



EV40 Quick Start Guide

Charge your mobile before proceeding!

1) Wiring check

How? Check if wirings for sensors, drive

and the lift controller are done according to the descriptions in the EV40 manual.

2) Drive initialization

- Make sure that **A1-01** (Access level selection) is set to **2**,
- Verify **H5-01** (Modbus communication address) is set to "**1F**",
- Change **H5-02** (Communication speed) to "**8**" (115.2kbps),
- Power the drive off and on again to activate the setting (wait 3 minutes before re-powering). This will allow the **Pro-Hydro** card to communicate with the drive,
- Verify that 10 seconds after re-powering the drive the diagnostic LED on the **Pro-Hydro** card starts blinking **GREEN** at 1 second intervals – See Section 3 and 5 in EV40 Manual when LED blinks **RED**.



After completing "Initialization" phase further drive access is not necessary!

3) Switching on Wi-Fi communication

How? Place the **Wi-Fi** jumper correctly on the **Pro-Hydro** card (The jumper pins are located on the top-left corner of the Pro-Hydro card, see Section 3.5.1 in the EV40 Manual). **Wi-Fi** is **ENABLED** when the two pins are **not connected**. **Wi-Fi** is **DISABLED** when the jumper is connecting the two pins.

4) Connecting your device to Pro-Hydro card

How? To connect your device (eg. mobile phone) to the **Pro-Hydro** card use following name of **Wi-Fi** network (SSID) and password:-

Wi-Fi network (SSID)	Pro-Hydro
Password	Pro-Hydro

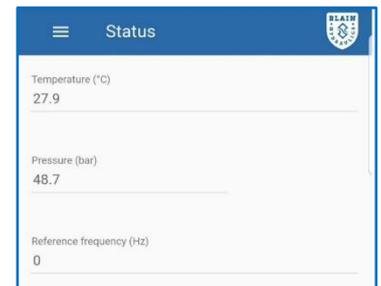


Alternatively, you can scan the QR code on the **left**.

Type <http://172.27.1.1> in the address bar of your browser or scan the QR code on the **right**.

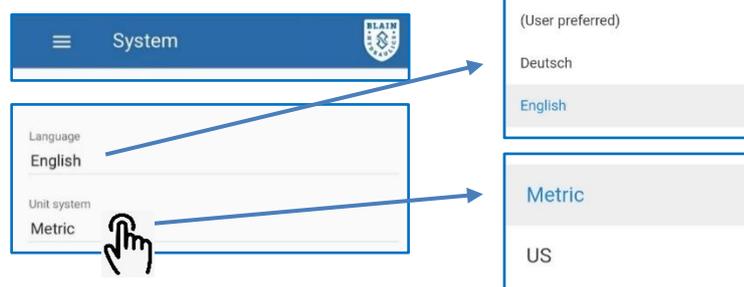
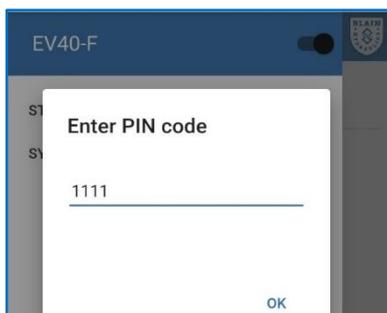
5) Checking status menu & Sensor readings

How? When **Wi-Fi** connection is done successfully, STATUS menu appears on the smart phone. Check whether pressure and temperature readings are there and correct. If sensor readings are not correct see Section 3 and 5 in EV40 Manual.



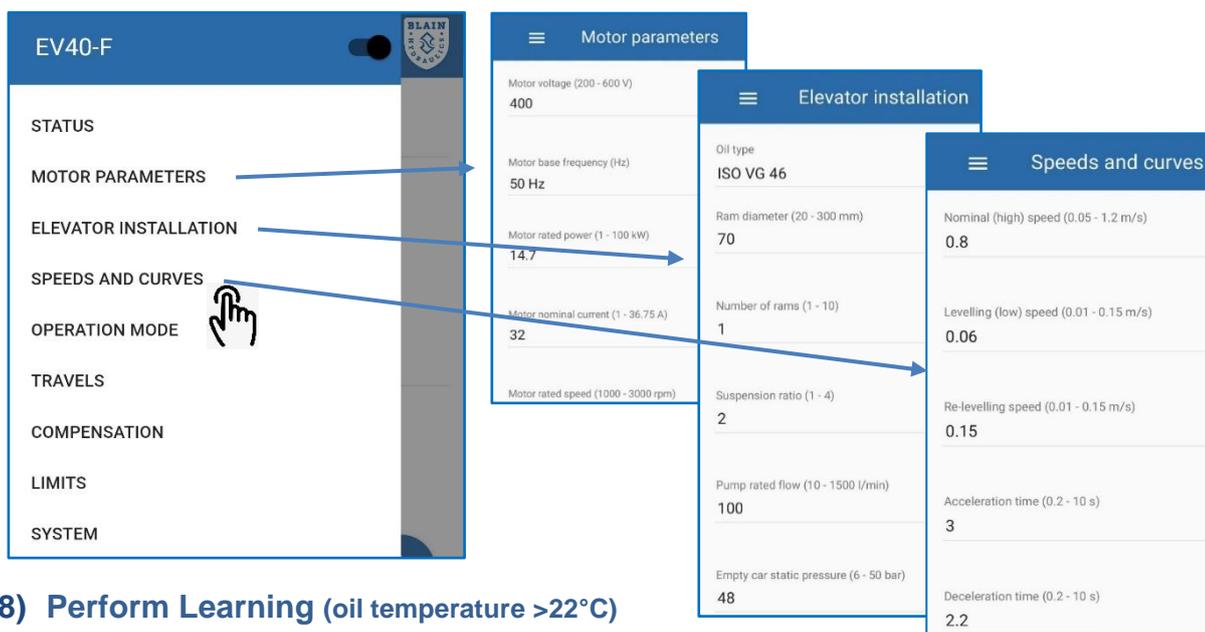
6) Opening the Main Menu

How? Touch on the top left indicator  and turn the switch  on from the open menu. Enter the PIN Code 1111 and press OK. The Main Menu opens. Select **SYSTEM** option and change Unit and Language preferences when necessary.



7) Inputting Motor, Elevator Installation and Speed & Curves parameters

How? Open the Main Menu by touching on . Select Motor Parameters, Elevator Installations and Speed & Curves menus to input requested parameters respectively.



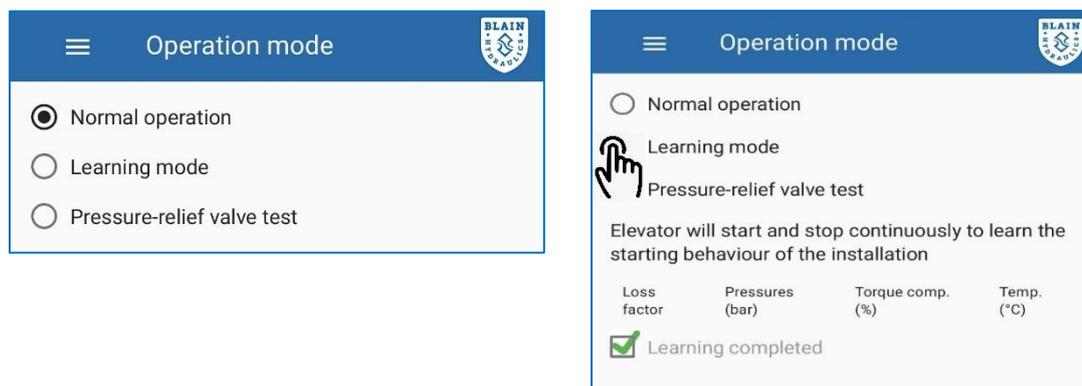
8) Perform Learning (oil temperature >22°C)

How? Open the Main Menu and select **OPERATION MODE**

Before performing learning make sure that oil temperature is above 22°C (72°F). Let the elevator make a few normal travels at nominal speed. If motor is running but the lift is not moving change the direction of rotation of the motor by changing the parameter **b1-14** (eg. If b1-14 is 1 then set it to 0 or vice versa).

During learning, software will start and stop the lift several times. After a few short travels, lift will stop and software will show “**Learning completed**” (a check sign in the box). It will switch to **Normal operation** automatically.

When the run is interrupted, mode will return to “Normal operation” and the app shows “**learning drive NOT completed successfully**”.



9) If necessary, perform fine tuning

How? After making some travels, open **TRAVELS** menu and click on a travel. Check the total travel and levelling times. If necessary, change the deceleration and acceleration durations from **SPEED & CURVES** menu.

Note: The terminals **HC**, **H1**, **H2** (on the inverter) must be linked otherwise, the motor will not start unless Safe Disable function is used.

DELAY DEENERGIZING MOTOR CONTACTORS ABOUT 1 SECOND AFTER THE CAR REACHES THE STOP SWITCH.