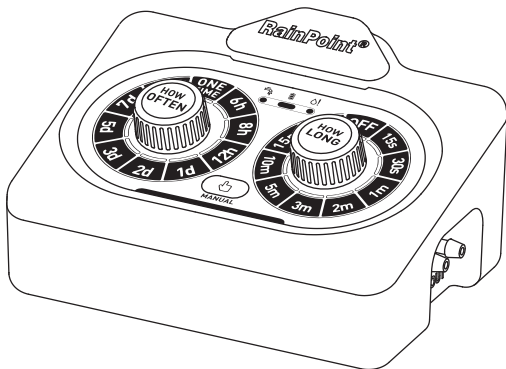


USER MANUAL

Automatic Indoor Drip Irrigation Pump Kit



Model No. IK159



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WARM TIPS

PLEASE READ BEFORE USING



Make sure the tubing is fully inserted and firmly connected to the IN and OUT ports to prevent leaks.



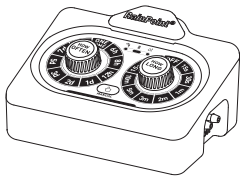
Position the pump higher than the water source to avoid siphoning.



Only use with clean cold water.

1. INTRODUCTION

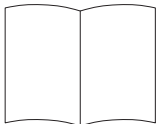
1.1 Package Contents



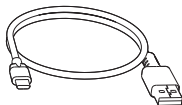
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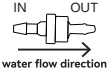


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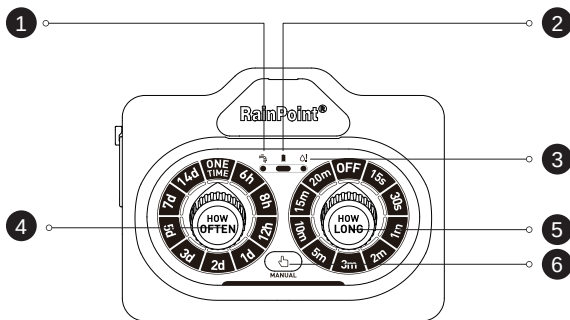


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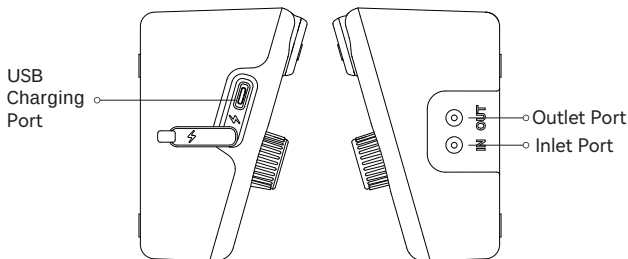
1. 1 X IK159 Indoor Watering Pump
2. 1 X User Manual
3. 1 X Detachable Rear Hook
4. 1 X USB-C Cable
5. 1 X Accessories Kit (See next page)

Accessories Included	Name	PCS	Function
	Tubing	1	Tubing for Main Line Length: 49.2 ft (15 m) Inner diameter: 1/6" (4 mm)
	Tubing	1	Tubing for Branch Line Length: 16.4 ft (5 m) Inner diameter: 1/8" (3 mm)
	Filter	1	Filter impurities from water
	End Plug	3	Stop water flow at the end of the tubings
	Micro Drip Emitter	15	Insert into soil to water the plant root directly
	T-shaped Barb	15	Split the water flow and connect the 1/6" (4 mm) tubing to the 1/8" (3 mm) tee
	Cross Barb	1	Split water flow and connect tubings
	Anti-Siphon Valve	1	Prevent siphoning and backflow
	Zip Tie	15	Secure and organize tubings

1.2 Product Overview



- 1 Power/Charging Indicator**
 - Breathing green: Charging
 - Yellow: Low battery
 - Red flashes twice: Battery depleted; unit cannot operate
- 2 Watering Status Indicator**
 - Fast flashing green: Setting frequency or duration
 - Solid green: Confirming settings
 - Flashing green: Watering/pump running
 - Flashing red: OFF status—schedule cannot be set
- 3 Water Shortage Indicator**
 - Fast flashing red: Water shortage alert
- 4 HOW OFTEN Knob**
 - Sets watering frequency
- 5 HOW LONG Knob**
 - Sets watering duration (OFF to turn off)
- 6 MANUAL Button**
 - Manually starts or stops watering



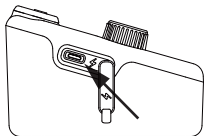
1.3 Specifications

Parameter	Value
Working Temperature	37-122 °F (3-50 °C)
Power Supply	USB-C, 5V/1A
Flow Rate	30 L/h
Max Head	3 m
Battery Capacity	2000 mAh

2. PRODUCT INSTALLATION

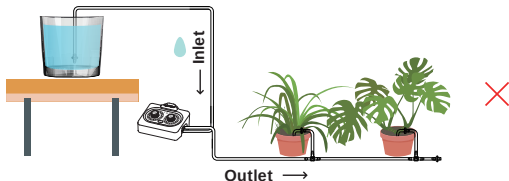
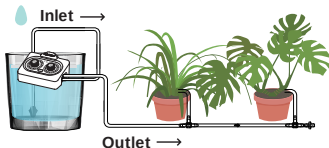
2.1 Pump Charging

- 1) Plug the included USB-C cable into the USB-C port on the pump.
- 2) Connect the other end to a 5V 1A USB power adapter (not included).
- 3) When fully charged, the battery icon will stay .

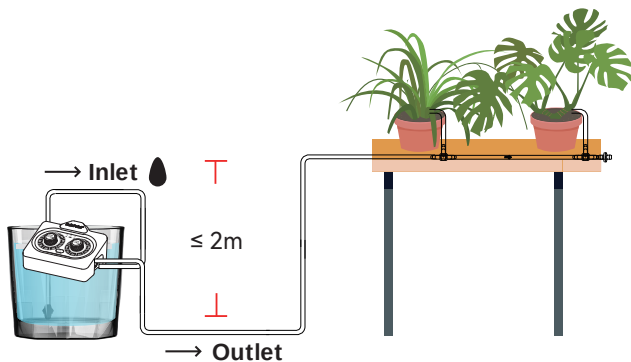


2.2 Pump Placement and Height Difference

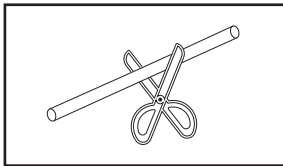
- Place the pump at or above the reservoir water level. Do not place the pump below the water level. This prevents siphoning/backflow and helps avoid leaks or overwatering.



- Maximum height difference ≤ 6.6 ft (2 m)

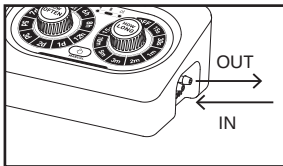


2.3 Tubing Connection



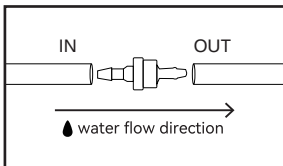
Step 1:

Plan the drip irrigation layout and cut the tubing to the required lengths.



Step 2:

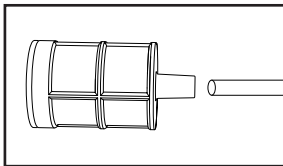
Connect the 1/6" (4 mm) tubing to the water inlet and outlet ports.



Step 3:

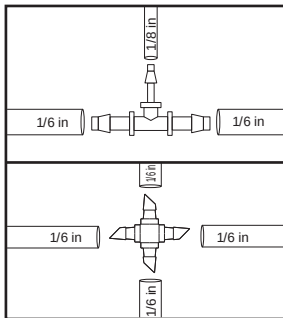
Attach the anti-siphon valve to outlet tubing near the pump. This helps prevent backflow and siphoning.

Note: Ensure the valve is installed in the correct flow direction.



Step 4:

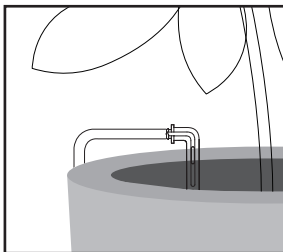
Attach the filter to the other end of the water inlet tubing, then place the filter into the water container.



Step 5:

Connecting the Appropriate Barb Fittings:

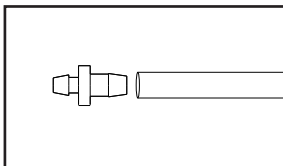
- 1) To split a 1/6" (4 mm) tubing into two directions, use a T-shaped barb fitting.
- 2) To split the tubing into three directions, use a cross barb fitting.



Step 6:

Connect a micro drip emitter to the end of each branch tubing to deliver targeted watering at the base of each plant.

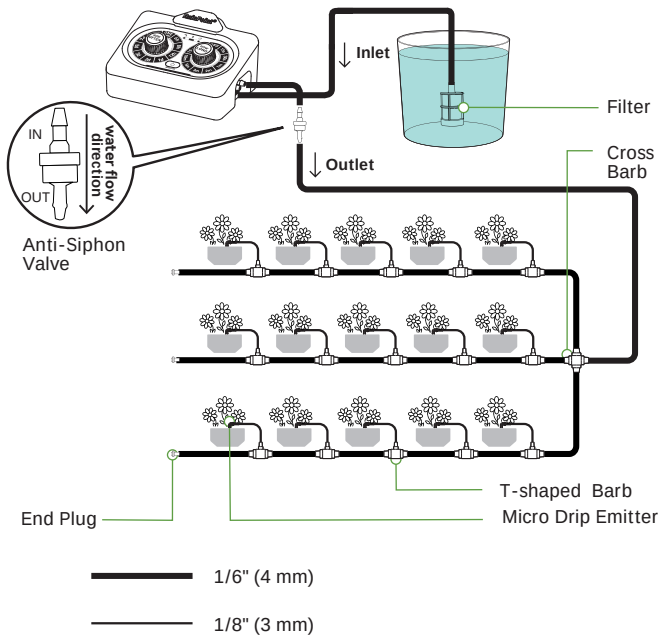
Note: Loosen the soil before inserting the emitter at least 3" (8 cm) deep. This helps water reach the plant roots effectively.



Step 7:

After water starts flowing from the end of the tubing, insert the end plug to release any remaining air from the line.

Connect components in the following order:



Tips: Install tubing end plug after water has flowed from the pipe end.

2.4 System Testing

Before first use, test the system to ensure proper operation:

- Set HOW OFTEN to a desired interval (or ONE TIME for a one-time test).
- Set HOW LONG to a desired watering duration (not OFF).
- Wait for confirmation: The watering status indicator flashes green, then turns solid green briefly. Watering starts automatically for the first cycle.
- Check all tubing connections and fittings for leaks. Reconnect the tubing fully and firmly if needed.

Optional: Press the MANUAL button briefly to stop watering during the test.

3. DEVICE SETTINGS

3.1 Watering Plan Setup

STEP 1: HOW OFTEN SETTING

Turn the "HOW OFTEN" knob to set the watering interval.

Available interval options: ONE TIME, 6h, 8h, 12h, 1d, 2d, 3d, 5d, 7d, 14d.

ONE TIME mode: When the "HOW OFTEN" knob is set to ONE TIME, the plan runs as a one-time watering only (no repeat schedule). To start another one-time watering, rotate the "HOW LONG" knob to any other position and then rotate it back to the desired duration.

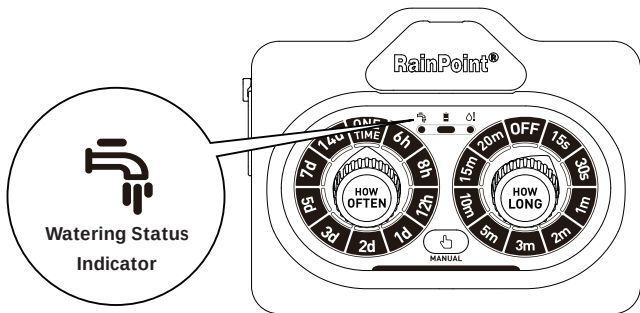
STEP 2: HOW LONG SETTING

Turn the "HOW LONG" knob to set the watering duration.

Available duration options: OFF, 15s, 30s, 1m, 2m, 3m, 5m, 10m, 15m, 20m.

When the "HOW LONG" knob is set to OFF, the watering status indicator flashes red for 2 seconds to stop the pump. In OFF status, the schedule cannot be set.

STEP 3: PUMP STARTUP



After interval and duration are selected, the watering status indicator flashes green 5 times quickly and then stays solid green for 2 seconds to confirm the plan. Rotating a knob during flashing will restart the confirmation count.

Once confirmed, watering starts immediately for one cycle. The pump will then water automatically at the preset interval.

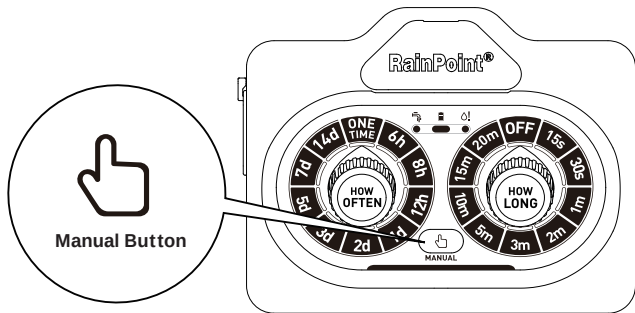
Note:

During watering, rotating any knob or short-pressing the MANUAL button will stop watering. Adjusting and saving new settings will stop the current plan and start the new plan.

3.2 Manual Watering

In non-OFF mode, short-press the MANUAL button to start manual watering.

Manual watering runs according to the current HOW LONG setting. Short-press the MANUAL button again to stop watering.



4. TROUBLESHOOTING

Problem	Possible Causes	Solutions
Pump not working / No water from the container	• HOW LONG is set to OFF (plan cannot be saved). • Water shortage detected (no flow through the pump). • Inlet filter is clogged or inlet tubing is not properly connected or submerged. • Pump damaged during shipping or handling.	• Set HOW LONG to a watering duration (not OFF), then set the plan again. • Refill the container and make sure the inlet filter is fully submerged. • Clean the inlet filter and reconnect the inlet tubing firmly. • If still not working, contact customer service.
Water leakage from pump IN/OUT port	• Tubing is not fully inserted or not firmly connected.	• Reconnect the tubing and push it fully into the IN/OUT ports. • Cut the tubing end straight, then reconnect.
Weak water flow	• Pump is too far from the plants, or the tubing is too long. • Air remains in the tubing. • Height difference is too large.	• Move the pump closer to the plants and shorten the tubing if needed. • Let water run from the tubing end for a few seconds to release air, then insert the end plug to seal the line. • Keep the height difference within the specified limit.

5. WARRANTY POLICY

RainPoint provides a 1-year warranty against manufacturing defects in materials and workmanship from the date of purchase. During the warranty period, products found to be defective under normal use and service, as determined solely by RainPoint, will be replaced free of charge.

To request warranty service, email your order ID to service@rainpointonline.com. A response will be provided within 24 hours on working days.

6. CUSTOMER SUPPORT

For setup difficulties, search "**RainPoint**" on YouTube to view installation videos. If the required information is not found in this user manual or if further assistance is needed, contact customer support before returning the product to the store. The local customer support team will provide a solution within 24 hours on working days and may arrange a replacement or refund where applicable.

For efficient support, please provide the following information:

- Order number
- LOT NO. of the device
- Brief description of the problem

Contact information:

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DE Hotline: +49 800-182-0576

UK Hotline: +44 20-4628-3036

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