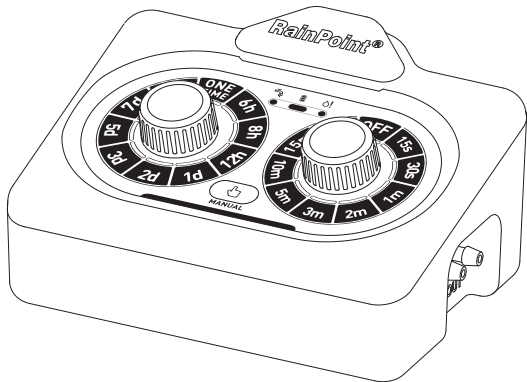


USER MANUAL

Dual-Knob Control Drip Irrigation Kit

Model No. IK159

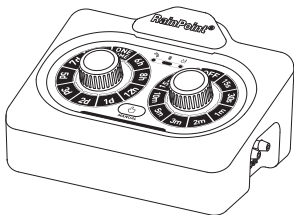


Welcome to the **RAINPOINT** family! Please read the manual before use to learn about the features and functions.

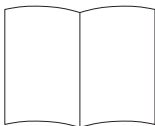
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1. Box Contents



1









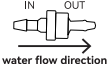


2



3

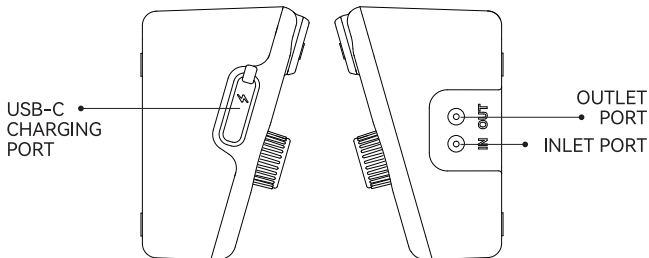
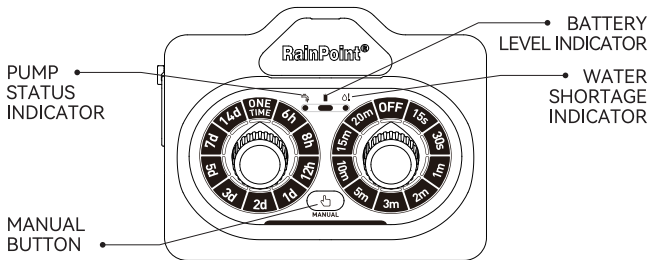
1. 1 X IK159 Dual-Knob Control Pump Timer
2. 1 X User Manual
3. 1 X Detachable Back Hook
4. 1 X IK159 Accessories Kit (See next page)

Accessories Included	Name	PCS	Function
	USB Cable	1	Charge the battery
	Tubing	1	Len: 10m/32.8 ft Inner diameter: 1/6 in. (4mm)
	Filter	1	Filter impurities from water
	Tubing End Plug	3	Stop water flow at the end of the tubings
	Adjustable Drip Emitter	10	Deliver adjustable amount of water
	Support Stake	10	Help to anchor drip tubing and emitter
	T Barb Fitting	10	Split water flow and connect tubings
	Cross Barb Fitting	1	Split water flow and connect tubings
	Anti-Siphon Valve	1	Prevent siphoning and backflow

Note: The standard kit include accessories for 10 pots. Expansion kit could be purchased separately to expand total coverage.

2. Introduction

2.1 Product Overview



1. **Pump Status Indicator**

- Flash green: Pump is working

2. **Battery Level Indicator**

- Keep being green for 1 min: High battery level
- Flash yellow: Low battery level

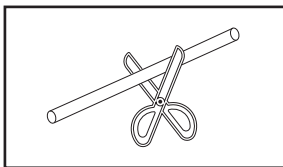
3. **Water Shortage Indicator**

- Solid red: Water shortage alert

2.2 Specifications

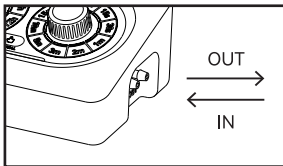
- **Waterproof Level:** IP54
- **Flow Rate Range:** 7.93 gal/Hrs (30 L/Hrs)
- **Watering Duration:** 15 s~20 min
- **Watering Frequency:** 6 Hrs~14 D
- **Temperature Operating Range:** 37~122 °F (3~50 °C)
- **Battery Type:** 2000mAh rechargeable battery (included)

3. Installation



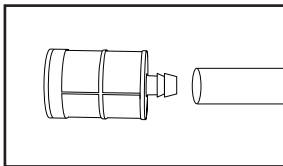
Step 1:

Plan your drip watering layout and cut the hose to desired length.



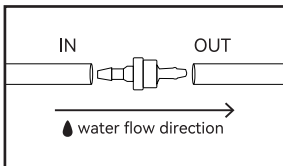
Step 2:

Connect the hose to water inlet and outlet port.



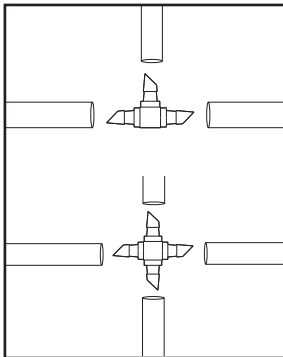
Step 3:

Insert filter to the other end of water inlet tubing, and put into water container.



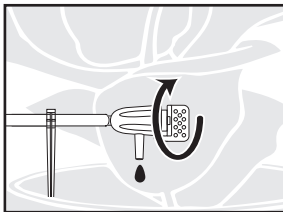
Step 4:

Connect anti-siphon valve to water outlet hose and close to pump. It will help prevent backflow and siphoning. **(Note:** The valve must be installed correctly in accordance with the flow direction.)



Step 5:

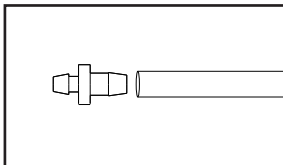
Connecting the suitable barb fitting:
1) When you need to connect the hose while splitting to two ways, **you can use the "T" barb fitting.**
2) When you need to connect a hose while splitting to other 3 ways, **you can use the cross barb fitting.**



Step 6:

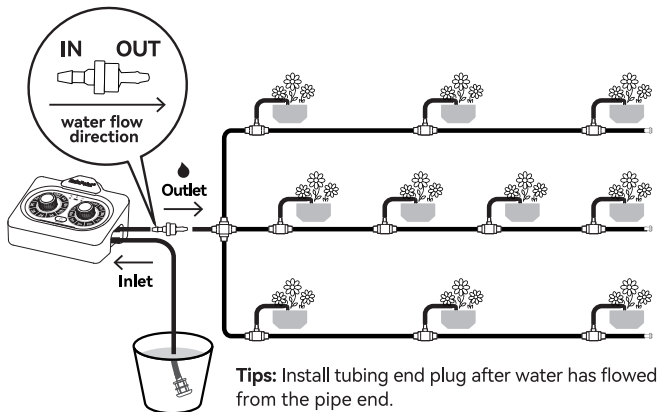
Connect adjustable drip emitter to the end of the pipe. And turn the emitter's cap to increase or decrease the water flow rate.

Tips: If the emitter becomes clogged, unscrew the top to access and clean the internal components.



Step 7:

Install tubing end plug after water flows out from the end of the pipe to get rid of air left in the pipe.



Please keep the whole system horizontal or above water container.



⚠ Pump is lower than water container.



⚠ Plants are over 9.8ft (300cm) higher than the pump.

4. Device Settings

4.1 Plan settings

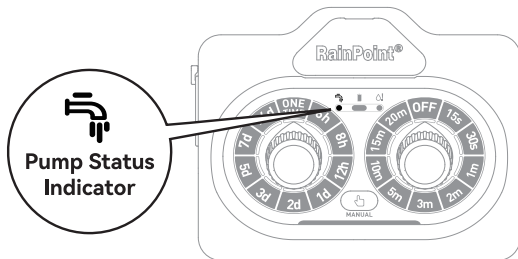
STEP 1: HOW OFTEN SETTING

Turn the **How Often Knob** clockwise to your desired frequency.

STEP 2: HOW LONG SETTING

Turn the **How Long Knob** clockwise to your desired duration.

STEP 3: PUMP STARTUP



When all settings completed without any further operation, the **Pump Status Indicator** will flash green 5 times quickly and then stay solid green for 2 seconds to confirm the plan.

If there is no action within the above time, the pump will start working automatically (No need to press the Operation Button) and the indicator light will flash green every 5 seconds.

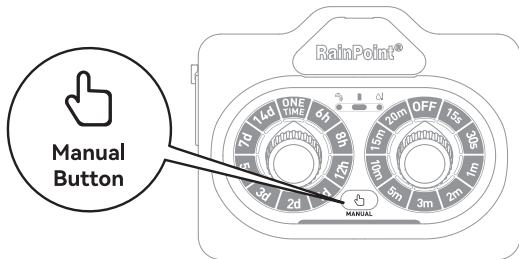
Note:

- When all settings complete and plan confirm, the pump will immediately start the first-time watering.
- When the device on low battery, the pump will automatically shut off and the plan won't be executed.

4.2 Manual/Stop Watering

When the above settings are completed, if you want to manually start a temporary watering, just press the **Manual Button**. And the pump will begin watering for the duration you set, without affecting the scheduled plan.

To stop watering sooner, press the **Manual Button** to end the watering session.



5. Precautions

- Please tighten the tubing to the inlet and outlet port when installing to avoid leakage.
- Try to place the pump higher than the water source to avoid siphon phenomenon.

6. Troubleshooting

Problem	Possible Reason	Solutions
Pump no working or can't pump water from container	<ul style="list-style-type: none">• Impurities get into the pump and damage the pump.• Pump broken due to falling or during transportation.	If the pump can't work, or can't pumping water, please contact customer service from where you buy in the warranty time.
Water leakage from the pump inlet or outlet port	The pipe is not tightly inserted or not fully inserted.	Re-install the water pipe to make sure the pipe end is fully and tightly insert to the inlet and outlet port.
Weak water flow comes out	<ul style="list-style-type: none">• Too far away from pots and water container.• Air left in pipe.	<ul style="list-style-type: none">• Move the pump closer to the plants and reduce the pipe length.• When set up the watering system, try to put on the tubing end plug after water has flowed from the pipe end.
The device is not watering as scheduled.	<ul style="list-style-type: none">• Water Shortage.• The saved schedule was cleared due to a power loss.	<ul style="list-style-type: none">• Check if the container has enough water.• Reschedule your plan.

7. Warranty Policy

RainPoint provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship. You can get an extra two years of extended warranty by registering your product on our website www.rainpointonline.com

8. Customer Support

Still have trouble with setup , please search for " **RainPoint** " on Youtube for installation videos!

If the user manual doesn't have what you're looking for or you need other help, please contact us before returning the product to the store and let us know the LOT NO. of your device.

LOT NO.: XXXXXX (on the pump)



Rechargeable Battery
(3.7V 2000mAh)



FR

ÉLÉMENTS D'EMBALLAGE
À SÉPARER ET À DÉPOSER
DANS LE BAC DE TRI



**This paper
box is recyclable
and reusable**



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UK Hotline: +44 20-4628-3036

(Mon-Fri: 9:00 AM-5:00 PM CET)

Email: service@rainpointonline.com

