

UPGRADING INSTRUCTIONS FOR THE VMB SHOWLIFT 4/55

What you need

- Any standard USB-A male to micro USB-B male cable (Like the one used for Android cellphones)
- A PC running Windows 10
- The Software upgrade tool "SL455_upgrade"
- A 3mm Allen key

Prepare your PC

1. Unzip the attached file "SL455_upgrade.zip" to any place on your PC.
2. Choose a place with a short path name. Your root system disc -C:\ or your Desktop-C:\users\username\desktop\ would be OK.
3. The unzipping process will create a folder named "SL455_upgrade" and will copy a set of files to that directory.
4. The software doesn't require any installation.

Prepare your Tower

1. Remove power from the tower (There is no need for external power during the upgrade process)
2. Remove the screws that fix the "Electronic control box" to the "Tower basement"
3. Extract the "Electronic control box" just enough to gain access to the screws on both sides of the box that fix the front panel to the box itself.
4. Extract the front cover just enough to gain access to the Controller board fixed to the front behind the LCD display (exercise extreme caution for not straining the cables that goes from the front panel to the interior). You can fold the front panel to the left with no problem. (Figure 1)
5. Look for the hardware model printed in the PCB close to the upper left corner as in the pictures. It should say "Showlift 4/55 version I" or "Showlift 4/55 version X". (Figures 2 & 3)
6. Find the USB-B female port and a white button on the other end of the microcontroller board. They are the programming port and the reset button. (Figure 4)

Upgrading the firmware

1. Plug in the micro USB-B cable end to the connector you see in that microcontroller board. Plug in the USB-A cable end to your PC.
2. Execute "SL455_upgrade" found inside the unzipped folder with a double click.(Figure A)
3. Follow the steps indicated on the application interface till the end.
4. On step 1, select check box according the hardware version you read from the board. (Figure B)
5. On step 2, select the com port from the combo box (Probably the only one on the list) (Figure C)
6. On step 3, press the Upload button. The Message window will show "Waiting for discovering bootloader port" (Figure D)
7. On step 4, press the Reset button on your microcontroller within 8 seconds after pressing the Upload button.
8. The application will search for the bootloader port and once it is found, will start the upload process automatically. (Figure E)
9. Wait for the upgrade process to finish. (Figure F)
10. On step 5, now you can check the new firmware version installed following the written instructions. The Lift display will show "hw:X sw:121" or "hw:I sw:121" depending on your hardware version.
11. Any time you can take a look at the message box to watch the upgrade progress.

PREPARE YOUR TOWER

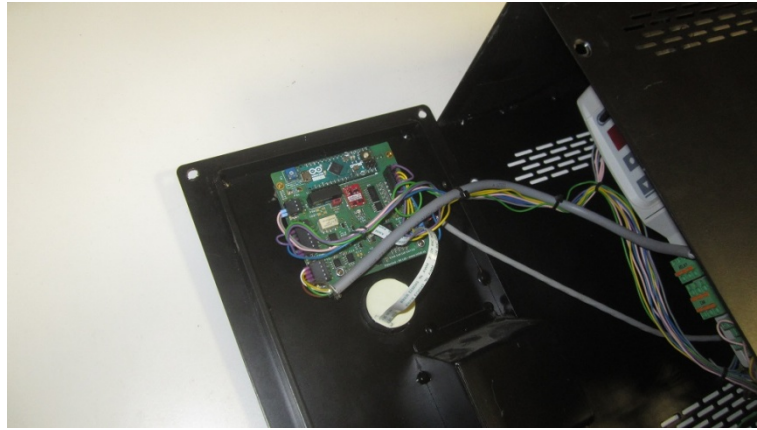


Figure 1

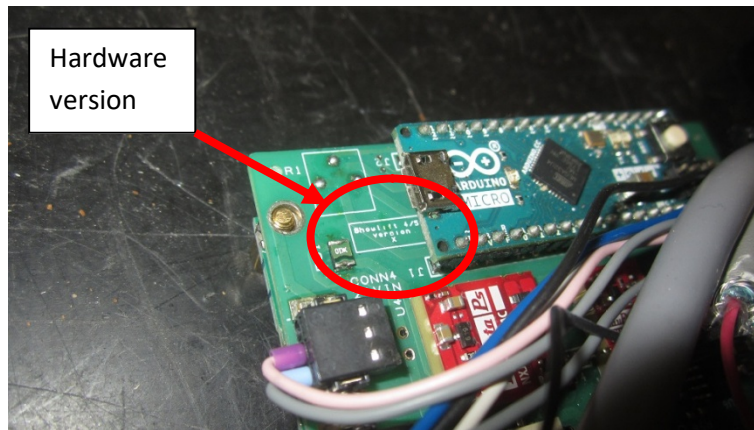


Figure 2

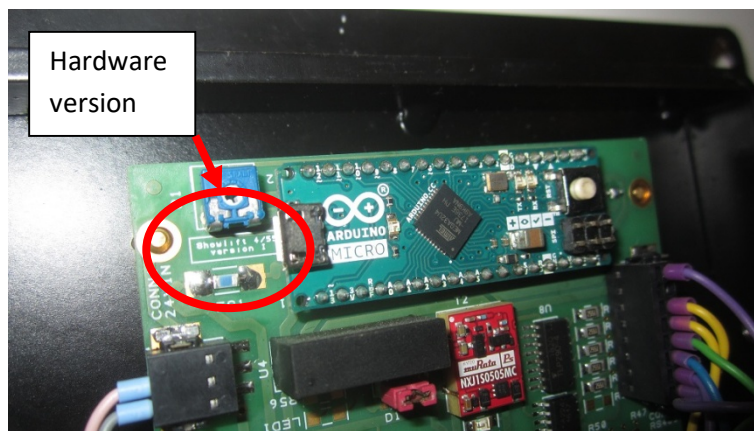


Figure 3

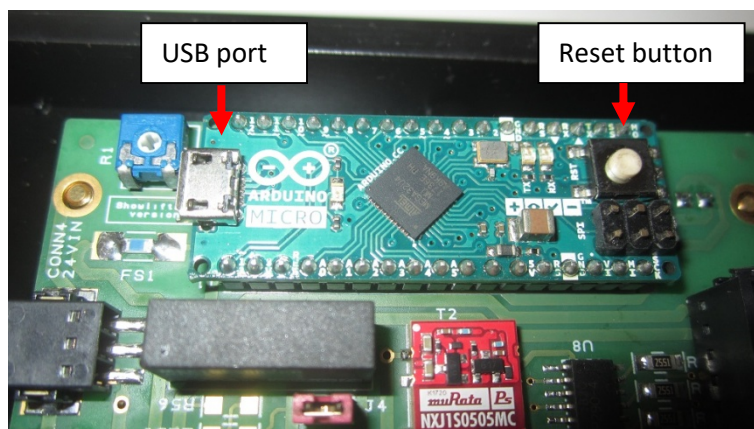


Figure 4

The screenshot shows a Windows 10 desktop with several open applications. The primary window is the 'SL455_upgrade.exe' installer, which is at the 'Check installed version' step. It prompts the user to select a hardware version (Version X or Version 1) and a serial port (COM3). Below this, it asks if the user wants to start a tutorial process. The 'Check installed version' section indicates that no hardware version is selected. A 'Messages window' at the bottom of the installer shows a warning: 'No Hardware version selected. No communication port selected. (Continúa instalar sin seleccionar)'. In the background, a File Explorer window is open to the 'SL455_upgrade' folder, showing files such as 'arduino.conf', 'arduino.exe', 'arduino121.exe', 'arduino.dll', and 'SL455_upgrade.exe'. The taskbar at the bottom shows various icons, including the Start button, task view, and several open applications.

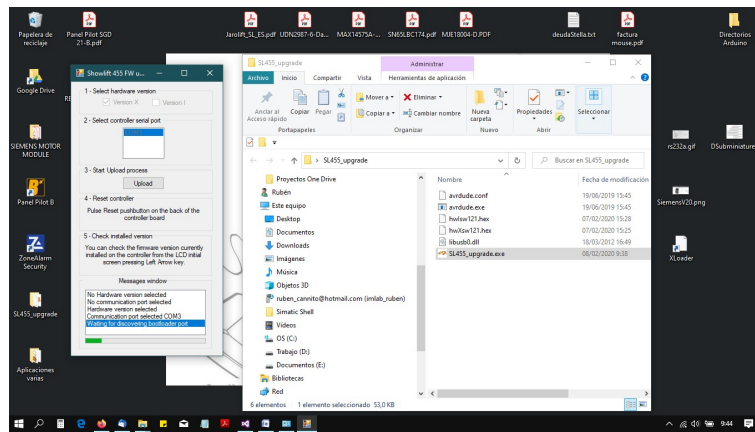


Figure D

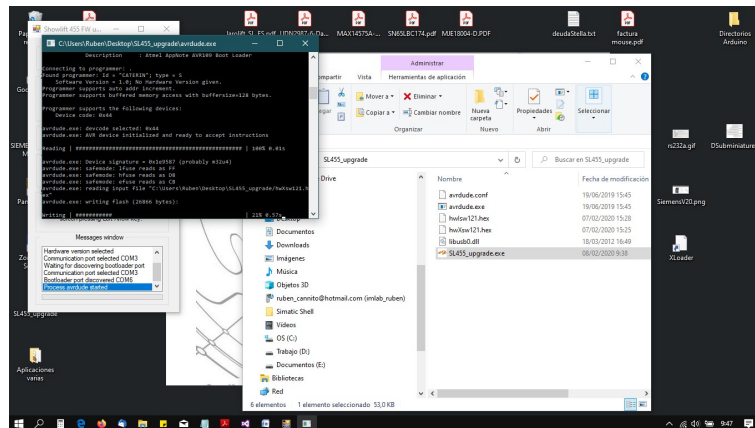


Figure E

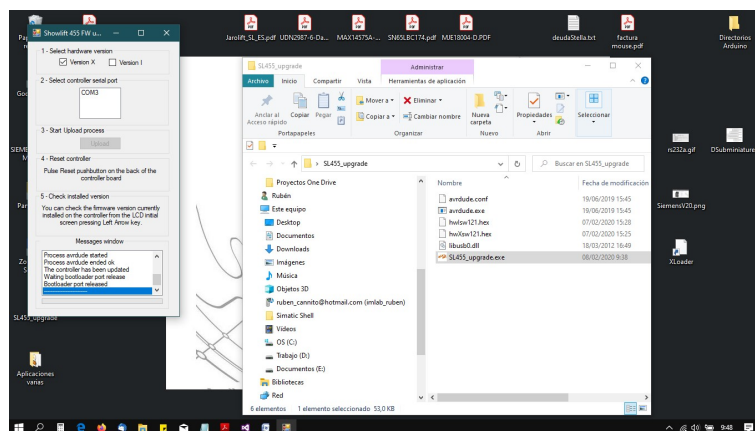


Figure F