evoqua
WATER TECHNOLOGIES



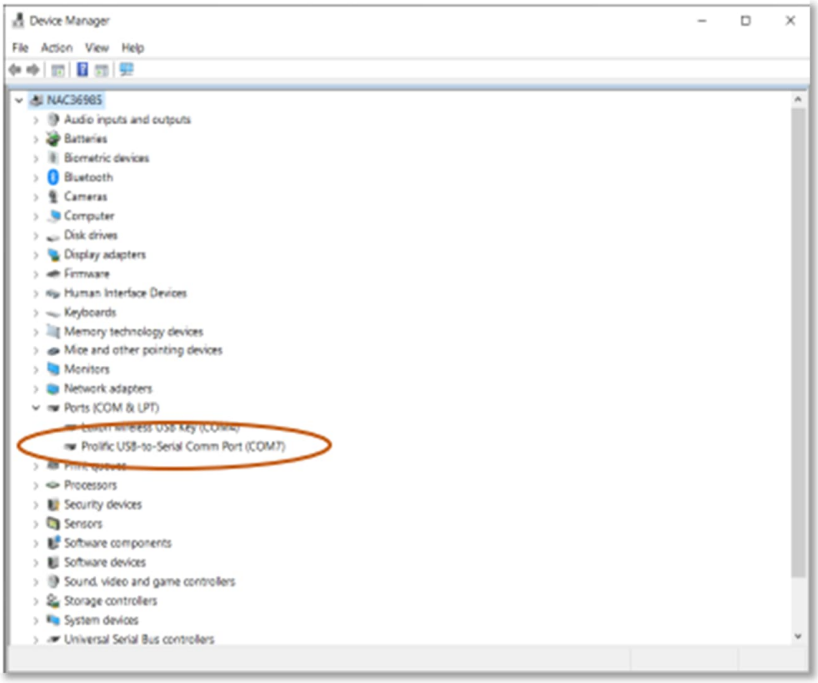
3.5KW BALLAST FIRMWARE UPDATE PROCEDURES

Tools required

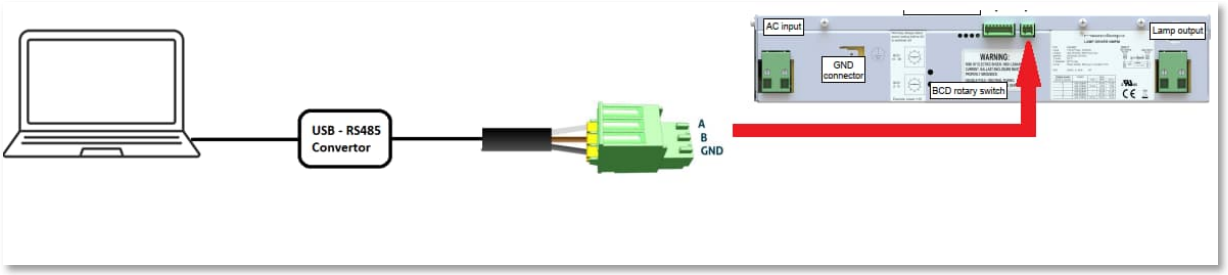
- Laptop with USB port
- NEDAP UV tool Application
- USB – RS485 Convertor

Procedures

1. Connect 'USB – RS485 Converter' to laptop.
   Windows should automatically recognize the converter and will install the USB driver.
   After installation, the installation of the USB driver can be verified via the Device Manager.
   Unfold 'Ports' (COM&LPT) and, if the installation was successful, "USB port Prolific USB-to-Serial Comm Port (COM#)" will be shown in the list. Depending on the COM port used on the laptop, a free COM# port will be assigned.



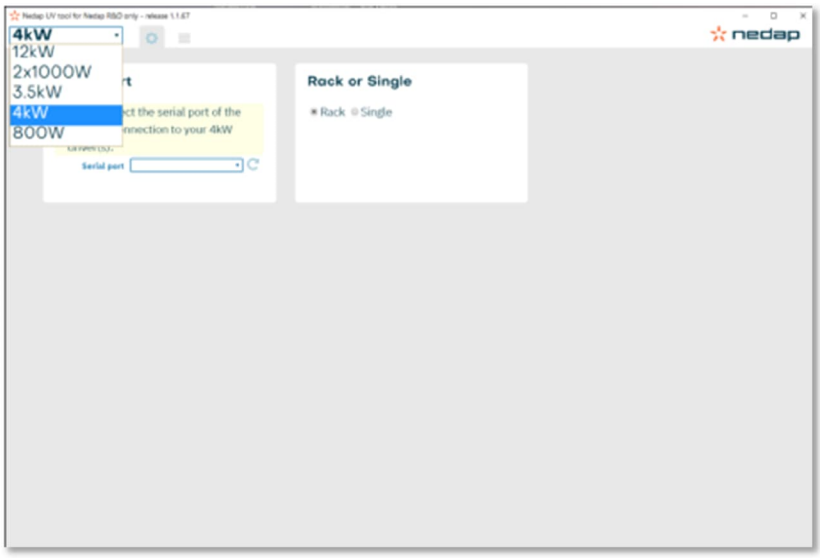
2. Connect the RS-485 side of the convertor to the 3.5kW Ballast.



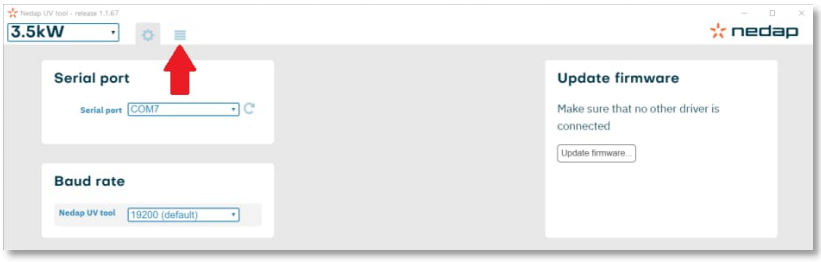
3. Install & open the NEDAP UV Tool.



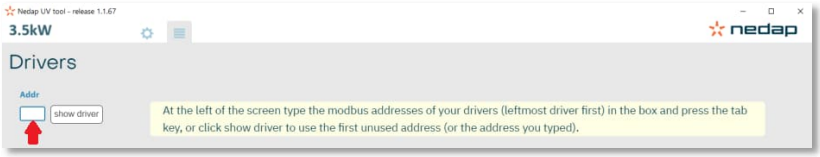
4. The following screen will appear. Select the lamp driver you want to control. In this case select 3.5kW



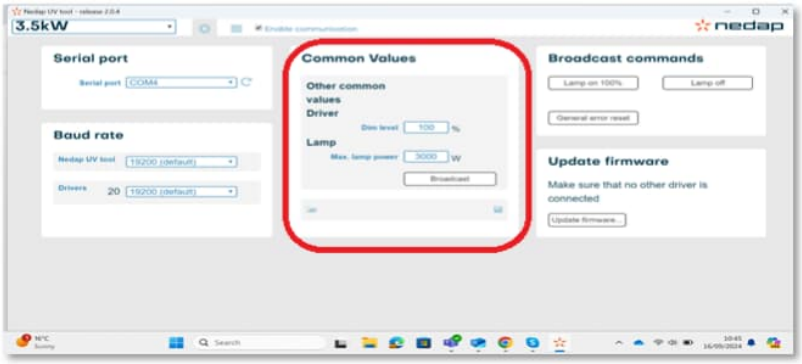
5. Select the Serial port (=COM port) assigned by the laptop.
Click on the Drivers Tab



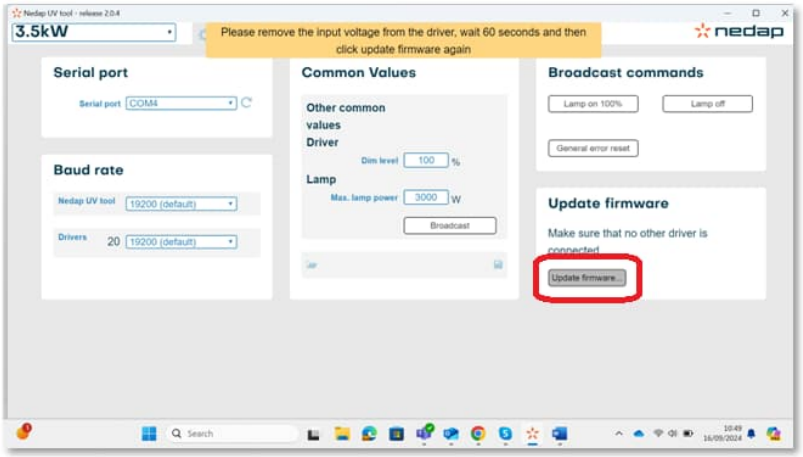
6. Enter Addr (=Modbus address) of the lamp driver set with the two rotary switched and click on ‘show driver’ (Ballast 1 = 20, Ballast 2 = 21). Return to the Configuration Tab



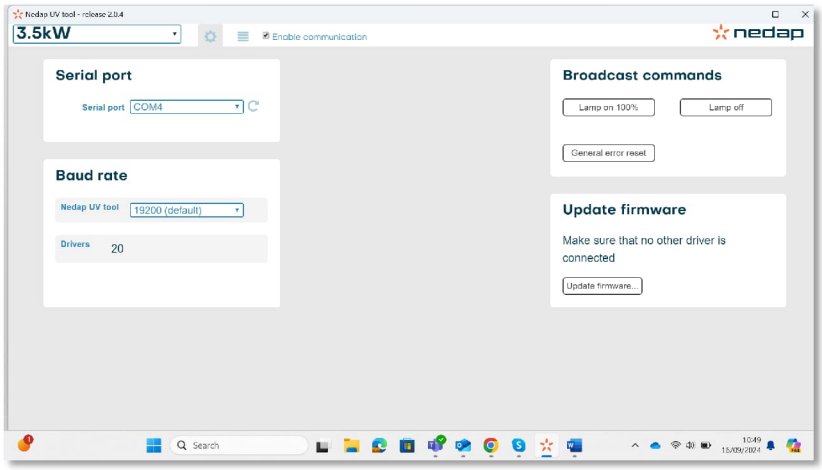
7. If connection to the ballast is successful, the following screen will be displayed.



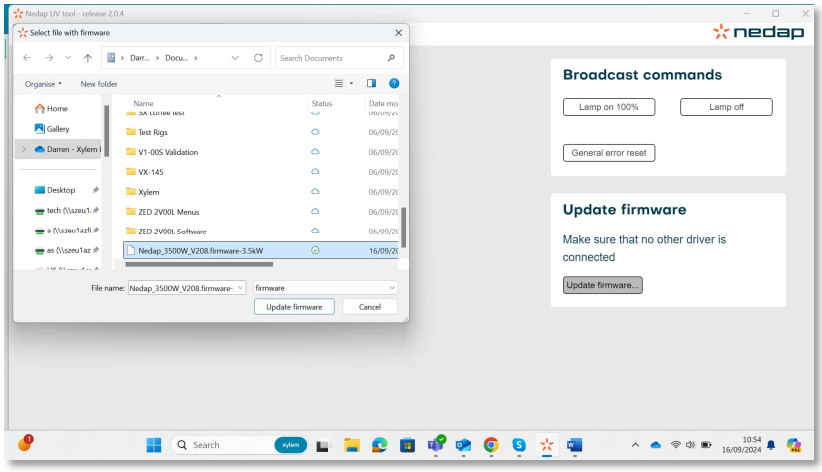
8. Click on 'Update firmware'. Disconnect power to the ballast & wait 60 seconds.



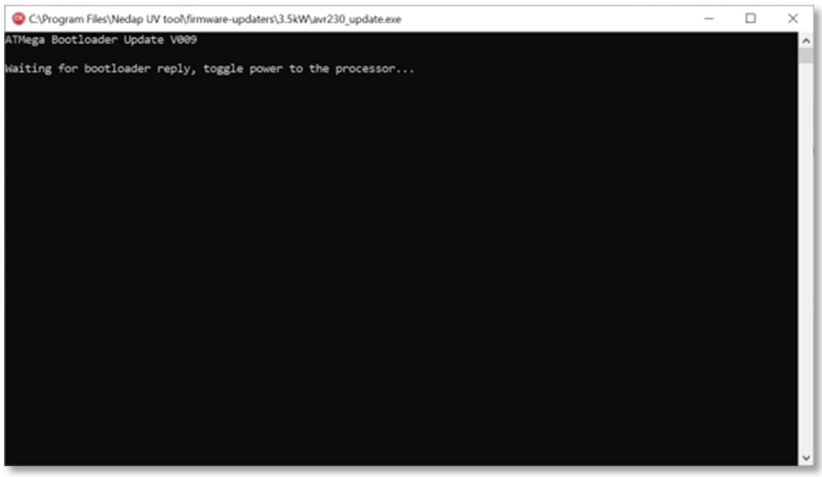
9. After 60 seconds has elapsed, the following screen will be displayed:



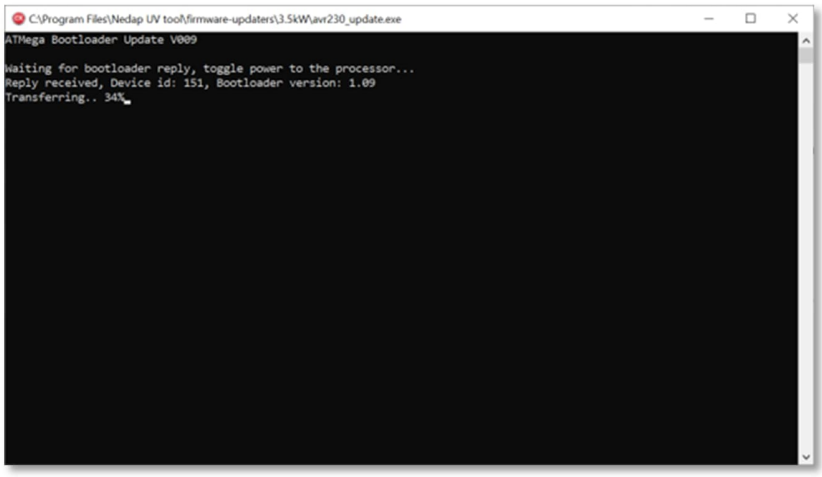
10. Click on ‘Update Firmware’. Locate & select Nedap _3500W_V208.firmware-3.5kW file.



11. Re-apply power to the ballast. The following screen will be displayed



12. Update in progress.



13. Firmware Update complete.

