

# SPECTRO-3 series

## Instructions for updating the firmware from SPECTRO3 V3.x to SPECTRO3 V4.x

The SPECTRO3 V4.x firmware features a faster and more efficient interface protocol that greatly differs from the interface protocol of version 3.x.

EEPROM data that were stored with version 3.x therefore cannot be simply and completely saved in the firmware update with the FirmwareLoader V1.0.

However, it is still possible to first save the important EEPROM data and to restore them again at a later time.

This should always be done, because the temperature compensation data are saved in the EEPROM.

**IMPORTANT!** Unfortunately it is not possible to restore the **TEACH TABLE** in its previous form. This means that when the update has been completed the colors must be taught anew.

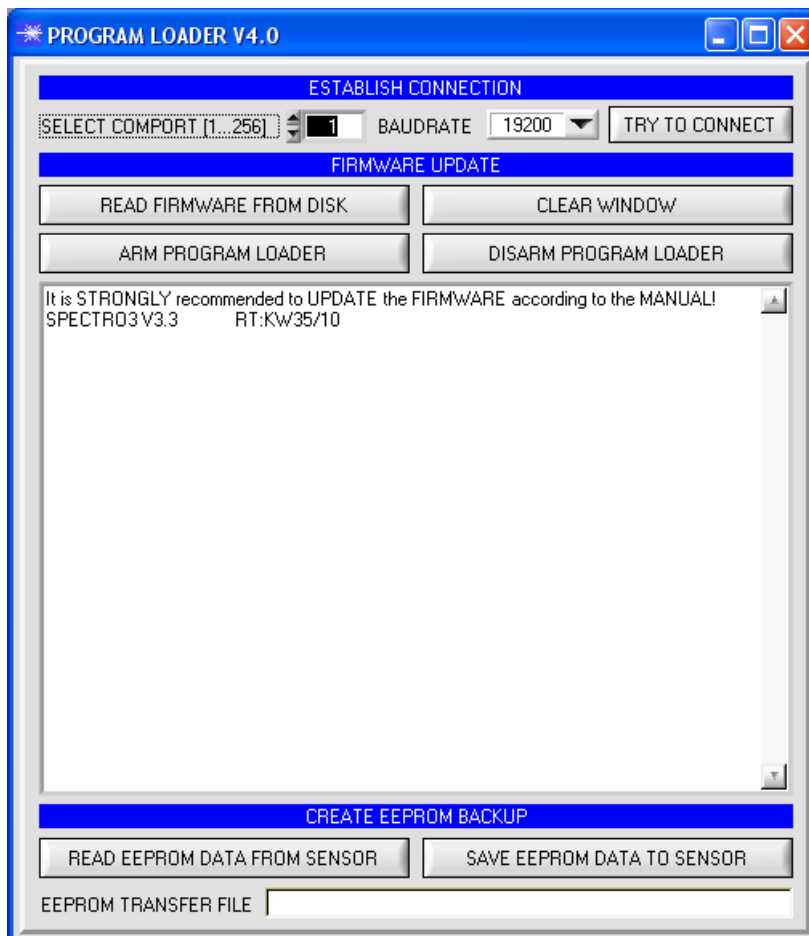
Please follow the individual steps described below to perform the firmware update.

### Step 1:

Start the **ProgramLoader V4.0**.

Set the correct COMPORT and click on **TRY TO CONNECT**.

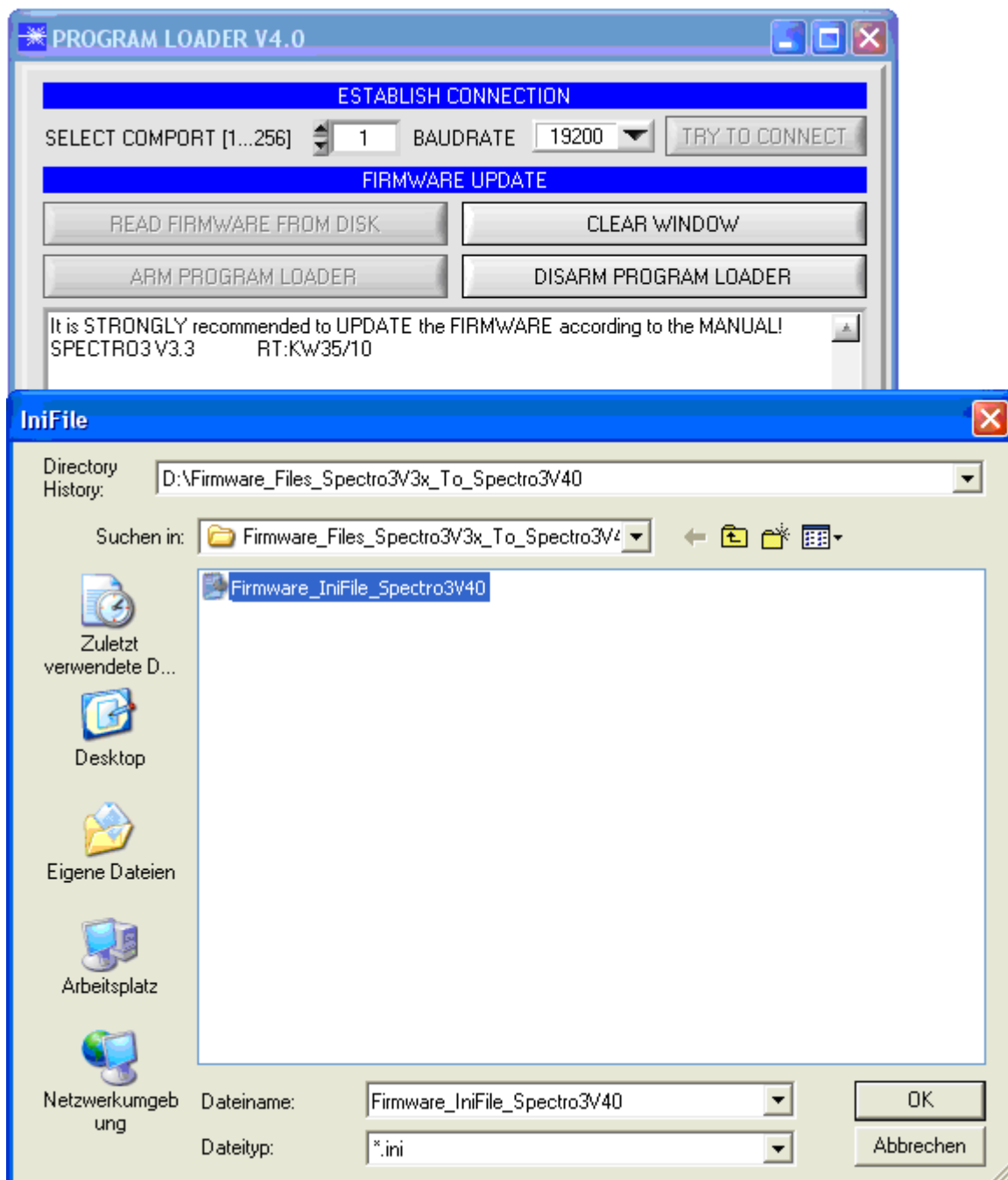
The firmware string "SPECTRO3 V3.x RT:KWxx/xx" should be displayed.



**Step 2:**

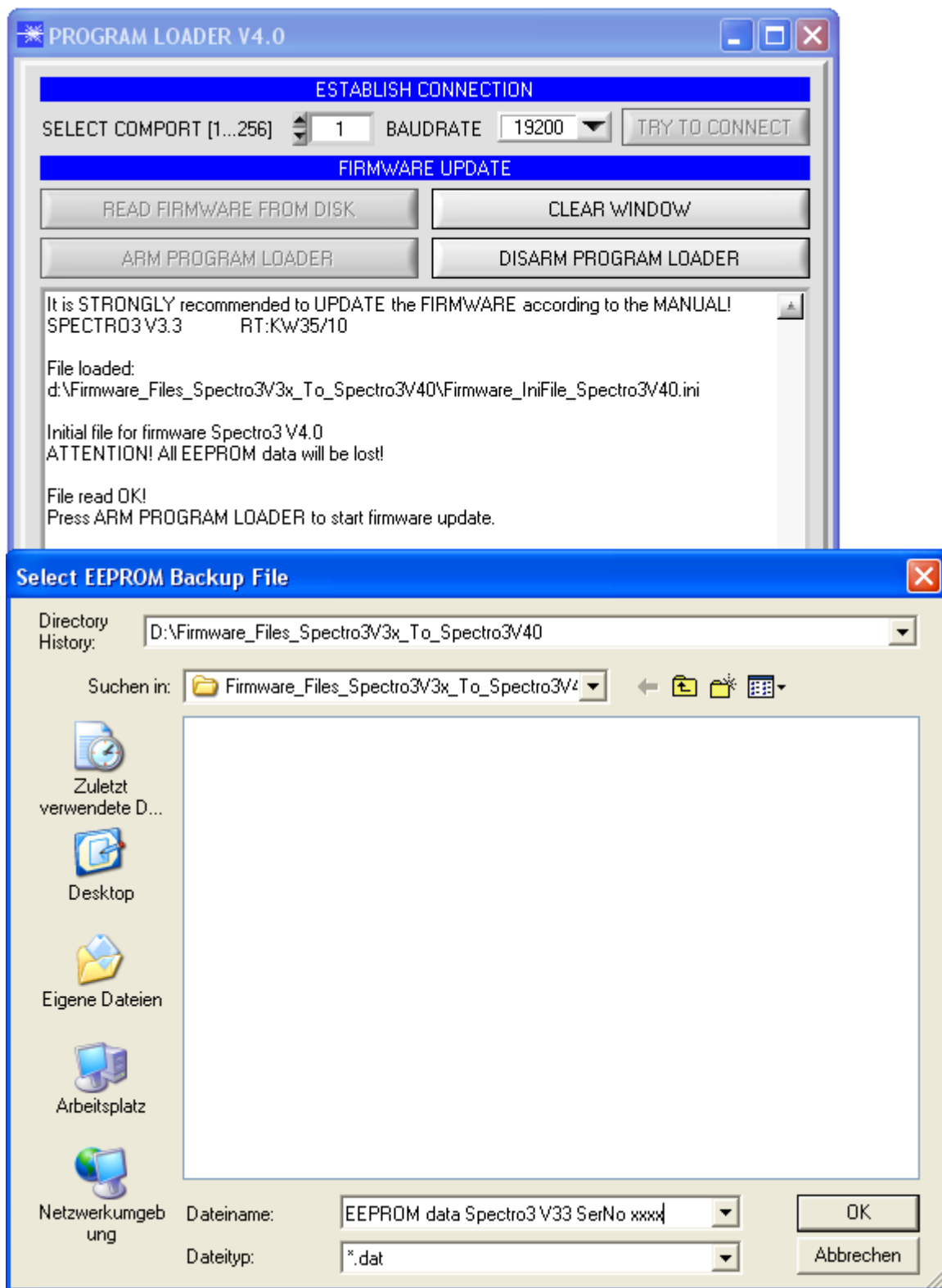
Click on **READ FIRMWARE FROM DISK** to open the "Firmware\_IniFile\_Spectro3V4x" file.

**!!! On no account click on ARM PROGRAM LOADER here !!!**



### Step 3:

Click on **READ EEPROM DATA FROM SENSOR** to save the data stored in the EEPROM to your hard disk. It would be appropriate to use a file name that contains the sensor's serial number.



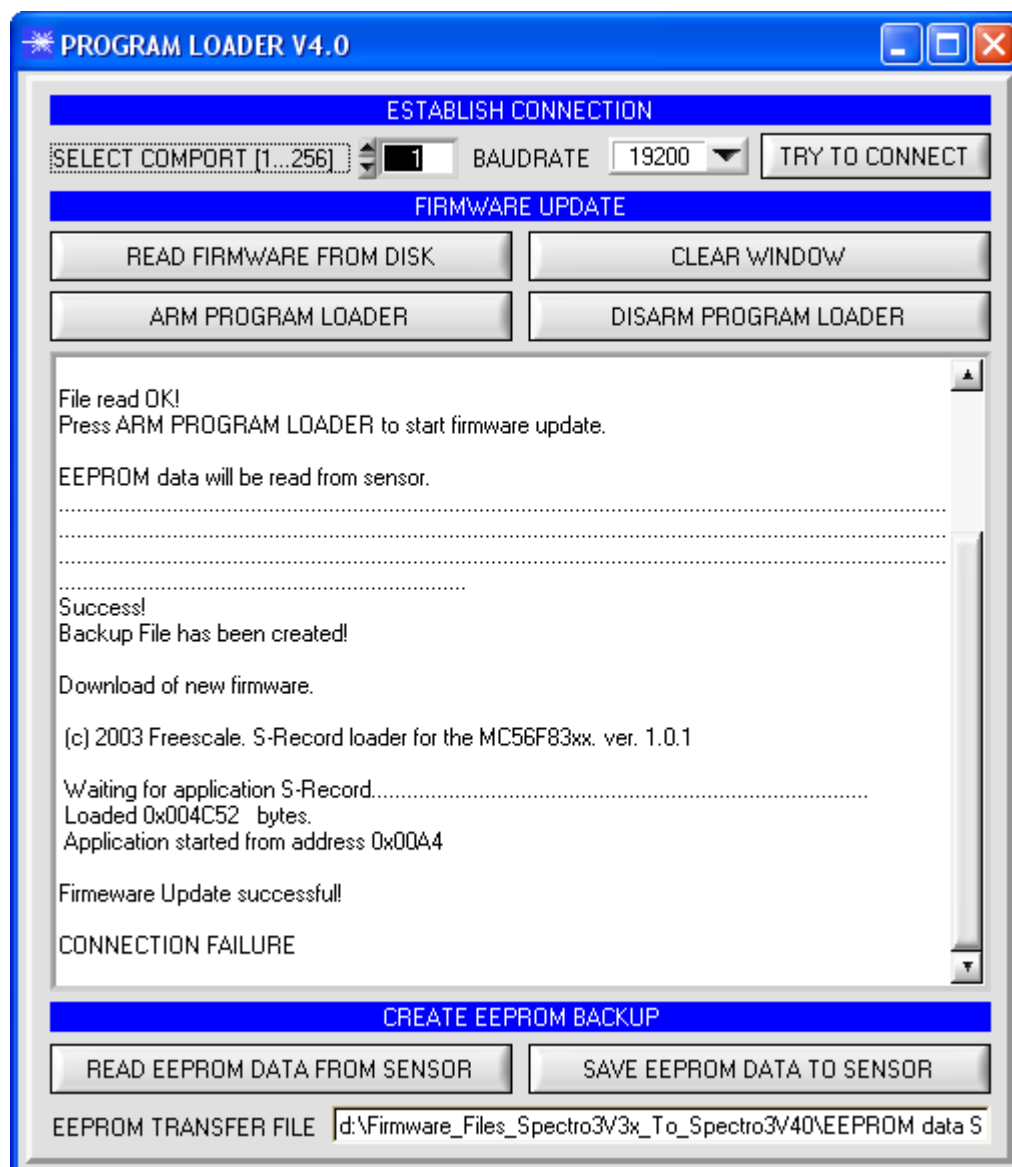
#### Step 4:

When you have successfully saved the EEPROM to your hard disk you can start the firmware upgrade process.

**!!! Click on ARM PROGRAM LOADER now !!!**

The new firmware will then be installed.

The software will display a **CONNECTION FAILURE** because the PogramLoader V4.0 does not support the new interface protocol.

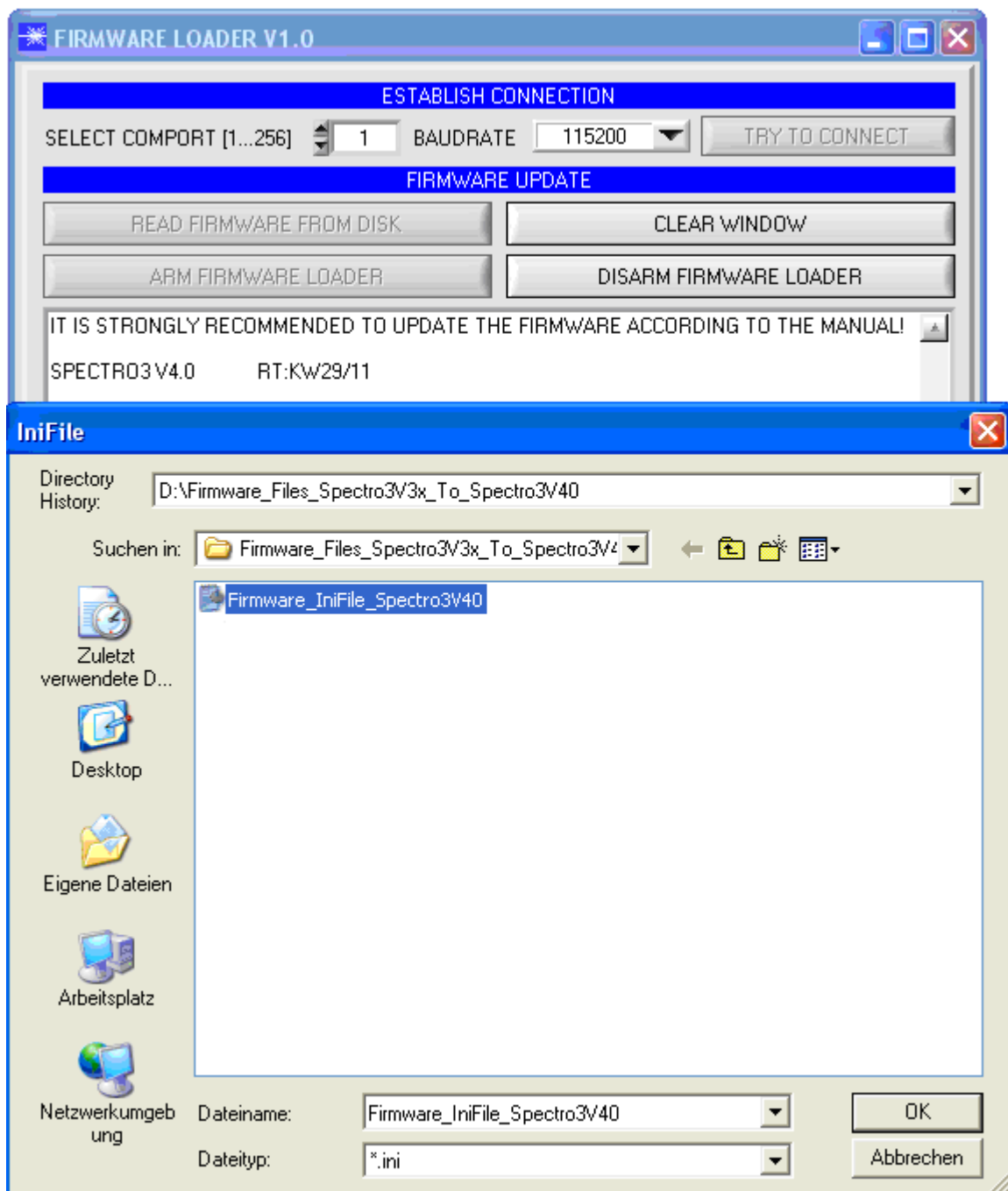


**Step 5:**

Now start the FirmwareLoader V1.0 and establish a connection by clicking on **TRY TO CONNECT**.

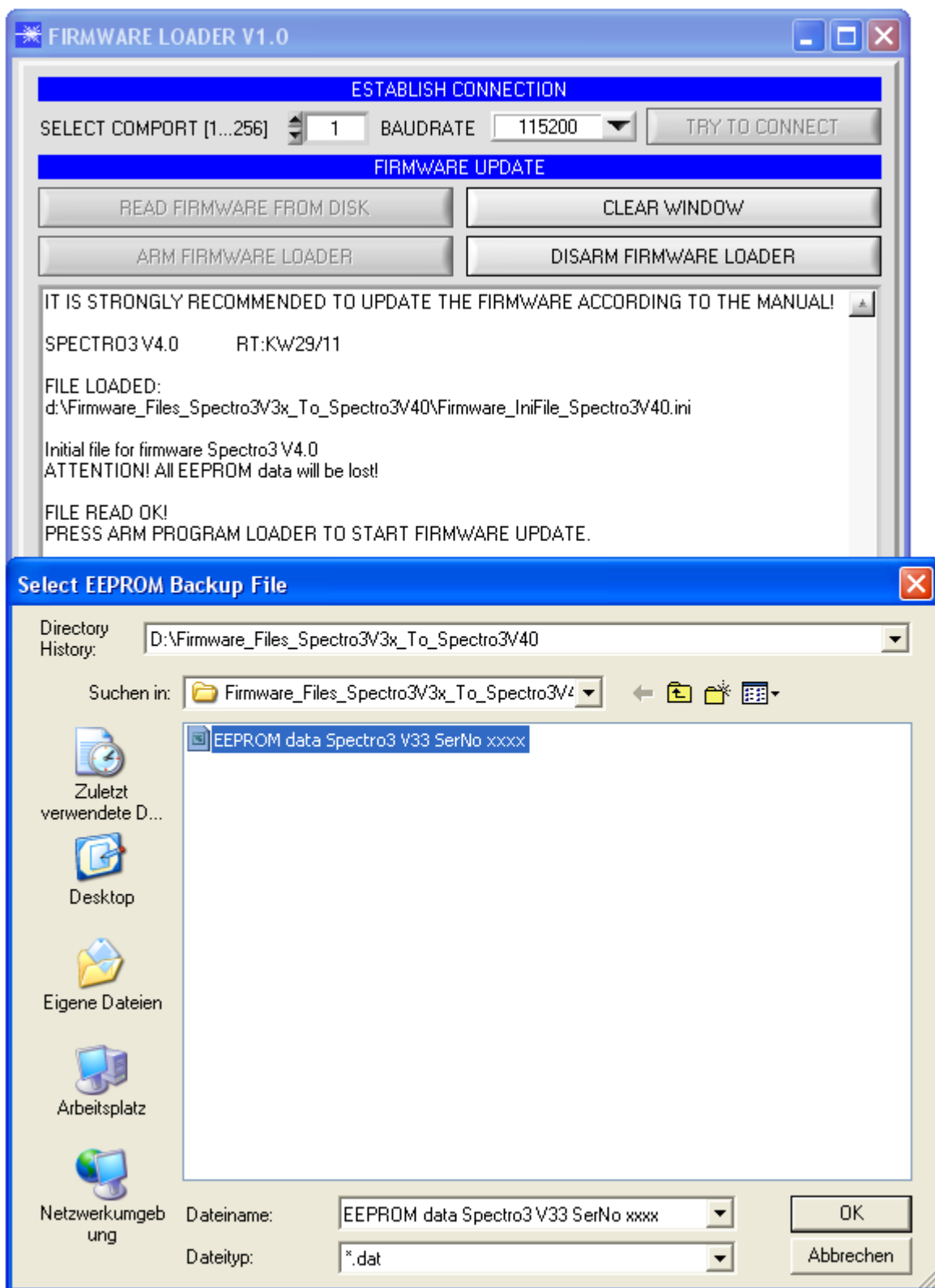
Click on **READ FIRMWARE FROM DISK** to load the "Firmware\_IniFile\_Spectro3V4x" file.

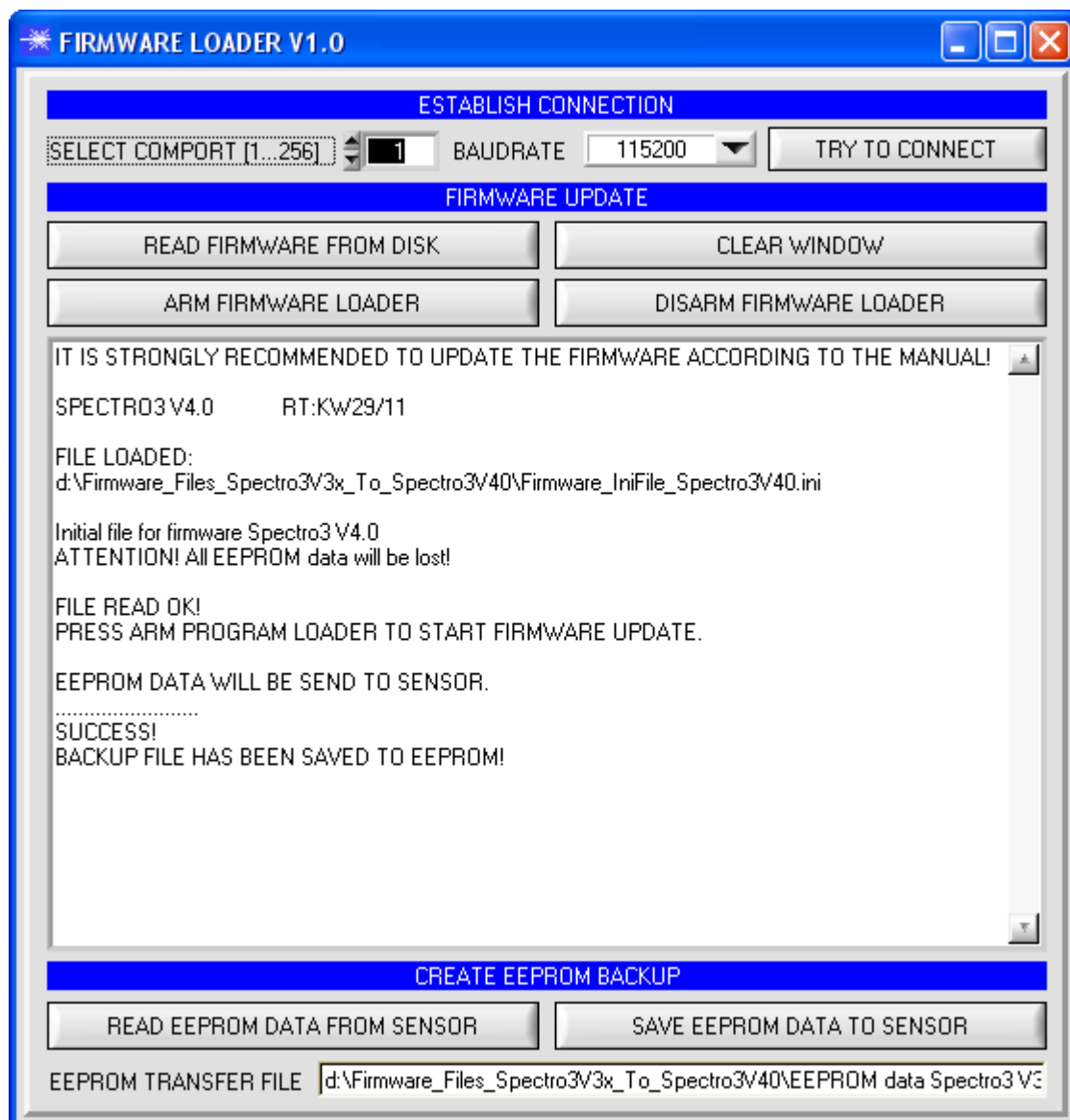
**!!! On no account click on ARM PROGRAM LOADER here !!!**



**Step 6:**

Click on **SAVE EEPROM DATA TO SENSOR** to now write the previously saved EEPROM data to the sensor again.





### ATTENTION!

If a connection to the sensor cannot be established immediately after the software update, please check whether you have selected the correct **BAUDRATE**.

The new version attempts to establish a connection with 115200 Baud.

If a different baudrate was used before, the baudrate must be correspondingly set.