

Firmware Update v4x0

1 Introduction

This document describes how to do a firmware update on a Lenze v4x0 webpanel and additional installation of the corresponding chromium package.



The example uses the following versions:

Description	Version Software/Firmware
V4x0 firmware	v4.1.535
Chromium	v112-0.23

Please ensure that the power supply to the web panel is not interrupted during the update process.

1.1 Download firmware files

Get relevant firmware and browser from AKB article and save them locally on your hard drive. The files are names like:

- un78-xxxx-configos-4.1.535.rootfs.tar.gz
- un78-xxxx-configos-4.1.535.rootfs.tar.gz.md5
- un78-xxxx-mainos-4.1.535.rootfs.tar.gz
- un78-xxxx-mainos-4.1.535.rootfs.tar.gz.md5
- chromium-112-0.23-aarch64.zip

1.2 Open web interface

- Open the web interface by entering the IP from the web panel (e.g. <http://192.168.5.20>)
- Login with your admin credentials
- If entry “Basic view” is visible, click on it to switch to “Advanced View”

1.3 Backup settings (optional)

Depending on the previous firmware version it is possible that with a firmware update all settings are set back to factory setting. This will happen, if an update to a higher major version is done (v2.1 → v4.1).

Before starting the update process please note all relevant settings from the web panel.

Most relevant settings can be found in “Date & Time”, “Network” (see also next step), “Security” and “Web Browser”

Firmware Update v4x0

1.4 Check network settings

- Select “Network” and check network interfaces if DHCP is “enabled”
- If it is not enabled, note the “Address”, “Netmask”, and “Gateway”

1.5 Firmware update

- Select “Management”
- Expand “Main OS” and “Config OS” and check the installed versions

The next steps are only necessary if at least one of the installed version is lower than the downloaded firmware version, otherwise an update is not necessary.

- Click “Update” in the “Config OS” tab
- Drag and drop the files “un78-xxxx-configos-4.1.535.rootfs.tar.gz” and “un78-xxxx-configos-4.1.535.rootfs.tar.gz.md5” into the popup window
 - Important: Don’t choose the “...-mainos-...” files in this step
- Start the update with selecting “PROCEED”
- After processing the update, you get information inside of the web interface.
- Click “Update” in the “Main OS” tab
- Confirm reboot message
- Drag and drop the files “un78-xxxx-mainos-4.1.535.rootfs.tar.gz” and “un78-xxxx-mainos-4.1.535.rootfs.tar.gz.md5” into the popup window
 - Important: Don’t choose the “...-configos-...” files in this step
- Start the update with selecting “PROCEED”
- After copying the files to the web panel a security message regarding clearing device’s data and settings must be confirmed
- After processing the update, you get information inside of the web interface and it will reboot.

1.6 Restore network settings (without DHCP)

- If DHCP from step 1.4 was not enabled, the next steps must be done on the web panel
- Press “System Settings”
- Login with admin credentials
- Press “Network”
- Expand “Network Interfaces”, press “Edit”, enter settings for “Address”, “Netmask” and “Gateway” and press “Save”
- Press “Menu” in the top left corner, press “Basic View”, press “Restart” and select “Main OS”
- The web panel will restart with saved network settings

1.7 Installation chromium

- Open the web interface by entering the IP from the web panel (e.g. <http://192.168.5.20>)
- Login with your admin credentials
- If entry “Basic view” is visible, click on it to switch to “Advanced View”
- Select “Applications”, click on “App Management” and “Install / Update”
- Drag and drop the file “chromium-112-0.23-aarch64.zip” into the popup window
- Start the installation with selecting “PROCEED”

Firmware Update v4x0

- After the installation will automatically reboot

1.8 Restore settings

- Open the web interface by entering the IP from the web panel (e.g. <http://192.168.5.20>)
- Login with your admin credentials
- If entry “Basic view” is visible, click on it to switch to “Advanced View”
- Restore all noted settings from step 1.3
- After next reboot the web panel should show the configured visualization

If there are any problems while or after updating please contact your local Lenze service.

2 Change history

Author	Date	Description