

Set it your way

Press **Wake Up** to view settings. Press **Page** to move through screens and **O.K.** to change or save a value.

TARGET MOISTURE

0-98% in 2% steps

Recommended starting point: **92%**

PUMP FLOW

Low / Medium / High

Recommended: **High**

WATER TIME

2-20 seconds in 2-second steps

Recommended starting point: **8 seconds**

Daily operation

- The Cube sleeps between checks to save power and wakes automatically after about **6 hours**.
- Press **Wake Up** anytime to check moisture, battery, or settings.

STATUS LIGHTS

-  **Blue flashing:** refill the water tank.
-  **Red flashing:** battery is at 5% or lower; watering is blocked until replaced.

Power

Use **four matching 1.5 V alkaline AA batteries** installed together, or a regulated **5 V USB-C** supply. Do not mix old and new batteries. Duracell or Energizer Max are recommended.

V06.3 QUICK SETUP GUIDE

Quick help

The display is off.

Press **Wake Up**. Sleep is normal and saves battery power.

Water flow is weak.

Use **High** flow, shorten the tube, and keep the tank near pot level.

The tank is full, but blue flashes.

Move the moisture sensor close to the nozzle, confirm the pump is submerged, and check tubing for kinks.

Can I use wall power?

Yes. Use a regulated 5 V USB supply and USB-C cable.

In the package

- | | |
|-------------------------|-------------------------|
| 1. Watering Cube | 4. Water tubing |
| 2. Soil moisture sensor | 5. Halo ring + 3 sticks |
| 3. Water pump | 6. User guide |

Not included: batteries, USB-C cable, USB adapter, and water reservoir.

SUPPORT & WARRANTY

One-year limited warranty

plantmateinfo@gmail.com
www.plantmate.ca

MODEL PMWC-01



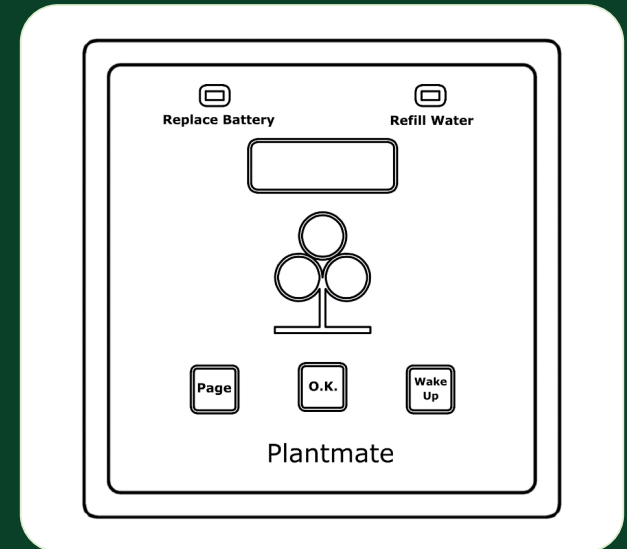
PLANTMATE

Automatic Watering Cube

Quick User Guide

MODEL PMWC-01

FIRMWARE V06.3



Scan for PlantMate
setup videos

Keep this guide near your Cube for quick
settings and status help.

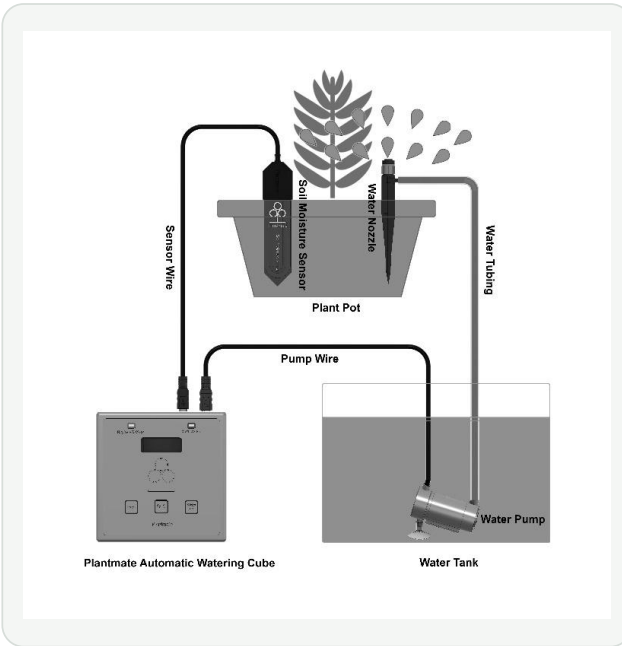
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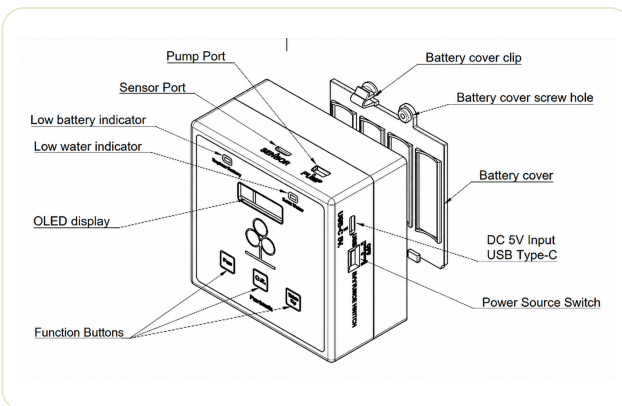
One-year limited warranty

Connect the system

Place the sensor close to a nozzle so it can detect the water delivered to the soil.



Know your Cube



Top: sensor and pump ports. Side: USB-C input and power-source switch. Front: OLED, red low-battery LED, blue refill LED, and three buttons.

First-time setup

- 1 Fit the **3 sticks** to the halo water ring and place the ring on the soil.
- 2 Insert the moisture sensor near a nozzle. Do not let the sensor touch the nozzle.
- 3 Connect the sensor, pump, and tubing as shown. Check every connection is snug.
- 4 Place the pump fully inside a suitable water tank. Keep the Cube dry and above spill level.
- 5 Install four matching alkaline AA batteries or connect regulated 5 V USB-C power.
- 6 Select the power source, switch on, then complete calibration and target setup.

Calibration

- Leave the sensor completely dry in air. Save the **DRY** value.
- Place the sensing area in clean water. Save the **WET** value.
- A check mark confirms each value. Reversed values are corrected; readings too close together are rejected.

Recalibrate if moisture readings do not match the soil condition.

PLACEMENT TIP

Keep the tank close to pot height, avoid long tubing runs, and position the Cube where splashes cannot reach it.

Screens & watering

Six display screens

- 1 Live moisture and target
- 2 Pump flow: Low / Medium / High
- 3 Water time: 2-20 seconds
- 4 Battery level
- 5 Dry / wet calibration
- 6 Last Watered - shows NOT YET before the first confirmed watering

Automatic watering workflow

- 1 If moisture is below target, the pump starts.
- 2 It stops after three stable readings at **target + 5%** (never above 100%), or when the selected maximum time is reached.
- 3 The Cube waits **15 seconds** for soaking, then checks moisture again.
- 4 If still below target, it can repeat - up to **3 pump runs** total.
- 5 A total increase of 2% or more confirms watering and updates Last Watered.

Alerts and control

- If total moisture rises less than 2%, the OLED shows **REFILL WATER** for about 4 seconds, then turns off while the **blue LED** keeps flashing.
- At **5% battery or lower**, the **red LED** flashes and pumping is blocked.
- Press **Page** or **O.K.** during pumping to cancel safely.