




# Programming the Millimar C1200

v1.1 – 06.09.2016

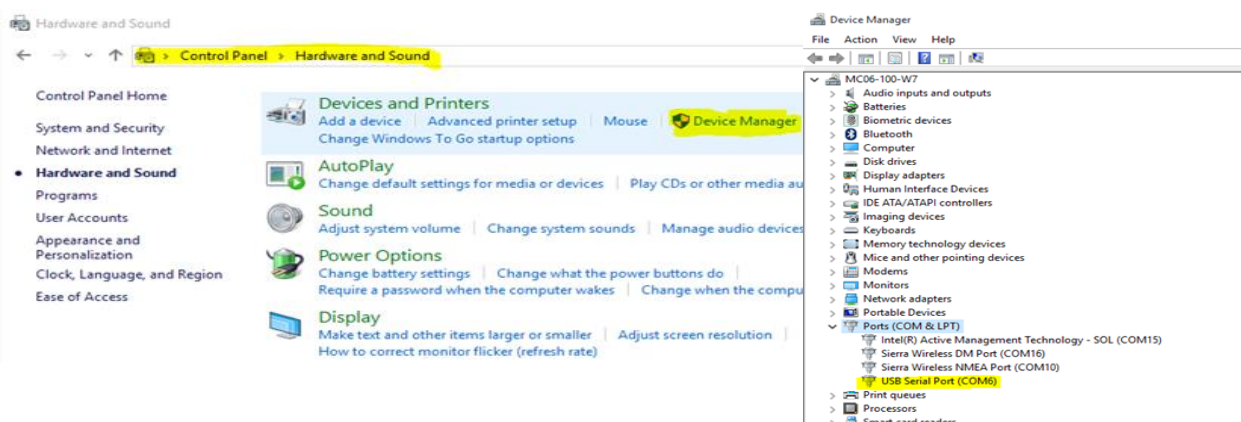
## Option 1 (No PCBA access needed)

### Tools

- C1200 7.5V Power supply (Order Nr. 4102060);
- Data cable 2000 usb (Order Nr. 4346023)
- C1200 Flasher software  C1200\_Flasher\_v1
- C1200 Firmware file  C1200\_13.hex
- The “resources” folder  resources

### Setup


- Power the Millimar C1200 using the Power supply. Please make sure that the instrument is switched off before you start the update process. (How to switch off the instrument see operating instructions of the C1200, point 2.9)
- Connect the Data cable between the Millimar C1200 and the PC and make sure the cable drivers are installed and the assigned COM port on the PC-side is known.
  - If COM port is not known, open the device-manager of your PC and look it up as follows:




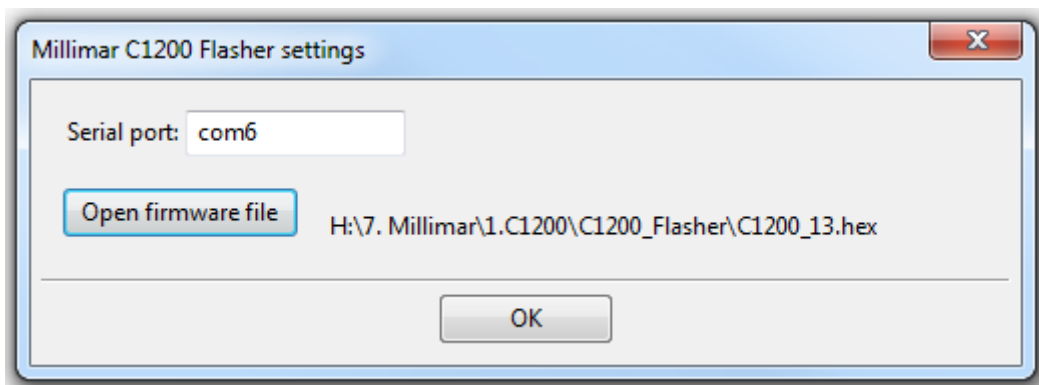
- Please ensure, whether you have an application or program running (e.g. MarCom Software or similar), which is already using the COM-Port of the data cable “2000 usb”. If so, please close this application before starting the update process.

## **Procedure**

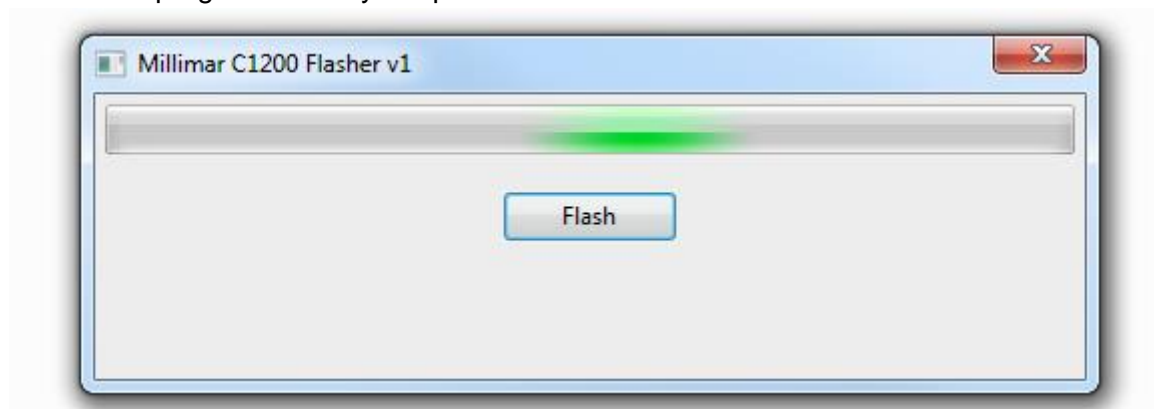
1.) Extract the required update files and save it to a locally folder on your PC. Please consider that the “resources” folder and the flasher software should have the same save location (path of the folder).

2.) Start the C1200 Flasher software  C1200\_Flasher\_v1 and choose the COM port that has been assigned to the Data cable. If COM port is not known, open the device-manager of your PC and look it up as mentioned on the page before

3.) Open the Firmware file  C1200\_13.hex on the path you have been saved it and press “OK”.



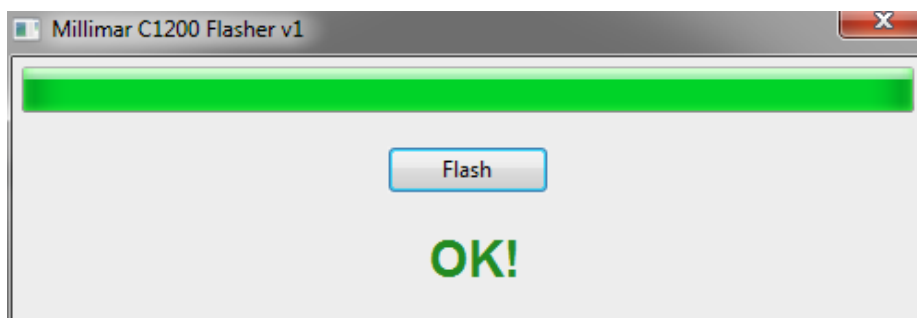
4.) Start the process by clicking “Flash”. The green bar is now moving quickly, it means that the flasher program is ready to update the software:



5.) Please make sure that the instrument is switched off before you start the update process. Press at first the rightmost button and immediately afterwards the leftmost button (power button) on the Millimar C1200 (see picture below);



6.) As soon as the green bar starts growing, you can release the rightmost button on the Millimar C1200. Keep the leftmost button pressed until the green bar reaches the end and the message “OK!” is shown. Now your instrument is updated with the new firmware version and you can close the application. The whole process should require about 4 minutes.



7.) In case an error happens and the programming is unsuccessful, you will see one of the following messages:

- **“Failed!”** – At some point the connection or power to the device was interrupted. Restart or repeat.
- **“No connection!”** – No connection established. Is the COM port correctly assigned and free?
- **“File missing!”** – The “resources” folder might be missing. Check your files.