



# 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"><li>• Bulk by quantity or time</li><li>• Spread by time</li></ul>
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:



Antena



Charging cable



Base plate



Bird spikes



Metal cable ties



Plastic bands



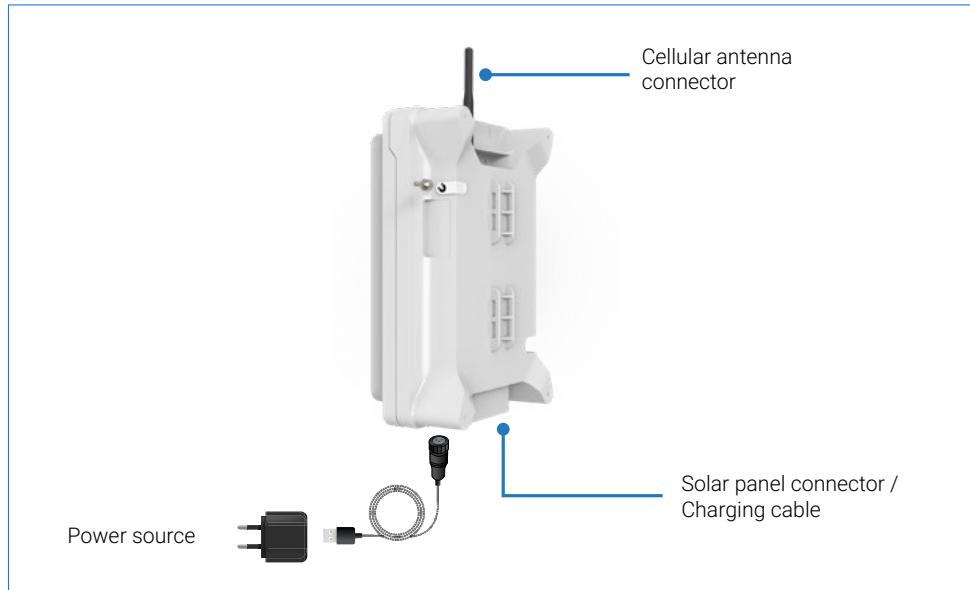
Magnetic  
screwdriver  
2x50mm



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



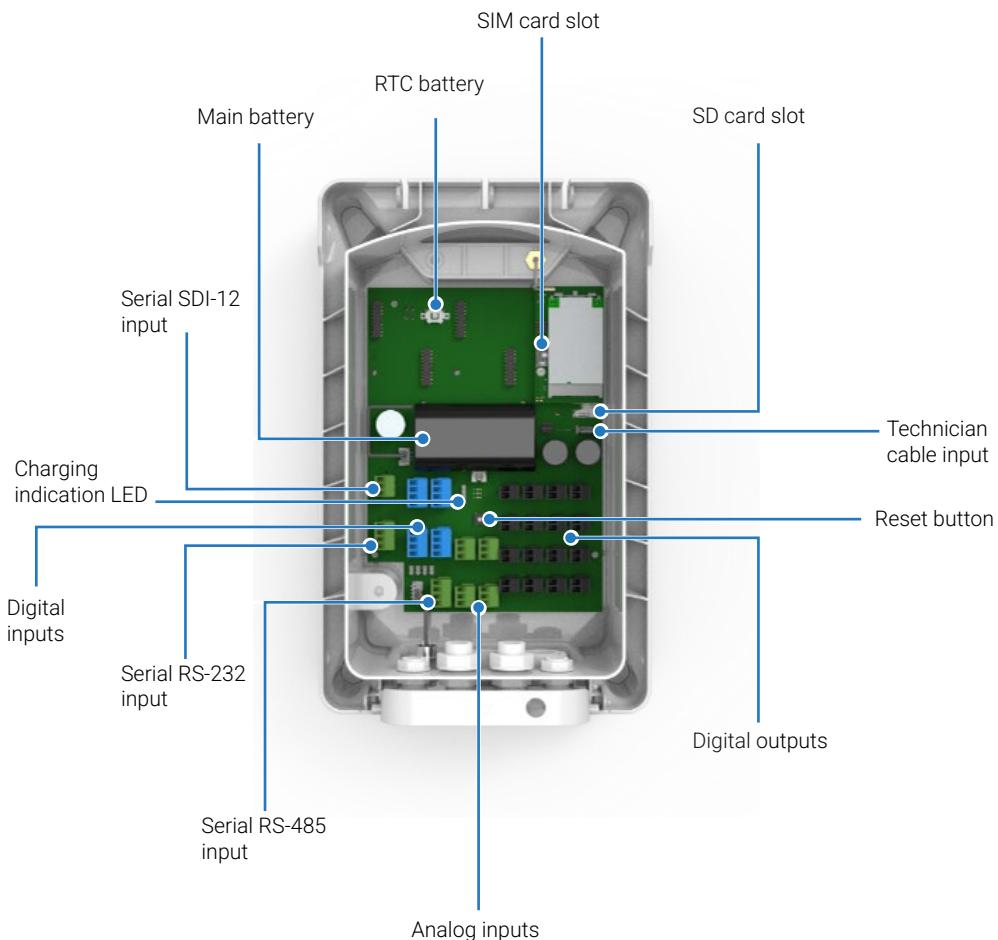
## Supported devices

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 channels, 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

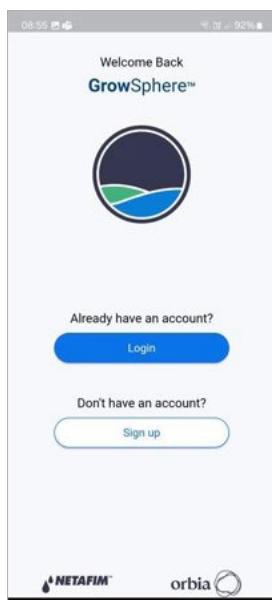
Download the **GrowSphere™** mobile application:



or simply Scan the QR code:

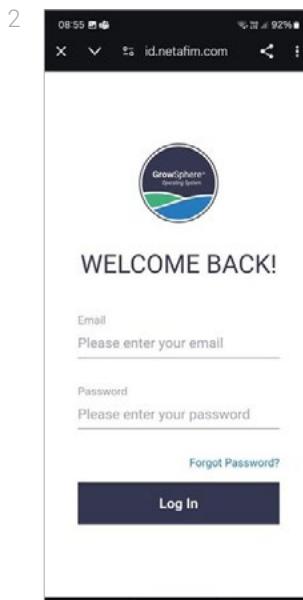


1 Open the **GrowSphere™** app



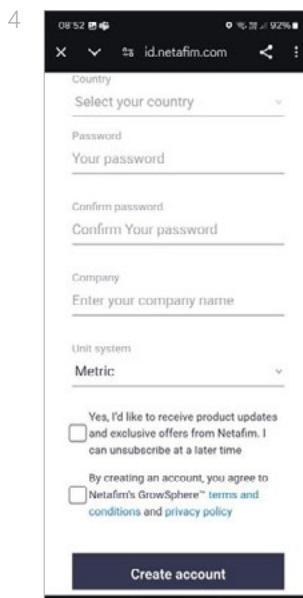
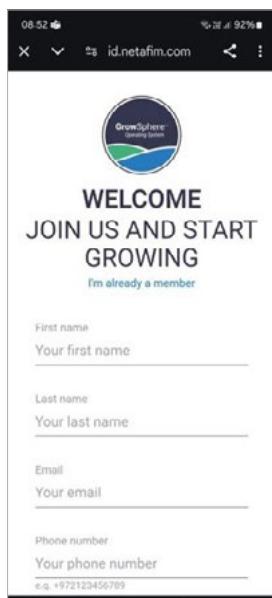
2 Existing user?

Click 'Login'



3 New user?

Click 'Sign up' and fill in your details



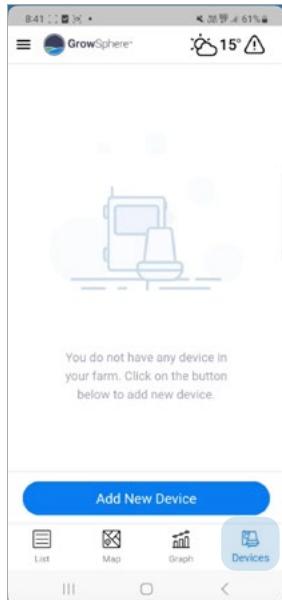
## Step 2 - Create a New Farm

- 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

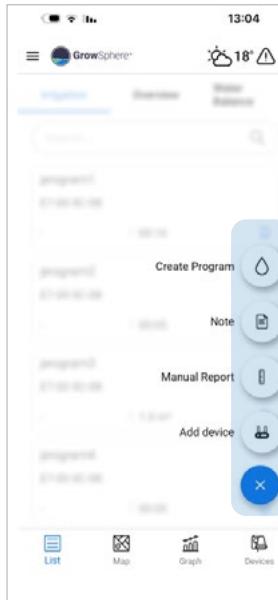
### Add the FLEX device to your farm

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

Devices menu

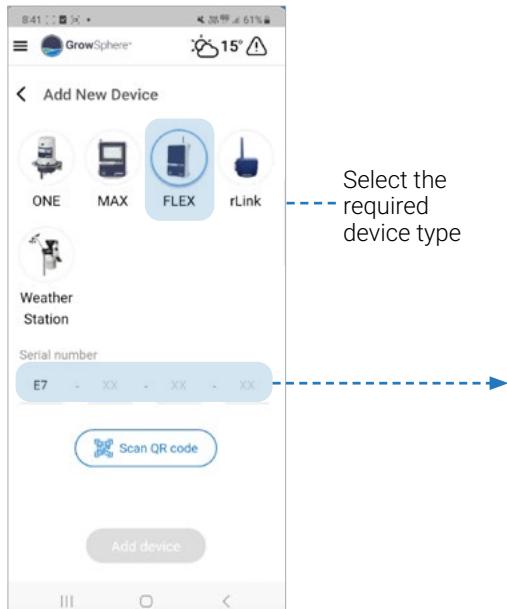


Home page



2

## Click Add Device



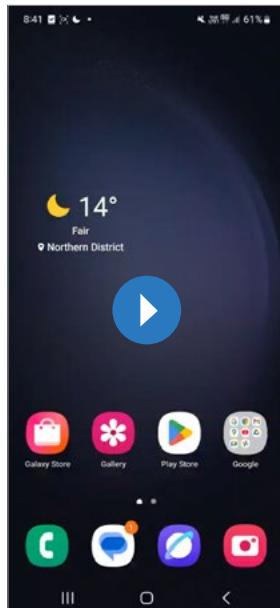
Select the required device type

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.

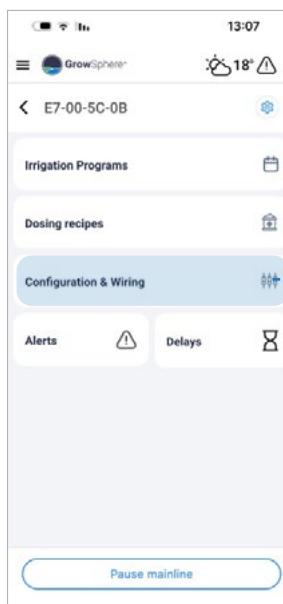
Short how to video:



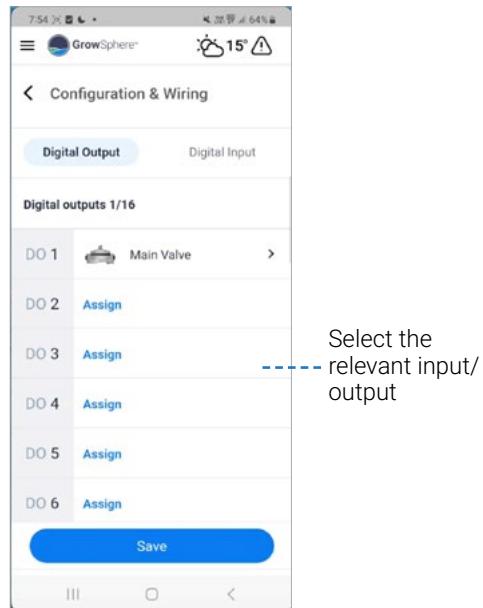
## Step 3 - Configure and test the device

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

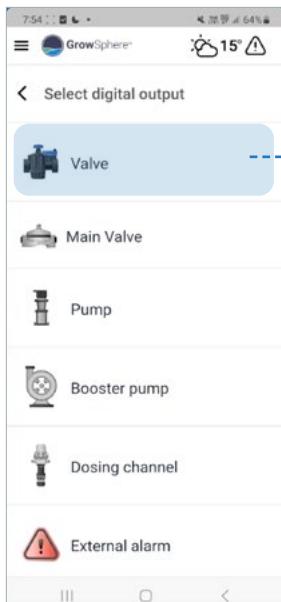
1



2

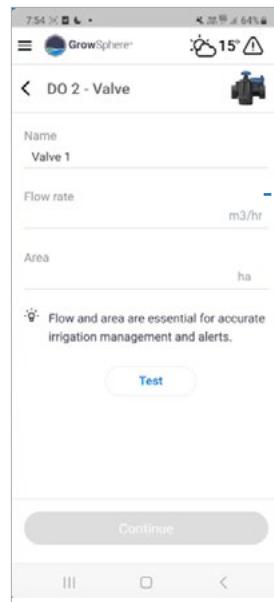


3



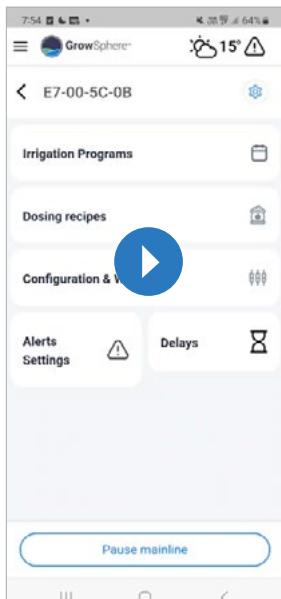
Choose the instrument you wish to assign to it

4



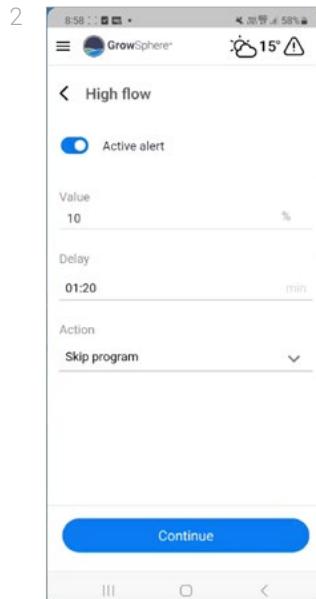
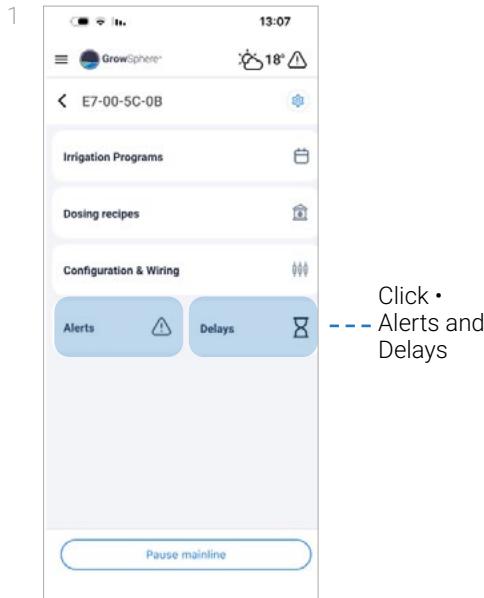
set the relevant parameters and test the outputs

Short how to video:

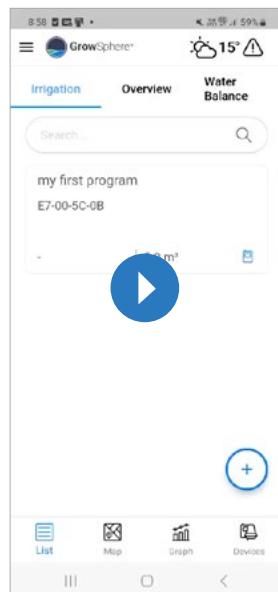


## Step 4 - Configure alerts and delays

- 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.



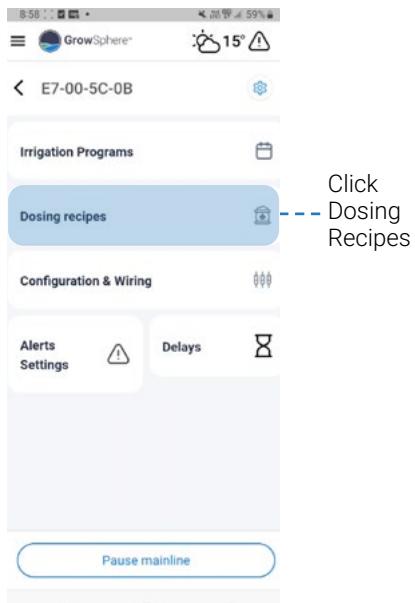
Short how to video:



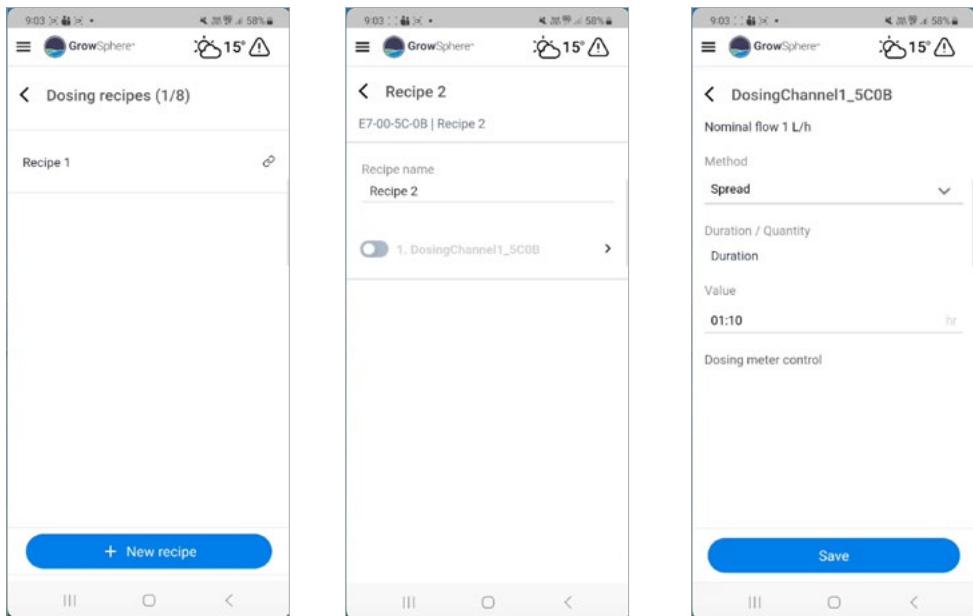
Follow the on-screen instructions to set alarms and delay parameters according to your system requirements, example image:

## Step 5 - Add a dosing recipe (optional)

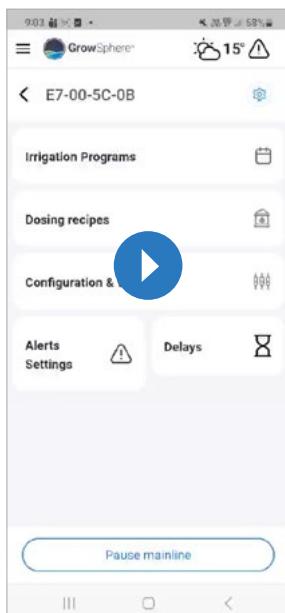
- This step is optional and can be completed at a later time.
- Once your FLEX device is fully configured, irrigation and fertilization can begin.
- To add your first dosing recipe, open the DEVICES menu.
- Select the relevant device.



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

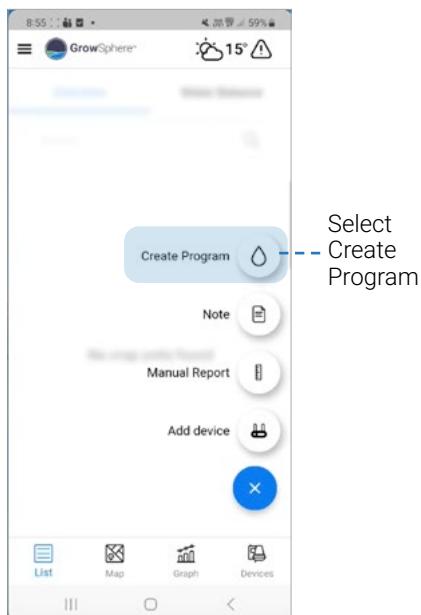


Short how to video:



## Step 6 - Create an irrigation program

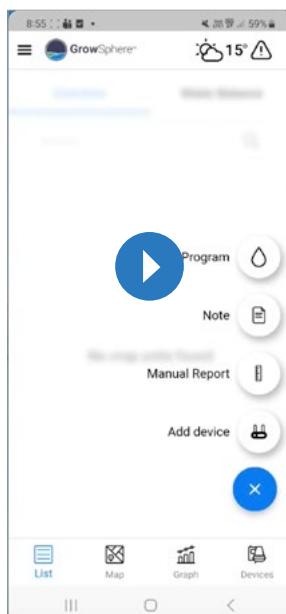
- From the Home screen, tap the + icon (bottom right).



- 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](http://www.netafim.com)