

Information regarding

LANCOM Loader 4.21

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LANCOM Systems GmbH
Adenauerstrasse 20 / B2
52146 Wuerselen
Germany

Internet: <http://www.lancom-systems.com>

25.09.2017, CBuersch

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1. Preface

This document describes the innovations within the LANCOM loader release 4.21, as well as the improvements since the previous release.

Warning hint - Backing up the current configuration

Before upgrading your device to a new loader version it is **essential** to backup the configuration of your router.

If you want to upgrade devices which are only accessible via router connections or Wi-Fi bridges, please keep in mind to upgrade the remote device first and the local device afterwards.

Upgrading central site components

We strongly recommend updating productive systems only after internal tests in client environment. Despite intense internal and external quality assurance procedures possibly not all risks can be eliminated by LANCOM Systems.

2. Procedure

Loader updates generally improve the operational stability of your LANCOM device. We recommend that you update the loader of the listed devices to the version specified here (or higher, if available).

You can download the loader for your particular device from the download section of [myLANCOM](#). To download the loader, you need a free user account which you can create here: [myLANCOM registration](#)

First, check which loader version your device is currently running. Do this in WEBconfig by accessing the menu LCOS menu tree > Firmware > Table firmsafe.

If line 3 displays a loader version less than the latest version listed in this document, we recommend that you update the loader.

You can also check this from the command line by entering the command: **ls /firmware/table-firmsafe.**

If you want to update your device to a new loader version, please install the latest LANtools version first. **You should backup the configuration of your router before updating the loader.**

After that, you can upload the latest loader version to your device using LANconfig's "Upload firmware" button.

3. Improvements and history

Improvements in loader version 4.21

- > During a device restart, the shutdown of the network interfaces could cause a further restart, so that the reason for the initial restart was no longer visible in the bootlog. Loader version 4.21 solves this problem for the following LANCOM devices:
 - > LANCOM 7100 VPN
 - > LANCOM 9100 VPN
 - > LANCOM WLC 4025+
 - > LANCOM WLC 4100

Improvements in loader version 4.12

Bugfixes / improvements:

- > An issue was fixed, which lead to the impossibility of mounting the file system of a LANCOM device after some time. As a result of this, the firmware of the device could not be started. Loader version 4.12 solves this problem for the following LANCOM devices:
 - > LANCOM 1631E
 - > LANCOM 831A
 - > LANCOM 1781A
 - > LANCOM 1781AW
 - > LANCOM 1781A-3G
 - > LANCOM 1781A-4G
 - > LANCOM 1781-4G
 - > LANCOM 1780EW-4G
 - > LANCOM 1781EF
 - > LANCOM 1781EW
 - > LANCOM 1783VA
 - > LANCOM 1783VAW
 - > LANCOM 1781EF+
 - > LANCOM 1781VA
 - > LANCOM WLC-4006+
 - > LANCOM 1781VAW
 - > LANCOM 1781VA-4G
 - > LANCOM 1781EW+
 - > LANCOM L-151gn Wireless
 - > LANCOM L-151E Wireless
 - > LANCOM L-320agn Wireless (R2)
 - > LANCOM L-321agn Wireless (R2)
 - > LANCOM L-322agn dual Wireless (R2)
 - > LANCOM L-330agn dual Wireless
 - > LANCOM L-451agn Wireless
 - > LANCOM L-452agn dual Wireless
 - > LANCOM L-460agn dual Wireless
 - > LANCOM L-822acn dual Wireless
 - > LANCOM L-1302acn dual Wireless
 - > LANCOM L-1310acn dual Wireless
 - > LANCOM L-830acn dual Wireless

Improvements in loader version 3.40

Bugfixes / improvements:

- > Stability improvements for the following devices when accessing the internal NAND memory:
 - > LANCOM WLC-4025+
 - > LANCOM WLC-4100
 - > LANCOM 7100 VPN
 - > LANCOM 9100 VPN