eQart®

UNBOXING & QUICK START

FLEXQUBE®

UNBOXING.

WATCH THE UNBOXING VIDEO

SCAN CODE

1. Loosen the screws

Use a Torx T25 and a screwdriver to remove the screws.

2. Open the box and place the ramp

3. Remove the straps

4. Find the maintenance drive

Ensure the e-stops are NOT activated. Rotate clockwise to deactivate.

Ensure the key is in position as in the photo.

5. Connect the maintenance drive

When you hear a 'click' the drive is connected. It also indicates that the brakes are released.

6. Pull the eQart out from the box

Because the eQart is heavy, it is recommended to use two people.

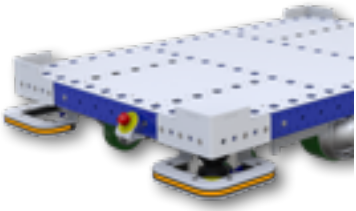
7. Remove the maintenance drive

After you have removed the maintenance drive, the eQart is ready!

IN THE SHIPMENT.

You Should Have

1 x eQart



10 x Red and blue tape

1 x Charger

20 x RFID tags

1 x User manual

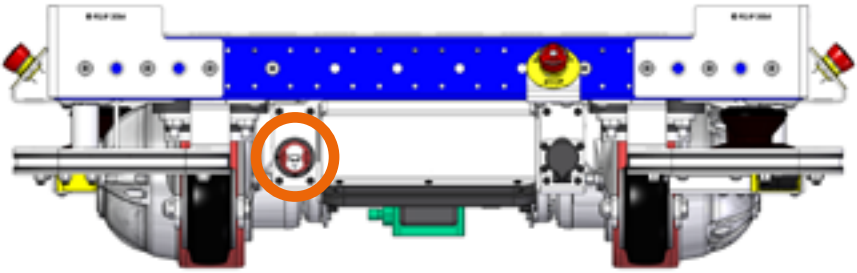
1 x Maintenance drive

1 x Cockpit with LTE/4G SIM

1 x Arduino cable
1 x Battery cable
1 x Laser scanner cable

START THE EQART.

The ON/OFF switch is placed in front of the battery module.



eQart Switch - **ON**

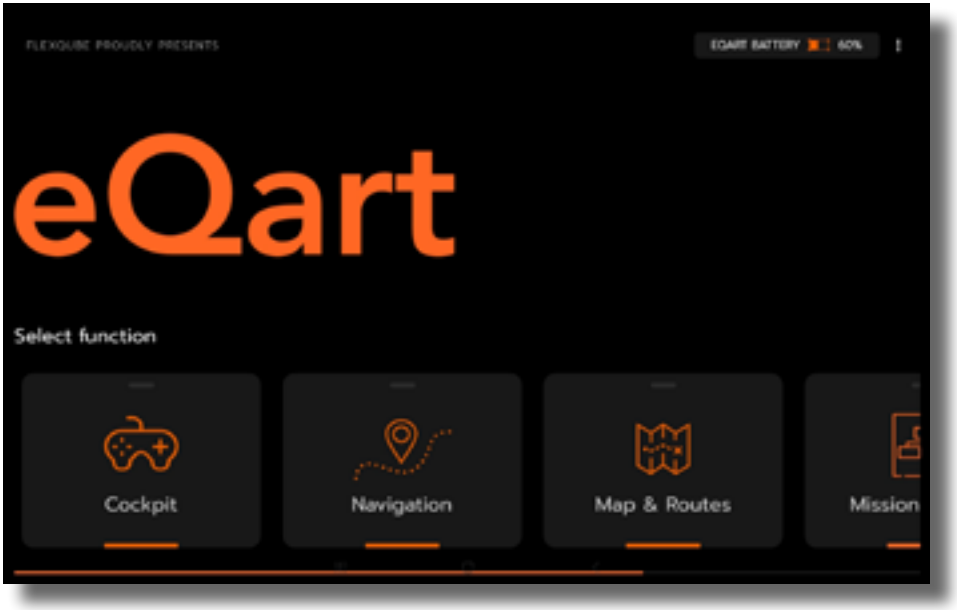
eQart Switch - **OFF**

Remove eQart Switch

Make sure no emergency stop buttons are pushed in before proceeding.

MAIN MENU.

eQart Cockpit Main



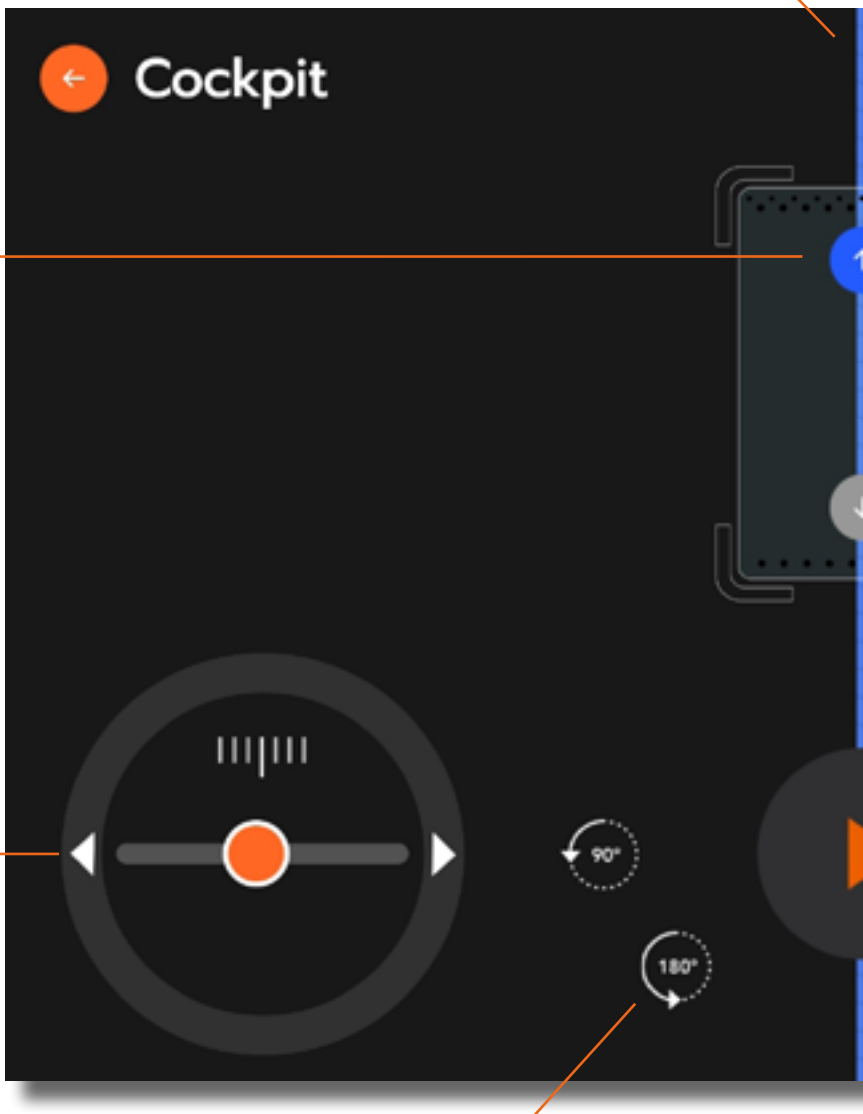
There are five main functions in the eQart Cockpit, which all are located under the Main Menu.

1. Cockpit
2. Navigation
3. Map & Routes
4. Mission Planner
5. Settings

COCKPIT.

eQart Cockpit Manual Drive View

This will Highlight Blue when the eQart has Located the Line

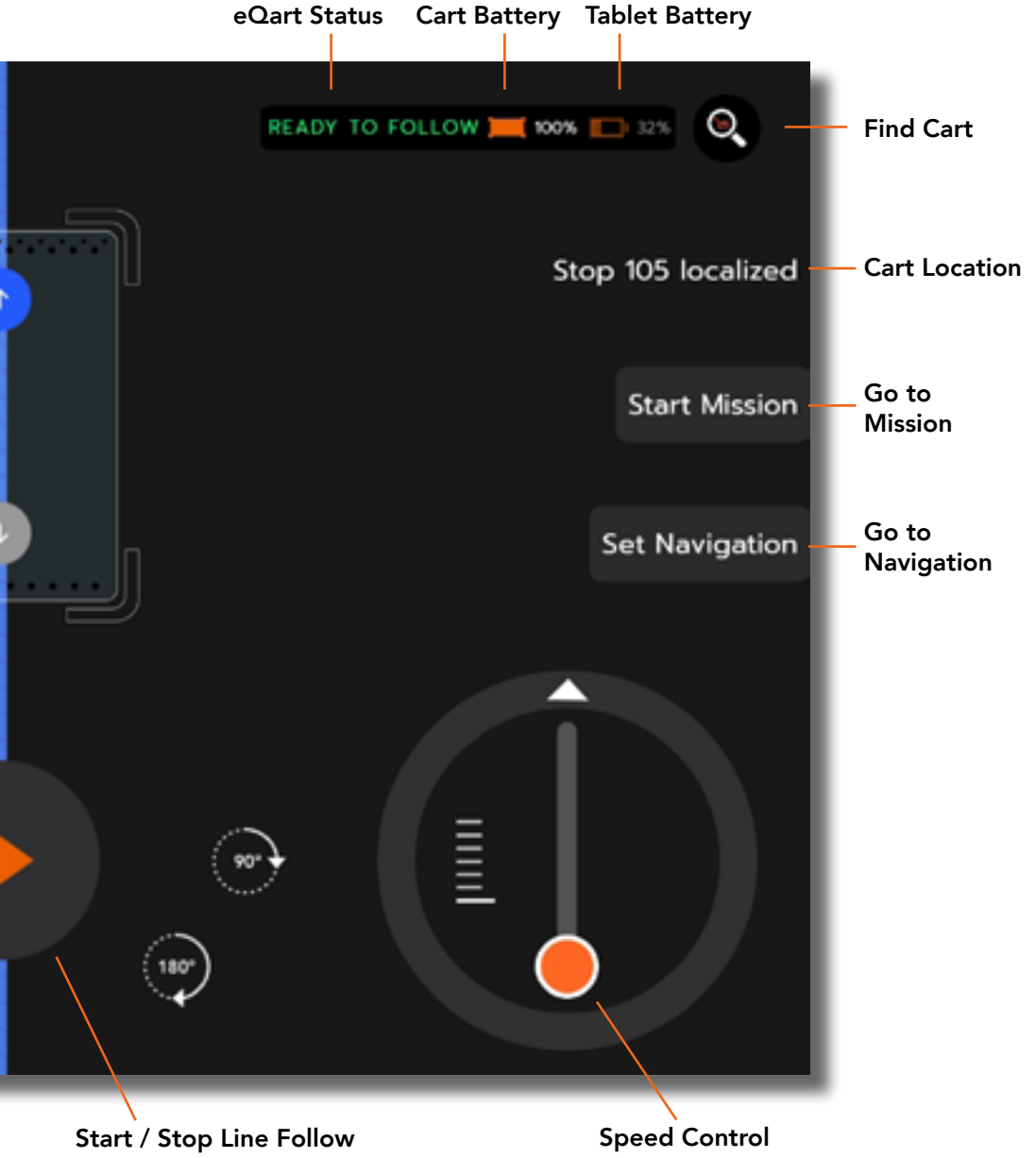


Direction Fwd. or Rev.

Press the arrow to switch direction.

Direction Right or Left

eQart Rotation

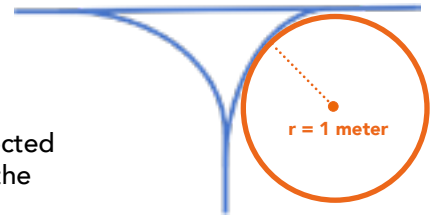

eQart Status
Cart Battery
Tablet Battery
READY TO FOLLOW
100%
32%
Find Cart
Stop 105 localized
Cart Location
Start Mission
Go to Mission
Set Navigation
Go to Navigation
90°
180°
Start / Stop Line Follow
Speed Control

MAP & ROUTES.

Create a Route

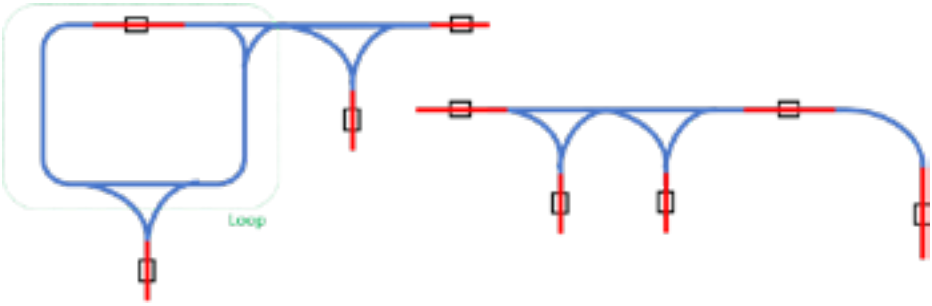
For all corners or junctions, the radius of curvature must be 1 meter or larger.

It is also essential that the lines are connected and that it creates a continuous path for the eQart.



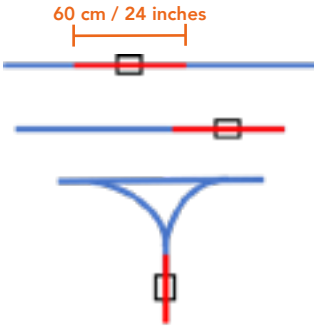
Simple or Circular Path

There are two types of paths, simple and circular path. A circular path means there is one closed loop in the path.



CIRCULAR PATH

SIMPLE PATH



RFID

Place the RFID-tag on the route and place red tape on top of it.

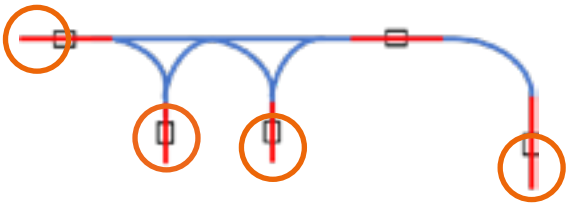
There should be roughly 30 cm (12 inches) of red tape before and after the RFID-tag.

Start Mapping

The mapping process is autonomous; however, the operator needs to ensure that the right conditions are met when starting the mapping function.

If the layout is a **circular path** (includes a loop), then the mapping needs to start when the eQart is placed within the loop.

If the layout is a **simple path**, then the eQart should start just before one of the end line stations with the driving direction facing the map. The eQart should detect the line, however, not so far in that it detects the RFID-tag.



The eQart Cockpit also contains a Mapping Guide that you can easily access through **Main Menu - Map & Routes - Mapping Guide**.

SPECIFICATIONS.

SIZE RANGE

- Min. 910 mm x 840 mm
- Max. 2520 mm x 2520 mm

The eQart can be configured to any size between the smallest and largest size in increments of 70 mm.

SPEEDS

- Manual drive 0.7 m/s
- Automatic mode (normal zone) 0.6 m/s
- Automatic mode (slow zone) 0.3 m/s
- Recording 0.3 m/s

BATTERY

- Battery time: approx. 8 hours
- Full charge: 2.5 hours

CAPACITY

- Load Capacity: 2200 pounds / 1000 kg
- Towing Capacity: 4400 pounds / 2000 kg

CONNECTIVITY

- Cockpit connection: Independent WIFI
- Cockpit cloud connection: Included 4G SIM-card

The eQart is based on six smart modules enabling a high degree of scalability and flexibility in design.

eQart®

by FLEXQUBE®

eQart®
LEARNING

SCAN CODE

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