

# Firmware Update

## MWS 55 / MWS 88 / MWS10 Microprozessor Wetterstationen and **Sensors 55** with data logger (SD-Card)



**REINHARDT System- und  
Messelectronic GmbH**

Bergstr. 33, D-86911 Dießen-Obermühlhausen  
Tel. 0049 - 8196 - 934100 or 7001

E-Mail: [wetter@reinhardt-testsystem.de](mailto:wetter@reinhardt-testsystem.de)

WEB: [www.reinhardt-wetterstationen.de](http://www.reinhardt-wetterstationen.de)

# Firmware Update MWS 55, 88, 10

## Firmware Update

The MWS 55, MWS 88, MWS 10 and sensors 55 allow updating the firmware via the serial port. Start the tool "MWS\_WUpda.exe" with extension en-US to start in English.

(On the WeatherCD under SOFTWARE/MWS\_WUpda)

In this folder also the current firmware version is stored.

You can download the current firmware [here](#).

Updating the firmware takes app. 2 minutes at 115200 baud, app. 25 minutes at 9600 baud.



**CAUTION: Errors while updating the firmware will lead to complete malfunction of the weather station!!**

**Following procedures are required for updating the firmware depending on the current version:**

**- from V3.0200 and older**

- first of all save the station's configuration!
- This is performed with the command \*ADMIN SAVE CONFIG within a terminal program.

- Then execute a update with "Defines". (MWS\_DEFV3\_0230.hex)

- After updating with Defines the previously saved configuration needs to be recovered !

This is performed with the command \*ADMIN LOAD CONFIG. This takes app. 20 minutes.

- Now a Bootloader-update must be performed! (MWS\_BOOTV3\_0230.hex)

- At last send following commands to the station (Appendix command):

!XW0007c9e0,504b39bb06c1507e22aa37b60000000000

!ER10,0 CLEAR

These commands are contained in the file "MWS\_APPENDIXV3\_0230.hex".

Open this file with a text editor, copy the respective complete command and send it to the station with a terminal program.

**- from V3.0200 to V3.0220**

- "normal" update (MWS\_UPV3\_0230.hex )
- then a Bootloader-update (MWS\_BOOTV3\_0230.hex)
- and at last also the Appendix commands from "MWS\_APPENDIXV3\_0230.hex".

**- from versions 3.0221 and newer**

- "normal" update (MWS\_UPV3\_0230.hex )
- and at last also the Appendix commands from "MWS\_APPENDIXV3\_0230.hex".

**- from versions 3.0230 and newer**

- "normal" update (MWS\_UPV3\_0232.hex )

**- since version 3.0240 and newer**

- there is only one update file (MWS\_UPV3\_0240.hex or higher) for updating from ALL versions!

The necessary handling is performed automatically by the program

MWS\_WUpda.exe (V1.0.0.5).

**- Update from Firmware version 3.0262**

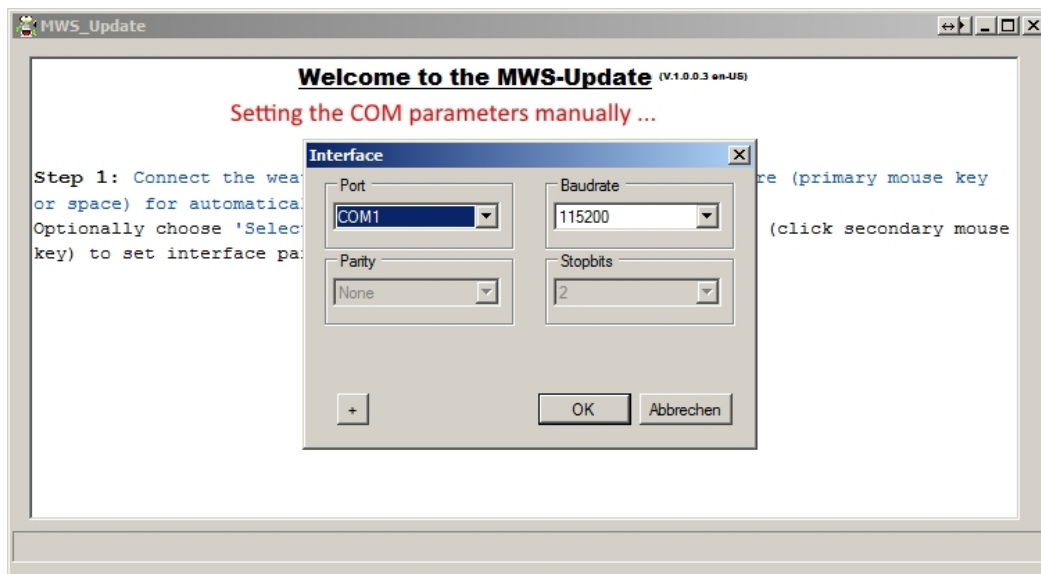
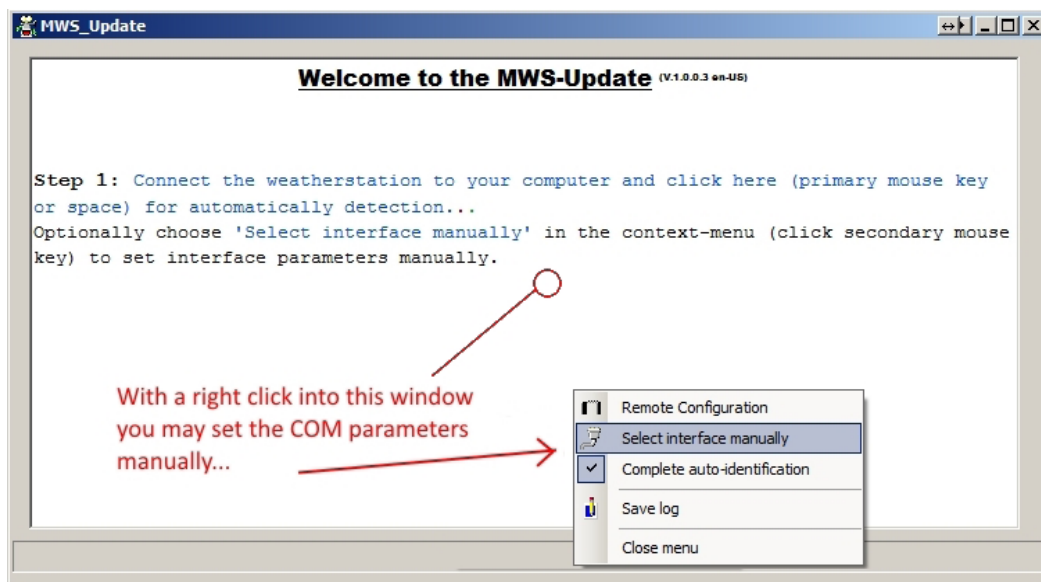
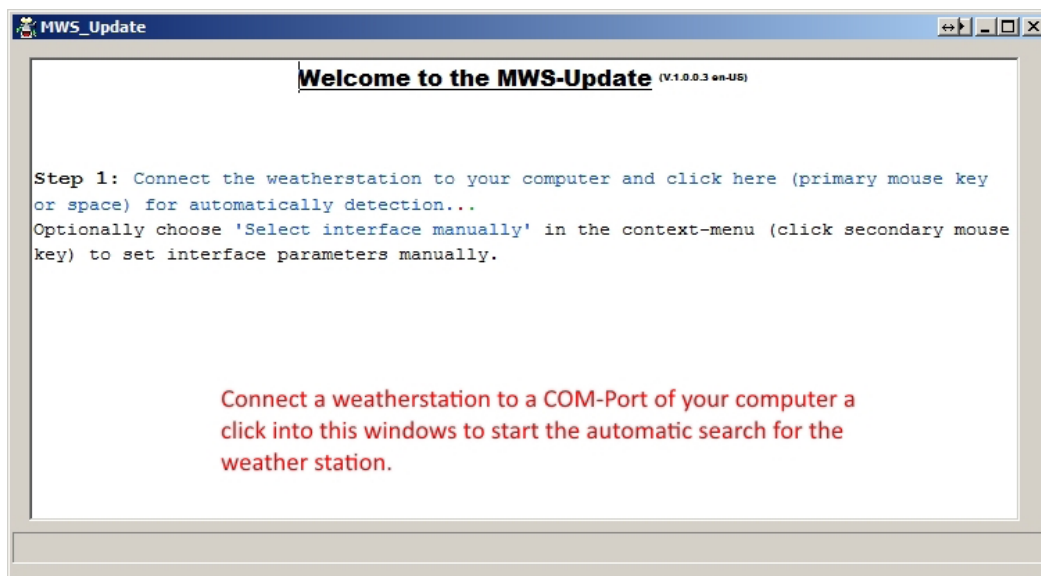
- When updating from this version it is essential to transfer calibration data again!

The following pictures show how to perform a firmware-update. (Pictures can deviate !!)

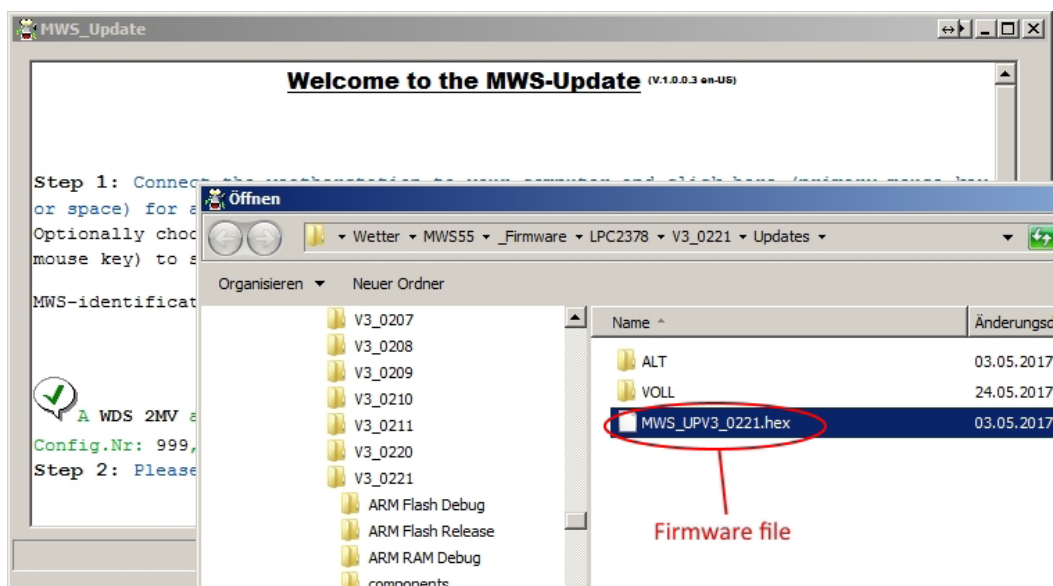
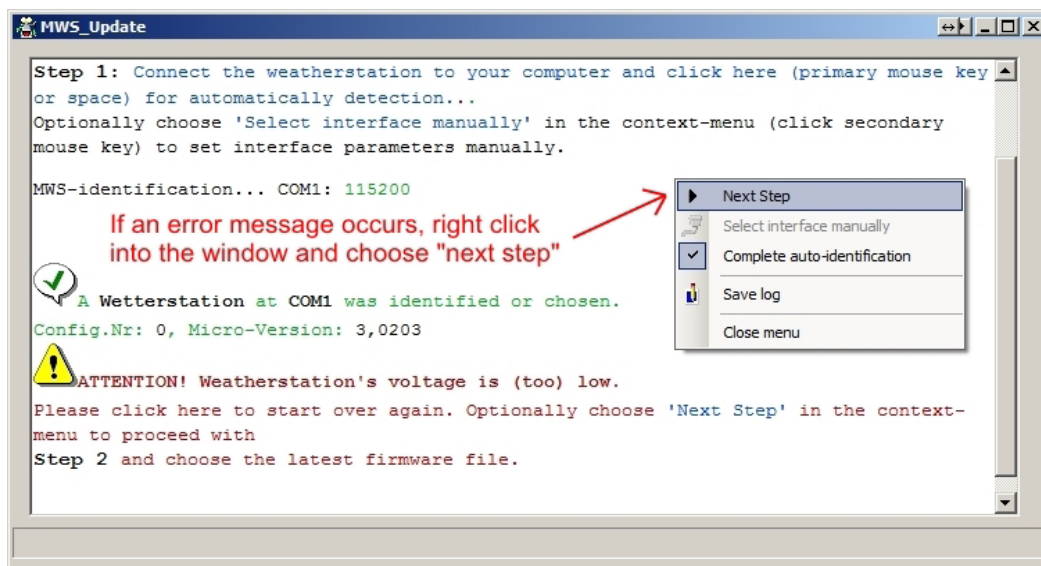
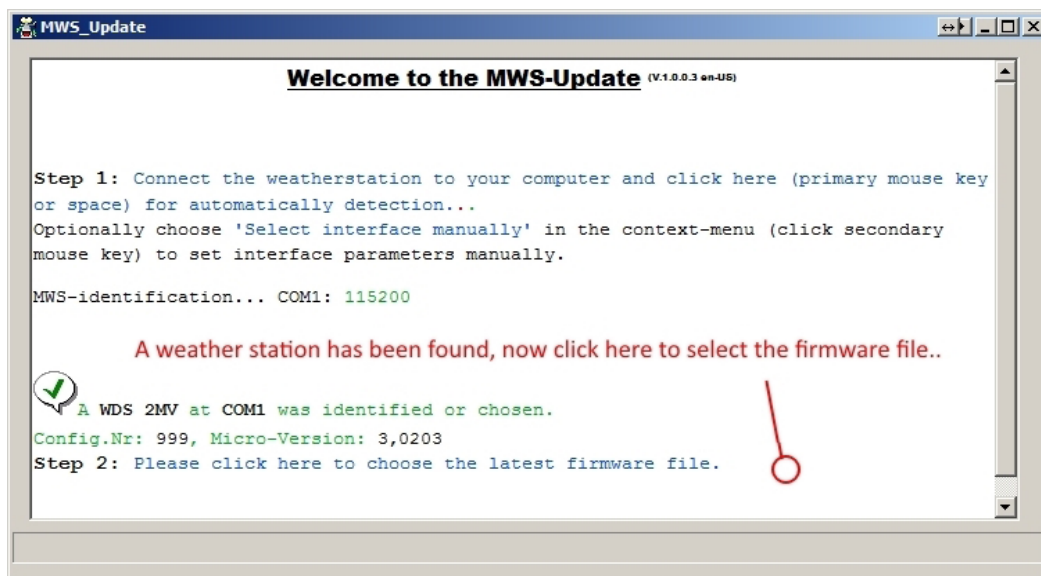
**CAUTION!**

During the update process the percentage display and the progress bar will pause a few times for some seconds. Please do not cancel the update process for otherways the firmware will be destroyed.

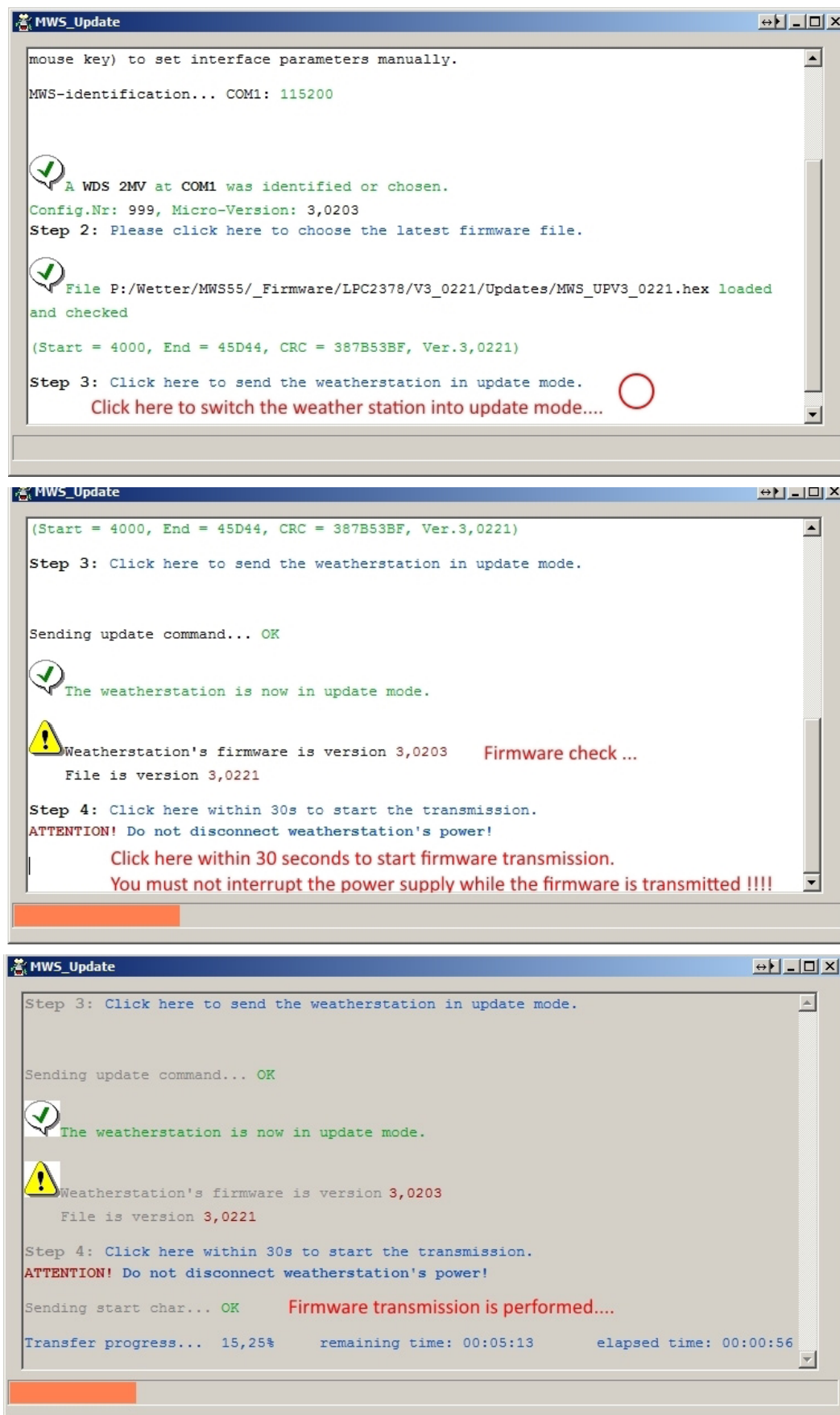
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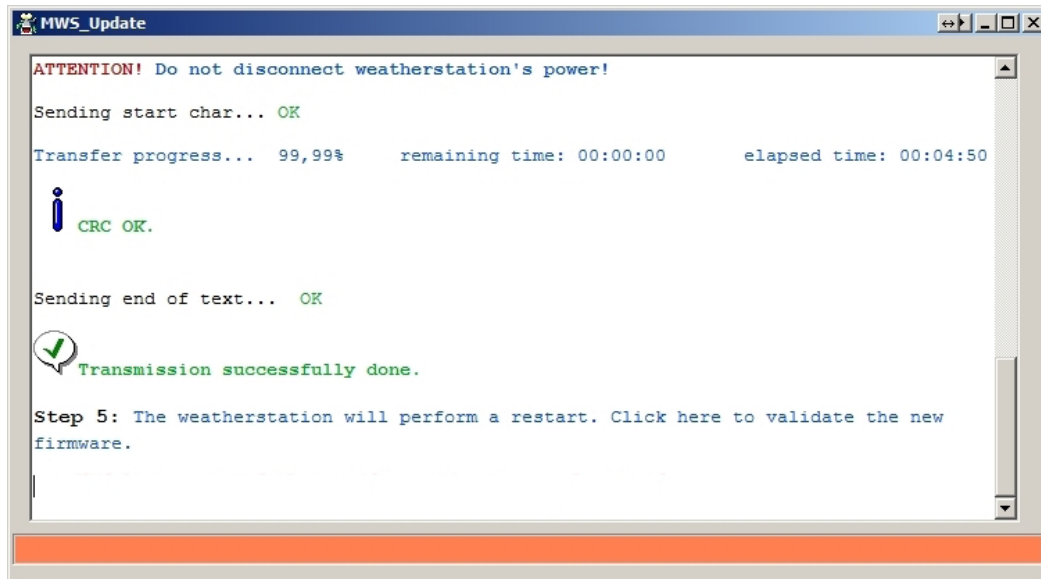


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*I&OE / Specifications subject to change without prior notice !*  
06/23