



GrowSphere™ **FLEX**

Irrigation Fertigation Controller

Quick Setup Guide

2026



Precision
Agriculture



Advanced Features

- Ideal for agricultural and landscape applications
- Simple to use, intuitive interface that makes irrigation tasks quick and efficient
- Smart alerts and notifications
- Integrates with the GrowSphere™ cloud Workspace
- Modular configuration
- Easily manages single units or complex multi-device setups
- Flexible and secure remote access from anywhere

→ Supported Devices and Features

Number of MLs	1
Number of valves	16 local DC valves
Irrigation by time/ quantity	Both
Dosing channels	4
BLE	✓
Connection to internet	Cellular
Digital inputs	8

→ Programs, Shifts and Recipes

Irrigation programs	8
Shifts per program	8
Dosing methods	<ul style="list-style-type: none">• Bulk by quantity or time• Spread by time
Dosing recipes	8

→ Battery Description

Nominal capacity	5200 mAh
Nominal voltage	3.7V
Charger input	5.5-7.8V (Up to 1A)



Technical Assets



We’re always happy to help!
Get in touch with our [Support Team](#)
and we’ll guide you every step of the way.”

What is in the BOX

GrowSphere™ FLEX



* Optional -
External solar panel 5.5W +
5m extension cable



Accessories Kit:



Antenna



Charging cable



Base plate



Bird spikes



Metal cable ties



Plastic bands



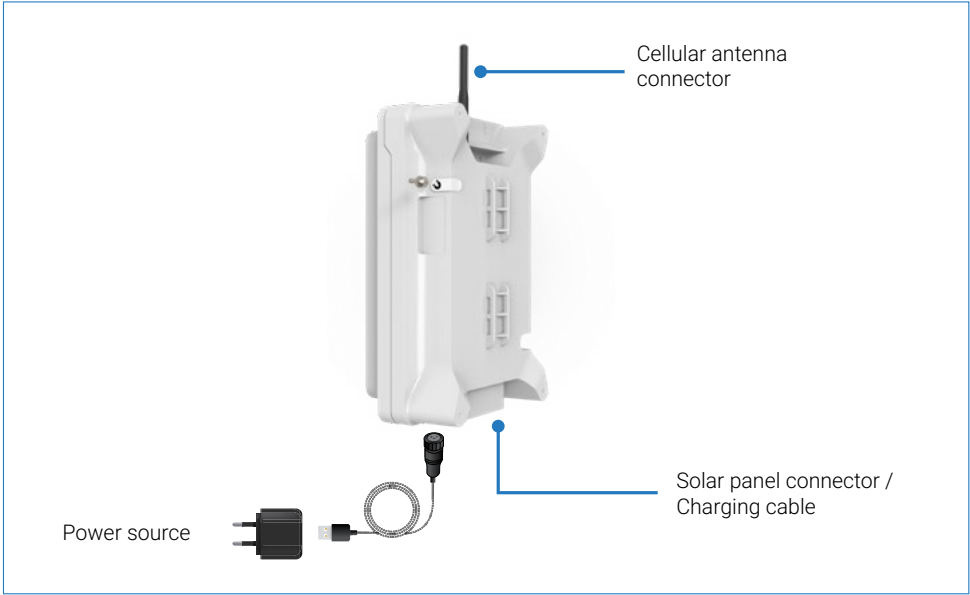
Magnetic
screwdriver
2x50mm



Activation
magnet

Installation Preparation

- 1. Connect the antenna to the device
- 2. Insert SIM card (3gb per month) (not included)
- 3. Wire all your devices to the relevant ports (see supported devices below)
- 4. Connect the power source



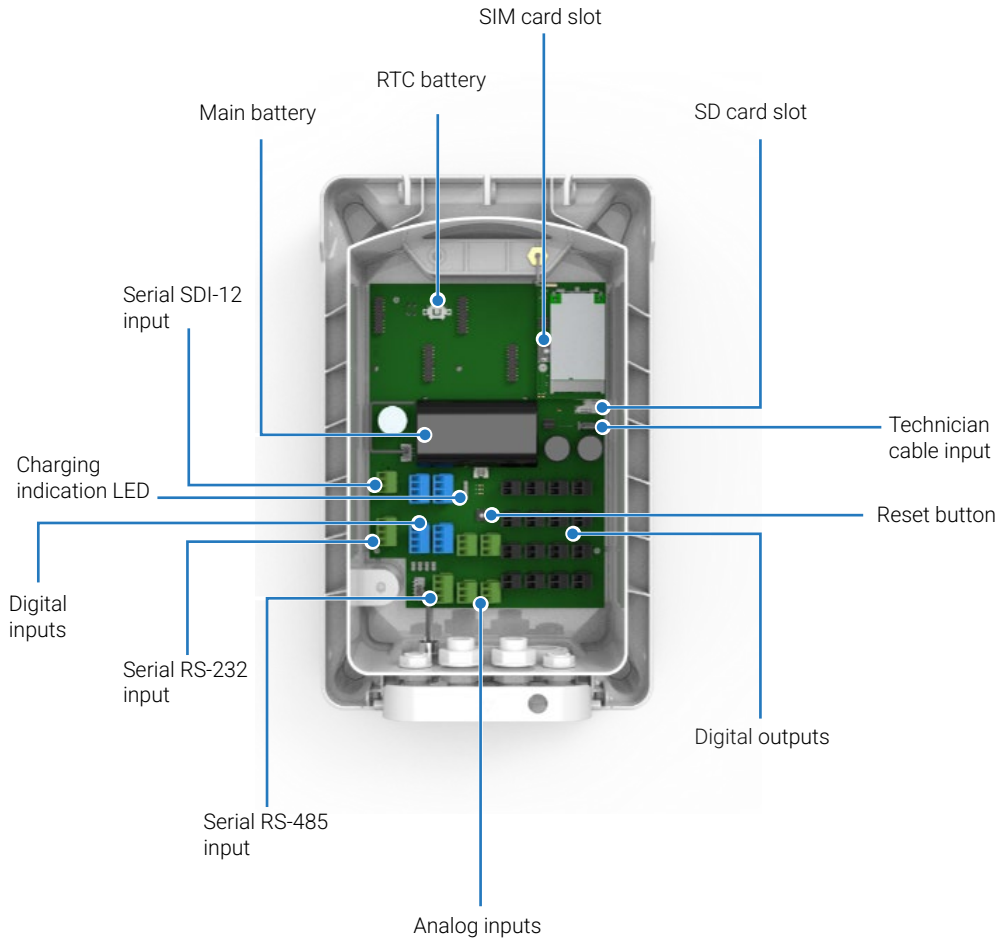
Supported devices

1 Pump	16 DC latch valves	1 Main valve	4 Dosing channels
1 Water meter	4 Dosing meter	1 Booster pump	

Supported devices may be connected in any combination, up to 16 outputs total (pump, valves, main valves, dosing chanel, booster pump)

Wiring Diagram

- DC valves – Connect the valve wires to the digital output's ports, following the + and - markings.
- Digital sensors, such as water/dosing meters, use digital inputs. For these sensors, the location of the wire does not affect functionality.



Setting up your device on the GrowShpere™ app

Step 1

Download the **GrowSphere™** mobile application:

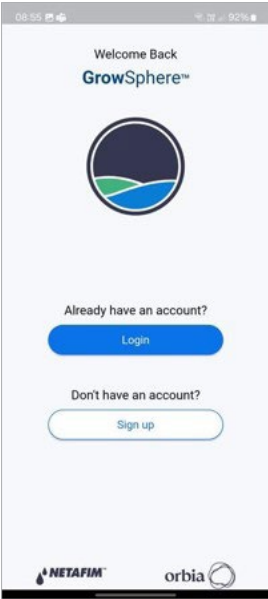


or simply Scan the QR code:



Open the **GrowSphere™** app

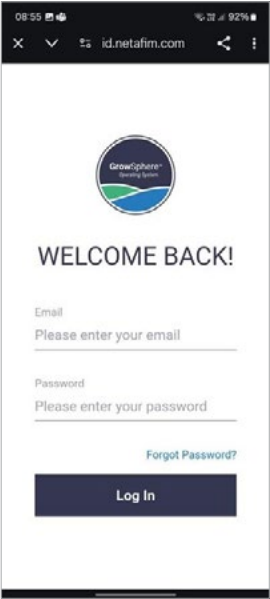
1



Existing user?

Click 'Login'

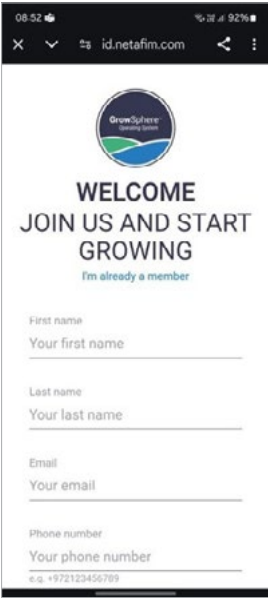
2



New user?

Click 'Sign up' and fill in your details

3



4



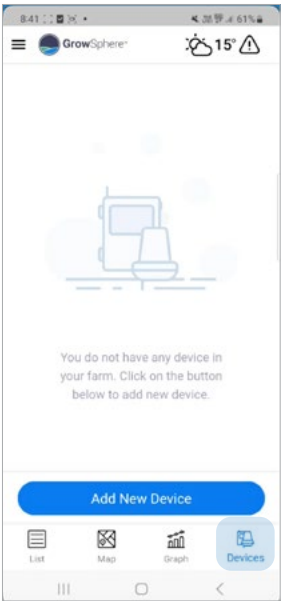
Step 2 - Create a New Farm

- Create a new farm by signing up to the application, or navigate to an existing farm
- Follow the instructions provided in the invitation received from Netafim

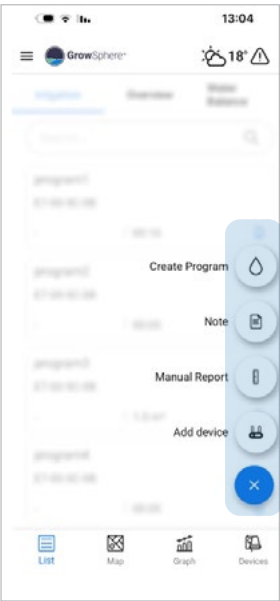
Add the FLEX device to your farm

- Once the farm is created and opened, navigate to the Devices menu or Click on the + icon at the home page

Devices menu

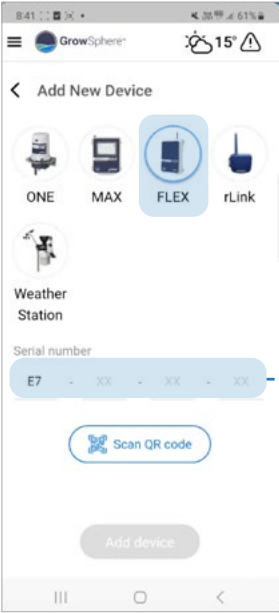


Home page



2

Click Add Device

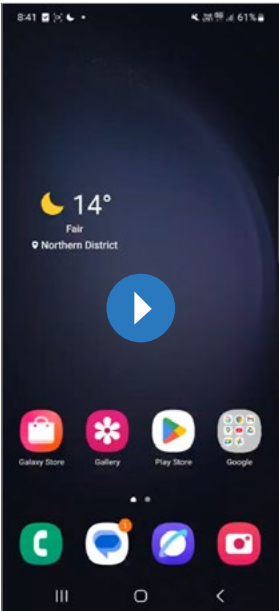


Select the required device type

Manually enter or Scan the Installation Code / Serial Number. This can be found on the side of your FLEX



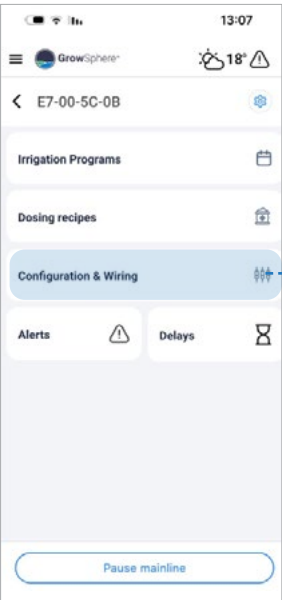
Follow the on-screen instructions to complete the device setup.
Short how to video:



Step 3 - Configure and test the device

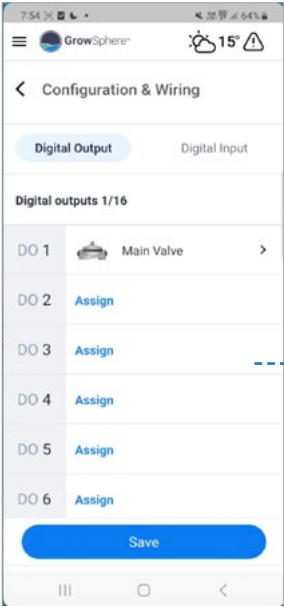
- After the device has been successfully added to your farm, open the DEVICES menu
- Select the relevant device from the list.

1



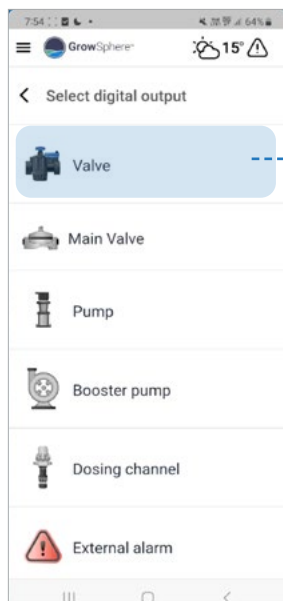
Click Configuration & Wiring

2



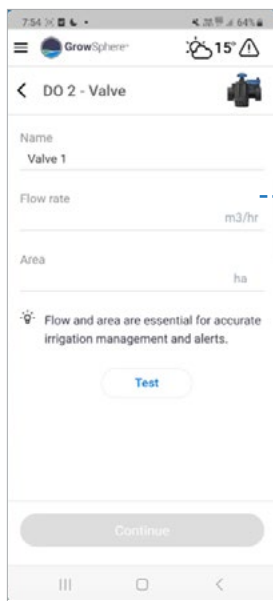
Select the relevant input/output

3



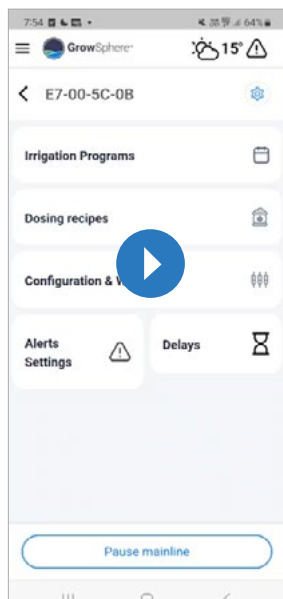
Choose the instrument you wish to assign to it

4



set the relevant parameters and test the outputs

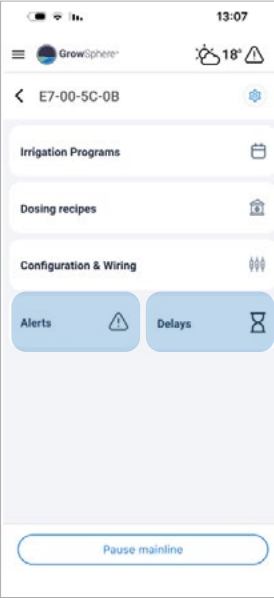
Short how to video:



Step 4 - Configure alerts and delays

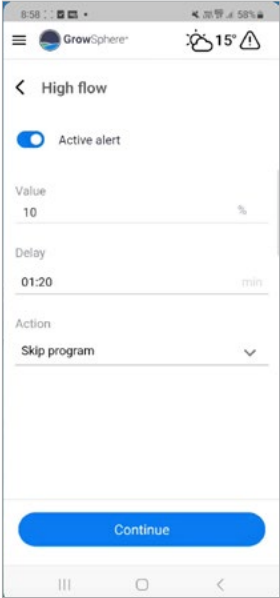
- Once your FLEX device is connected to all valves and peripherals, configure the system alerts and delays to ensure safe irrigation operation.
- Open the DEVICES menu.
- Select the relevant device.

1

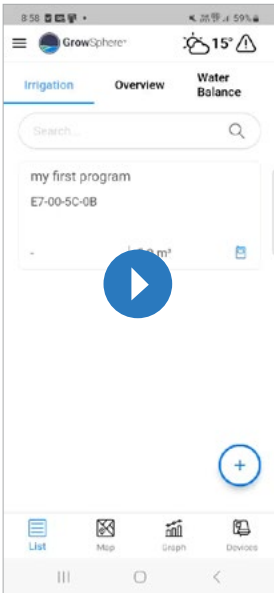


Click • Alerts and Delays

2



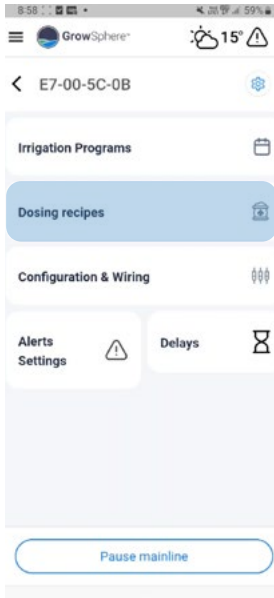
Short how to video:



Follow the on-screen instructions to set alarms and delay parameters according to your system requirements, example image:

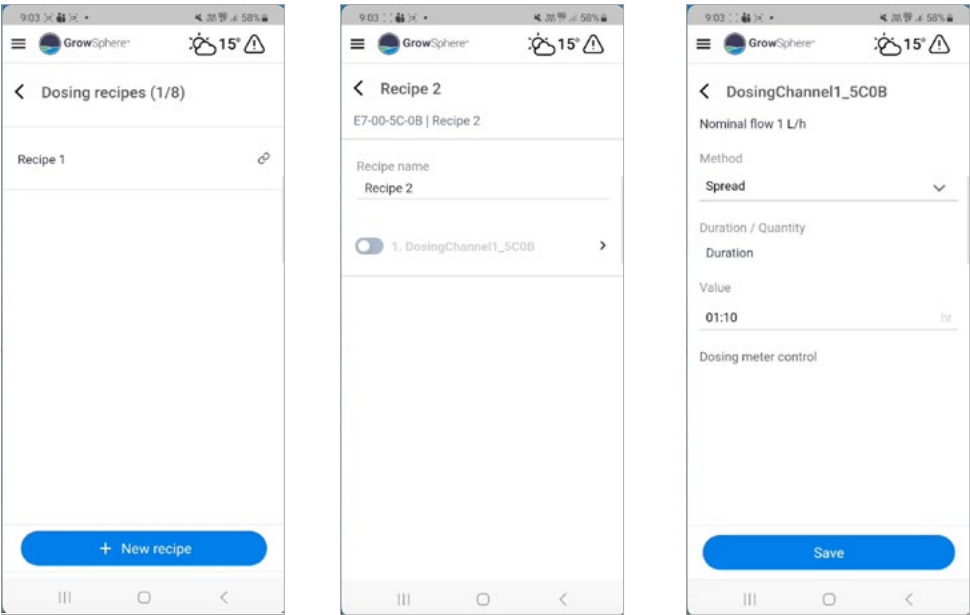
Step 5 - Add a dosing recipe (optional)

- This step is optional and can be completed at a later time.
- Once your FLEX device is fully configured, irrigation and fertilization can begin.
- To add your first dosing recipe, open the DEVICES menu.
- Select the relevant device.

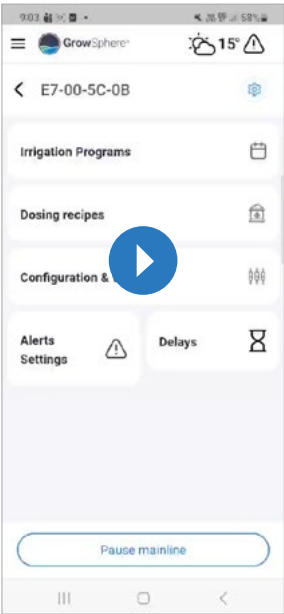


Click
Dosing
Recipes

Follow the on-screen instructions to create and save the recipe

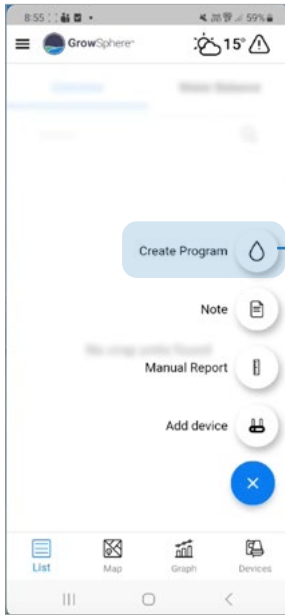


Short how to video:



Step 6 - Create an irrigation program

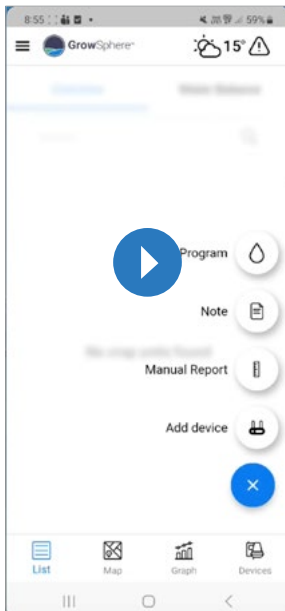
- From the Home screen, tap the + icon (bottom right).



Select
Create
Program

- Follow the step-by-step setup process:
 - » Enter a name for the program.
 - » Define the irrigation shifts.
 - » Set the irrigation amount, duration, or type.
 - » Assign a dosing recipe from the existing recipes list (if applicable).
 - » Select the irrigation schedule (days or interval).
 - » Set the program start times.
- The irrigation program is now ready to run.

Short how to video:





www.netafim.com