Changing NDA Display Firmware via BootLoader SW

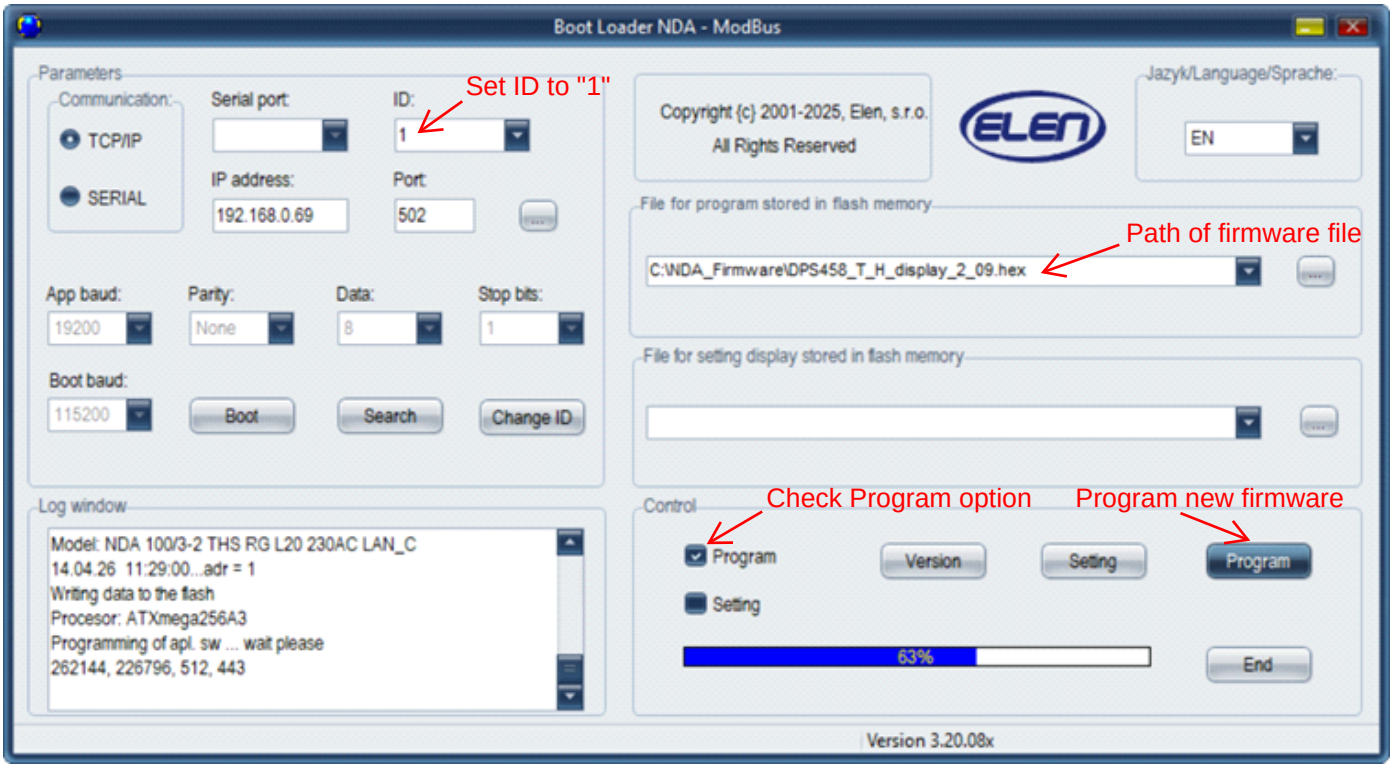
version with LAN interface

The following procedure describes how to reprogram NDA display with a new firmware.

BootLoader is a PC software tool, which allows to upload new firmware into displays in case of firmware updates, parameter changes, debugging, etc. The BootLoader software can be started by executing the **BootLoader_ver_3_20.08x.exe** file from the BootLoader folder.

Procedure for programming the NDA display:

1. Connect the NDA display to a LAN network and apply power.
   PC with the BootLoader software must be on the same LAN network (same subnet).
   Preferably on the same hub or switch as the NDA display.
2. Run the **BootLoader_ver_3_20.08x.exe** file to start the Boot Loader application.
   Change the language selection to EN for English if the application is not set to this option when running the software for the first time.
3. Select **TCP/IP Communication** in the Parameters section.
4. Enter current **IP address** of your NDA display. Factory default IP address: 192.168.0.69
5. Enter **Port** number. Default port number is: **502** (for Modbus TCP).
6. Set **ID:** number to "**1**" . (If there is "127" by default, change it to "1").
7. Set the file path for the new firmware.
   e.g. "**C:\NDA_Firmware\firmware_file.hex**" by clicking the open "**...**" button.
8. Set internal CPU Address RS485: to "**1**" . (If there is "127" by default, change it to "1").
9. **Check** the "**Program**" option only.
10. Click "**Program**" to program the display. You can see the programming progress in the status bar. All other parameters are set properly at start-up, do not change them.



* You can verify the firmware version in your display by clicking the "Version" button.