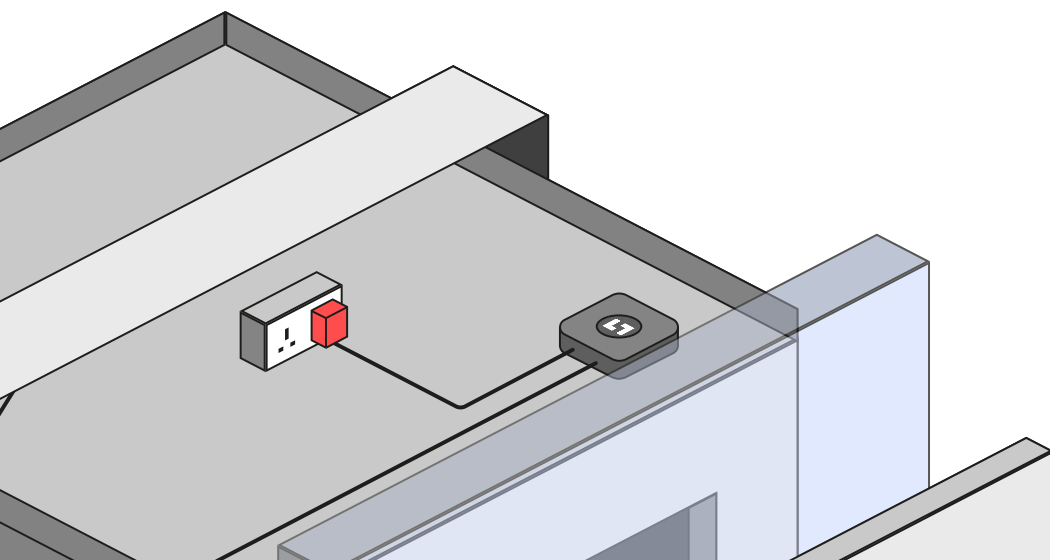


# SafeLine

Your partner in lift safety

## 7-step guide to LYRA installation





## Please note:

- Only connect LYRA to power source **after** door sensor/s has been installed and when sure all cables have sufficient reach from LYRA's position.
- **Avoid unplugging power source during installation.**
- **Avoid RCD type socket.**



App Store

Download  
**LYNX II**



Google Play



Before installation, an email address for the LYRA installation engineer must be provided to SafeLine in order to gain access to the SafeLine LYNX II app.

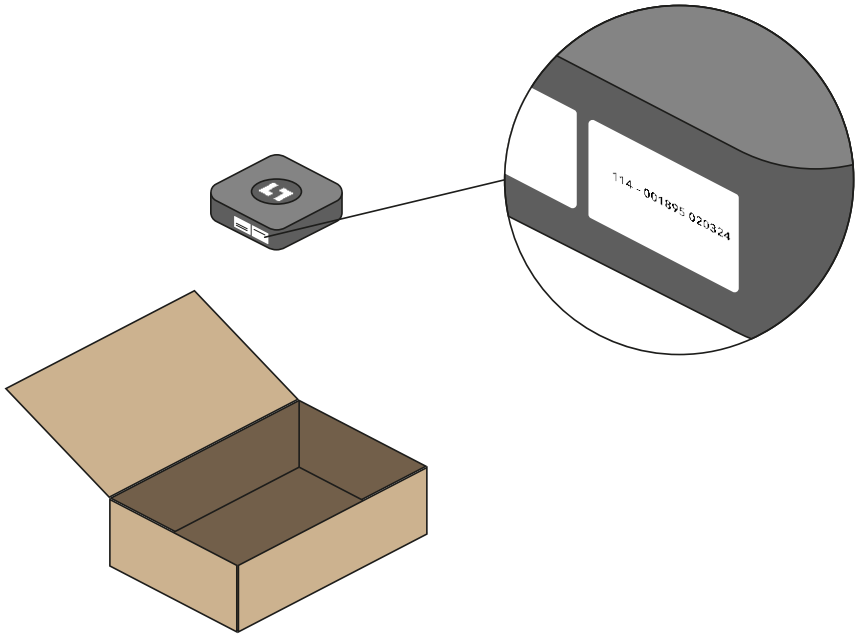
Login email addresses should be sent to:



[Lyra.orion@safeline-group.uk](mailto:Lyra.orion@safeline-group.uk)

Tel: 01322 521 396

1

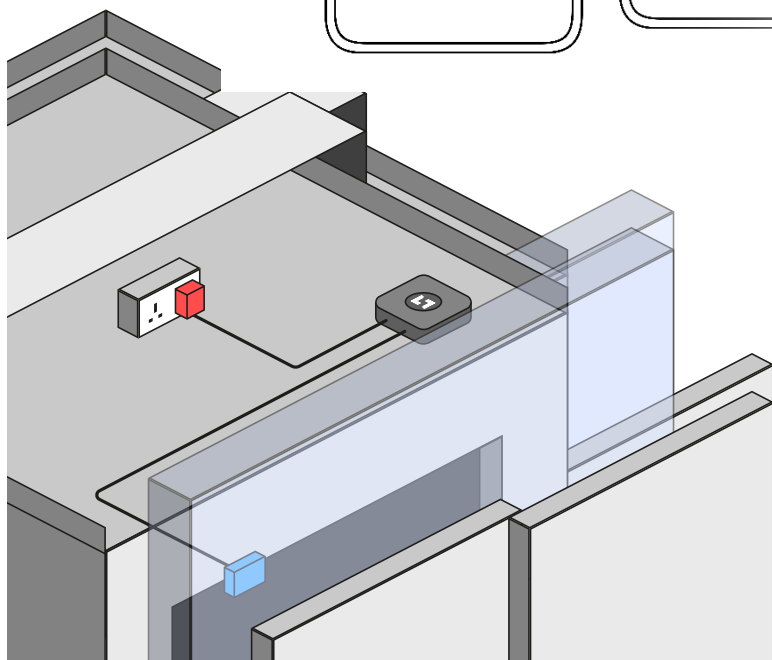
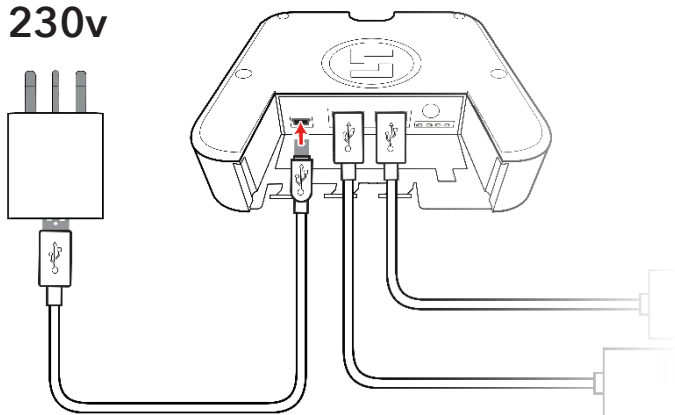


- **Unpack the LYRA unit and record its serial number.**

The LYRA unit's serial number is required in Orion to associate the unit with the correct elevator. Be sure to record it before proceeding with the installation.

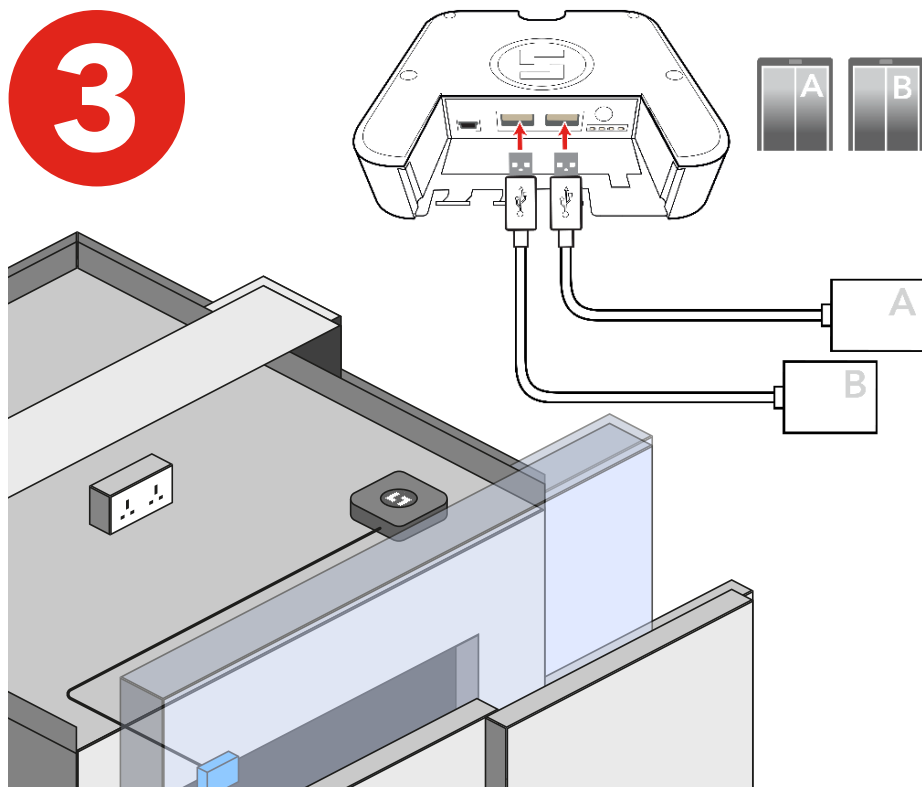
**2**

230v



- Connect the LYRA using a suitable 230V AC / 5V DC USB-A power adapter.
- Use a continuous 230V AC power supply on the elevator car roof.
- Ensure that the power outlet does not switch off automatically (energy-saving mode).

3

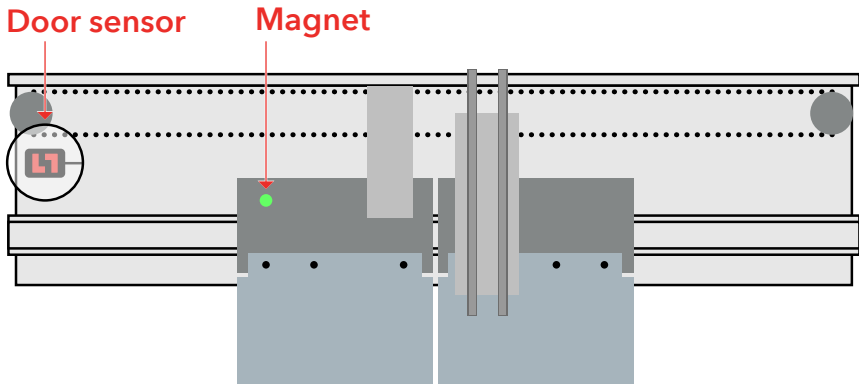


- **Connect the door sensor to the LYRA unit.**
- **Choose a suitable mounting location for the door sensor, ensuring that:**
  - it is not mounted directly on the door motor.
  - the sensor can detect the magnet as described in step 4.
  - the sensor will not collide with adjacent or moving parts.
  - preferably, the sensor detects the slow-moving door leaf when the door is open
  - alternatively, the sensor may detect the fast-moving door leaf when the door is closed.

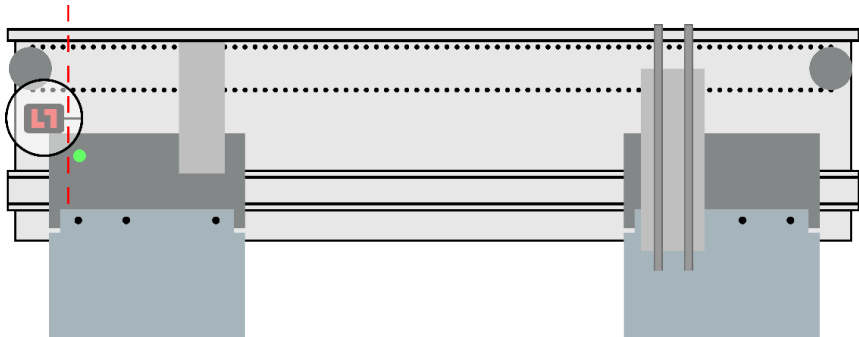
4

**Magnet:** Install the magnet to the rear of the car door. For two-panel side opening, install the magnet to rear of the slow door.

**Door sensor:** Door sensor installed to far end of car door header.

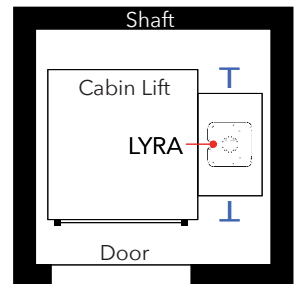
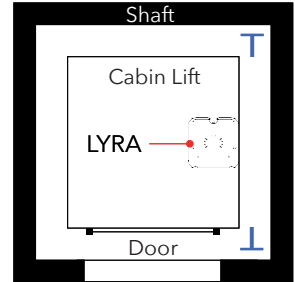
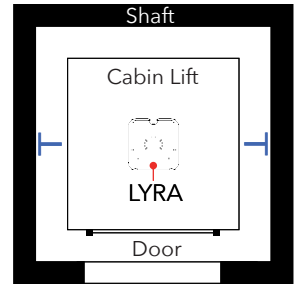
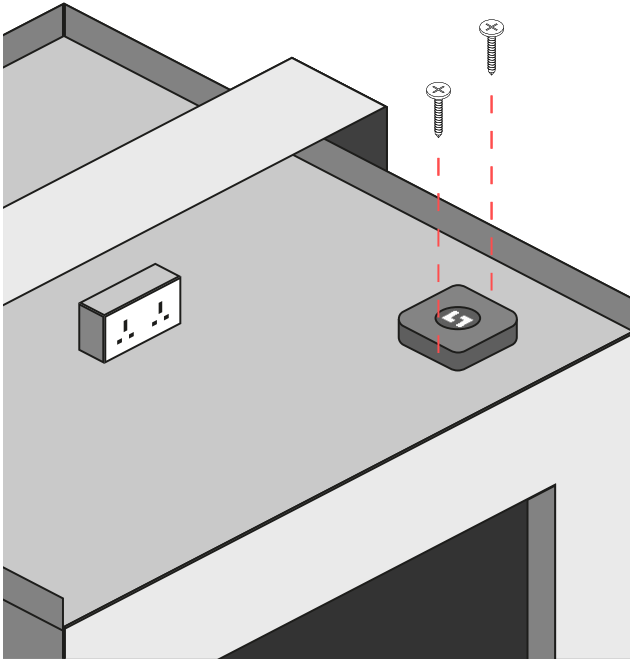


In the fully open position, the magnet must not pass the sensor.



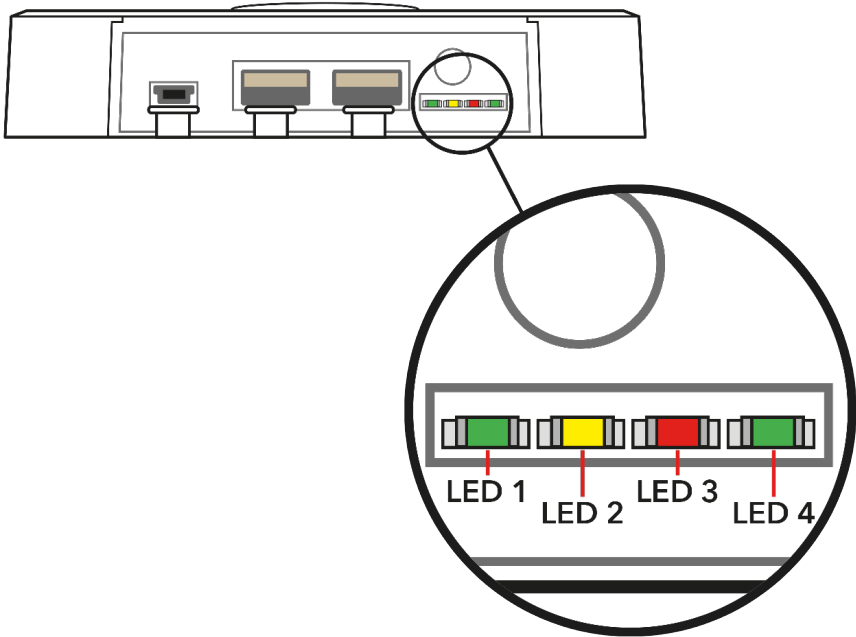
The door sensor can be installed to the following door configurations: Centre opening / Side opening / Manual shutter gates

5



- Attach the LYRA to the car roof using the supplied screws. Avoid mounting it directly onto the car frame or structural steel.
- A solid connection to the mechanism improves the accuracy of the travel-data analysis.
- Position the LYRA approximately in line with the car's guide rails (see illustration).

6

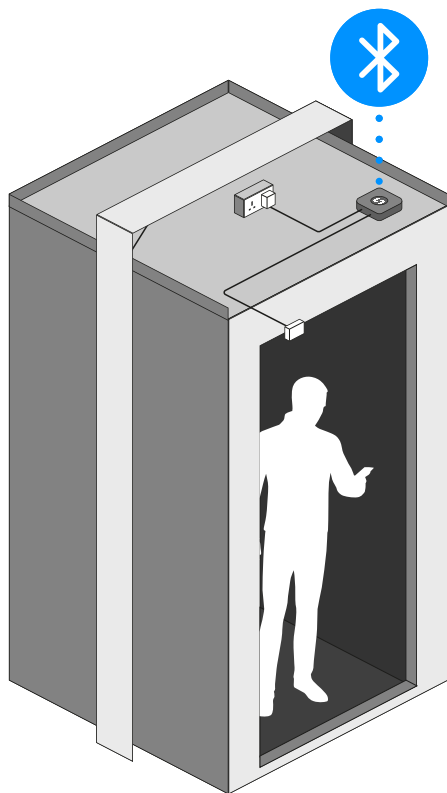


Device ready for app setup only when:

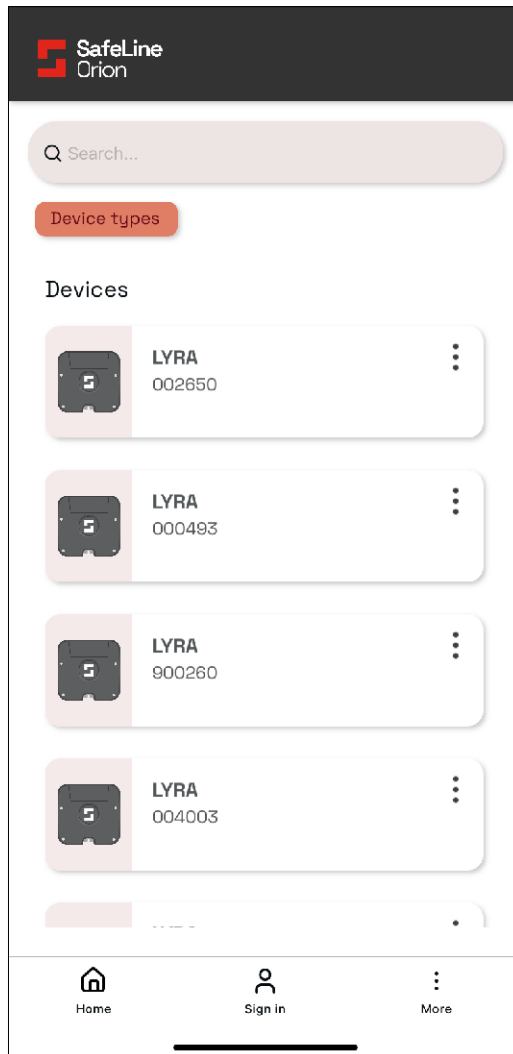
- Left hand LED 1: \*Flashing Green\*, with
- Right hand LED 4: \*Solid Green\*

(Warm up usually takes less than 5 minutes)

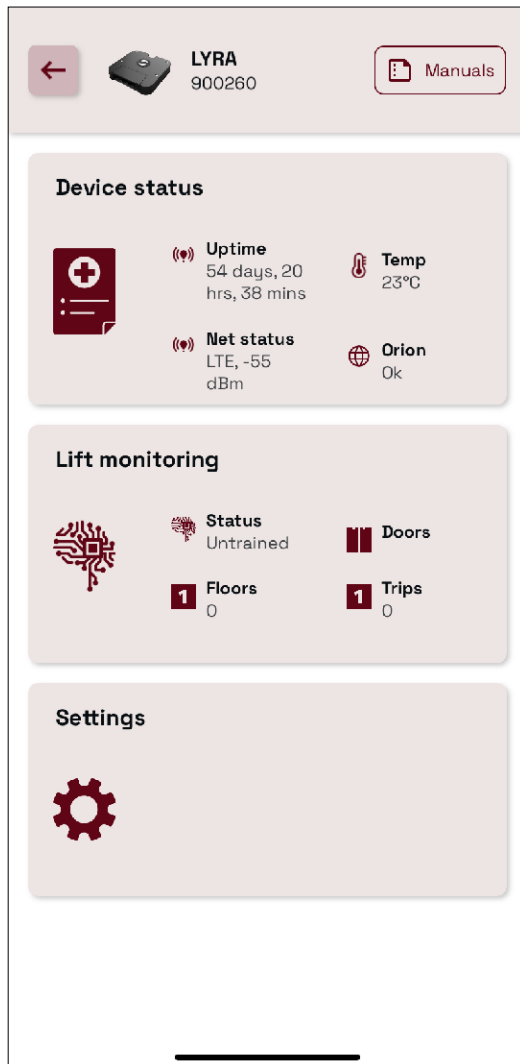
**7**



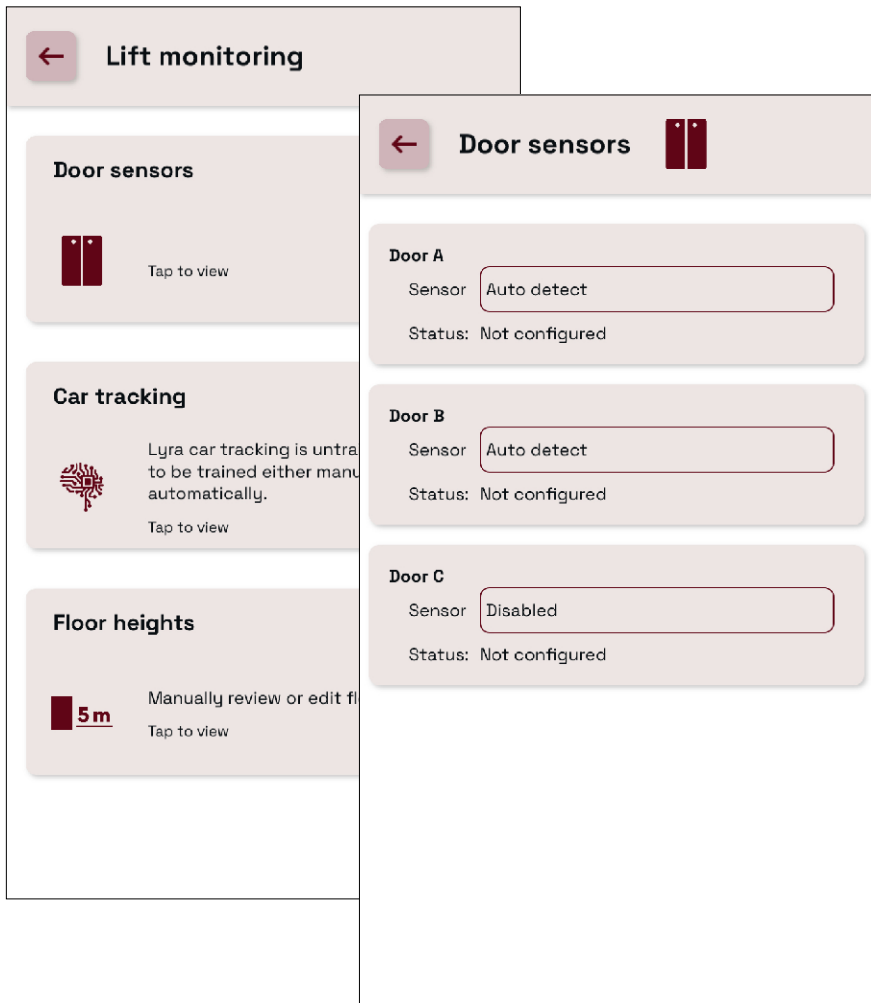
1. Return the elevator to normal operating mode.
2. Enter the car roof.
3. Drive the car down to the lowest floor to begin the learning trip.
4. Open the LYNX II app and follow the instructions.



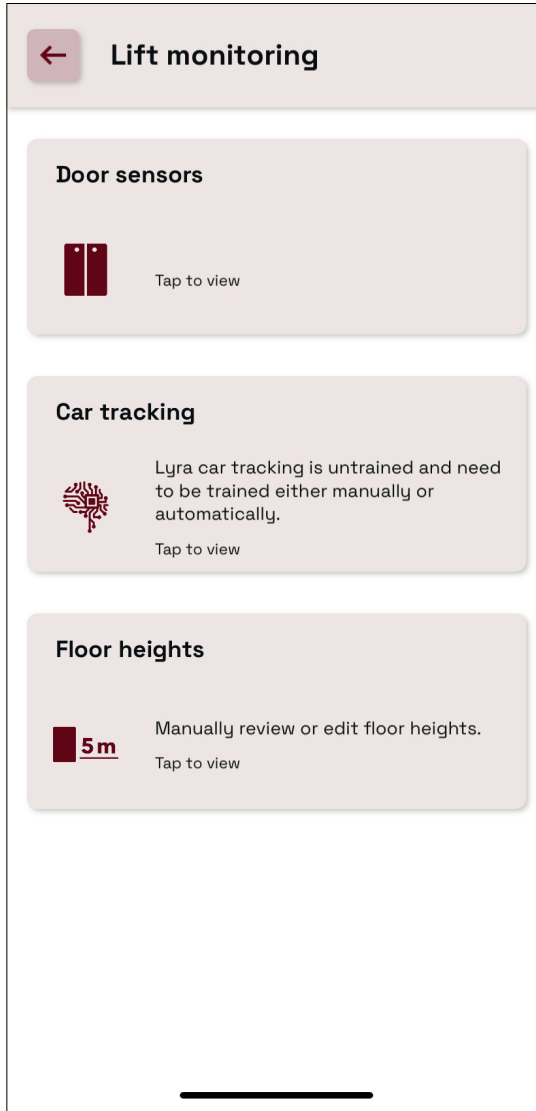
- Press the 3 dots to connect to the LYRA device via Bluetooth.



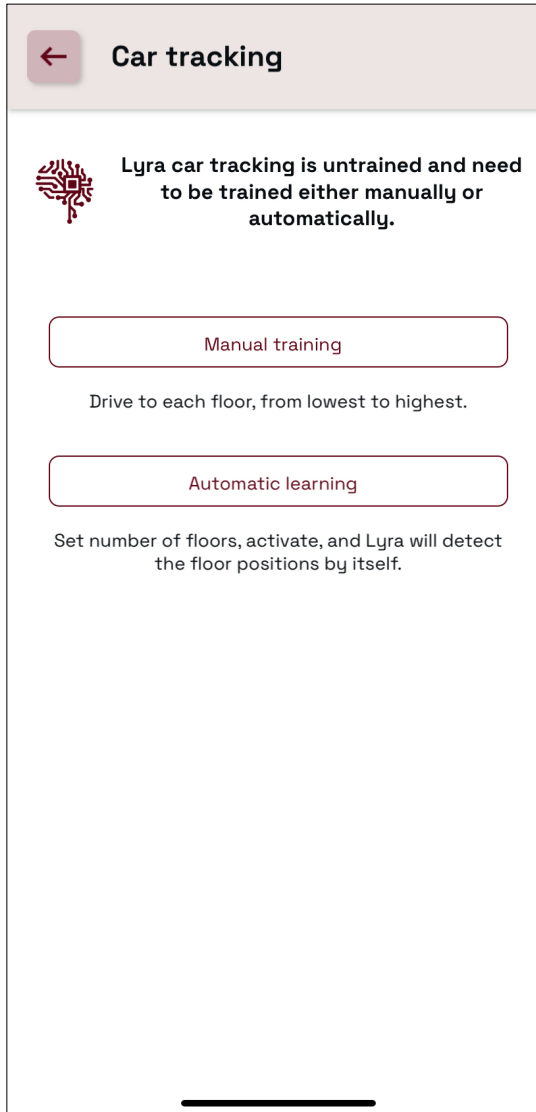
- Select Lift monitoring.



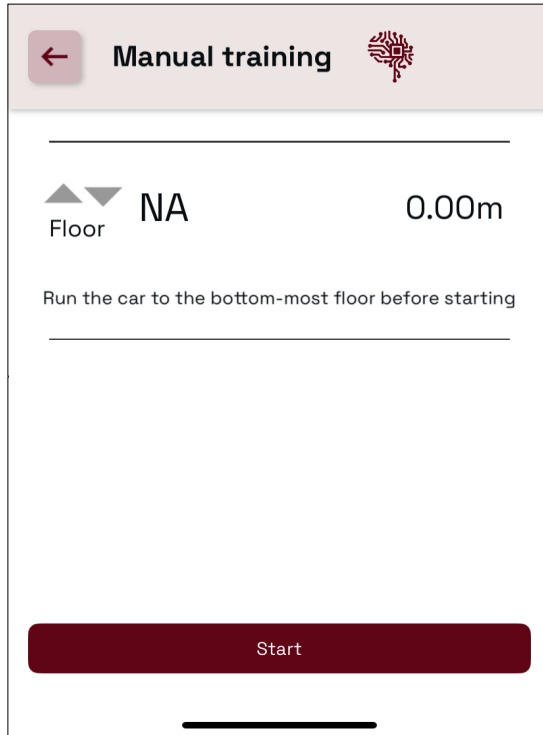
- First, open the "Door Sensors" menu and verify the function of the door sensors.
- When the doors open or close, a clear change must be visible in the three coloured lines.



- Press Car tracking



- Press Manual training



1. With the doors open at the lowest floor, press "Start".
2. Drive the car up to next floor and continue until in the car has stopped on all floors.
3. After reaching the top floor, return to the lowest floor in one continuous run.
4. When the learning trip is successfully completed, a message will appear in the app showing the number of floors.

# Within Device status, you can find:

Device status

Device

Serial

900260

HW version

3

SW version

2.56

Uptime

54 days, 20 hrs, 40 mins

Temp

23°C

Acc status

Ok

Acc temp

23°C

Acc freq

425Hz

Mag status

Ok

Flash status

Ok

Flash usage

22%

Car tracking

Started

Yes

Travel session

18

Floors

0

Tracking

Active

Trips

0

Status

Untrained

Alarm

Ok

Motion

Stationary

Height

0.00m

Floor

Invalid

Connection

Tracking

Active

Trips

0

Status

Untrained

Alarm

Ok

Motion

Stationary

Height

0.00m

Floor

Invalid

Connection

Modem status

Ok

SIM card

Ok

RSSI

-63 dBm

Net status

Ok

Net type

LTE

Operator

Telia

IP status

Ok

Internet connection

Ok

Orion

Peripherals

Door A

Not configured

Door B

Not configured

Door C

Not configured

USB mem

No

USB IO status

Ok

USB IO 1

On

USB IO 2

On

USB IO 3

Off

USB IO 4

On

Once the floor tracking is complete, the door sensor is configured and the connection is OK, LYRA device is set up and configured.

