

Set it up safely

Watering is disabled when shipped. Enable each plant only after assembly and a supervised test.

Recommended starting settings

MOISTURE TARGET

92%

Sensor Mode, adjustable 0-100%

PUMP FLOW

Strong / High

Each run starts with a 1-second full-power boost

RUN TIME

8 seconds

Sensor 3-30 sec | Timer 3-300 sec

Daily controls

- Tap PAGE to wake the OLED or move to the next screen.
- Use the local web app to enable plants, change settings, water manually, pause, stop, and review history.
- Blue Water light blinking: inspect the water path and move the sensor close to the nozzle or water-ring outlet.
- White Wi-Fi light on: connecting, in setup mode, or offline. Watering can still run offline in Sensor Mode.

Power

Use the included USB-PD 9V adapter and USB-C cable. Keep the controller and every electrical connection dry.

v5.0.1 QUICK SETUP

Quick help

No setup page?

Join plantmate_Setup_XXXX and open <http://192.168.4.1>.

plantmate.local will not open?

Use <http://>, confirm the same home Wi-Fi, or enter the IP on OLED Screen 1.

Pump runs but no water arrives?

Submerge and prime the pump, remove kinks and air locks, and confirm the correct port.

Tank full but Water light blinks?

Move the moisture sensor close to the nozzle or water-ring outlet, then inspect the full water path.

In the box

- PMWC-02 controller
- 2 soil-moisture sensors
- 2 submersible pumps
- Water tubing
- 2 halo water rings
- 6 support sticks
- USB-PD 9V adapter
- USB-C cable
- Quick Setup Guide

Not included: water container, scissors, and optional FAT32 microSD card (up to 16 GB).

SUPPORT & WARRANTY

One-year limited warranty plantmateinfo@gmail.com
www.plantmate.ca

PLANTMATE

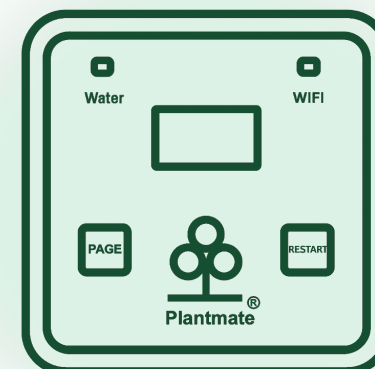
Plantmate G2

Automatic Watering System

Quick Setup Guide

MODEL PMWC-02

FIRMWARE 5.0.1



Scan for the full user guide

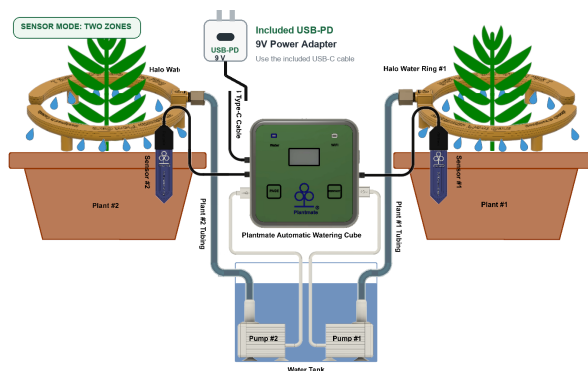


plantmate.ca | Full user guide

Keep this guide near Plantmate for setup, reset, and status help.

Connect the system

Sensor mode monitors up to two individual plants.
Timer mode can split either pump line to several pots.



- 1 Fit three support sticks to each halo ring and place each ring level on the soil, with outlet holes facing the soil.
- 2 Insert each sensor into the active root zone near the ring outlets. Keep the connector and cable above the soil.
- 3 Connect the pumps and tubing to the matching numbered ports. Leave gentle bends with no kinks.
- 4 Place both pumps fully underwater. Keep the container below the pots and the controller above spill level.

Many plants in Timer Mode

Use branch fittings and extra tubing (not included), then test every outlet. Adjust run time and flow so every pot receives the right amount.

WATER ERROR: move the moisture sensor close to the nozzle or water-ring outlet so the 30-second check reaches the wetted area.

First-time setup

- 1 Complete all water connections, then connect the included USB-PD 9V adapter and USB-C cable.
- 2 On your phone or computer, join plantmate_Setup_XXXX. No setup password is required.
- 3 If the setup page does not open, enter <http://192.168.4.1> and choose Configure Wi-Fi.
- 4 Select your 2.4 GHz home Wi-Fi, enter its password, and save. Plantmate restarts.
- 5 On the same home Wi-Fi, open <http://plantmate.local>, scan OLED Screen 9, or use the IP on OLED Screen 1.
- 6 Open Plants. Configure Sensor or Timer Mode, save, then switch Auto-watering on for each plant you use.

Run a supervised test

- Tap Water now for one enabled plant.
- Watch the pump, tubing, ring, pot, and sensor area.
- Tap STOP immediately for leaks, kinks, air locks, or the wrong pump.
- The first run may mainly prime empty tubing; inspect before testing again.

If setup timed out

Hold PAGE for 4 seconds on OLED Screen 1 when it says Wi-Fi: NOT SET UP. The temporary setup network reopens for about three minutes.

Before unattended use

- Test every enabled pump line and outlet.
- Secure tubing, rings, sensors, and the water container.
- Confirm enough clean water for the planned interval.
- Keep the controller high, stable, and completely dry.

Use, reset & recover

Watering modes

- Sensor Mode: starts below the target, stops early at target + 5%, waits 30 seconds, and can try up to three times.
- Timer Mode: runs every 1-30 days and can feed many plants through split tubing. It does not verify each pot or detect an empty tank.
- Manual Water now uses the selected full duration. STOP creates a 10-minute automatic watering cooldown.

Reset & recovery

Restart Wi-Fi setup

Disconnect power. Hold PAGE before reconnecting power, keep holding during startup, then release. Wi-Fi credentials are cleared; plant settings remain.

Full factory reset

OLED Screen 10: select FACTORY RESET, hold PAGE 4 seconds, then release. Or use Settings > Factory reset.

Factory reset erases profiles, calibration, Telegram settings, history, SD logs, and Wi-Fi. It cannot be undone.

Safety

- Keep controller and electrical connections dry.
- Unplug before cleaning, moving tubing, or handling connectors.
- Use clean water and keep each pump submerged while running.
- Supervise the system after setup, repotting, maintenance, or setting changes.