

**Mahr** | Digimar 817 CLT | Digimar 816 CLT

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# Updating Software and Firmware of Digimar 817CLT and 816 CLT

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# Updating Software and Firmware of Digimar 817 CLT and 816 CLT

- The new Height Gauge has a Software and a Firmware, both can be updated by the user
- Firmware is internally split in two different parts:
  - Firmware for Control Panel located on the Desktop PCBA
  - Firmware for stepping motor, measuring system,... located on the Control Unit PCBA
- Correction tables, article and serial number are stored in the Control Unit PCBA
- Software and Firmware can be updated independently
- A Software or Firmware update will **not delete** any correction tables!
- Always read the ***ChangeNotes*** first before making any update!
- Only start an update with the power adapter plugged in and a battery loaded >5%.  
If the power went off during the update process, Height Gauge might be damaged and needs to be send in for service.
- Make sure Control Panel and Height Gauge are connected properly!  
Otherwise, the update process may fail, and Height Gauge might be damaged and needs to be send in for service.

# Update Menu

- Located directly in the main menu
- Shows update files for
  - Software (top window, \*.817 or \*.816 file ending )
  - Firmware (bottom window, \*.817f or \*.816f file ending)
- Shows installed versions
- Starts update process

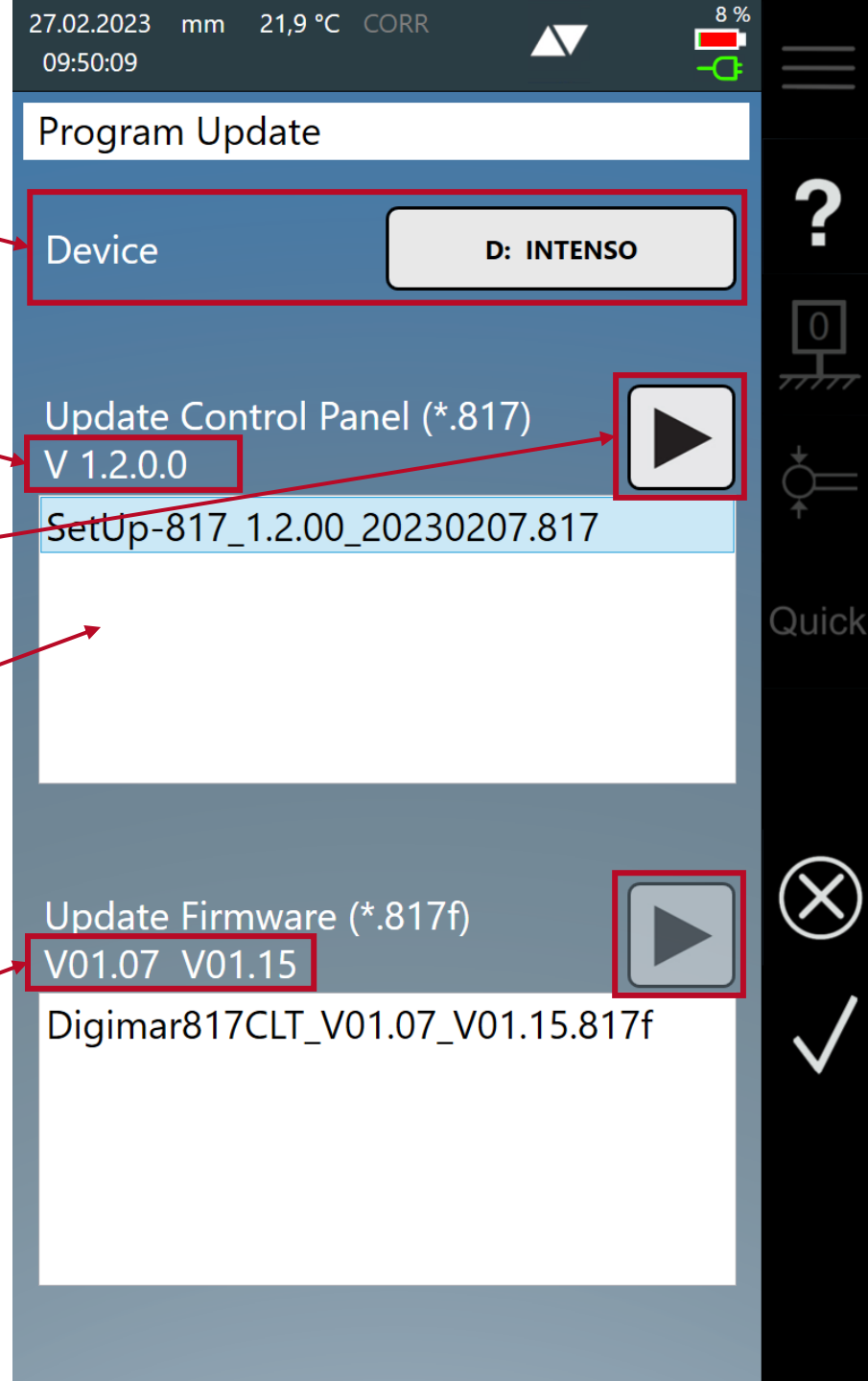
Selecting USB-Stick

Installed Version

"Start Update"  
Button

update files list

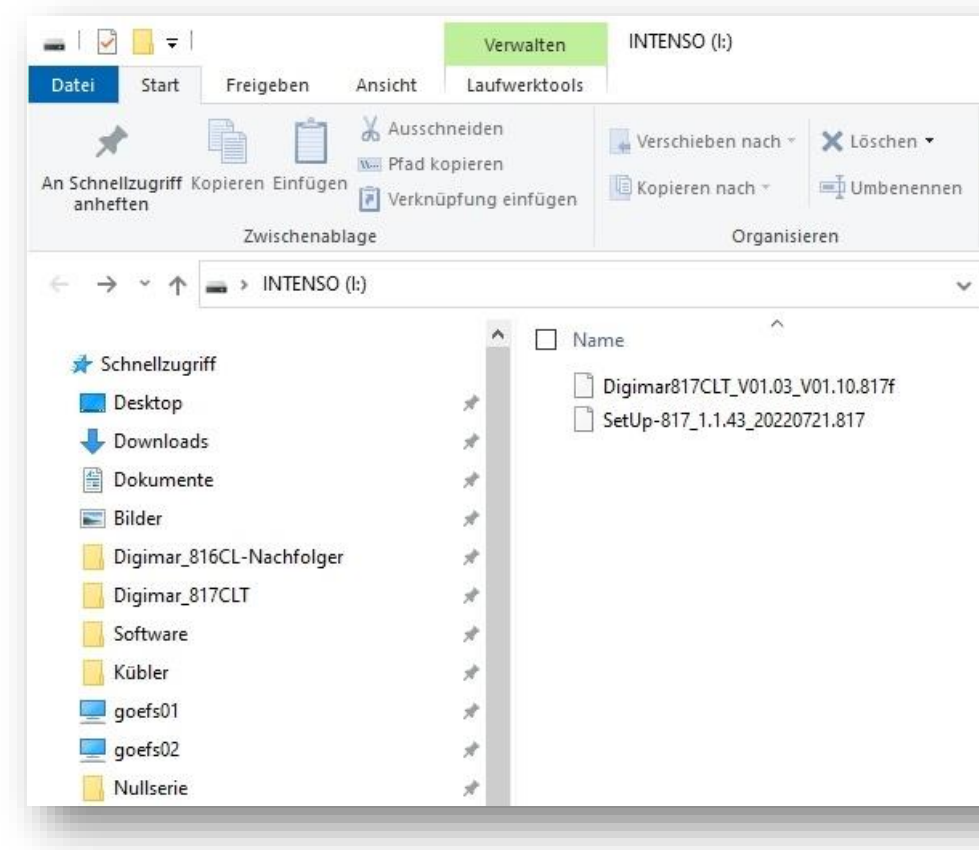
Installed Version  
(Control Unit PCBA and Desktop PCBA)




# Updating Preparations

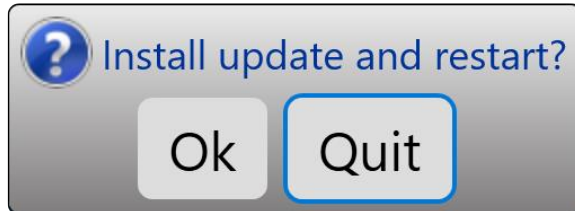
1. Download the latest version of Digimar software and firmware from [mahr.com](https://mahr.com)
2. Unpack the files and copy them onto an USB-Stick
3. Place USB-Stick in Height Gauge
4. Navigate to „Update“ menu
5. Select USB-Stick with files on it
6. Continue with Software or Firmware update

→Next page!

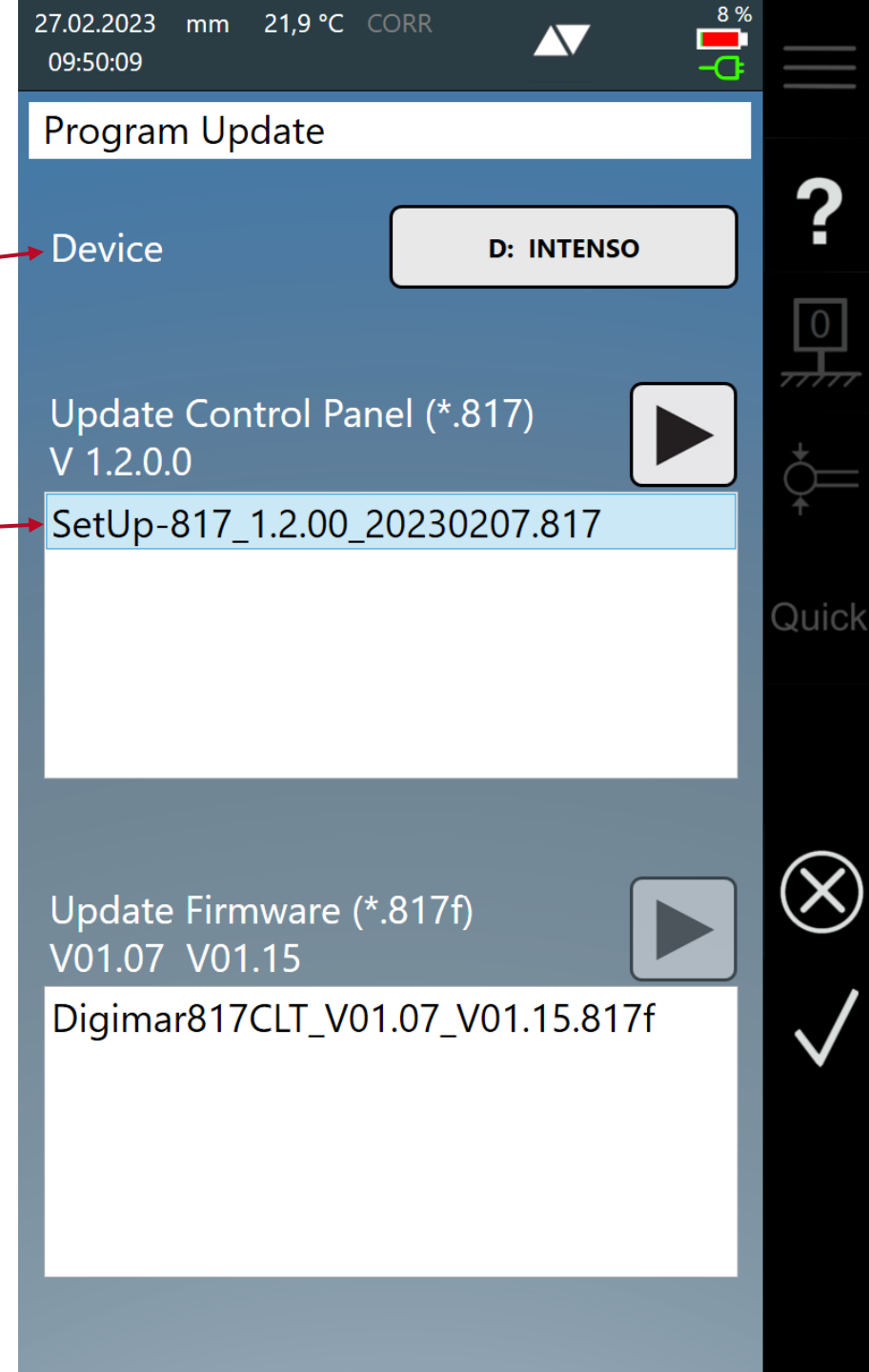


# Updating Software – Part 1

1. Select USB-Stick
2. Update files will show up in window „Update Control Panel (\*.817)“
3. Select newest version
4. Press  to start update
5. You will be asked “Install update and restart?”



6. Press “Ok” to continue.

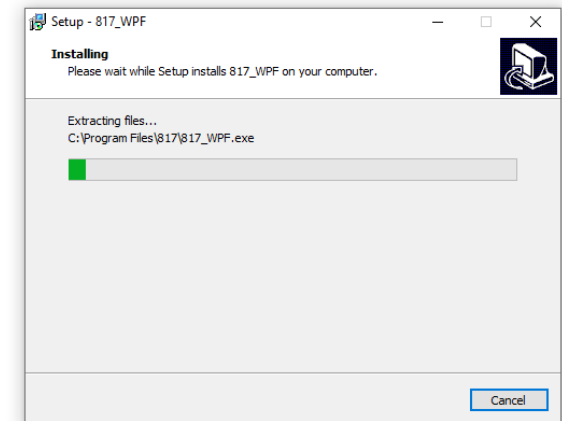


## Updating Software – Part 2


7. Software will close and a window will open. Press “Yes” to continue installation
8. Wait until installation is complete
9. Control Panel will restart after update automatically.

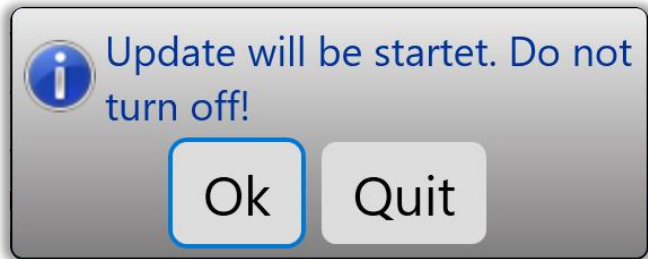
**Software Update done!**

**Mahr**

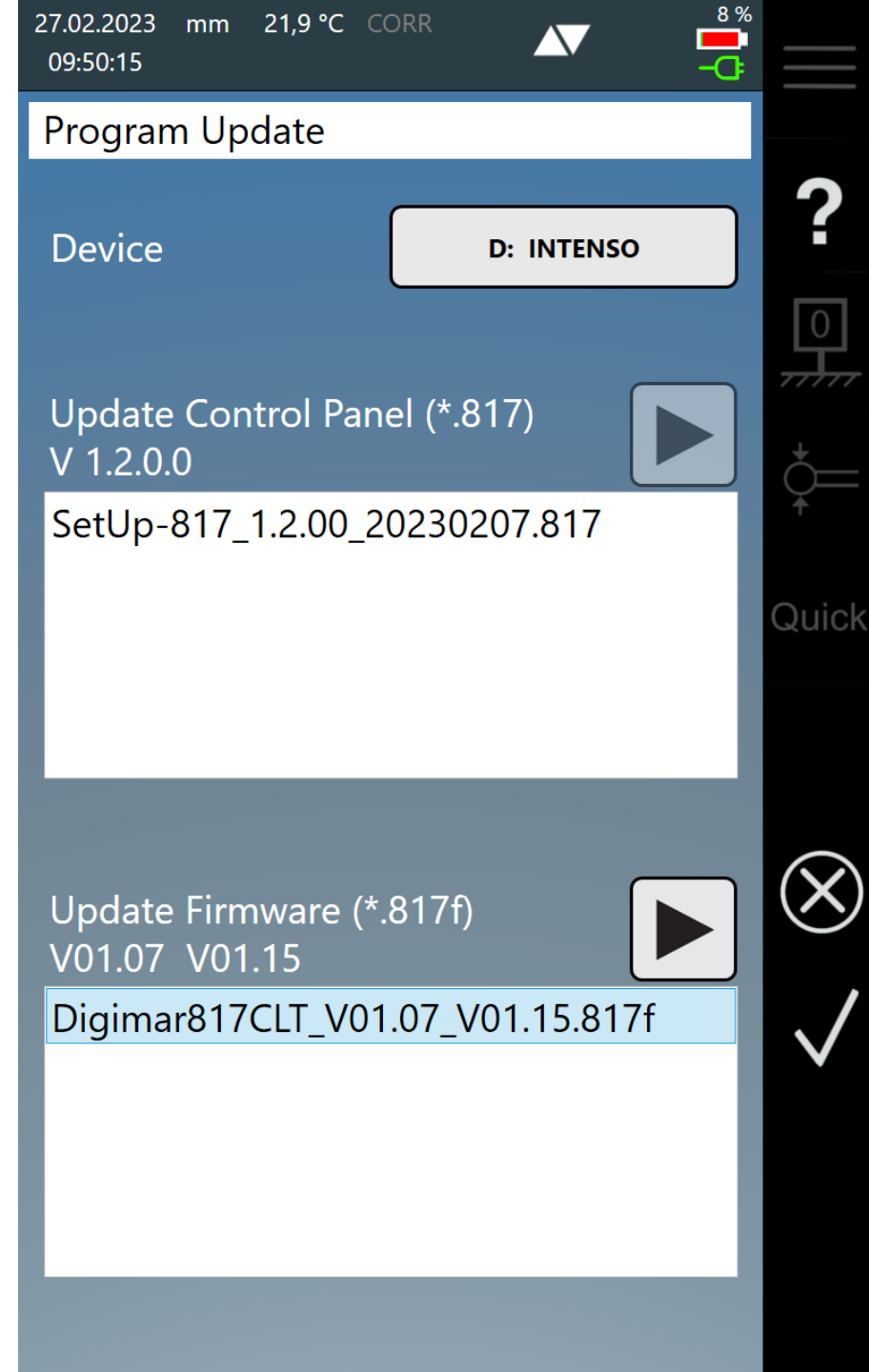


# Updating Firmware – Part 1

1. Select USB-Stick
2. Update files will show up in window „Update Firmware (\*.817f)“
3. Select newest version
4. Press  to start update
5. Warning appears: “Update will be started. Do not turn off!”
6. Press “Ok” to continue.

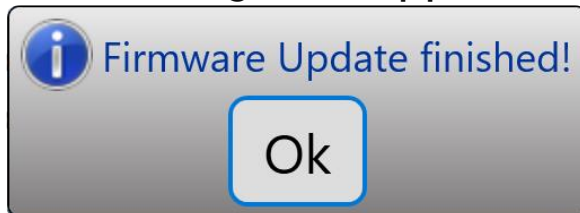


7. First part of firmware will be updated



## Updating Firmware – Part 2

7. First part of the firmware will be installed
8. First the connection with the PCBA will be reset (see top picture)
9. Then the update process will start (bottom picture)
10. When finished (progress bar complete) Height Gauge will make a reference drive (**Attention: Probe tip will be moving up and down!**)
11. Second part of Firmware will be installed immediately afterwards, repeating steps 8. and 9.
12. When finished (progress bar complete) Height Gauge will “beep” two times.
13. A message will appear “Firmware Update finished!”



14. Press “OK” and now you can continue your work!

**Firmware Update done!**

