



# 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

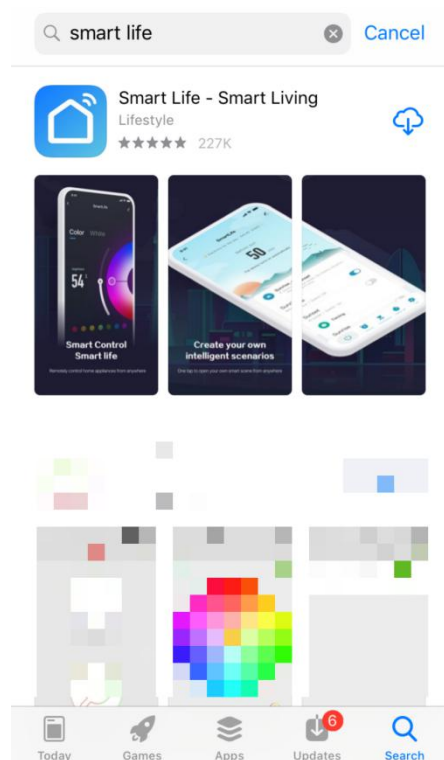
Max Pressure: 1.0 Mpa

Wiring Type: USB

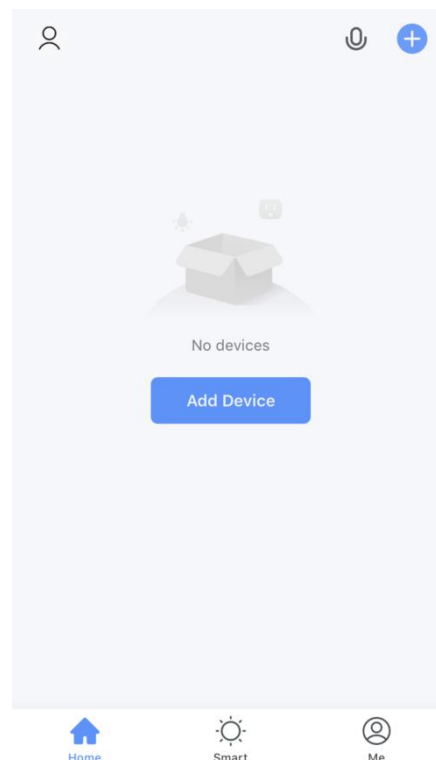
Input Voltage: 5V DC

Ambient Temperature Range: -20°C-45°C

## Connection and Operation



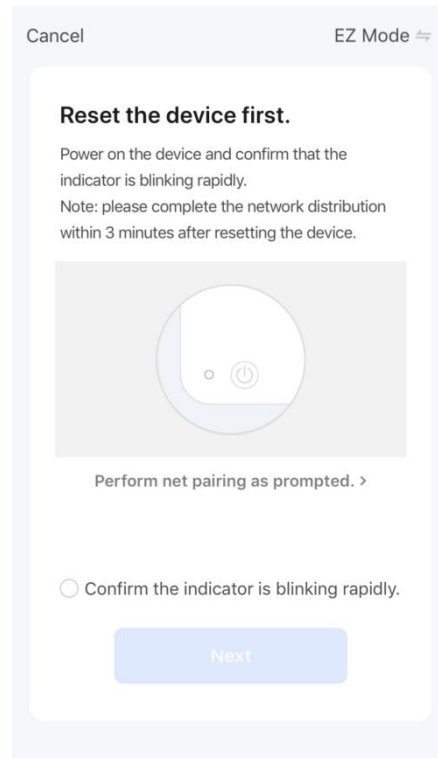
1. Download the “Smart Life” application from the Apple Store or Google Play. Sign up and log in.



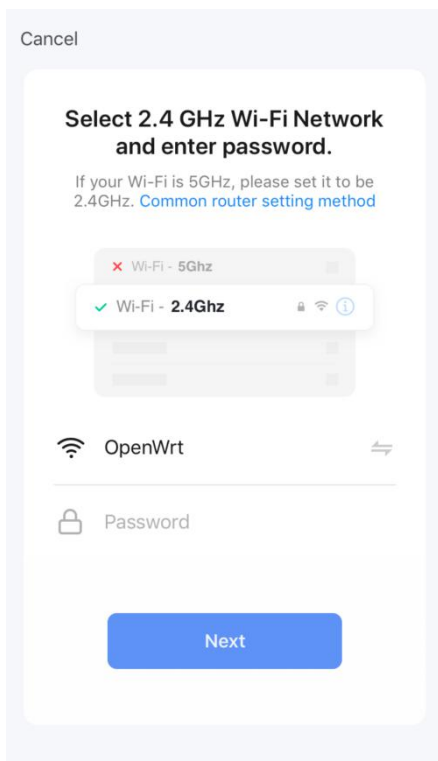
2. Tap “Add Device” or the “+” at the upper-right corner.



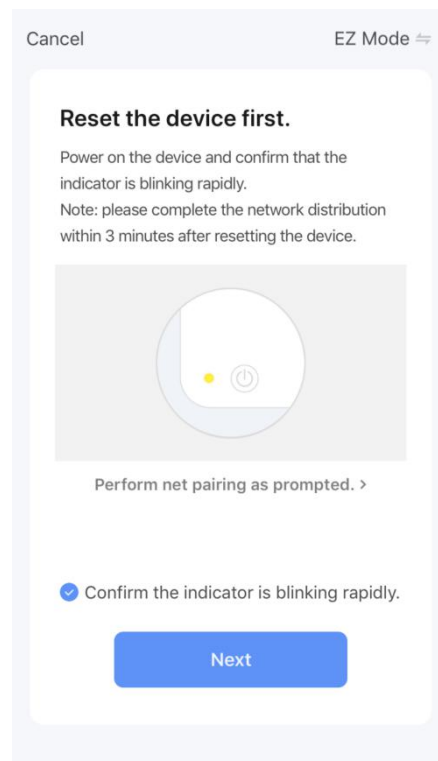
3. Swipe to the bottom and tap “Others”, then tap “Connector (Wi-Fi)”.



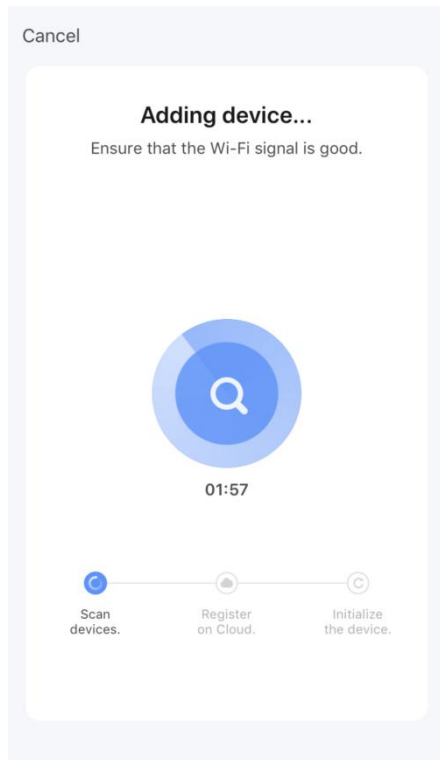
5. Connect your U.S. Solid Smart Motorized Ball Valve to the power.



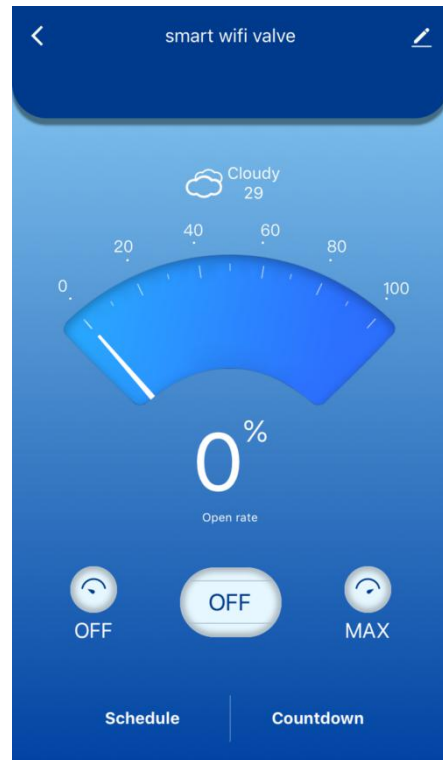
4. Select the Wi-Fi you want to connect to, fill in the password and tap “Next”.



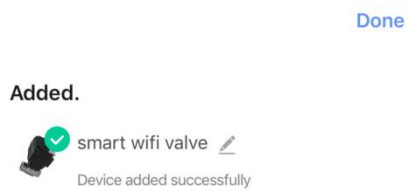
6. Tap “Confirm the indicator is blinking rapidly” and then tap “Next”.



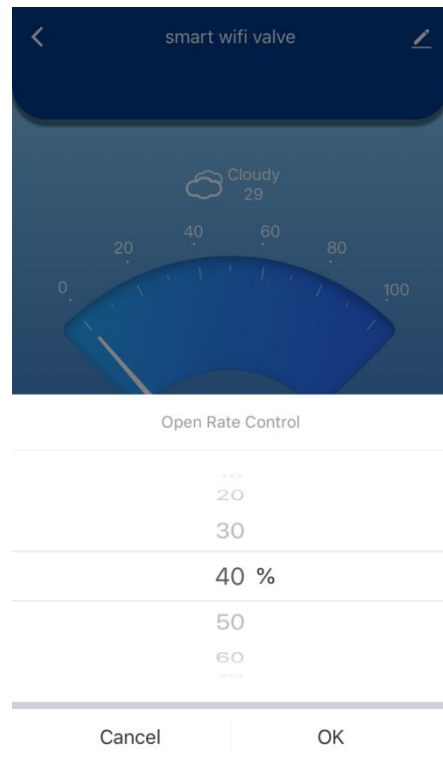
7. The network distribution will be performed automatically.



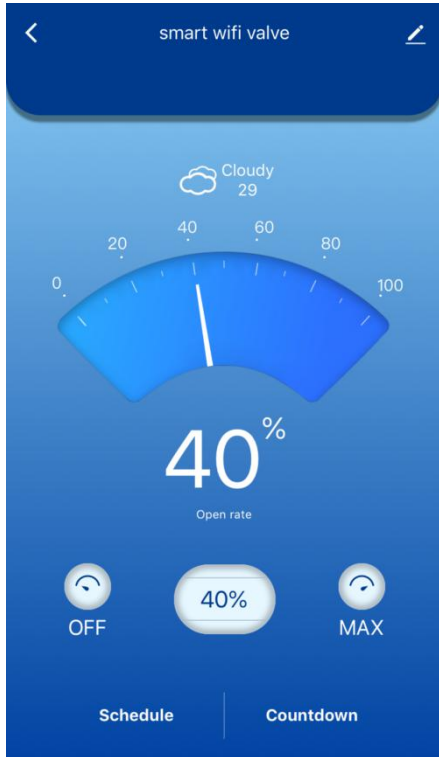
9. Then operation interface has been entered.



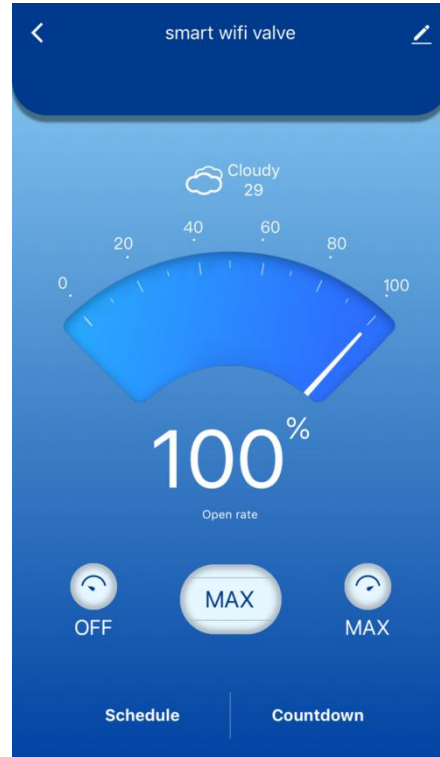
8. After the valve has been added, tap "Done" at the upper-right corner.



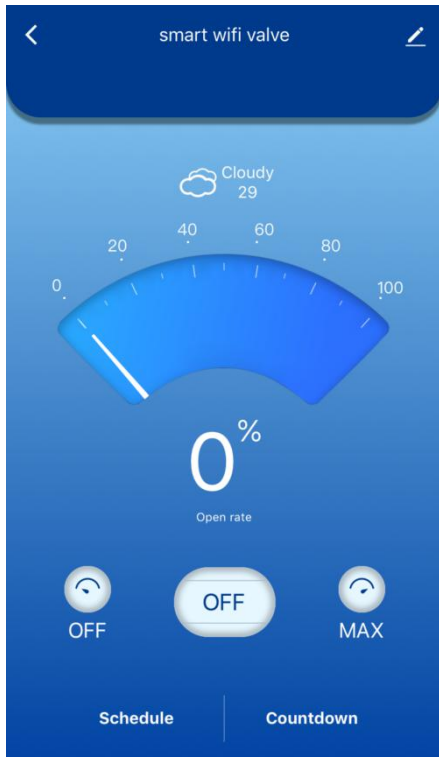
10. Tap "OFF" in the center and swipe to select the open rate, then tap "OK".



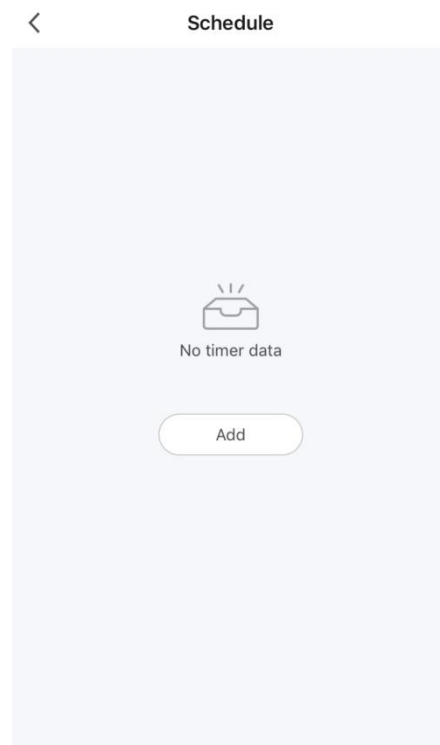
11. The valve will open to the open rate selected.



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



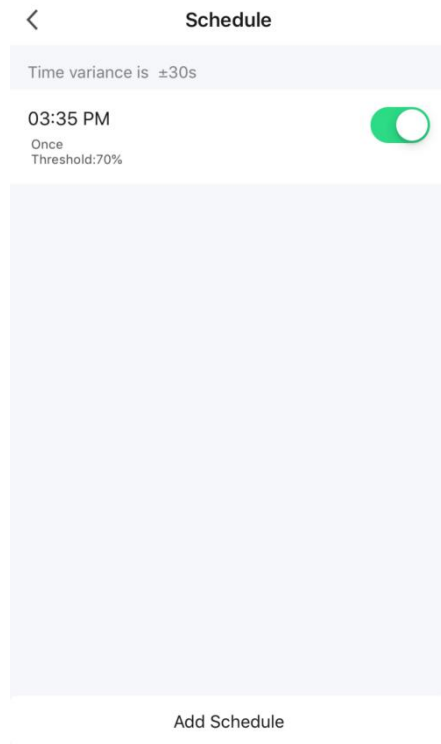
12. Tap "OFF" on the left side. The valve will close completely.



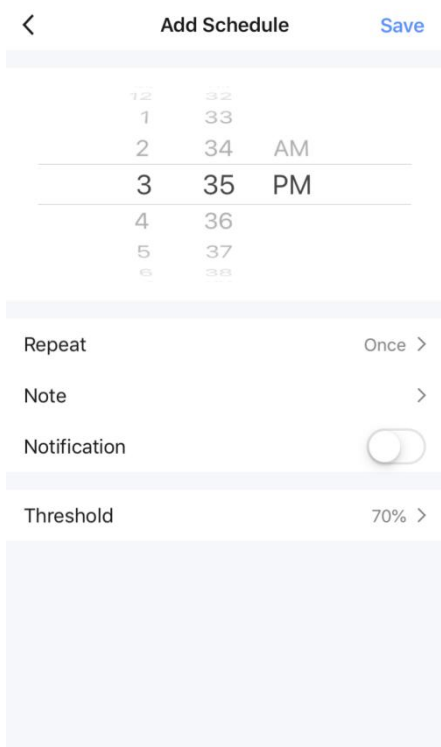
14. Tap "Schedule" to set the scheduled automatic switch. Tap "Add".



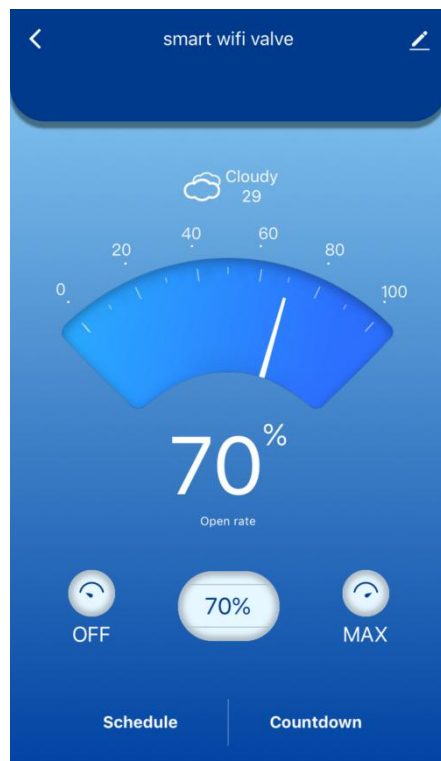
15. Tap “Threshold” to select the open percentage.



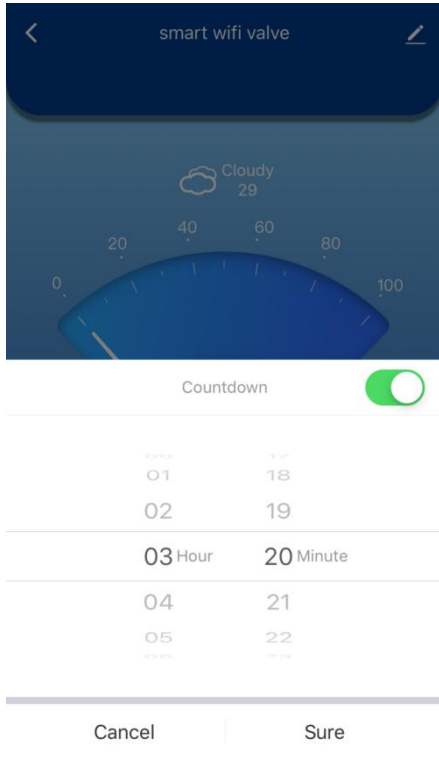
17. The schedule has successfully been set.



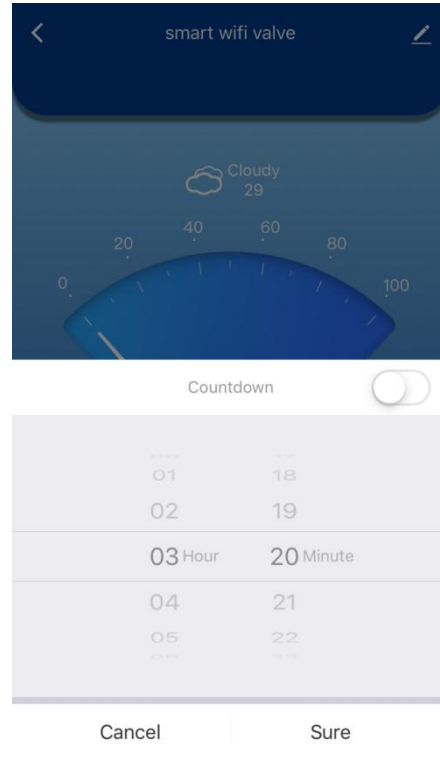
16. Swipe to select the scheduled time and tap “Save” to save the schedule.



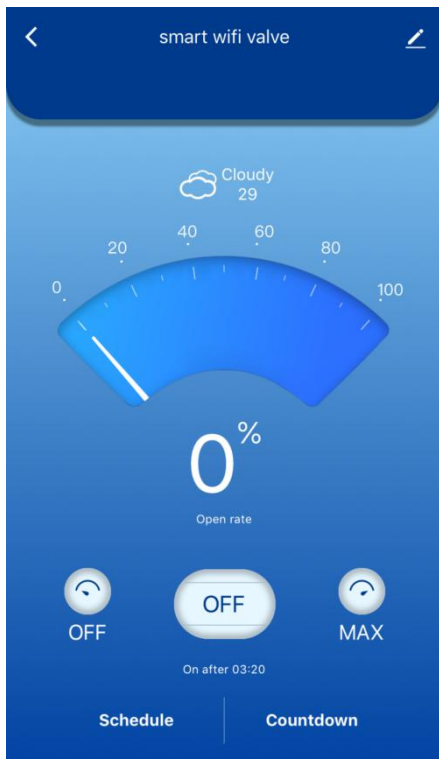
18. The smart valve will open or close to the selected open rate when the scheduled time is up.



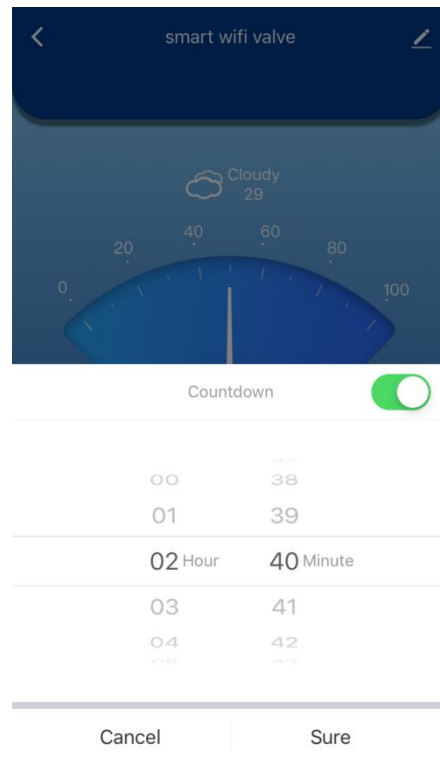
19. Tap "Countdown" to set the countdown automatic switch, then tap "Sure".



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



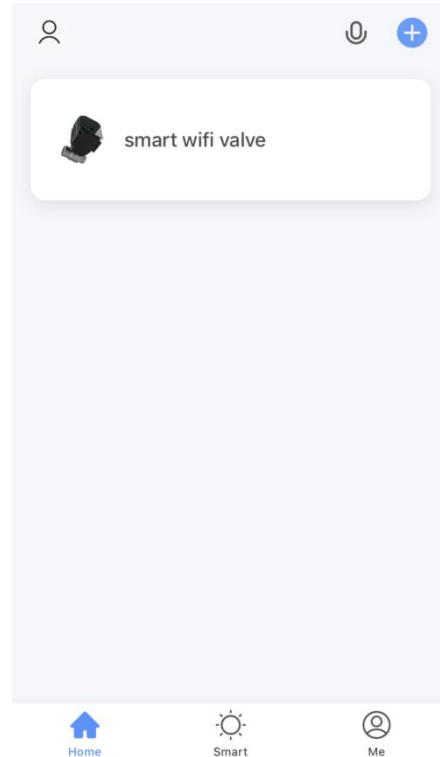
20. The smart valve will automatically open to max when the countdown is over.



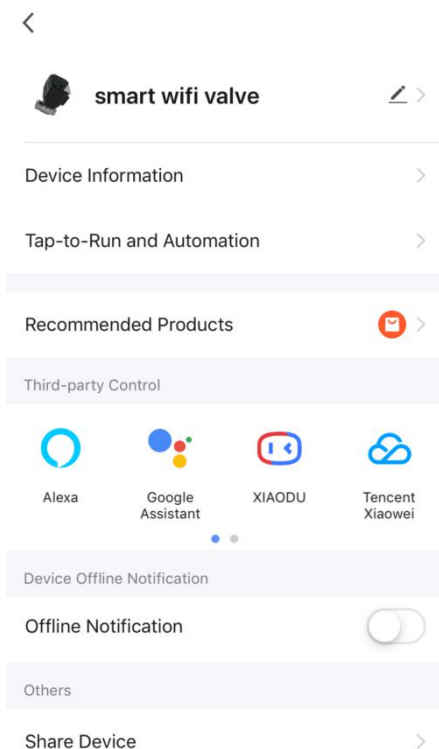
22. When the smart valve is open, tap the "Countdown" to set a time.



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](http://ussolid.com)  
 You can email us at [service@ussolid.com](mailto:service@ussolid.com)  
 You can call one of our friendly customer service representative at +1(800) 209-4177