



Version 1.1.4

SCA 340 configuration website

This document provides some basic information about the usage of the SCA configuration website.

All information in this document can be found as help content within the SCA configuration website, too.

Please use the 'Help' link in the user interface bottom area of the webpages to view context related help for the selected webpage.

Note:

In order to configure the webpages successfully, it is required to have basic knowledge about IP networks and addressing of IPv4 networks.

The login to the configuration pages is only available if the SCA is connected via USB cable to a PC (for details see Device Manual of the SCA-340 controller)!

Disclaimer | Imprint

This manual is intended to provide support for usage of the configuration website of the device. The information is believed to be accurate and reliable. However, SysMik GmbH Dresden assumes no responsibility for possible mistakes and deviations in the technical specifications. SysMik GmbH Dresden reserves the right to make modifications in the interest of technical progress to improve our modules and software or to correct mistakes.

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Login



If the login to configuration pages is successful you will be redirected to the SCA overview page. Otherwise an error message will appear and you will be able to try to login once again.

If you use the one of the two Sox... login links you will be redirected to the Sedona login form.

Use Sox Visual to open a visualization webpage created within Niagara^{AX} by using the SysMik module `sysmikScWeb` (Use help module `docSysmikScWeb` for getting details).

Use Sox DALI to open the integrated DALI configurator. This tool can be used for configuration of all connected Inline-DALI terminals. For more details about the user interface of this configuration tool use the Help link.

Note:

Use the Logout menu entry before leaving the configuration pages. If no interaction has been done for longer than five minutes the session will be closed automatically.

Sox ...Connect

The image shows a screenshot of a web application interface for 'Sox Connect'. On the left is a dark header with the text 'Sox Connect' in white. To the right of the header are three input fields: 'Port' (containing '1876'), 'Username', and 'Password'. Below these fields is a grey button labeled 'Sox Connect'. Four orange callout boxes with white text and orange borders provide instructions: '1. Enter Sox-Port (if different)' points to the Port field; '2. Enter Username' points to the Username field; '3. Enter Password' points to the Password field; and '4. Press ,Sox connect' button to login finally' points to the 'Sox Connect' button.

Sox Connect

Port

Username

Password

1. Enter Sox-Port (if different)

Sox Connect

2. Enter Username

3. Enter Password

4. Press ,Sox connect' button to login finally

Note:

The user rights depend on the rights set within the Sedona app for this user.

Overview

Host-ID	LNX-SCA3-0000-0000-040E
Boot	2.0
Kernel	3.14.26_SCA_0.1+
Root File System	2.0.1
Platform ID	sysmik-sca-1.2.28
Platform Version	1.0.0
Niagara Runtime	3.8.41

This view shows important version numbers.

Settings | Network

Use this button to make the values valid

Use this button to send the new values to the SCA

Host name

Use these buttons to change the interface number

MAC Address 84:EB:18:B7:7C:68

Enabled **IPv4**

DHCP

IP Address

Subnet Mask/IPv6 Prefix

Default Gateway

DNS Server 1

DNS Server 2

DNS Server 3

Domain

Note:

The view depends on the available network interfaces and protocols.

Settings | Webserver

The screenshot shows the 'Settings | Webserver' interface. At the top, there are two buttons: 'Apply' and 'Reboot'. An orange callout box points to the 'Reboot' button with the text 'Use this button to make the values valid'. Below the buttons, another orange callout box points to the 'Apply' button with the text 'Use this button to send the new values to the SCA'. The settings are organized into two rows. The first row is for 'HTTP Port', with a text input field containing '80' and a note 'Default is 8080'. The second row is for 'Temperature Fahrenheit', with a slider control and the text 'OFF'.

Apply Reboot Use this button to make the values valid

Use this button to send the new values to the SCA

HTTP Port Default is 8080

Temperature Fahrenheit OFF

Note:

The temperature mode is only used in the `Terminals` view.

Settings | Date/Time

Apply

Reboot

Use this button to make the values valid

Date

2015-09-08

YYYY-MM-DD

Time

14:14:57

HH:MM:SS

Set Date/Time

Timezone

Europe/Berlin (1) ▼

Set Timezone

SNTP IP Address

Leave empty if not used

Set SNTP

Here you can change the date, time, timezone and SNTP settings. Although you can use the `Apply` button for updating ALL values at once the better way is to use the buttons `Set Date/Time`, `Set Time zone`, or `Set SNTP` to update only selected values. This prevents the time value is changed to an inaccurate value.

Settings | IO Server

The screenshot shows the IO Server settings interface. At the top, there are two buttons: 'Apply' and 'Restart IO Server'. A callout box points to the 'Restart IO Server' button with the text 'Use this button to make the IO server values valid'. Below the buttons, there are two input fields. The first is labeled 'IO Server Port' and contains the value '2015', with a hint '(0-65535)' to its right. The second is labeled 'IO Server Remote Address' and contains the value '255.255.255.255', with a hint '###.###.###.###' to its right. A callout box points to the 'IO Server Remote Address' field with the text 'Use this button to send the new values to the SCA'.

IO Server Port	<input type="text" value="2015"/>	(0-65535)
IO Server Remote Address	<input type="text" value="255.255.255.255"/>	###.###.###.###

Here you can change the IO server settings Port and IO Server Remote Address.

Note:

The default value for the address is 255.255.255.255. This means, each IP address is valid. If needed you can restrict this to a unique address too.

Settings | Run

The screenshot shows a settings interface with two buttons at the top: 'Apply' and 'Reboot'. An orange callout box points to the 'Reboot' button with the text 'Use this button to make the values valid'. Another orange callout box points to the 'Apply' button with the text 'Use this button to send the new values to the SCA'. Below the buttons, there are two rows of settings. The first row is for 'Niagara' and the second for 'Sedona'. Each row has a blue horizontal slider and a toggle switch on the right, both currently set to 'ON'.

Here you can enable/disable Sedona and/or Niagara.

Settings | Switch

Use this button to send the new values to the SCA

Use this button to make the values valid

Change the limit or switch Off

Click a option number to select this option

Use the triangle buttons to change the eth0 | eth1 splitting.
 Click the option number on table header to select a configuration combination.
 Click the Status button for port status update.

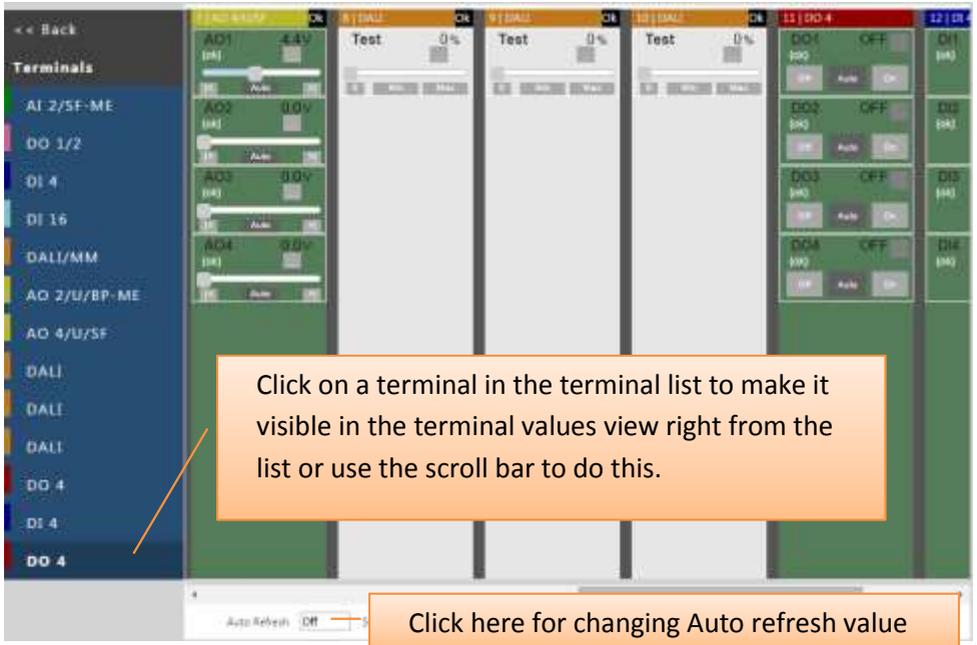
By clicking the triangle, you can change the port arrangement.

The screenshot shows the 'Settings | Switch' interface. At the top, there are 'Apply' and 'Reboot' buttons. Below them is the 'Multicast Broadcast Limit' section with a dropdown menu showing options: Off, 0.032, 0.05, 0.1, 0.5, 1 (selected), 2, 5, 10, 20. To the right, there are 'RSTP Group A' (RA) and 'RSTP Group B' (RB) buttons, and 'Normal Switch' (N) and 'Active Configuration' (N) buttons. The main part of the interface is a table for port configuration. The table has a header with 'Split 2' and 'Status' buttons, and columns numbered 1 to 9. The rows represent interfaces: eth1 (LAN1, LAN2), eth0 pri (LAN3, LAN4). Each cell in the table contains a configuration code (RA, RB, L, N) or a status icon (-). A vertical triangle on the left side of the table is used to change the port arrangement.

	Split 2	Status	1	2	3	4	5	6	7	8	9
eth1	LAN1	<input type="checkbox"/>	N	N	N	RB	RB	RB	-	-	-
	LAN2	<input type="checkbox"/>	N	N	N	RB	RB	RB	-	-	-
eth0 pri	LAN3	<input type="checkbox"/>	N	L	RA	N	RA	L	-	-	-
	LAN4	<input type="checkbox"/>	N	L	RA	N	RA	L	-	-	-

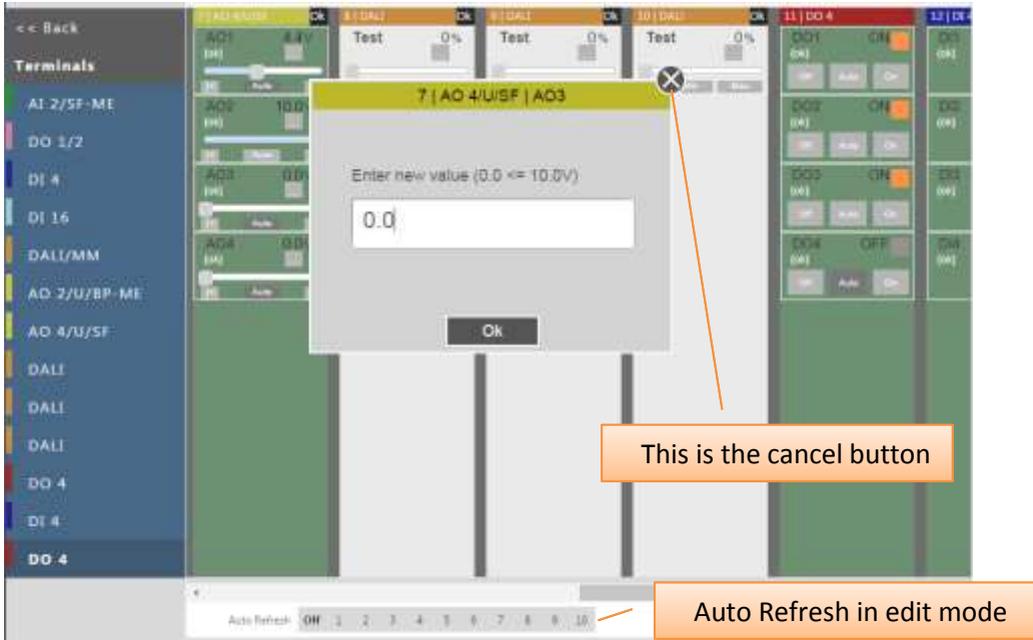
Here you can change the switch settings. You can arrange the four LAN ports whether all to ethernet0 interface or in groups bound to ethernet0 and ethernet1. By selecting of a available option you can additionally configure the switch regarding the Loop and RSTP behaviour.

Terminals



This page shows all connected Inline terminals and their current values. Depending on the terminal type you can override from here the values by using the sliders and buttons. To go back to the automatic values use the `Auto` buttons. If you use logout or after a timeout of five minutes of inactivity all values are set to automatic too.

Terminals



For all analogue values with slider control you can additionally open a modal window where you can enter a numeric value too. Use the button underneath the numeric value to open the window.

Support

For any questions please contact SysMik GmbH at service@sysmik.com

Thank you very much.