

Updating the Firmware of the LD500





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1 Updating the Firmware of the LD 500

1.1 Download latest Firmware on the CS Instruments website

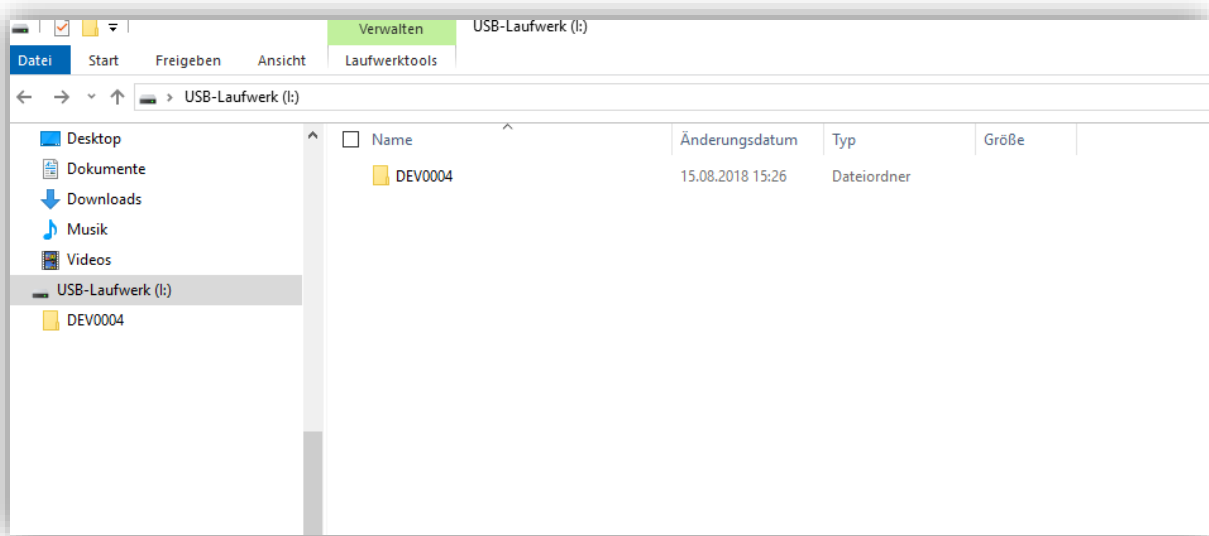
Download Link:

<https://www.cs-instruments.com/downloads/software/firmware-leak-detectors>

1.2 Saving the file on the USB stick

Save the zip file on a USB stick and unzip it

The folder should look then like this:



1.3 Insert the USB stick into the LD 500



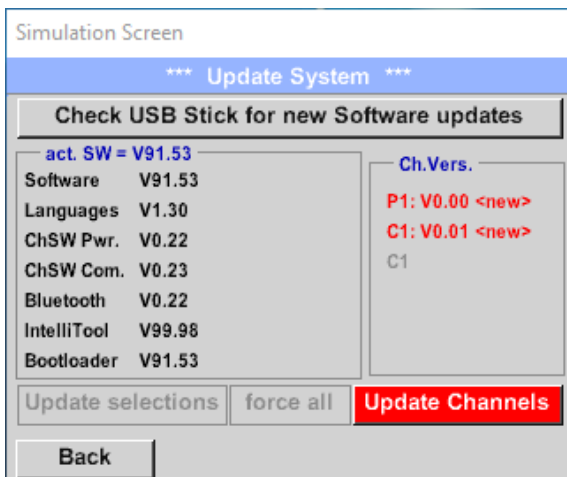
1.4 Connect the charger to the LD 500

1.5 Update the LD 500

Please follow the following path:

Home → Setting → Device settings → Update System →

1.5.1.1 „Check USB stick for new Software Updates”



1.5.1.2 „Update selection“

1.5.1.3 Update channels LD 510

If you are updating the software of an LD 510, under some circumstances it may be necessary to update the channels first. This step is unnecessary with the LD 500.

1.5.1.4 Reboot LD 500

1.6 Bootloader Update

In case a Bootloader update is required, the procedure must be done twice.

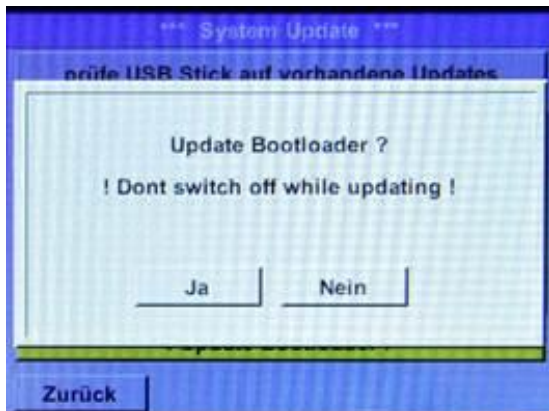
If a bootloader update is required, the update process must be performed twice.

First the bootloader is updated, then the device software is updated, as described starting from section "1.5 Updating the device".

The following message appears when the bootloader needs to be updated:



For example, here the bootloader is updated from version <V0.30> to <V0.34>.
To start the process, click on the "!Update Bootloader!" field.
The following message then appears:



Please do not switch off the device during the update process and confirm the message that appears with "Yes".



Then, the password must be entered.

- By default, the password is: "0000".
- If the password has been changed by the user, the new password must be entered.
- If the user can no longer remember the changed password, please contact the manufacturer (CS Instruments) with the device serial number. We will then send you the master password for this serial number.

After successfully entering the password, execute "Update Bootloader" and then restart the device via (reboot system).

Then, the device software can be updated as described in section "[1.5 Updating the device](#)".

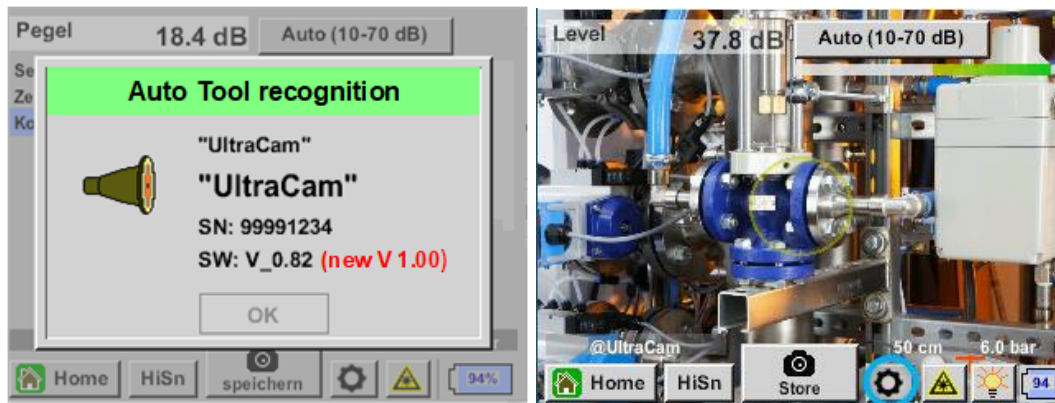
In the case shown, this would be an update from version <V2.81> to <V3.01>.

1.7 Update of the tool

There may be an update for the tool in the directory of the LD 500 / LD 510.

Then the device shows a possible **new software** update under "Auto Sensor Detection".

To perform the update, click on the gear wheel in the "Leakage search" that opens the selection of the sensor type.

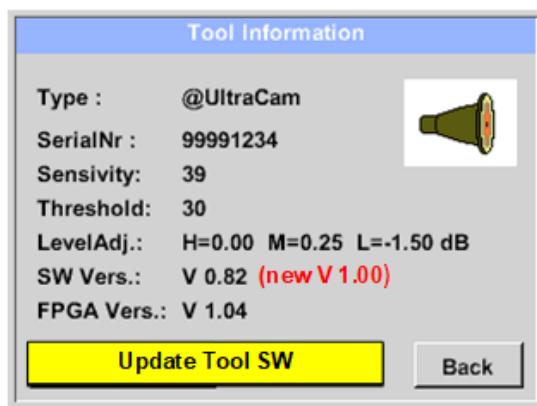


Click on the yellow field with the sensor type in blue letters and click on the Info button.



Use the "Update Tool SW" to perform the update.

- Please do not mechanically remove the tool during this process.



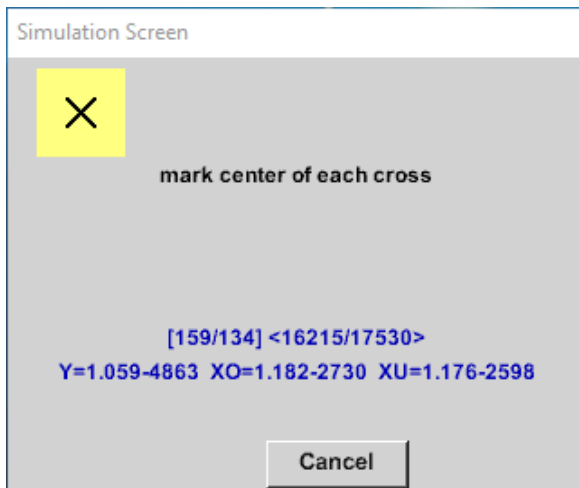
1.8 Check Touchscreen Calibration

Check the touch screen calibration.

Depending on the current SW version that has been used, it might be necessary to calibrate the touch panel after the Firmware update.

This can be done in the following way:

Home → Setting → device setting → Calibrate touch panel



Mark of each cross with a non-sharp object to not damage the touch panel.