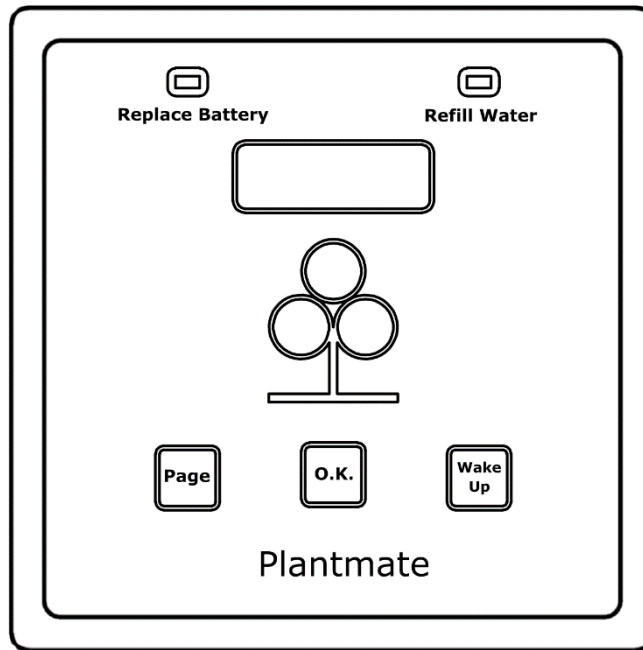**PlantMate Automatic Watering Cube**

<u>User Guide</u>

Scan to watch how to use the Cube on Video
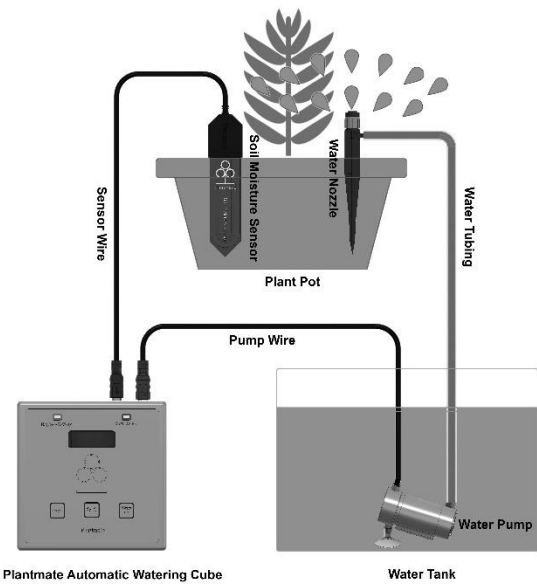

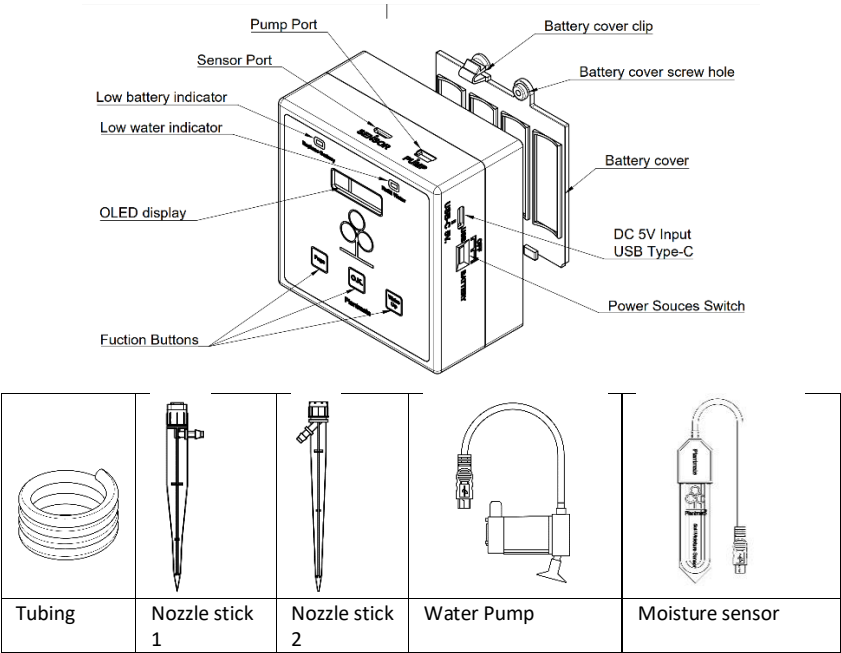**PlantMate ®**

Model: PMWC-01

www.plantmate.ca

plantmateinfo@gmail.com

The Illustration:

Notable design features:

Tubing	Nozzle stick 1	Nozzle stick 2	Water Pump	Moisture sensor

Note: *You can't make any change in settings while the water pump is running, because the previous moisture in the setting was lower than the real-time moisture that the moisture sensor is detecting, if so, place the moisture sensor into the water while doing this setting, the water pump will stop running when moisture is 100%.*

Get things ready:
(*Water container and Batteries purchased separately.*)

1. A cloth to wipe the water if needed;

2. Ensure you have a water container that can accommodate the pump. ③

3. Make sure the power switch is at the OFF position, place the 4 AA batteries into the cube (*see how to replace batteries*) or a USB-C cable that connects to a USB power source; ②

4. Connect the water tubing to the pump and the nozzle stick;

5. Connect the moisture sensor cable to the Sensor Port on the cube;

6. Connect the pump cable to the Pump Port on the cube

Steps:

1. Select the power source on the power switch to turn on the system;

2. Insert the moisture sensor into the soil;

3. Insert the nozzle stick to the soil;

4. Place the pump into the water container.

OLED Display: (It has total 6 screens on the display)

If the screen doesn't light up, press the **[WakeUp]** button to wake it. → *Refer:* ①

Screen 1:	Battery: 80% ▮▮▮▮ Moisture: 75% Raw: 831 OK NEXT
Battery Level & Real-time Moisture Percentage	
Press **[OK]** button to Screen 2	

Screen 2:	Moisture: 75% Page CHANGE OK SAVE
Moisture Setting	
Press **[Page]** button to make change, **[OK]** button to save change and access Screen 3	

Screen 3:	Pump Speed: High Page CHANGE OK SAVE
Pump Speed Setting	
Press **[Page]** button to make change, **[OK]** button to save change and access Screen 4	

Screen 4:	Waterstop: 6 sec. Page CHANGE OK SAVE
Waterstop Setting	
Press **[Page]** button to make change, **[OK]** button to save change and access Screen 5	

Screen 5:	Calibration? Page SKIP OK START
Calibration	
Press **[Page]** button to skip, **[OK]** button to start	

Screen 6:	Model: PMWC-01 V02.2 PLANTMATE.CA OK EXIT
System Information	
All set, all settings stored in internal memory, it won't be lost even if power is off. Press **[OK]** button to Exit	

Setting explanation:

1. **Moisture**: Moisture Levels, 0% to 95% (recommended: 90%)

2. **Pump Speed**: 3 Pump Speed Levels, High, Medi and Low (recommended: High)

3. **Waterstop**: Water stop period, 4, 6, 8,10,12,14 and 16 seconds. (Recommended: 8)
   (Water pump will run this period then stop for several seconds to wait for the soil to soak up the water. The system will run this period again automatically if it needed.)

① **System will go into Sleep-mode for 6 hours in a very short time when no operation is received or needed. (Press [Wake Up] button to continue operation if needed.)**

Blue LED light flashing: Water tank is empty, water refill needed.

Red LED light flashing: Batteries need to be replaced.
System won't function until batteries are replaced. All settings stored in internal memory. No reset settings are needed even if power is off.

② **System needs 4 * AA 1.5V Alkaline Batteries or USB-C Cable (Not included).**
 *** Recommended battery brands: Duracell, Energizer Max.**

③ **Container for water that can fit the water pump. (Not included)**

Frequently asked questions:

- **How to do settings and check status?**
  A: Press the **[WakeUp]** button. ④ ①

- **What kind of battery is needed?**
  A: 4 AA 1.5V batteries. For better results, recommend Duracell

- **How long does the battery last?**
  A: battery can last for a year for normal use.

- **How to do calibration?**
  A: Navigate to Screen 5-Calibration, Leave the sensor in air (completely dry), press **OK** to capture, A ✓ checkmark confirms saving then, place the sensor in a cup of clean water, press OK to capture, A ✓ checkmark confirms saving.

- **Why the device is doing nothing when it is in sleep mode?**
  A: When asleep, the Cube is completely inactive. It will NOT water your plant, even if the soil is dry or the sensor is exposed to air. It will be inactive for 6 hours then wakes up by its own to check on the soil moisture. To wake it up, press the [WakeUp] if needed.

- **Why the water flow only works on 'High' pump speed setting?**
  A: We recommend the water pump speed setting always at "HIGH". If the tubing is too long, or if the plant pot is much higher than the water tank, the pump may struggle at low speeds. This makes the water appear to be either too weak or not flowing at all.

- **Can I use wall power instead of the battery?**
  A: Yes. You can use a USB type C cable connected to a 5.0V USB adapter to use wall power or other power source.

- **The device indicate"check water needed" but the water level is full?**
  A: Ensure the soil moisture sensor is correctly positioned relative to the water nozzle. If it's too far away, it may not detect moisture accurately. Position the sensor closer to the nozzle for accurate detection.

📦 **Warranty & Support**

Your device is covered by a **1-year warranty**.

Need help?

📧 **plantmateinfo@gmail.com**

🌐 **www.plantmate.ca**

Includes in package:
1. PlantMate Automatic Watering Cube;
2. PlantMate Soil Moisture Sensor;
3. Water Pump;
4. Water tubing;
5. Water ring and stick *3;
6. User Guide.

Model: PAWC-01

UPC: ‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖