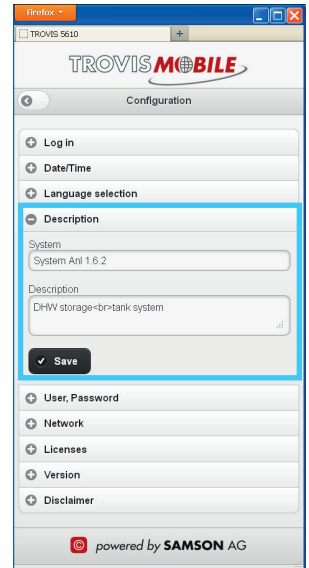
3.2.4 Network

➔ Press ⊕ to open *Network* menu item.

➔ Deactivate (▢) or activate (☑) DHCP server as required.

➔ Enter details for host, IP address, subnet mask, gateway, DNS and time server as required.

➔ Press ☑ to save.

The new network settings are confirmed with the message *Configuration saved*.
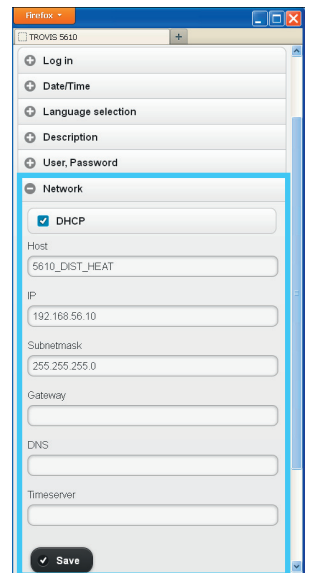
ⓘ **Note:**
The screenshot shows the default settings.

3.3 Operating TROVIS MOBILE

ⓘ *Note:*
Settings that have been changed at the controller are first displayed after restarting TROVIS MOBILE.

➔ Open the web browser.

➔ Enter the IP address of the web module (see section 2.3) in the address bar of the web browser and press ENTER.

TROVIS MOBILE opens.

! *NOTICE*
It may take a few seconds for TROVIS MOBILE to load. The web browser loads the entire settings of the TROVIS 5610 Heating and District Heating Controller in the background. You must wait for the loading process to finish before you log in to TROVIS MOBILE.

➔ Open login window by pressing *Login*.

➔ Enter user name and password.

➔ Confirm by pressing *Log in*.
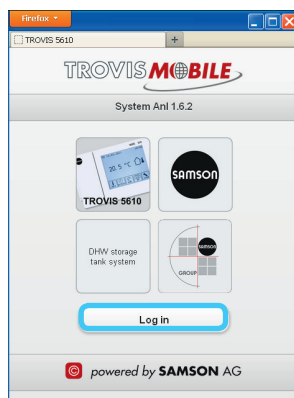
The start page of TROVIS MOBILE opens.

The menus displayed on the start page are the same as the menus used on the TROVIS 5610 Heating and District Heating Controller.

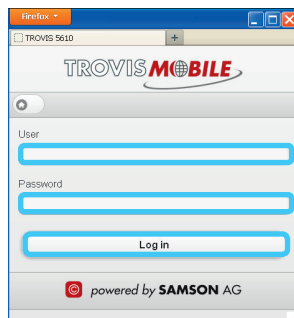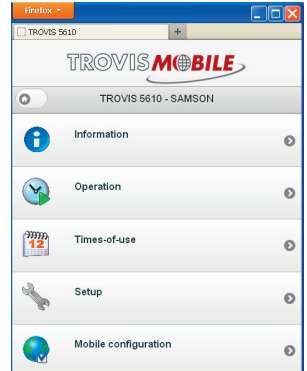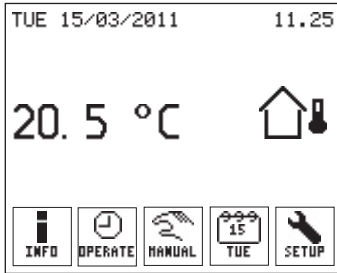| Information menu	➜	Allows you to view information on the control operation (temperatures, operating mode, valve position, pump state) and on the controller
Operation menu	➜	Allows you to set the operating mode and define special times-of-use
Manual menu		This menu is not activated in TROVIS MOBILE.
Times-of-use menu	➜	Allows you to define times-of-use
Setup menu	➜	Allows you to change set points and deactivation values
Mobile configuration menu	➜	Allows you to set the controller time
	➜	Allows you to configure TROVIS MOBILE and the network settings. Refer to section 3.2.
		This menu is only available in TROVIS MOBILE.

Note:
You can find more details on the menus in the mounting and operating instructions of the heating controller ▶ *EB 5610 EN.*

General commands

⟳	Return to login window
‹	Go to previous page
↻	Refresh
❯	Open menu/submenu
●	Select setting (setting is automatically adopted without the need for saving)
✓	Save setting
✕	Close submenu
➕	Expand
➖	Collapse

4 Appendix

4.1 FTP access

The web module uses an FPT server to update the website and the web module firmware. This server allows update files and websites to be downloaded using an FTP client or update tool and provides password-protected access to the internal file system of the web module.

The FTP server uses the default command port 21.

4.2 Telnet access

The web module uses a password-protected Telnet server for access to the command shell of the real-time operating system (RTOS).

The service runs on the default telnet port 23.

4.3 General Public License (GPL)

Some parts of the firmware use GPL-licensed open-source libraries and frameworks.

The source code is available on the SAMSON website.

4.4 GPLv2 text

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