

The screenshot shows the instrument's web-based user interface. At the top left is the Rohde & Schwarz logo. To the right of the logo is the LXI logo. The main navigation bar on the left includes links for Home, Lan Configuration (with IP Configuration, Advanced Config, and Ping Client), Status, Utilities, Instrument Control (with Web Control), Diagnostics (with SCPI Remote Trace), and Help (with Glossary and website link). The current page, LAN Parameters, is indicated by a back arrow and the title 'LAN Parameters'. The configuration section contains three checkboxes: 'mDNS and DNS-SD' (selected), 'ICMP Ping enabled' (selected), and 'VXI-11 Discovery' (selected). Below these is a 'Submit' button and a note '(Password required!)'. At the bottom of the page is a status bar with 'Status' and 'No error'.

The following advanced parameters are available:

- "mDNS and DNS-SD": The additional protocols "multicast DNS" and "DNS service discovery" are used for device communication in zero configuration networks, working without DNS and DHCP.
- "ICMP Ping enabled": Must be enabled to use the ping utility. If you disable this setting, the instrument does not answer ping requests. The setting does not affect the LXI ping client. You can ping other hosts from the instrument, even if the setting is disabled.
- "VXI-11 Discovery": Must be enabled to detect the instrument in the LAN. If you disable this setting, the instrument cannot be detected by the VXI-11 discovery protocol mechanism. The setting does not affect other detection mechanisms. Setting up a VXI-11 connection via the IP address or the host name is independent of this setting.

Ping Client

The "Ping Client" page provides the ping utility to verify the connection between the LXI-compliant instrument and another device.

The ping is initiated from the instrument. Using the ICMP echo request and echo reply packets, the function checks whether the communication with a device via LAN works. Ping is useful for the diagnosis of IP network or router failures.

The ping utility is not password-protected.

To initiate a ping from the instrument to the device:

1. Enable "ICMP Ping" on the "Advanced LAN Configuration" page.