



Instruction Manual

(Version 21.10)

U.S. Solid Smart Motorized Ball Valve



U.S. Solid Smart Motorized Ball Valve is a new type of motorized ball valve that comes with a smart control function. The smart valve can be controlled by mobile devices after the network distribution for connection to Wi-Fi via an application on a mobile device. It is a revolutionary product in intelligence and convenience as compared to a traditional motorized ball valve.

* Manual Switch: Apart from the smart control method, the smart valve provides a manual switch to control its open and close.

* Power Failure Protection: If the power is suddenly cut off, the smart valve will automatically close within 2 seconds.

Specifications

Material: 304SS / Brass, UPVC

Thread Type: NPT

Max Pressure: 1.0 Mpa

Wiring Type: USB

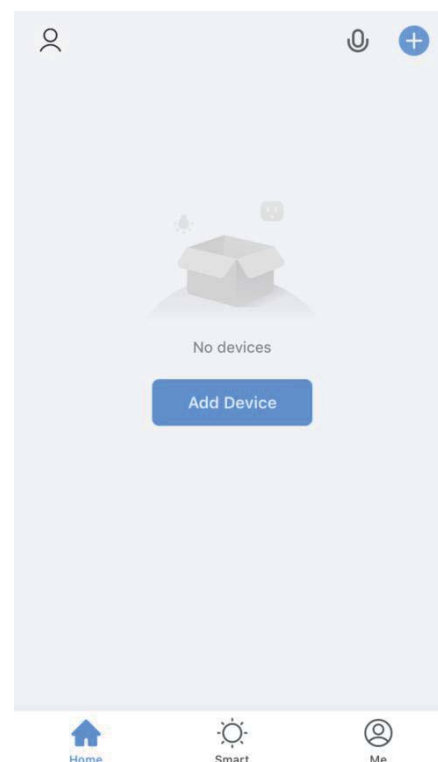
Input Voltage: 5V DC

Ambient Temperature Range: -20°C-45°C

Connection and Operation



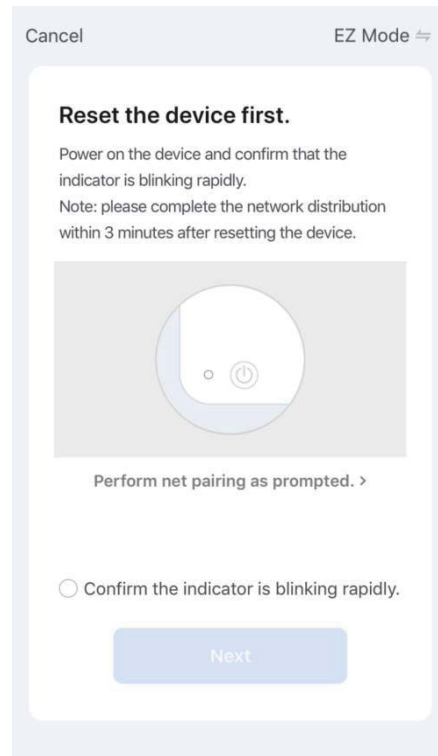
1. Download the “Smart Life” application from the Apple Store or Google Play. Sign up and log in.



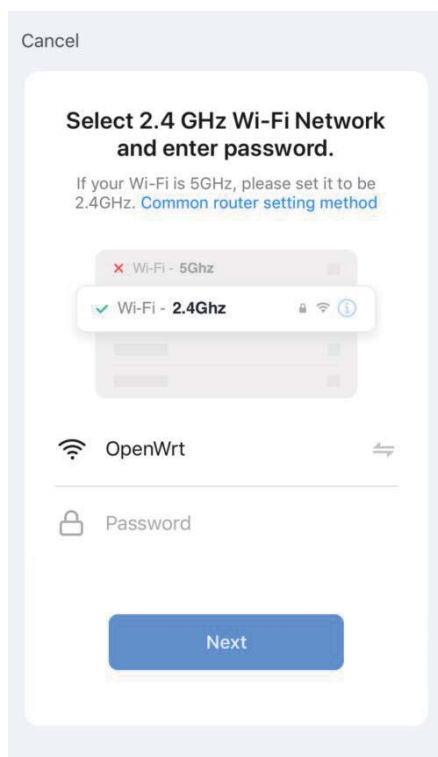
2. Tap “Add Device” or the “+” at the upper-right corner.



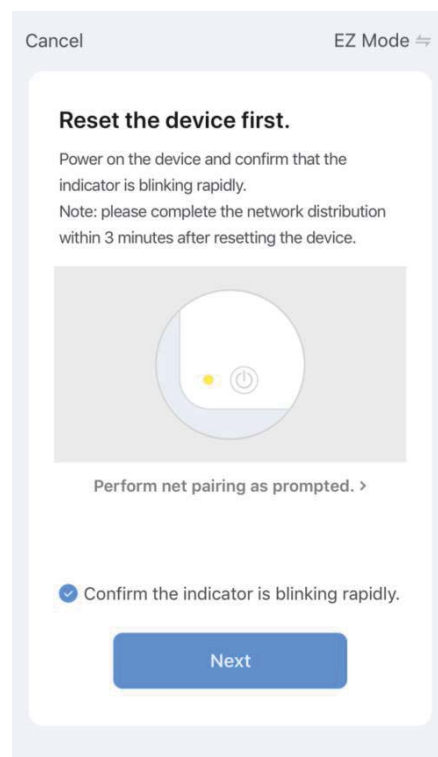
3. Swipe to the bottom and tap “Others”, then tap “Connector (Wi-Fi)”.



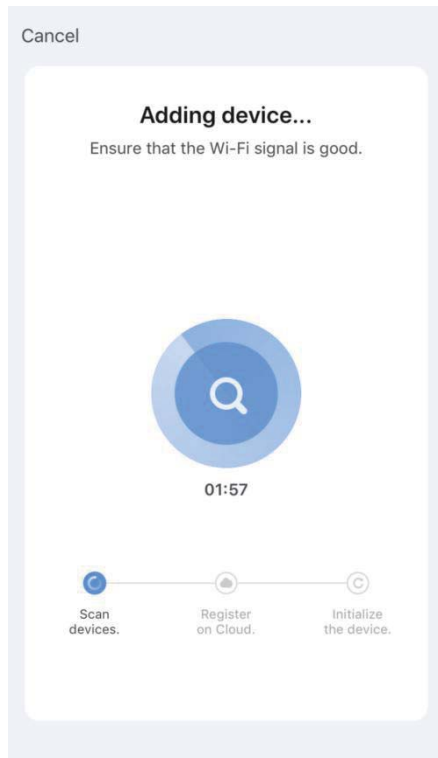
5. Connect your U.S. Solid Smart Motorized Ball Valve to the power.



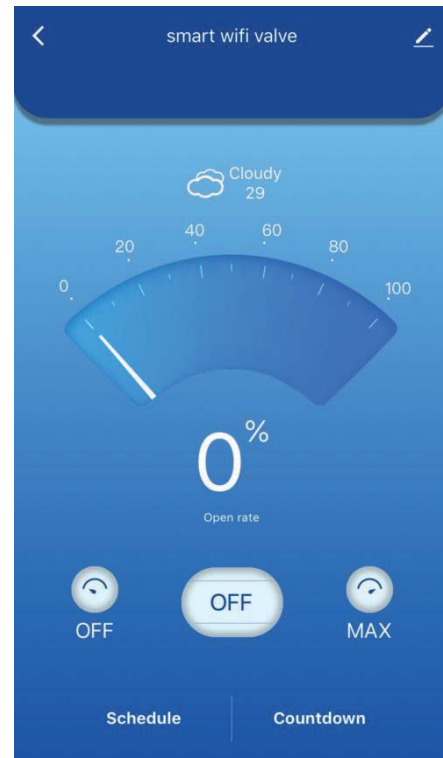
4. Select the Wi-Fi you want to connect to, fill in the password and tap “Next”.



6. Tap “Confirm the indicator is blinking rapidly” and then tap “Next”.



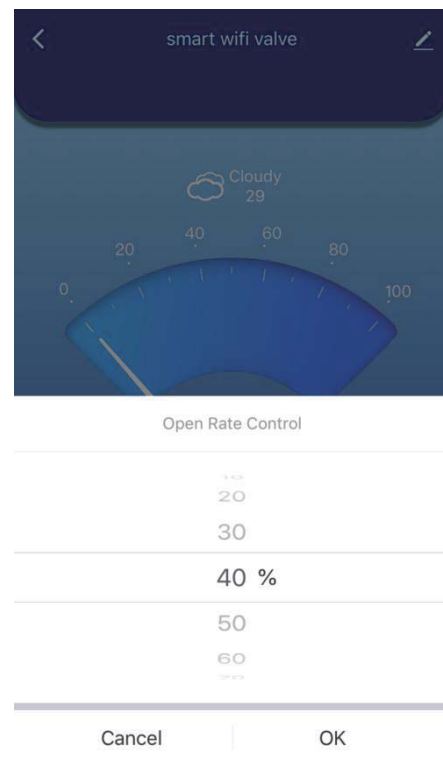
7. The network distribution will be performed automatically.



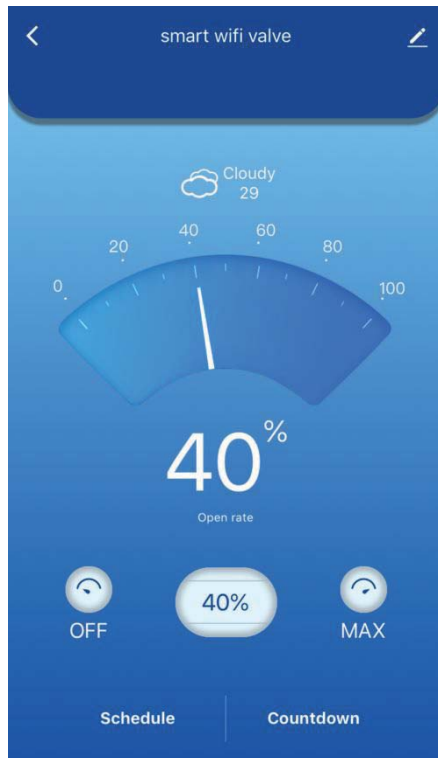
9. Then operation interface has been entered.



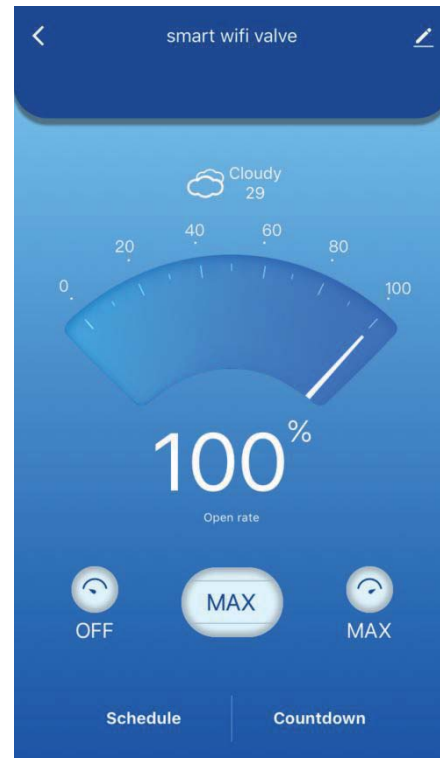
8. After the valve has been added, tap "Done" at the upper-right corner.



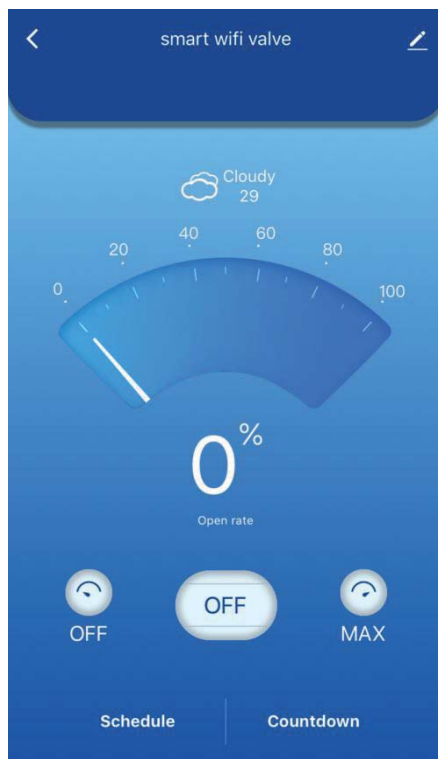
10. Tap "OFF" in the center and swipe to select the open rate, then tap "OK".



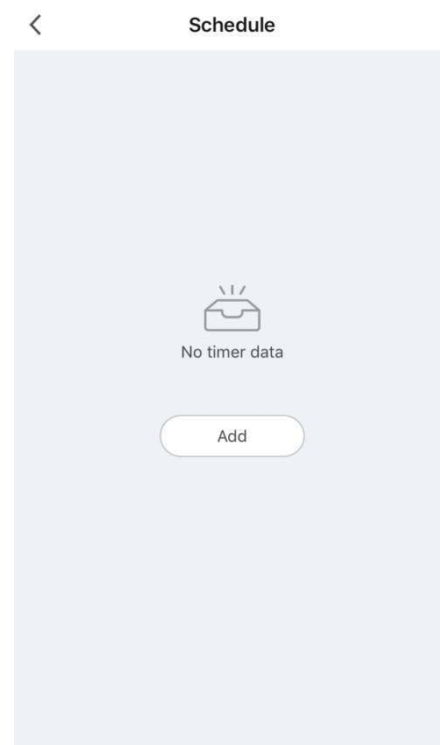
11. The valve will open to the open rate selected.



13. Tap "MAX" on the right side. The valve will open completely.



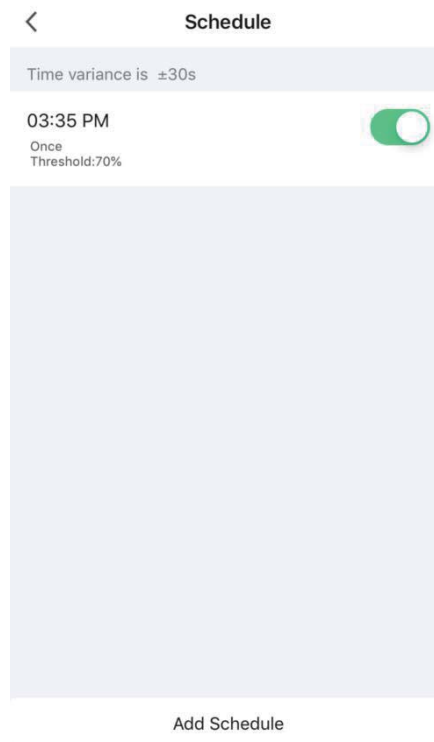
12. Tap "OFF" on the left side. The valve will close completely.



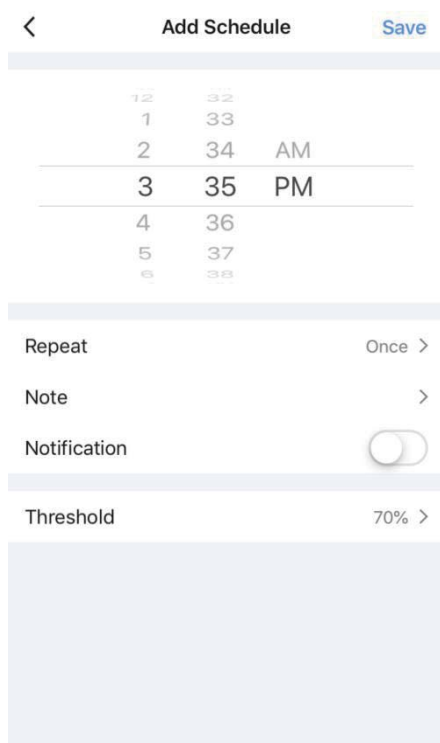
14. Tap "Schedule" to set the scheduled automatic switch. Tap "Add".



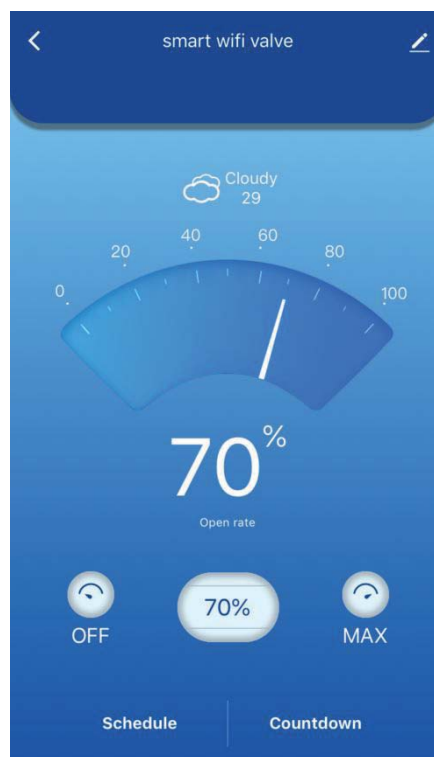
15. Tap “Threshold” to select the open percentage.



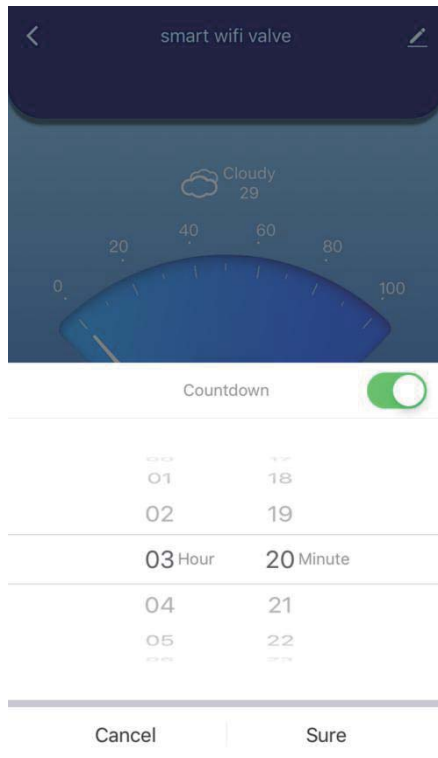
17. The schedule has successfully been set.



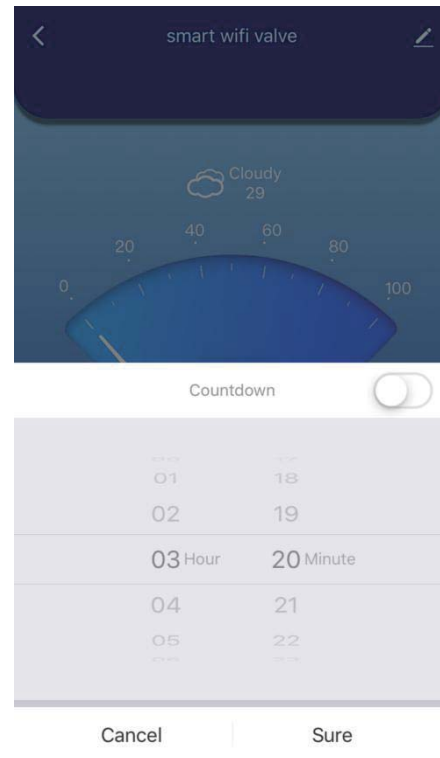
16. Swipe to select the scheduled time and tap “Save” to save the schedule.



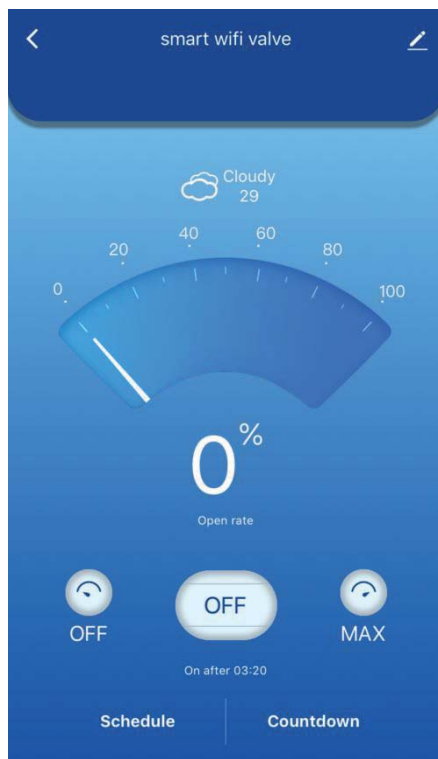
18. The smart valve will open or close to the selected open rate when the scheduled time is up.



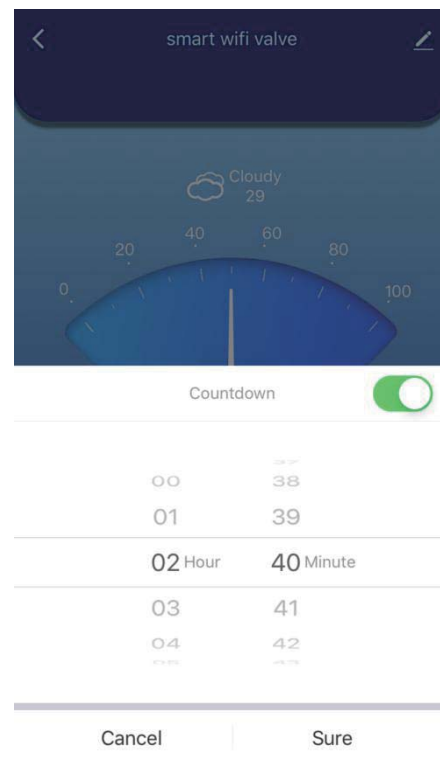
19. Tap “Countdown” to set the countdown automatic switch, then tap “Sure”.



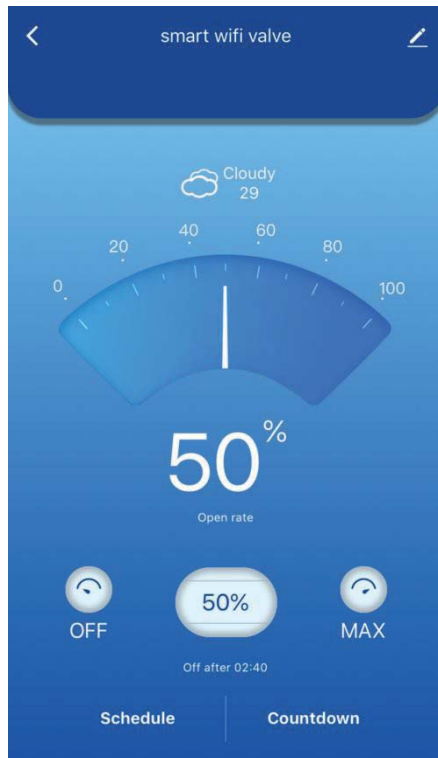
21. The countdown can be canceled by tapping the white dot.



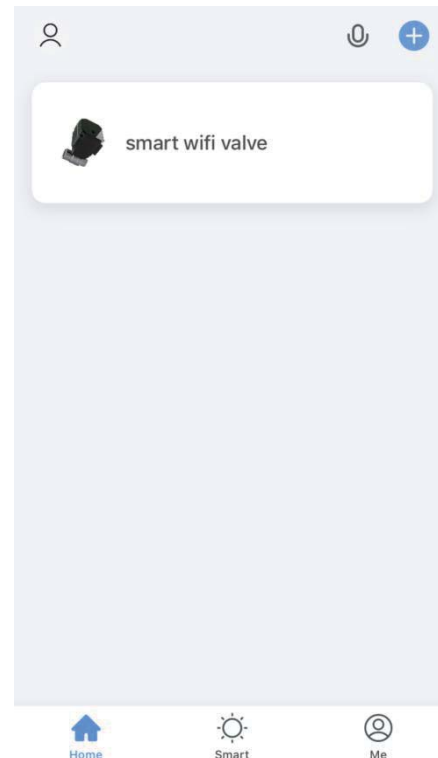
20. The smart valve will automatically open to max when the countdown is over.



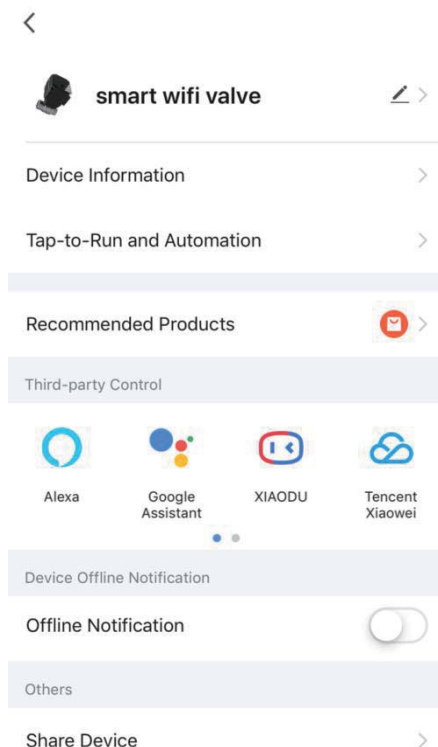
22. When the smart valve is open, tap the “Countdown” to set a time.



23. The smart valve will close automatically when the countdown is over.



25. Next time, the operation interface can be accessed directly by tapping the smart valve.



24. Tap the upper-right icon to perform other settings.

Contact

Feel free to visit our website: ussolid.com
 You can email us at service@ussolid.com
 You can call one of our friendly customer service representative at +1(800) 209-4177

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FCC WARNING

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.