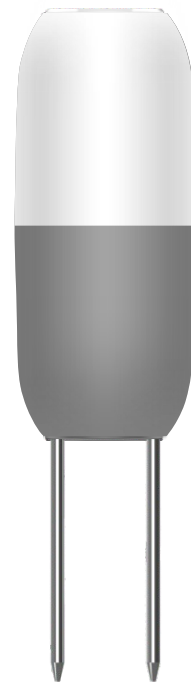


Solar Power Smart Water Valve

(WiFi)

User Manual



Smart water valve features and user manual:

Smart water valve

Remote operation: Remote control by mobile phone APP anytime and anywhere; manual button for on-site operation and timing control

Signal distance: Mainly depended on the distance of WiFi router , the open connection distance of smart water valve is ≤ 100 meters.

Battery: Built-in long-life lithium-ion battery

Protection level: IP65, the smart water valve can be installed and used outdoors

Button functions of smart water valve

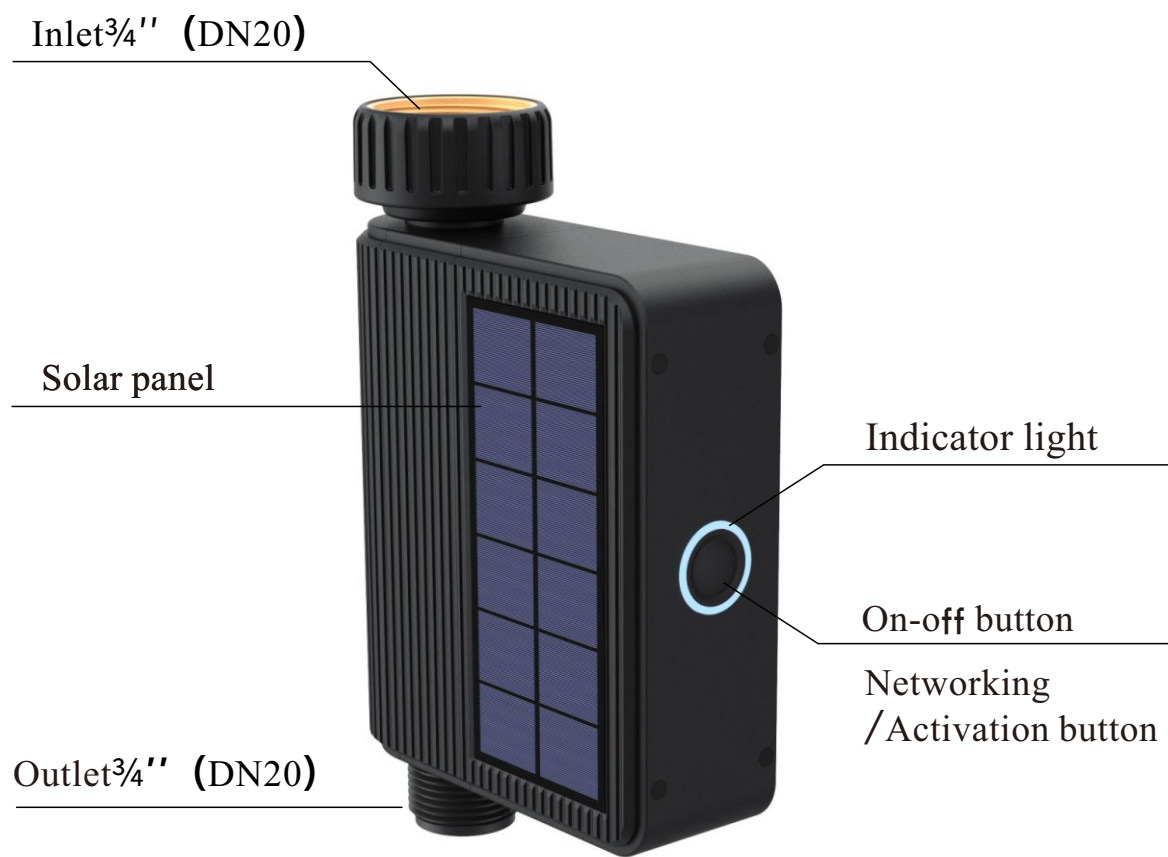
1. On-site operation
2. Long press 5 seconds to connect WiFi
3. Long press 5 seconds to end sleep mode

Instructions for use

To better use the intelligent water valve, please read the following usage instructions

1. The smart water valve is shipped out in a sleep mode by default. Before use, you need to long press button for 5 seconds to end the sleep mode.
2. The water valve connect WiFi directly. The signal strength is related to the range of the router. If the mobile phone can connect WiFi at the installation site, the water valve could also connect the WiFi.
3. The smart water valve needs to connect wifi of 2.4Ghz band, when pairing the network, make sure that the cell phone is connecting the 2.4Ghz WiFi
4. The smart water valve requires solar energy to supplement the power. Install the valve under the environment of sufficient sunlight . When it is lack of sunlights, use TYPE C port for charging battery
5. Once the battery is fully charged and no solar power supplyment, it can last 15 days on the premise of opening and closing valve once a day
6. Support 10 timing settings. After setting the timed programs, even it is offline, it will run on according to the program.
7. When automation task with soil sensor is activated, the timed program will be stopped
8. After the valve connect the soil sensor, the APP can display the soil temperature and humidity value. Users can set automatic irrigation task based on the temperature and humidity value.
9. Flowmeter operation requirements: The water flow rate range is 2~25 L/minute. Small water flow could not drive the flowmeter. large water flow will mislead meter to issue the false alarm of "water shortage warning" as the meter could not identify the flow size
10. Historical records will be only available when the smart water valve is online.
11. Water shortage reminder: if no water come out when the water valve is opened for 20 seconds, a water shortage warning pop out under the online status
12. If the battery is out of power when receiving the valve, you can place it under the sun or charge it via Type C cable
13. The Type-c interface is a power supply interface, the 5V/1A to 2A adapter is recommended
14. The rain and snow delay mode needs to be turned on manually. Once the rain and snow delay is on, the timed watering will not start until the rain and snow delay ends, then the timed irrigation resumes.
15. One smart water valve can work with one soil sensor, the communication is bluetooth, connecting distance is ≤ 10 M
16. Under the sleep mode, the smart water valve will not respond. Only use sleep mode when the valve is not used for a long time

Product illustration



Type-C charging port

Rotate the timer, then you can see the Type-C port, adopting DC5V power adapter for Charging the built-in lithium-ion battery



Specification

	Product name	Smart water valve
	Model	QT-08W
	Communication protoco	WiFi - 2.4Ghz
	Valve size	$\frac{3}{4}$ " (DN20)
	Waterproof level	IP65
	Water pressure	0.2~8bar
	Solar panel rotation angle	0~30°
	Flowmeter Measuring range	2L~25L/min

	Product name	Soil sensor
	Model	QT-10S
	Power supply	3pcs 1.5V AA dry battery
	Waterproof level	IP65
	Water content range	0~100%
	Water content accuracy	0~50%(±3%),50~100%(±5%)
	Temperature measuring range	-5~60℃
	Temperature accuracy	±1℃

APP Operation Guide

Download smart life or Tuya smart App, Register a member account

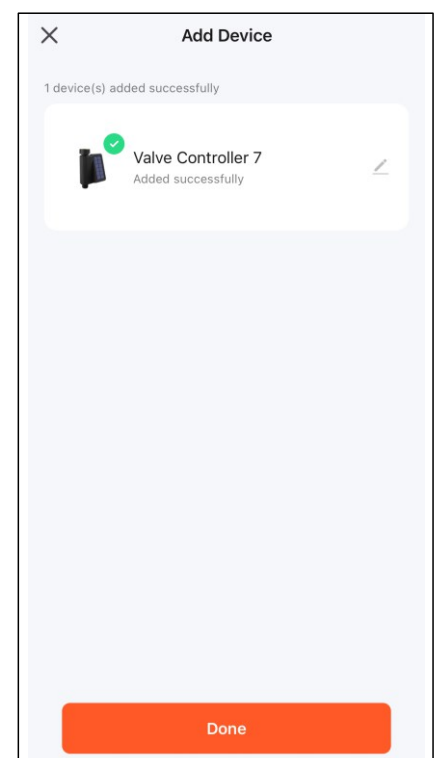
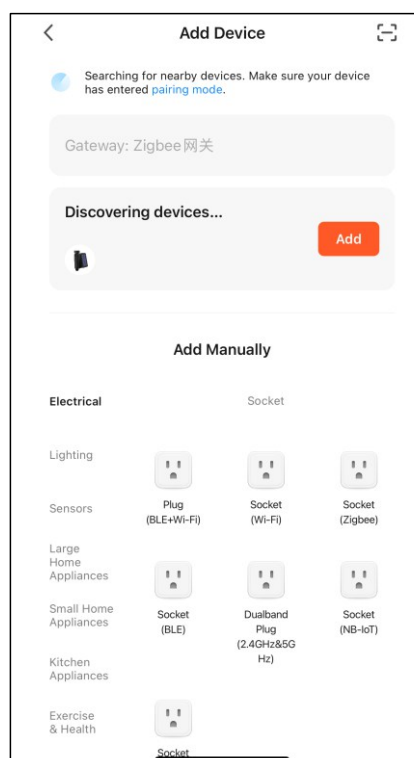
Download App

- ★ Scan QR code to download and install
- ★ Mobile App store search: Smart life , click download and Register a member account
- ★ Input your mobile phone number or email address
- ★ Receive the verification code SMS, Configure your own password.



Smart water valve networking tutorial

1. WiFi mobile phone connect with WiFi 2.4Ghz
2. Press and hold the switch button of the intelligent water valve for 5 seconds to enter the network connection state (the indicator light flashes)
3. Open the APP, click Add Device or the "+" in the upper right corner to add device
4. The APP automatically searches for devices and selects the device to be added.
5. Added successfully



Smart water valve sleep mode

1.The device is set to sleep mode by factory default. In sleep mode, the device will not be usable and needs to be activated for normal use;

Activation method: Press and hold the smart water valve button for 5 seconds to activate the device

2.Set the sleep mode: When the device is not used for a long time, you can set the sleep mode. Please use the sleep mode with caution during normal use, because you need to manually press the button to activate and resume use.

There are two ways to set sleep mode:

1.Turn on the sleep mode switch on the APP

2.Press and hold the smart water valve button for more than 15 seconds

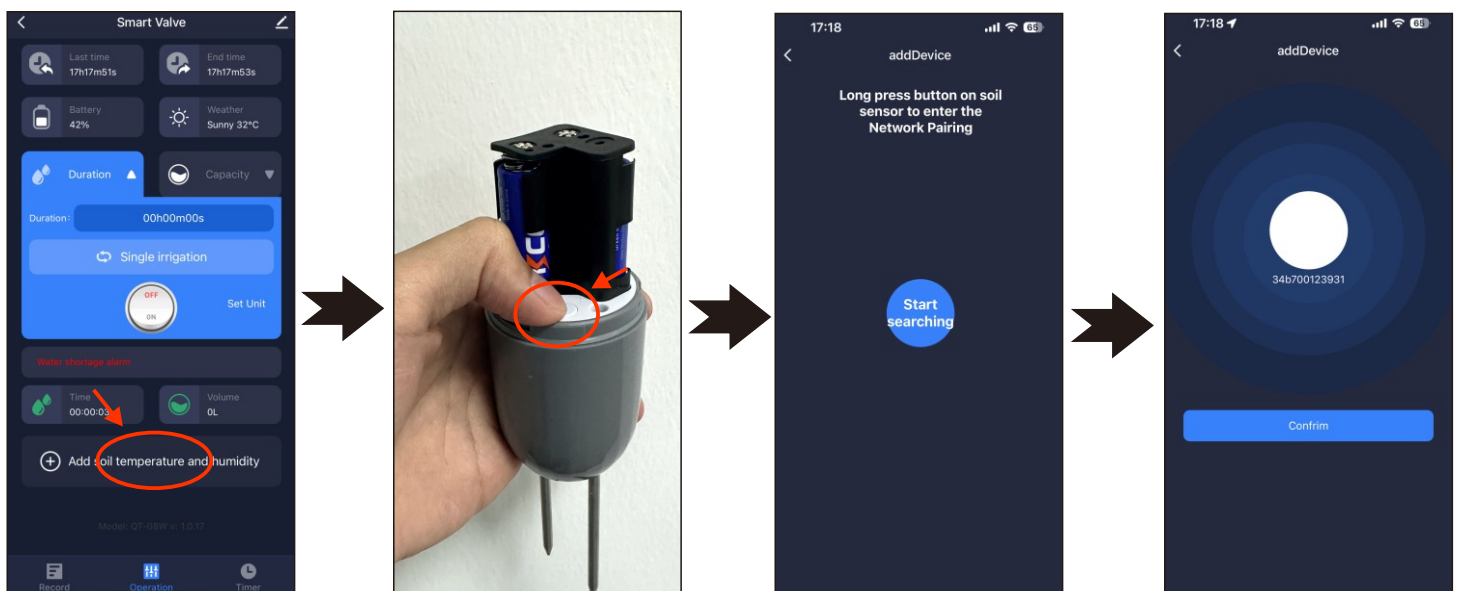
Smart water valve connects to humidity and temperature soil sensor

1.Open the APP to the smart water valve interface and click Add Sensor.

2.Open the sensor housing, install the battery, press and hold the button for 5 seconds, the internal indicator light will flash.Enter the network configuration state.

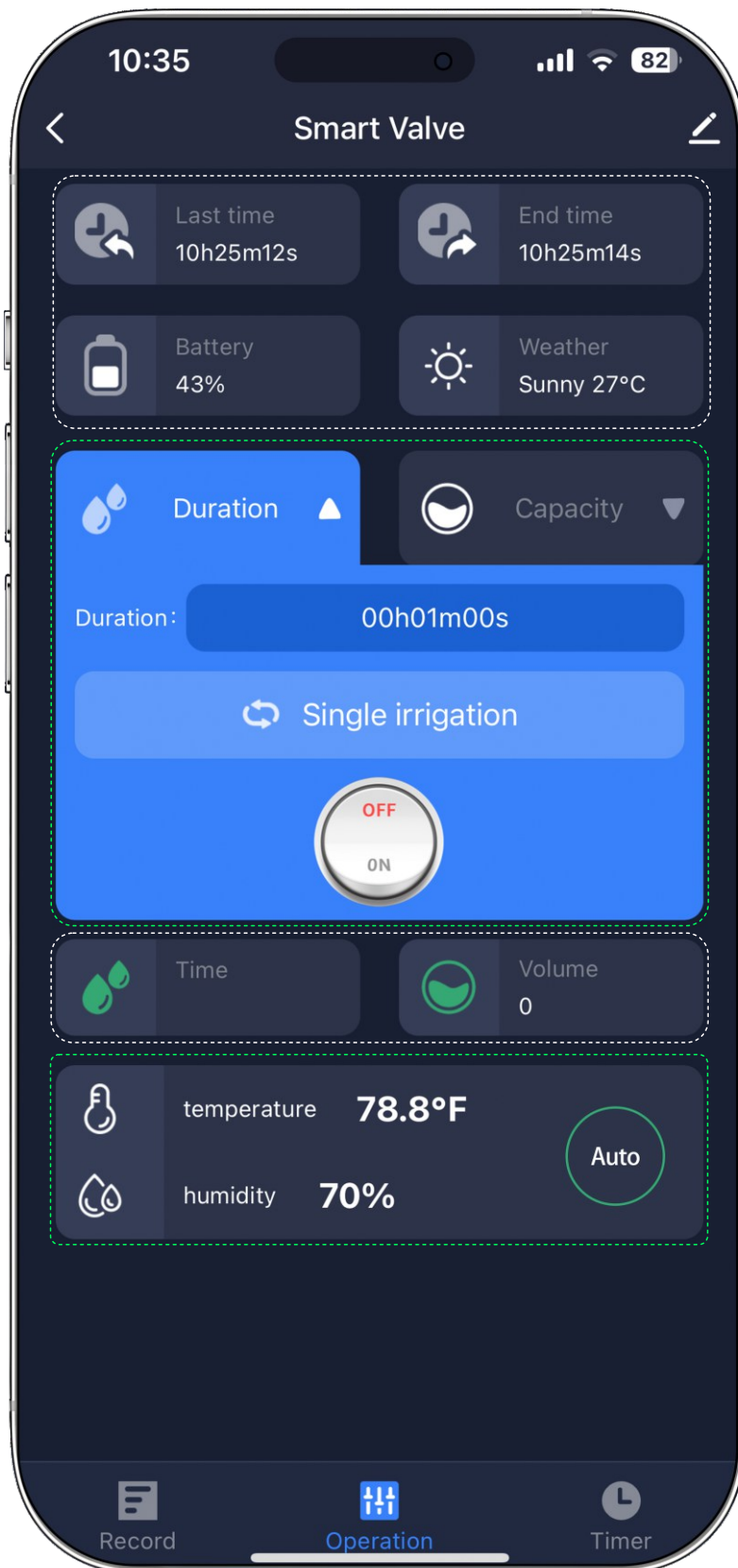
3.Click to start searching (the sensor is within 5 meters of the smart water valve during network distribution).

4.Added successfully



Smart phone APP interface

Detailed explanation of user interface



Display the last irrigation time
Display irrigation closing time
Display battery level and charging status
Display local weather forecast situation

Watering duration:
Control the duration of watering
Watering capacity:
Control the Watering capacity
Single irrigation: Watering once
Circular irrigation:
Watering many times in one day

ON: Open the valve
OFF: Close the valve

Irrigation time:
Timing the duration of watering

Add sensors
Display the detected temperature
and humidity values
Display the detected temperature and
humidity values

Record
1. View usage records of smart water valves
2. Statistics on usage duration and water
consumption
3. View the historical curve of temperature
and humidity values

Irrigation water volume: Real time
measurement of irrigation water volume

Timer
1. Set a timed watering program
2. Set the smart water valve to
dormancy status.
3. Setting delay for rain and snow
weather

Warranty terms

- 1.The warranty period for this product is one year.
 - 2.During the warranty period, if a malfunction occurs during normal use according to the user manual (judged by our company's official staff), it will be repaired with free of charge.
 - 3.During the warranty period, if one of the following situations occurs, it must be paid to repair:
 - ①Unable to provide this guarantee letter or valid purchase vouchers.
 - ②Malfunctions and damages caused by incorrect use and improper self repair.
 - ③Malfunctions or damages caused by transportation, handling, or falling after receiving the goods.
 - ④Damage caused by other unavoidable external factors.
 - ⑤Malfunction or damage caused by device soaking in water.
 - ⑥If the temperature is below 0 °C , please disassemble and place it indoors. If the device is damaged due to this issue, it is not covered by warranty.
 4. Only the offer above warranties, not offer other express or implied warranties (including implied warranties of merchantability, reasonableness and suitability for a particular application, etc.), regardless of the contract
- In terms of civil negligence or other aspects, our company is not responsible for any special, incidental or indirect damages.

Notices to installation and operation

1. If an external power supply is not used for power supply, the smart water valve must be installed in a location with sunshine exposure.
- 2.The water valve is directly connected to WiFi, and the smart water valve must be installed in a location with good WiFi signal.
- 3.When the temperature is below 0 °C , please take cold protection measures for the smart water valve or remove it for indoor storage to prevent damage to the device from freezing.
- 4.Different soils varies with different electrical conductivity, resulting in differences in soil moisture values. Please consider the humidity values based on the actual situation and develop an automatic watering plan according to the corresponding humidity.

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.