

R&S®LCX100 / R&S®LCX200

Release Notes

Software Version 02.047



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The software makes use of several valuable open source software packages. For information, see the "Open Source Acknowledgment" provided with the product.

The following abbreviations are used throughout this document: R&S®LCX100 / R&S®LCX200 is abbreviated as R&SLCXx00.

PAD-T-M: 3574_3288_02/05_00/CI/1/EN

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1 Information on the current version and history

1.1 Version 02.047

Version	Improvements
02.047	<ul style="list-style-type: none">Cable compensation improved.O/S/L reset behavior corrected.SCPI command setting for auto select added: FUNCTION:MEASUREMENT:AUTOselectLowZ threshold frequency corrected to 100 kHz max.

1.2 Version 02.043

Version	Improvements
02.043	<ul style="list-style-type: none">Fixed 10mV restriction on LCX100 devices with HW ID 2.Added plausibility check and other improvements for open/short correction.Various improvements to dynamic impedance measurement.Fixed GUI lagging issues with low frequencies.Fixed calibration data detection on earlier devices.Improved Auto-Range.Fixed unexpected behavior of "CURR?" and "VOLT?" commands.Added check for maximum voltage when using internal voltage bias.Fixed invalid ranges being selectable in transformer mode.Fixed "FETCH" command returning "Data corrupt or stale" error.Added overlap to measurement ranges.Multiple minor fixes.

1.3 Version 02.036

LCX200 devices with expanded test level range are available. If you are interested, please get in touch with your local sales agency.

Version	Improvements
02.036	<ul style="list-style-type: none"> Fixed calibration not loading correctly in some cases. Improved various aspects of Auto Range function. Added SCPI support to save and recall instrument state. Improved Dynamic Impedance Analysis. Improved measurement accuracy in multiple areas due to improved adjustment. Improved Logging functionality. Fixed invalid values in Dynamic Impedance Analysis and Logging. Improved Transformer measurement mode. Improved Accuracy indicator. Improved Open and Short correction. Improved Binning function. Added limitations of test signal voltage and frequency according to datasheet. Limited range choice menu to selectable ranges. Improved switching between Low Z and High Z mode. Fixed crashes in Open and Short correction for some test fixtures. Improvements in GUI.

1.4 Version 02.007

Version	Improvements
02.007	<ul style="list-style-type: none"> Improved software stability. Improved GUI appearance. Improved measurement performance for freq. above 50 kHz (LCX 200). Improved measurement performance in transformer mode. Improved behavior for correction measurements. Visualize indicator in status bar when correction is effective. Improved behavior for remote control to initiate and fetch measurements. Improved behavior for remote control related to correction commands. Improved behavior for remote control related to store and recall device settings. Improved behavior for remote control related to hold functionality. Improved behavior for remote control related related to transformer measurement. Added remote control interface to sanitize device. Improved graphical chart view in RDC mode. Improved usability on changing source impedance in auto mode. Improved behavior on settings after dynamic impedance measurement completion.

1.5 Version 02.002

Version	Improvements
02.002	<ul style="list-style-type: none">Improved usability with Graphical User Interface.Improved monitor value accuracy.Improved auto range behavior.Improved behavior for current bias level changes.Improved behavior for discharging current bias.Improved dynamic impedance measurement.Improved performance for RDC measurements.Improved remote command handling for binning.Improved behavior for remote command "FETCH?"Improved stability of log chart view.Improved startup behavior.

1.6 Version 01.105

Version	Improvements
01.105	First release for end customer (general improvements)

1.7 Version 01.032

Version	Improvements
01.032	Feature complete (general improvements)

1.8 Version 01.018

Version	Improvements
01.018	First release for R&SLCXx00 series.

2 Modifications to the documentation

The current documentation is up-to-date.

3 Firmware update

3.1 Validity information

If necessary list here the material and model numbers the firmware is referring to

Firmware updates for the R&SLCXx00 are available as download from the Rohde & Schwarz web page <http://www.rohde-schwarz.com>.

The installation file R&SLCXx00 is named `LCX-02_047.rsu`.

The installation file is valid for the following instruments:

Device	Order Number
LCX100 LCR METER BASIC	3629.8856.02
LCX200 LCR METER ADVANCED	3629.8856.03

3.2 Updating the firmware

Before updating the firmware, download the firmware to the USB stick.

- Insert the USB stick at the front USB port of the instrument
- Go to the device settings menu
- Select the "Update Device" in the menu
- Select the `*.rsu` file for the update

Do NOT operate the instrument while firmware is updating.

4 Recommendations on Secure Operation

The R&SLCXx00 is designed to operate at local workplaces or in secured networks (LAN). It should not be accessible from the internet, because this is a potential security risk. As an example, attackers could misuse or damage your device.

Please always install the latest firmware.

It is highly recommended that you work closely with your IT department or system administrator to ensure compliance with your company policies when connecting devices to your company's network.

5 Customer support

Technical support – where and when you need it

For quick, expert help with any Rohde & Schwarz product, contact our customer support center. A team of highly qualified engineers provides support and works with you to find a solution to your query on any aspect of the operation, programming or applications of Rohde & Schwarz products.

Contact information

Contact our customer support center at www.rohde-schwarz.com/support or follow this QR code:



Figure 5-1: QR code to the Rohde & Schwarz support page