

Emergency update for ProfiLux 3 & 3.1

If the update failed with ProfiLuxControl, then it is possible to carry out the update via a special tool.

Comments on the emergency update

As described in the user manual, the RS232 socket disposes of further signals (e.g. for ProfiLux View II). Therefore exists a special PC-connection cable ProfiLux-Ser for the RS232 interface, in order that no interferences or defects occur through the additional signals.

If a RS232-to-USB adapter shall be connected to the RS232 of ProfiLux, then also here the special connection cable for RS232 ProfiLux-Ser has to be used in between (due to the additional signals).

The emergency flashing is **only** possible via the built-in RS232. Here you have to use the PC-connection cable ProfiLux-Ser.

You can also use a RS232-to-USB adapter together with the cable ProfiLux-Ser.

For ProfiLux **3.1** (ProfiLux 3.1N, ProfiLux3.1N eX, ProfiLux 3.1A or ProfiLux 3.1A eX) it is newly possible to carry out the emergency flashing also via the built-in USB port. But you have to open the housing of ProfiLux and a jumper has to be put on JP1. The update works then only with the Reset-key (near JP1). You recognize ProfiLux 3.1 by the colored sockets (yellow and red) at the rear.

Example: ProfiLux 3.1N eX



Example: ProfiLux 3 eX



Update via RS232 (or with RS232-to-USB adapter) for ProfiLux3 and ProfiLux3.1

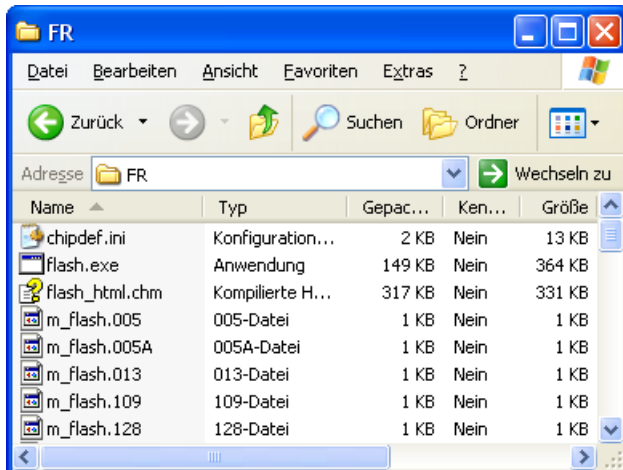
For the update, you don't need to open ProfiLux.

Download the flasher-tool „Flash-FR.zip“ here

<http://support.aquariumcomputer.com/english/download.php?did=48>

Unzip the complete content of the file at a place that you can find later easily.

For the tool there is no installation necessary and can be carried out directly.



Remove the power supply at ProfiLux.

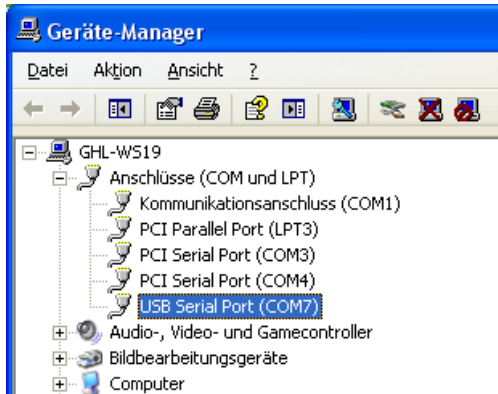
Connect the RS232-cable ProfiLux-Ser at the built-in RS232 port of ProfiLux and the RS232 interface at your PC.

Start the Windows device manager and open the entry „Connections (COM and LPT)“. Here you see different communication ports. The RS232 interface of the PC is mostly the first COM-port, here e.g. COM1.

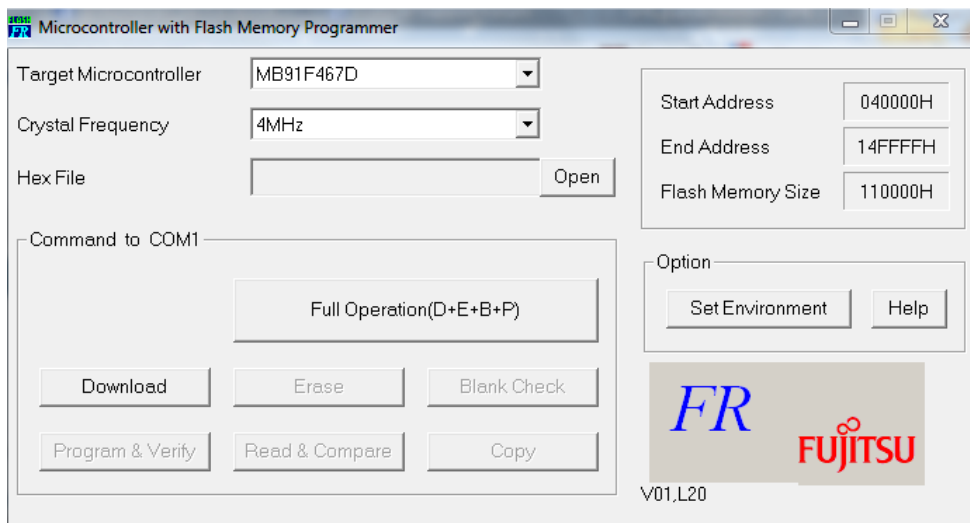


If you use a RS232-to-USB adapter:

If you want to carry out the update via a RS232-to-USB adapter, you have to connect the RS232 cable ProfiLux-Ser to the built-in RS232 port of ProfiLux. At the other end of the RS232 cable you have to connect the RS232-to-USB adapter. The USB connection of the RS232-to-USB adapter has to be connected to a free USB port of the PC. Then under „Connections (COM and LPT)“ a new entry will show up „USB Serial Port“ – this is the interface of the RS232-to-USB adapter. If necessary you will have to install first the USB driver of the RS232-to-USB adapter.



Start „flash.exe“.



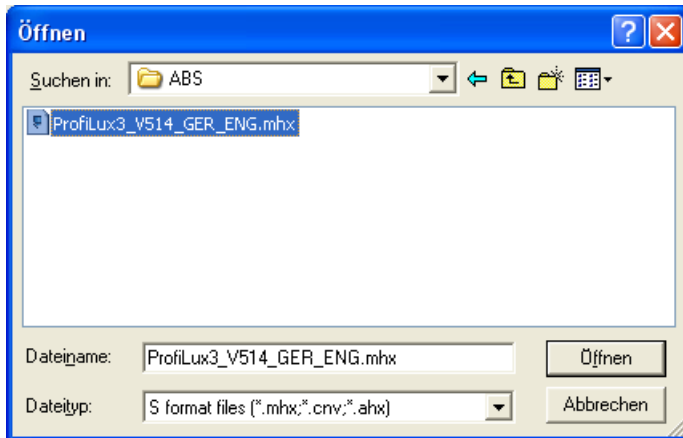
Make the following settings in the tool and pay attention to the correct spelling:

Target Microcontroller: **"MB91F467D"**

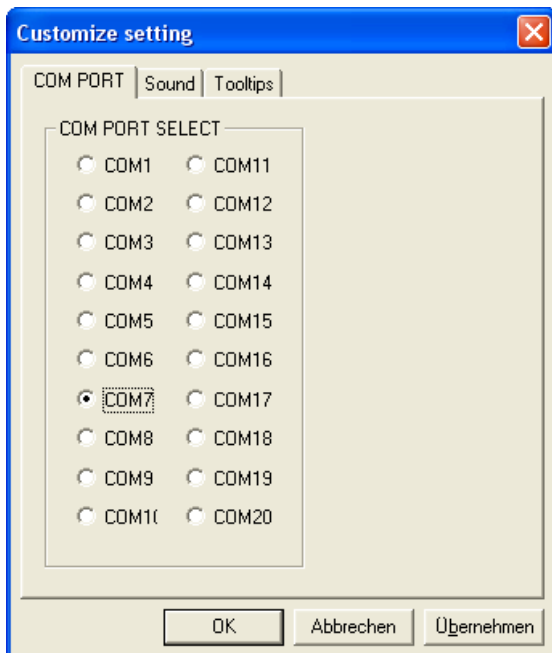
Crystal Frequency: **"4MHz"**

Load the firmware file for ProfiLux by clicking on „Open“, navigate to the firmware file and select it. The file name of the firmware begins with „ProfiLux3_“ and ends with „.mhx“, e.g. ProfiLux3_V515_GER_ENG.mhx

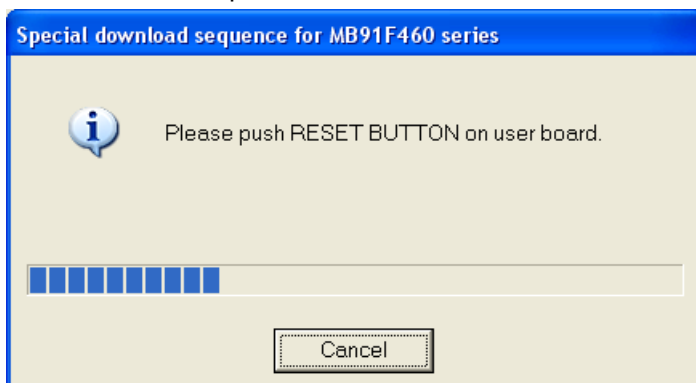
If there is only one file with the ending „.zip“ available, then you have to unzip the firmware first.



Set the interface of ProfiLux under „Set Environment“.



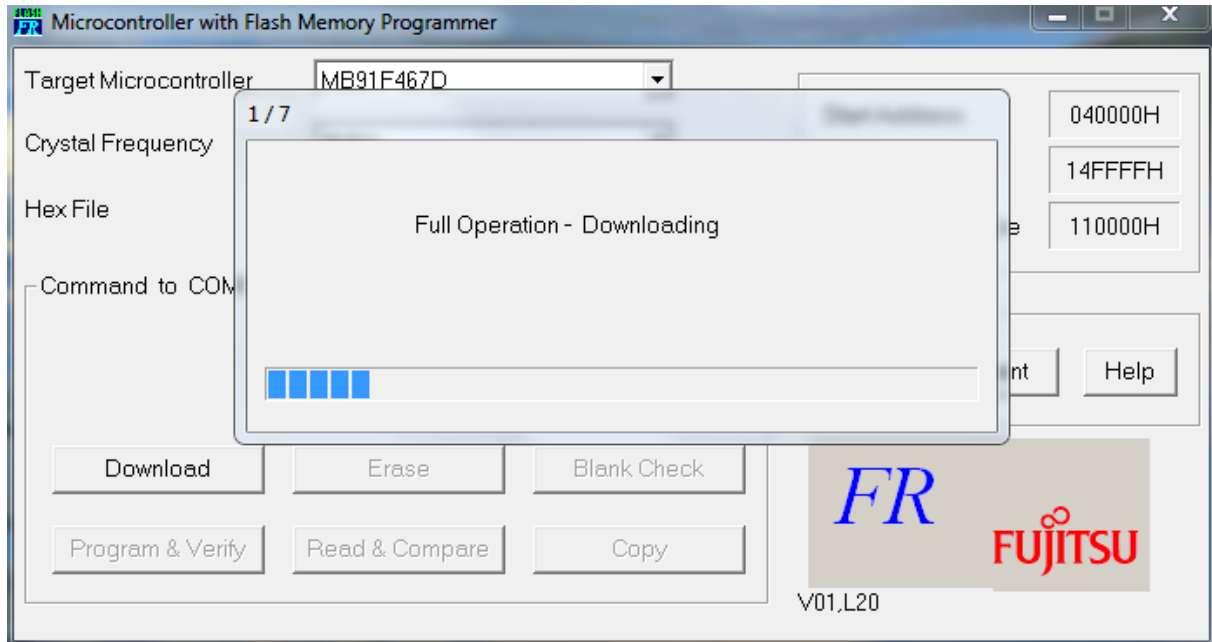
Now click on "full operation" and the download window will show up.



Now connect ProfiLux again with power and the download should start.

If this shouldn't be the case, then most likely the false interface had been selected under „Set Environment“.

When the power supply has been established by plugging in the DC plug, you have to do this quickly in order that the update process is not started too early and then stopped again. In this case simply remove the power supply of ProfiLux, confirm the window with the message and try once again the procedure with "full operation".



When the download has been finished successfully, then confirm the message with OK and quit the flasher (close program).

After the update has been finished, the power supply at ProfiLux can be removed again.

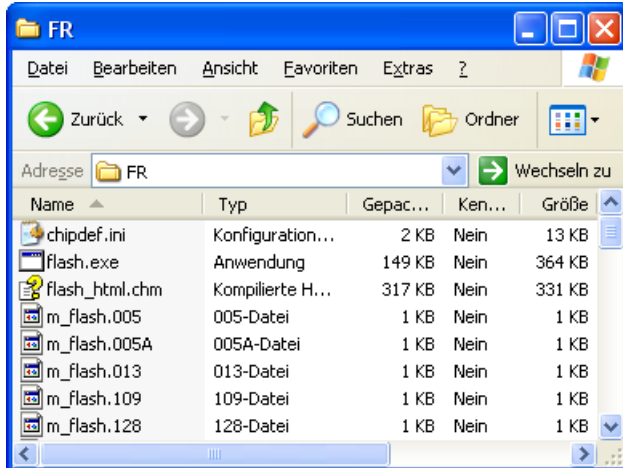
Now the ProfiLux should start again normally!

Update via USB for ProfiLux3.1

Download the flasher-tool „Flash-FR.zip“ here

<http://support.aquariumcomputer.com/english/download.php?did=48>

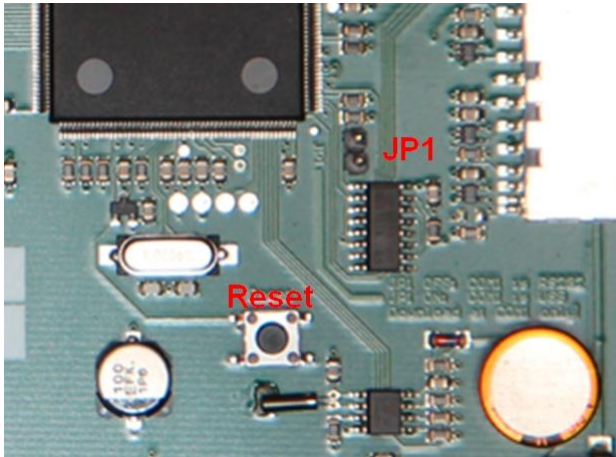
Unzip the complete content of the file at a place that you can find later easily.
For the tool there is no installation necessary and can be carried out directly.



Remove the power supply at ProfiLux.

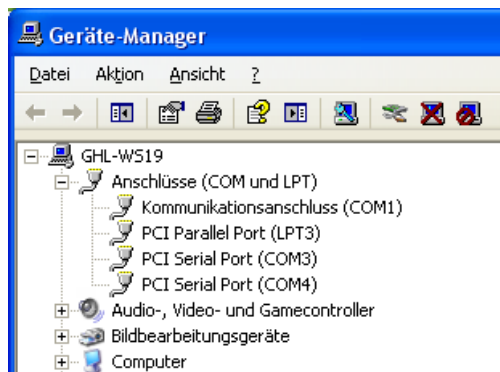
Open the ProfiLux housing as described in the user manual.

Put the jumper on both pins of JP1.

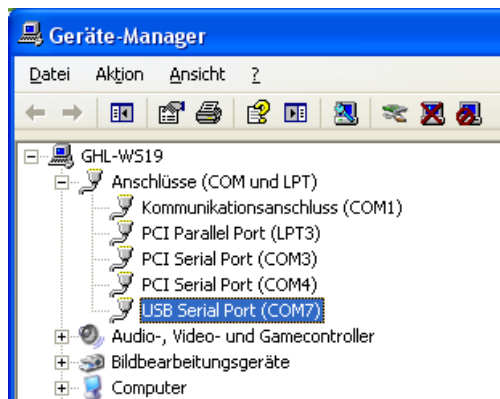


Connect the USB cable to the built-in USB port of ProfiLux and a free USB port of your PC.

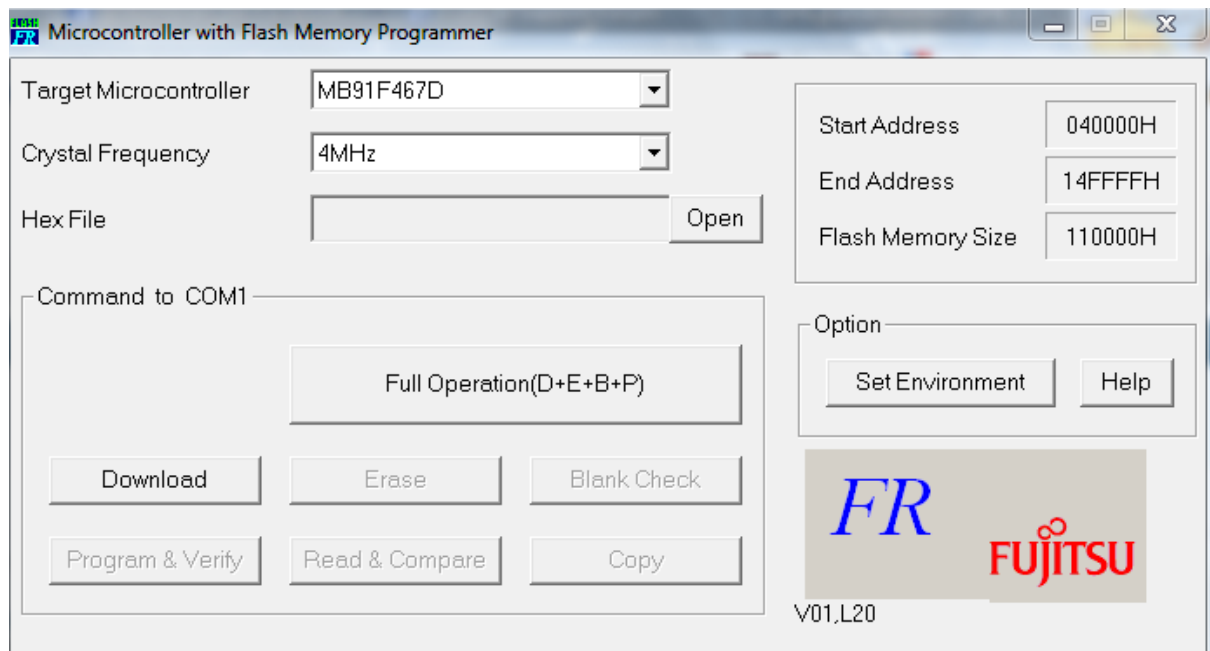
Start the Windows device manager and open the entry „Connections (COM and LPT)“. Here you see different communication ports.



Establish the power supply of ProfiLux again. Under „Connections (COM and LPT)“ a new entry shows up „USB Serial Port“ – this is the interface of ProfiLux. If necessary you have to install the USB driver first.



Start „flash.exe“.



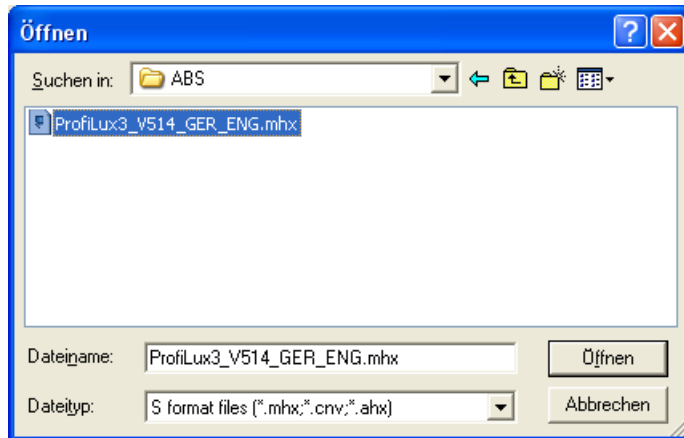
Make the following settings and pay attention to the correct spelling:

Target Microcontroller: **"MB91F467D"**

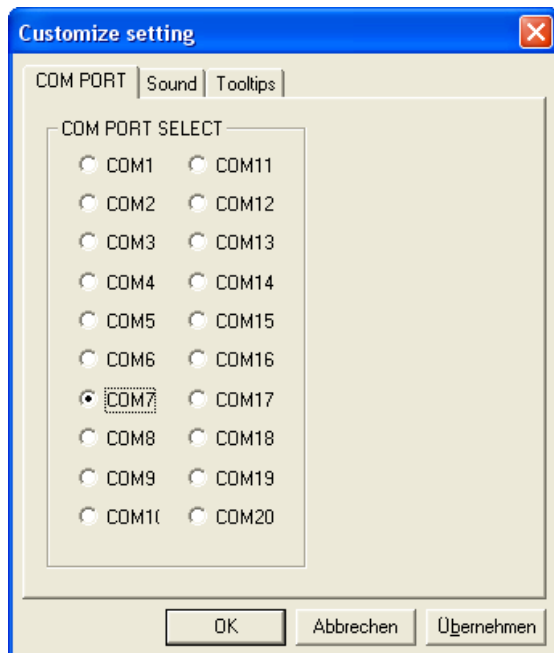
Crystal Frequency: **"4MHz"**

Load the firmware-file for ProfiLux by clicking onto „Open“, navigate to the firmware-file and select it. The file name of the firmware starts with „ProfiLux3_“ and ends with „.mhx“, e.g. ProfiLux3_V515_GER_ENG.mhx

If only one file with ending „.zip“ is available, you have to unzip the firmware first.



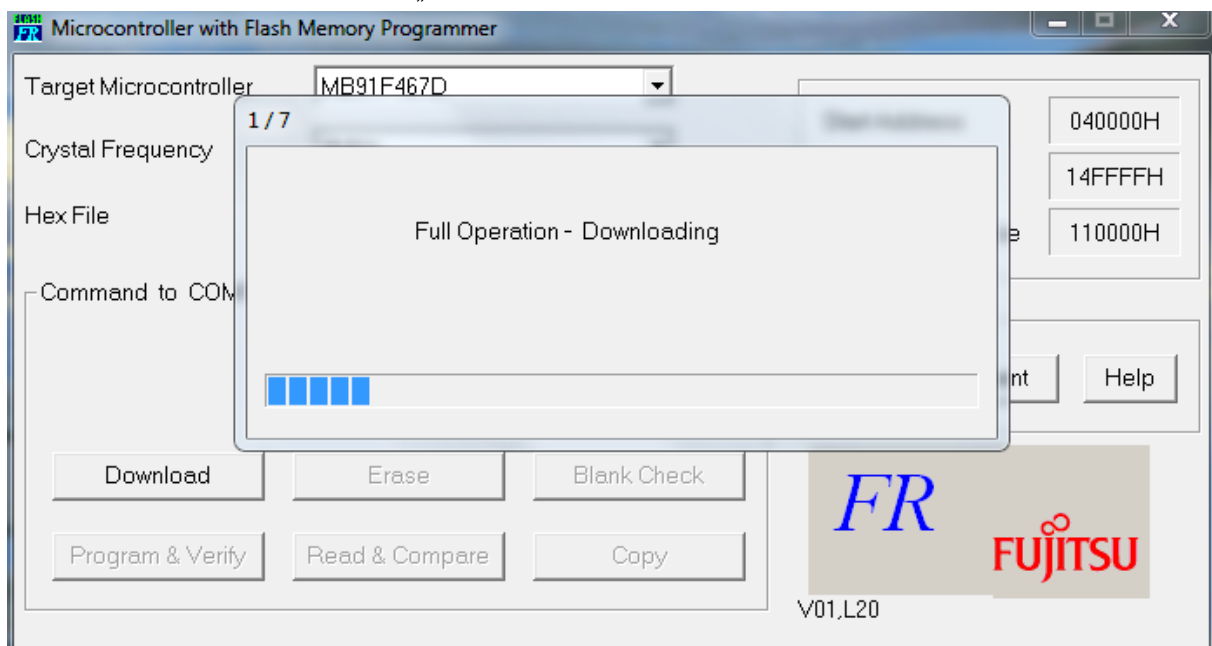
Set the interface of ProfiLux under „Set Environment“.



Now click on "full operation", the download window will show up.



Press the reset key shortly and the download should start. If this is not the case, most likely the false interface has been selected under „Set Environment“.



If the download has been finished successfully, then confirm the message with OK and quit the flasher again (close program).

After the update has been finished, remove the power supply at ProfiLux and the jumper from JP1 again (it is also sufficient to put the jumper only on one contact pin).

Now ProfiLux should start again normally and the housing of ProfiLux can be closed again!