



For information about the LXI standard, refer to the LXI website at <http://www.lxistandard.org>. See also "News from Rohde & Schwarz, article 2006/II - 190".

The R&S SMB provides an integrated "LXI Status" dialog for LXI status indication and reset of the LAN configuration ("LAN Configuration Initialize", LCI). To access the LXI status dialog, press the [Setup] key and select "Remote > LXI Status".

For further information, see [Chapter 4.2.3.12, "LXI Status"](#), on page 112.



Firmware update

After a firmware update, shut down and restart the instrument in order to enable the full LXI functionality.

Default state of the network settings

According to the LXI standard, an LCI must set the following parameters to a default state.

Parameter	Value
TCP/IP Mode	DHCP + Auto IP Address
Dynamic DNS	Enabled
ICMP Ping	Enabled
Password for LAN configuration	LxiWebIfc

The LCI for the R&S SMB also resets the following parameters:

Parameter	Value
Hostname	<Instrument-specific host name>
Description	Vector Signal Generator
Negotiation	Auto Detect
VXI-11 Discovery	Enabled

The LAN settings are configured using the instrument's "LXI Browser Interface".

3.1.17.1 LXI Browser Settings

To access the instrument via the web browser:

- ▶ Type in the instrument's host name or IP address in the address field of the browser on your PC, for example "http://10.113.1.205".
Note: Do not add the missing zeros in the IP address, while opening the instrument home page.

The instrument home page (welcome page) opens.

The screenshot shows the LXI browser interface for the R&S SMB100A. The left sidebar contains navigation links: Home, Lan Configuration, Status, Utilities, Instrument Control (Web Control, File Download, File Upload), Diagnostics (Device Screenshot, SCPI Remote Trace, SCPI Command Shell), and Help (Glossary, www.rohde-schwarz.com). The main content area displays 'Instrument Properties' with the following details:

Instrument Model	R&S SMB
Manufacturer	Rohde & Schwarz GmbH & Co. KG
Serial Number	100011
Description	Rohde & Schwarz Signal Generator SMB100A 100011
LXI Version	1.4 LXI Core 2011
LXI Extended Features	
DNS Host Name(s)	instrument
MAC Address	00:25:64:C3:31:82
IP Address	10.113.1.150
Firmware Revision	03.20.390.12
Current Time	Wednesday, 2015/12/02, 11:54:06
Current Time source	Operating System
VISA resource string	TCP/IP::10.113.1.150::inst0::INSTR TCP/IP::10.113.1.150::hislip0::INSTR
Device Indicator	ACTIVE (press to toggle) ●

Below the properties, there is a 'Status' section showing 'No error'. A copyright notice at the bottom right reads '© 2015 ROHDE&SCHWARZ. All rights reserved.'

The navigation pane of the browser interface contains the following elements:

- "LXI"
 - "Home" opens the instrument home page.
The home page displays the device information required by the LXI standard, including the VISA resource string in read-only format.
 - "Device Indicator" activates or deactivates the LXI status indication.
When activated, the LXI LEDs flash, both in the browser dialog and in the LXI dialog of the connected instrument. A green LXI status symbol indicates that a LAN connection has been established; a red symbol indicates that no LAN cable is connected.
 - "Lan Configuration" allows you to configure LAN parameters and to initiate a ping, see "[Ping Client](#)" on page 44.
 - "Status" displays information about the LXI status of the instrument.
 - "Utilities" provides access to the LXI event log functionality required by the LXI standard.
- "Instrument Control"
 - "Web Control" provides remote access to the instrument, see "[Web Control](#)" on page 45.
- "Diagnostics"
 - "SCPI Remote Trace" records messages exchanged via the remote control interface, see "[SCPI Remote Trace](#)" on page 46.
- "Help"
 - "Glossary" explains terms related to the LXI standard.