

Release Notes

LCOS LX **6.10 RC1**

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1. Preface

The LANCOM family of operating systems—LCOS, LCOS SX, LCOS LX, and LCOS FX—forms the trusted basis for the entire LANCOM range of products. Within the scope of the hardware specified by the products, the latest firmware version is available for all LANCOM products and is offered by LANCOM Systems for download free of charge.

This document describes the innovations within LCOS LX software release 6.10 RC1, as well as the improvements since the previous version.

Before upgrading the firmware, please pay close attention to chapter 7 “General notes” of this document.

Latest support notes and known issues regarding the current LCOS LX version can be found in the support area of our website www.lancom-systems.com/service-support/instant-help/common-support-tips.

2. The release tag in the software name

Release Candidate (RC)

A Release Candidate has been extensively tested by LANCOM and includes new LCOS features. It is suitable for testing and is not recommended for use in productive environments.

Release-Version (REL)

The release has been extensively and successfully tested in practice. It contains new features and improvements over previous LANCOM operating system versions. Recommended for use in productive environments.

Release Update (RU)

This is a further development of an initial release version and contains minor improvements, bug fixes and smaller features.

Security Update (SU)

Contains important security fixes for the respective LANCOM operating system version and ensures that your security level remains very high on an ongoing basis.

3. Device-specific compatibility to LCOS LX

LANCOM products regularly receive major firmware releases throughout their lifetime which provide new features and bugfixes. LCOS LX release updates including bugfixes and general improvements are available on a regular basis for devices which do not support the latest LCOS LX version. You can find an overview of the latest supported LCOS LX version for your device under www.lancom-systems.com/lifecycle.

4. Notes on LCOS LX

Information on default settings

Devices delivered with LCOS LX automatically connect to the LANCOM Management Cloud (LMC). This functionality provides zero-touch installation for new devices. In case you do not want to use the LMC, this feature can be disabled while running the default setup wizard for the initial configuration, or at any time from within LANconfig under Management > LMC. You can manually re-enable the usage of the LMC whenever you want.

5. History LCOS LX

LCOS LX improvements 6.10.0011 RC1

New features

- Support for WDS / point-to-point connections
- Support for LACP
- Support for L2TPv3
- Support for client isolation
- WLAN driver update for increased stability and compatibility
- The list of SSH algorithms used has been adjusted. Supported are:
curve25519-sha256, diffie-hellman-group14-sha256 (key exchange);
ssh-ed25519, rsa-sha2-256 (host key algorithms); chacha20-poly1305,
aes128-ctr, aes256-ctr (encryption); hmac-sha2-256 (MAC).

Bugfixes / improvements

- When using Dynamic VLAN (RADIUS), the access point sent the 'LLC announcement' twice. Furthermore, the LLC announcements were already sent by the access point before the RADIUS negotiation was finished.
- Preferred channels can be stored in the 'Channel list' (Setup/WLAN/Radio). During automatic channel selection, one channel is then selected from the list instead of all possible channels. However, the 'Channel list' was not taken into account, so that all channels could still be selected.
- Although the 'Configuration-Via-DHCP' option was disabled in the '/Setup/LMC/' path, the LMC-DHCP option was evaluated.
- In rare cases it could happen that a LANCOM LX access point managed via WLC displayed the LED blinking pattern of an unmanaged access point.

6. Known restrictions

- Local configuration changes are not transferred to the LMC.
- The scripting of the device from the LMC is currently not supported, but the use of add-ins is.

7. General notes

Disclaimer

LANCOM Systems GmbH does not take any guarantee and liability for software not developed, manufactured or distributed by LANCOM Systems GmbH, especially not for shareware and other extraneous software.

Backing up the current configuration

Before upgrading your LANCOM devices to a new LCOS LX version it is essential to backup the configuration data!

Due to extensive features it is **not possible to downgrade** to a previous firmware without using the backup configuration.

Please see the LCOS LX reference manual for instructions on how to upgrade the firmware.

We strongly recommend updating productive systems in client environment

only after internal tests. Despite intense internal and external quality assurance procedures possibly not all risks can be eliminated by LANCOM Systems.