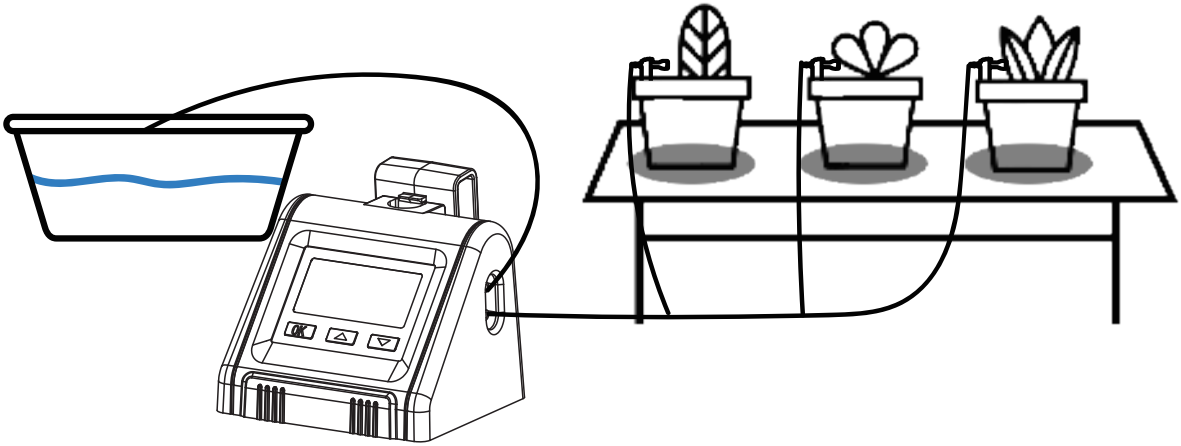
Instruction Manual

RainPoint®
More Than Water Saving

WIFI AUTOMATIC WATERING PUMP KIT

میراب سازه آسیا
Misaco.irrigation

Model: IK10P



Customer Support

Web: www.rainpointonline.com
Email: service@rainpointus.com
WhatsApp: +1 626-780-5952

Free Hotline
US: +1 833-381-5659
(MON-FRI 9:30 AM-5:30 PM PST)
EU: +44 800-808-5337
(MON-FRI 9:00 AM-5:00 PM CET)

WELCOME TO RAINPOINT

Dear friend,

Thanks for choosing RAINPOINT WiFi automatic watering system!

Your satisfaction as a RAINPOINT customer means everything to us.

Before using this unit, please read these operating instructions carefully, take special care to follow the warning and safety suggestions. If you have any question or problem during using our product, please contact our customer service and your problem will be solved within 24hrs. Contact on Amazon: Click on "**Ask a question**"

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TABLE OF CONTENTS

PRODUCT OVERVIEW ---- 01-02

1. PACKAGE INCLUDES ---- 01

2. TECHNICAL PARAMETER ---- 02

3. INTRODUCTION OF BUTTONS AND INDICATORS ---- 03

1. TWO POWER SUPPLY METHODS ---- 04

1.1 Install 4*AA 1.5V alkaline batteries for power ---- 04

1.2 Plug in the USB cable for power ---- 05

2. DETERMINE THE CORRECT PLACEMENT ---- 06

3. CONNECT THE HOSE CORRECTLY ---- 07-08

4. INSTALLATION COMPLETED AND TESTED ---- 08

OPERATING INSTRUCTIONS ---- 09-11

MANUAL MODE ---- 12

WARNING ALARM ---- 12

1. Lacking water alarm ---- 12

2. Low battery alarm ---- 13

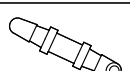
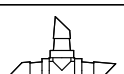
TROUBLESHOOTING ---- 14

WARRANTY ---- 15

CUSTOMER SUPPORT ---- 15

PRODUCT OVERVIEW

1. Package Includes

Accessories Included	Name	PCS	Function
	**USB Cable**	**1**	Power supply
	**Tubing**	**1**	Len: 10m/32.8 Ft Inner diameter of pipe:0.17”(> 1/6”) Outside diameter of pipe: 1/4”
	**Filter**	**1**	Filtering impurities from water
	**Tubing End Caps**	**3**	Stop water flow at the end of the pipe
	**Micro Drip Emitters**	**10**	Inserted into the soil to water the plant root directly
	**Straight Barb Fitting**	**3**	Conne cting water pipes
	**T Barb Fitting**	**10**	Split water and connect pipes

	**Cross Barb Fitting**	**3**	Split water and connect pipes
	**Detachable Hook**	**1**	Put it on the timer to make the timer hangable
	**Check Valve**	**1**	Prevents water from backing up in the pipes back to the pump

2. Technical Parameter

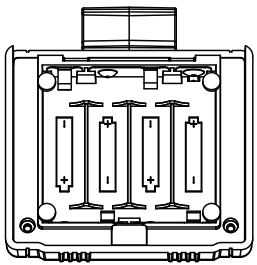
Iniet	4mm
Outlet	4mm
Maximum water pressure	0.3Bar
Water flow	0.4L/Min
Pump Head	3-5m
Working temperature	0C to 50C (37°F-122°F)
Power supply way	1.AABatteryx4(not included) 2.USB power supplier(DC 5V 1A)

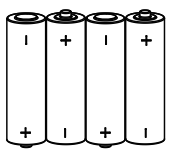
3.Introduction Of Buttons And Indicators

“OK” Button:	• Press to enter setting mode of 3 different options: How Long, How Often and Delay • Press and hold enter the manually watering mode
“▲” Button:	Increase the number, hold to accelerate
“▼” Button:	Decrease the number, hold to reduce faster
How Long	Watering Duration 20s – 30min
How Often	Watering Frequency 1h –23h or 1days – 7days
Delay	Delay the watering plan 1h – 24h
Remaining	The remaining watering time of the current period
Next	The next watering time
	It is watering
	Currently shortage of water
	Manually operation setting
	Connected with the USB charger
	Low power

Two power supply methods

1.1 Insert 4*AA 1.5V alkaline batteries





1) Remove the battery tray back of the pump.
2) Insert 4 brand new AA (1.5V) alkaline batteries (not included) as the marked **"-", "+"** direction.
3) Firmly reinstall the battery cover back into the pump.

⚠ **Note:**

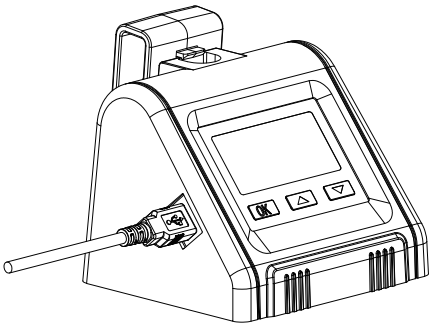
· Firmly restore the battery cover to ensure water resistance.

· When it is idle, please remove the battery and store it properly.

· Used up batteries must be removed from the pump.

· Do not dispose of batteries in the fire, which may cause explode or leak.

1.2 Plug in the cable of the USB port



1) Plug in the USB cable (included)
2) When the power is on, the indicator will light up.

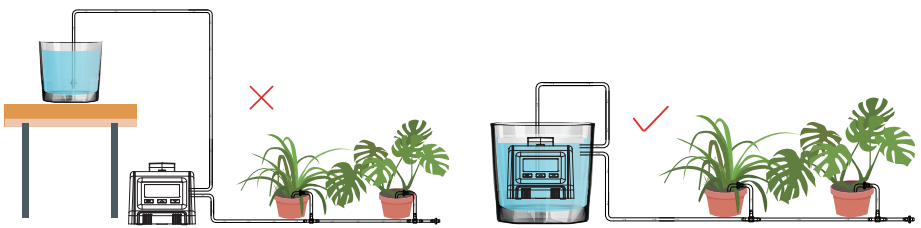
⚠ **Note:**

- We recommend that you use USB power supply where there is a power supply, so that the water pump can have a stable voltage and improve efficiency.
- When both power modes are used simultaneously, it will match the USB cable power first; when the USB cable is disconnected, the battery-powered mode will be activated.

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2. Determine the correct placemen

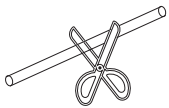
2.1 Please do not put the pump below the water level of the reservoir to effectively avoid the siphoning phenomenon. (The siphoning effect will cause the water leaking and over-watering problem)



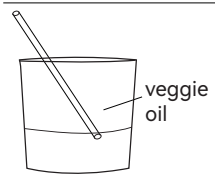
2.2 The lift length of the water pump: the vertical distance of 2-3m, because the water pipe can not be placed 100% straight, we recommend that the height between the plants and pump should not exceed 2.5m.



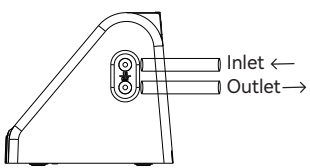
3. Connect the hose correctly



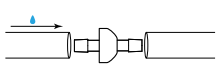
3.1 Cut the hose according to the distance of the device, the plant or you need



3.2 Put the head of hose into hot water for 10s or Put a little veggie oil on the end of the hose before connecting



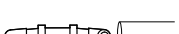
3.3 Connect the hose to water inlet and outlet



3.4 Connect the check valve to the water outlet near the pump. Using a check valve may reduce water pressure. (The check valve must be installed correctly in accordance with the flow direction)

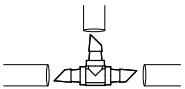


3.5 Insert the other end of the hose connected to the water inlet of the pump with the filter, and then put it into the container.

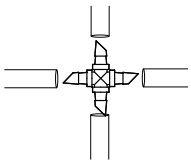


3.6 Connecting the suitable barb fitting

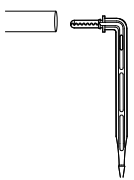
1) If only the hose needs to be connected, you can use straight barb fitting



2) When you need to connect the hose while splitting to twoways, you can use the "T" barb fitting



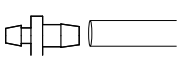
3) When you need to connect a hose while splitting to other 3 ways, you can use the cross barb fitting



3.7 When water needs to be delivered to the soil, you need to use the micro drip emitters

Tips:

Loosen the soil first, then insert the drips at least 3 inches deep, which will help water enter the plant roots.



3.8 Please install Tubing End Caps after water flows out from the end of the pipe to avoid air in the pipe so that the water cannot flow smoothly to the end of the pipe.

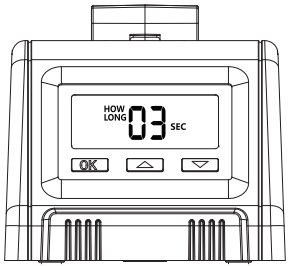
4. Installation completed and tested

4.1 Press and hold the **ok** button to start the pump, then the water will be pumped to your plants.

4.2 Check if there is any leakage in the connection part of the hose. if so, it means no tightening, please keep tightening until no leakage.

4.3 After testing with no usage problems, go to the next step: WiFi After testing with no usage problems, go to the next step: programming the watering schedule.

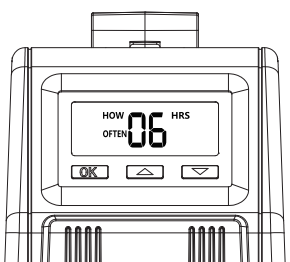
OPERATING INSTRUCTIONS





STEP 1:HOW LONG

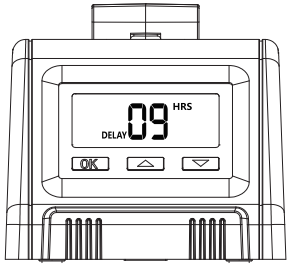
Press **"OK"** button,**"HOW LONG"** will light up,press ▲/▼ to set the watering duration,then press “OK” to confirm and go on the next step. (Watering duration can be setting from 20s to 30mins)





STEP 2:HOW OFTEN

When entering **"HOW OFTEN"** setting mode,Every and How Often on the screen will light up at the same time. Press ▲/▼ to set the watering frequency from 1 hour to 23 hours or 1 day to 7 days,then press **"OK"** button to confirm and go on the next step.



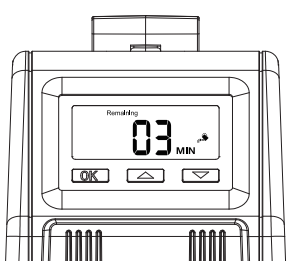


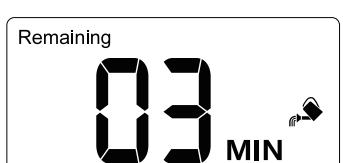
STEP 3:DELAY MODE

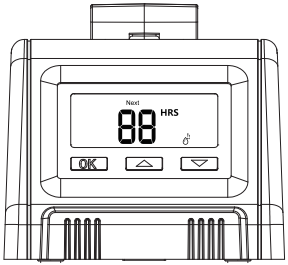
When the screen shows DELAY, use the **"▲"** and **"▼"** buttons, to select watering delay schedule from 0 hours to 24 hours,then press **"OK"** button to to save the schedule.

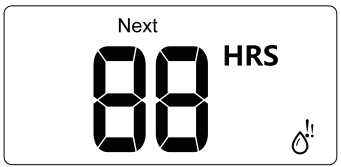
Note:
If **"How Often"** : **"How Long"** has been changed during setting and setting the delay time to 0 hours, the watering pump will automatically turn on manual watering (watering duration is 20s).

For example, when the watering schedule is changed and the delay mode is set to 0 hours, the pump will automatically turn on manual watering.









STEP 4: AUTOMATIC WATERING

1. Press **"OK"** again,Remaining and Watering Icon light up,and it will start watering schedule automatically. The countdown of remaining watering time will be showed.

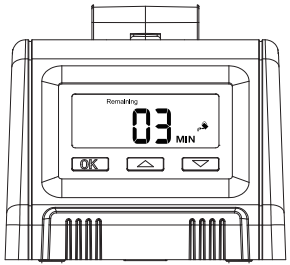
2. When the watering program is finished, the NEXT icon lights up which means the remaining time to the next watering.

Note:
During setting,if there is no operation within 8 seconds,the pump will automatically quit setting model.
If **"How Often"** or **"How Long"** has been changed during setting,it will automatically start running as you changed.

Setting Example

* If want to water your plants for 30 seconds at 9:00am of everyday,please set **"HOW LONG"** by 30s,**"HOW OFTEN"** by 1day and the **"DELAY"** by 0,set the device at 9:00am. After setting finished,the watering pump timer will work automatically everyday at 9:00am to watering for 30 seconds.
* If now it's 7:00am,and you want to water your plants for 1 minute at 10:00am,please set "**HOW LONG**" by 1min,**"HOW OFTEN"** by 1 day,**"Delay"** by 3hours. The first time watering will start at 10:00am,and further watering will start at 10:00am with 1 day interval.

MANUAL MODE

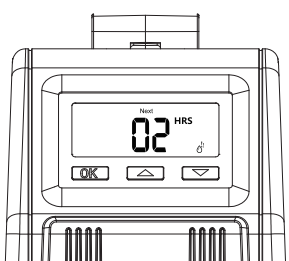


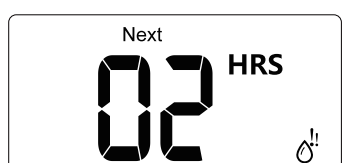


Press and hold enter the manually watering mode.

Warning alarm

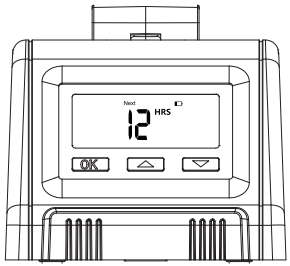
1 Lacking water alarm





When it appears on the screen,please check if it's short of water in the tank and fill enough water in time. The pump timer will keep working as scheduled.

2 Low battery alarm





When the display shows  the power and flashing,it means the battery

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TROUBLESHOOTING

Problem	Possible Cause	Possible Solution
Uneven water flow	Too far away from pots and water containers or too long pipes can reduce the pump's pumping efficiency.	The further away from the pump the potted plant is, the weaker the water flow will become. Please use some clamps to hold the first few branches so that the mainstream water can be delivered quickly and for a long time.
Hard to insert and remove water pipes	Because of the material, in order to make the pipe more durable.	Put the head of hose into hot water for 10s or Put a little veggie oil on the end of the hose before connecting.
Watering schedule not on time	The lack of water at the inlet resulted in the plan not being implemented on time.	Check if there is a lack of water in the container at the inlet. (If there is a leakage the schedule will not running)
	The water pump unexpectedly lost power and the plan was emptied.	The watering schedule needs to be reset.

If your Rainpoint product does not operate properly after trying the troubleshooting steps, please contact us by phone or email : US: 1-833-381-5659 (EN)(MON-FRI 9:30 AM-5:30 PM PST)
EU: +44 800-808-5337 (EN DE)(MON-FRI 9:00 AM-5:00 PM CET)
Email: service@rainpointus.com

WARRANTY

RainPoint provides a 1-year warranty against manufacturing defects in materials and workmanship from the date of purchase. During the warranty period , we'll replace free of charge the product found to be defective under reasonable use and service as determined solely by RainPoint.
To place a warranty request, please email us with your order ID at service@rainpointus.com and we'll respond within 24 hours.

CUSTOMER SERVICE

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 Model NO and LOT NO. of your device.

Model NO.: xxxxxxxxxx((on the back of the pump label))
LOT NO.: xxxxxxxxxxx (on the back of the pump label)

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ADDRESS: E588, 13 ADELAIDE ROAD, DUBLIN, D02 P950, IRELAND
Email: VIAJEELE@outlook.com

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