



# Instruction Manual

## U.S. Solid Smart Motorized Ball Valve



U.S. Solid Smart Motorized Ball Valve is a cutting-edge motorized ball valve with integrated smart control capabilities. This intelligent valve can be easily operated via mobile devices by connecting to Wi-Fi through a dedicated app, offering a revolutionary upgrade in automation and ease of use compared to conventional motorized ball valves.

- **Manual Override:** Alongside smart control, the valve includes a manual switch for direct operation.
- **Smart Integration:** Compatible with Google Home and Amazon Alexa, enabling control via app commands or voice through Bluetooth speakers.
- **Power Failure Safety:** Automatically shuts within 2 seconds during a power outage, providing reliable protection.

## Specifications

Material: 304SS / Brass, UPVC

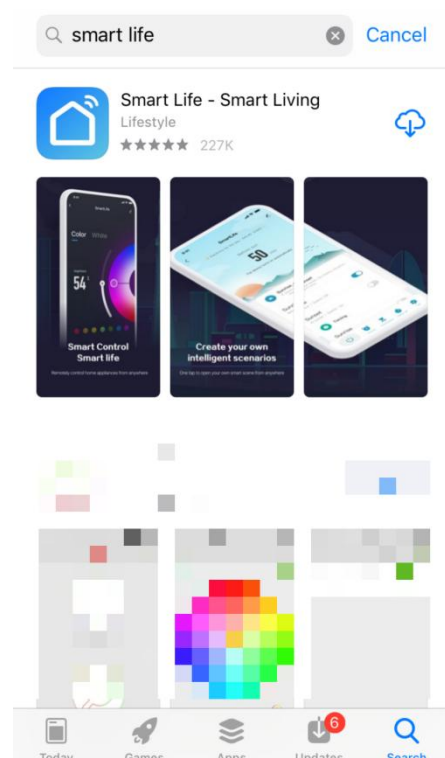
Max Pressure: 1.0 Mpa

Wiring Type: USB / Plug

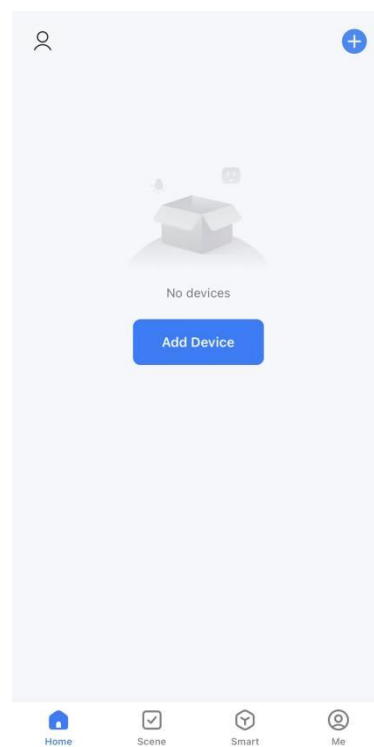
Input Voltage: 5V DC / 110(220)V AC

Ambient Temperature Range: -20℃-45℃

## Connection and Operation



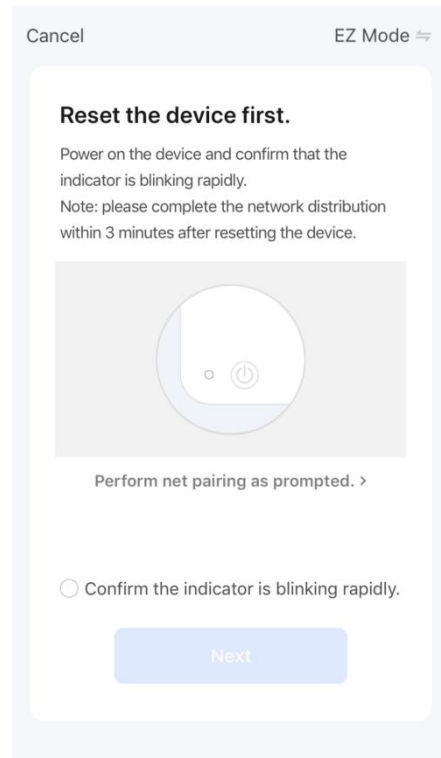
1. Download the “Smart Life” application from the Apple Store or Google Play. Sign up and log in.



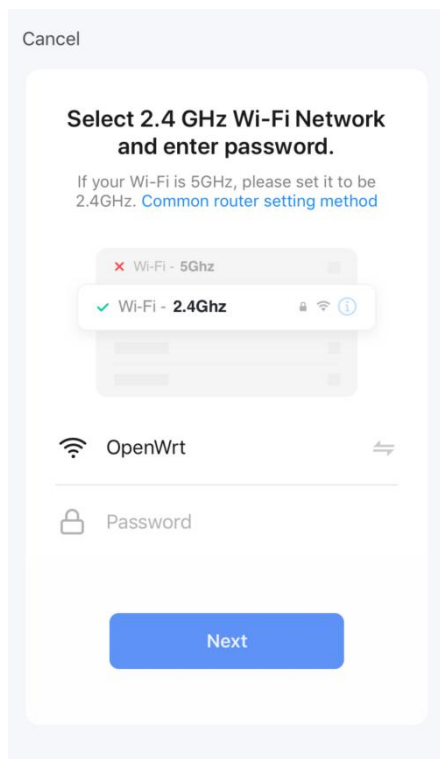
2. After connecting the U.S. Solid Smart Valve to the power, tap “Add Device” or the “+” at the upper-right corner.



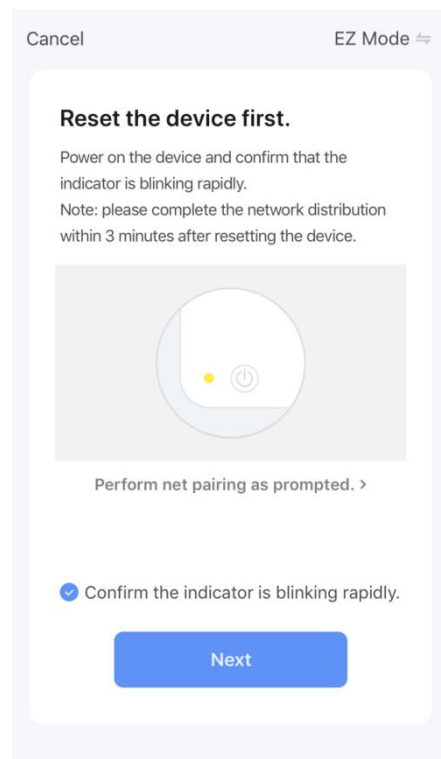
3. Swipe to the bottom and tap “Others”, then tap “Connector (Wi-Fi)”.



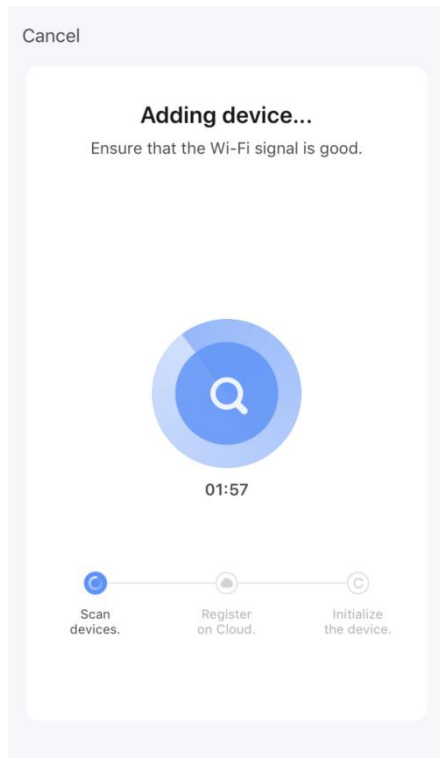
5. Connect your U.S. Solid Smart Motorized Ball Valve to the power.



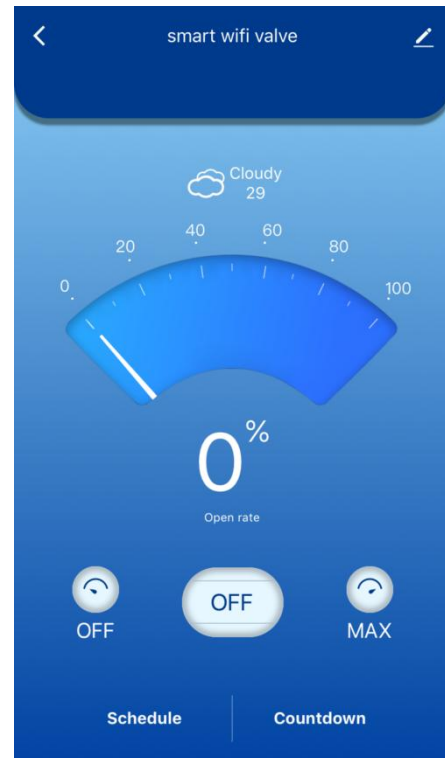
4. Select the Wi-Fi you want to connect to, fill in the password and tap “Next”.



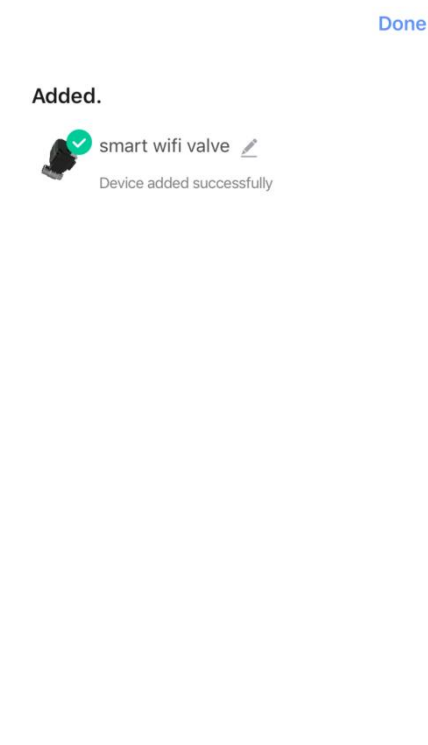
6. Tap “Confirm the indicator is blinking rapidly” and then tap “Next”.



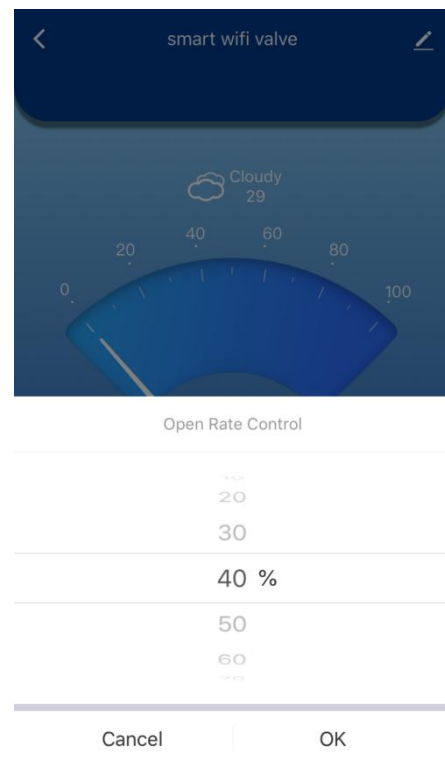
7. The network distribution will be performed automatically.



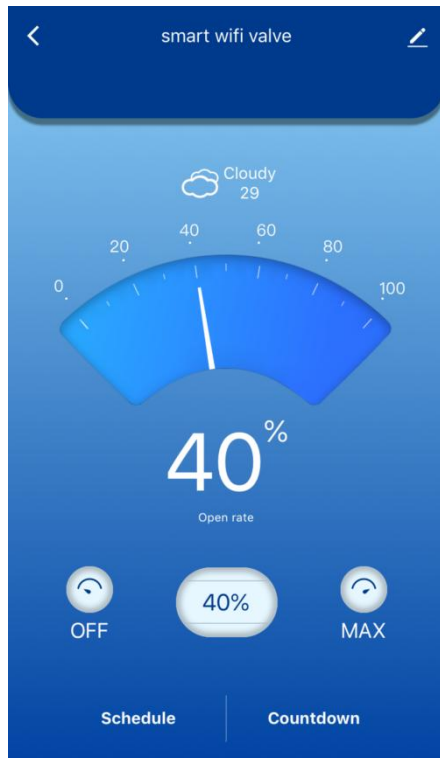
9. Then operation interface has been entered.



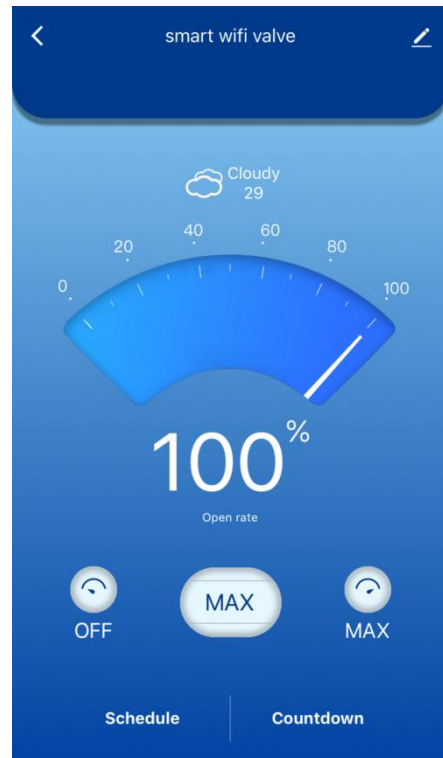
8. After the valve has been added, tap "Done" at the upper-right corner.



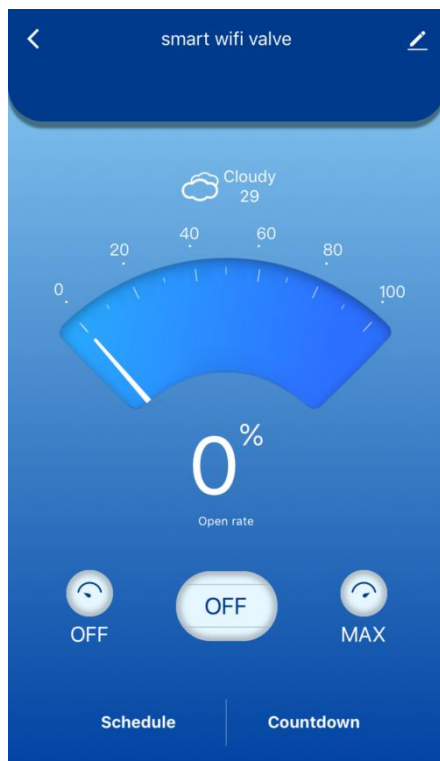
10. Tap "OFF" in the center and swipe to select the open rate, then tap "OK".



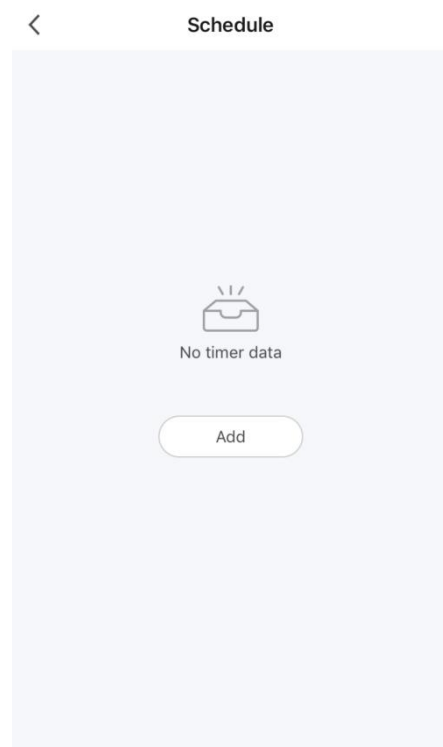
11. The valve will open to the open rate selected.



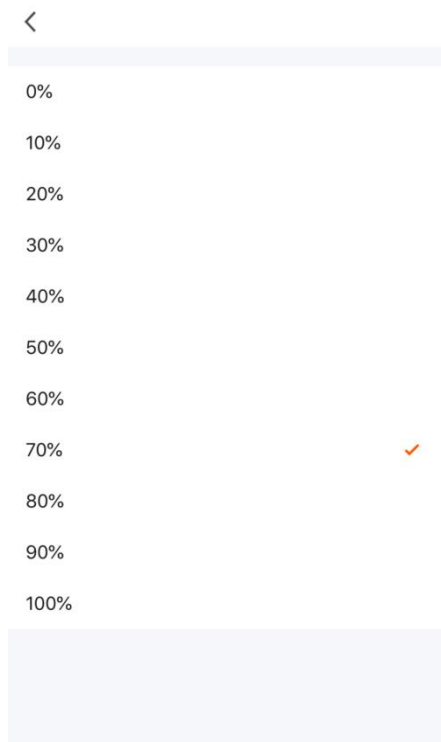
13. Tap "MAX" on the right side. The valve will open completely.



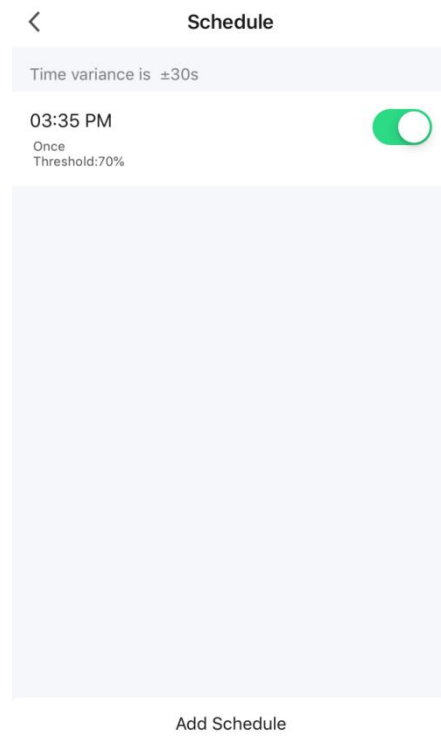
12. Tap "OFF" on the left side. The valve will close completely.



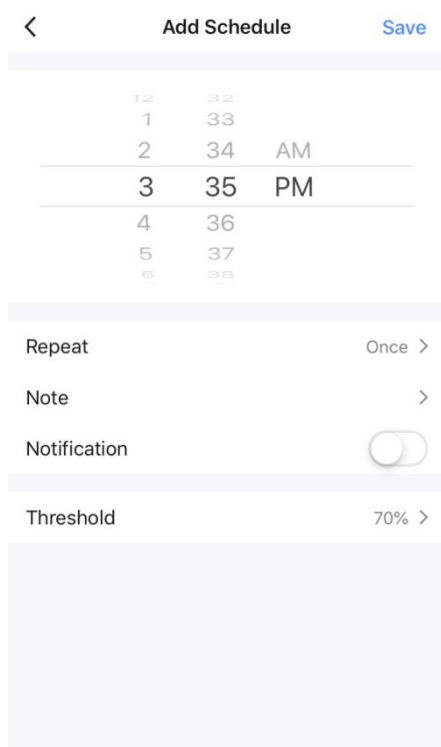
14. Tap "Schedule" to set the scheduled automatic switch. Tap "Add".



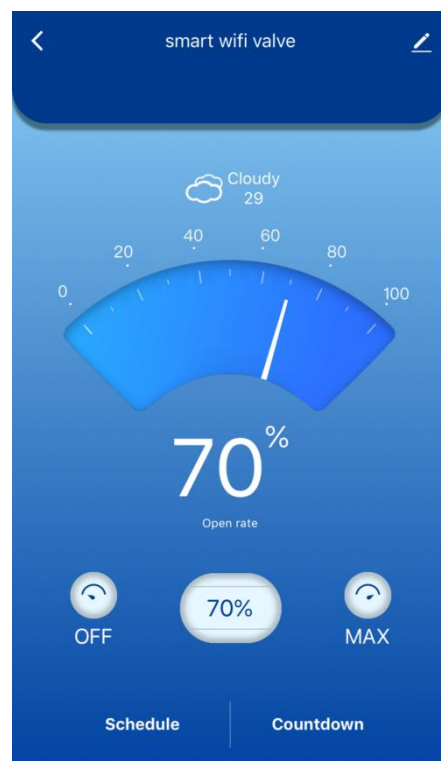
15. Tap “Threshold” to select the open percentage.



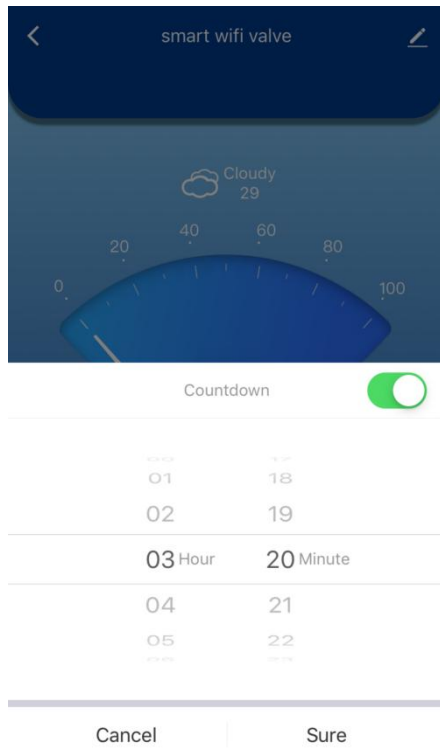
17. The schedule has successfully been set.



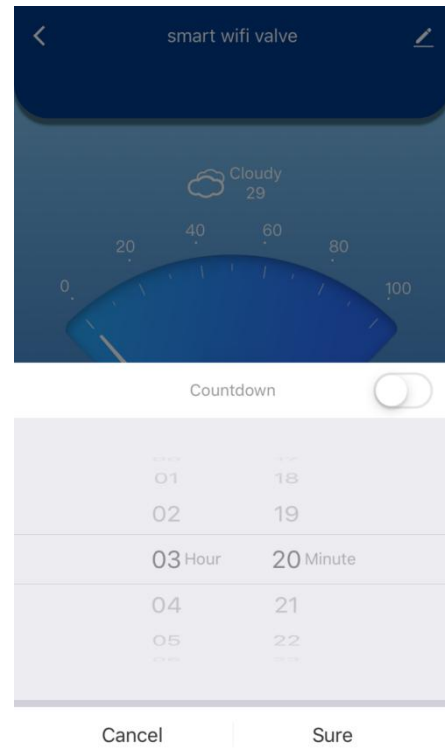
16. Swipe to select the scheduled time and tap “Save” to save the schedule.



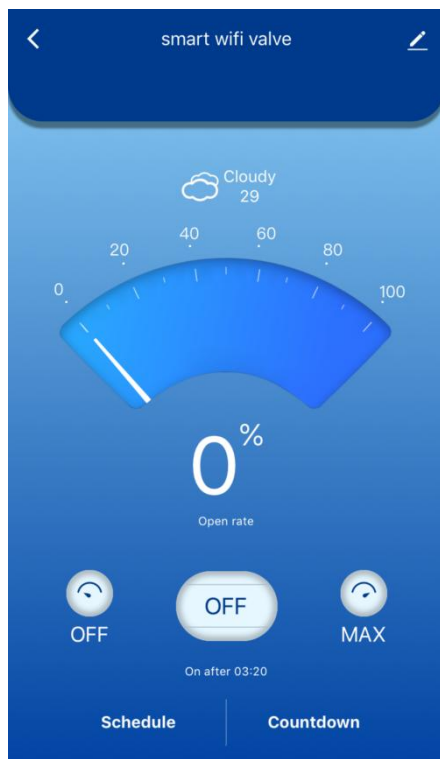
18. The smart valve will open or close to the selected open rate when the scheduled time is up.



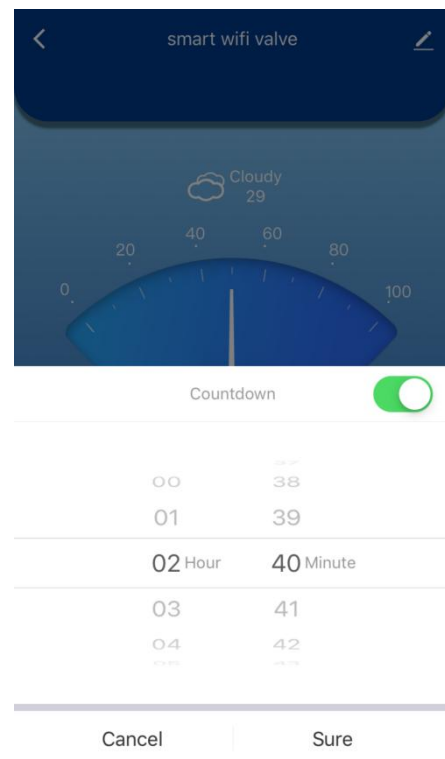
19. Tap “Countdown” to set the countdown automatic switch, then tap “Sure”.



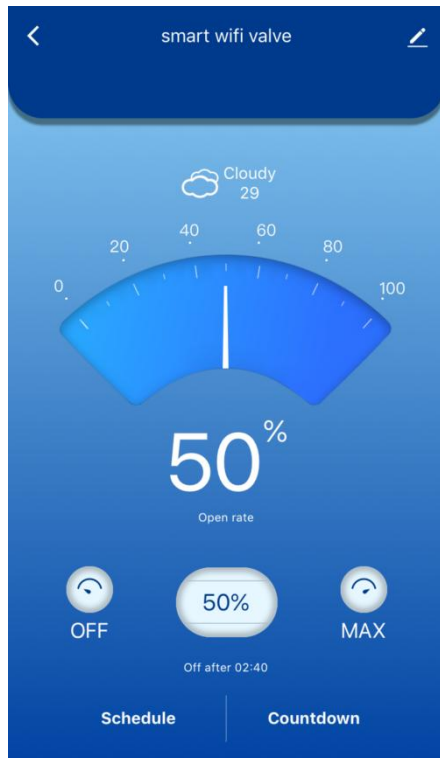
21. The countdown can be canceled by tapping the white dot.



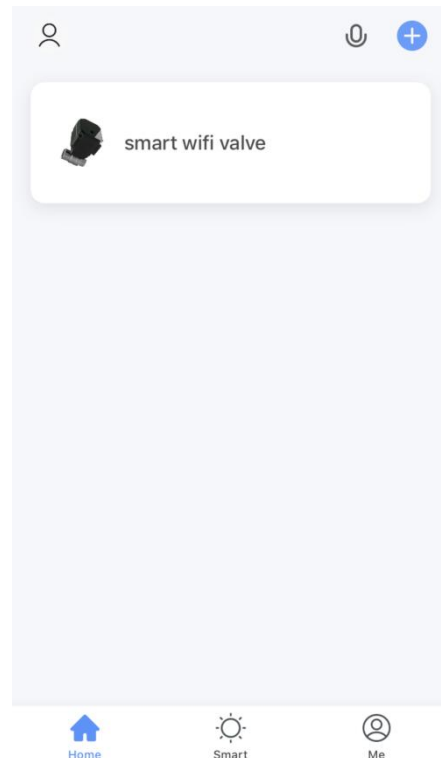
20. The smart valve will automatically open to max when the countdown is over.



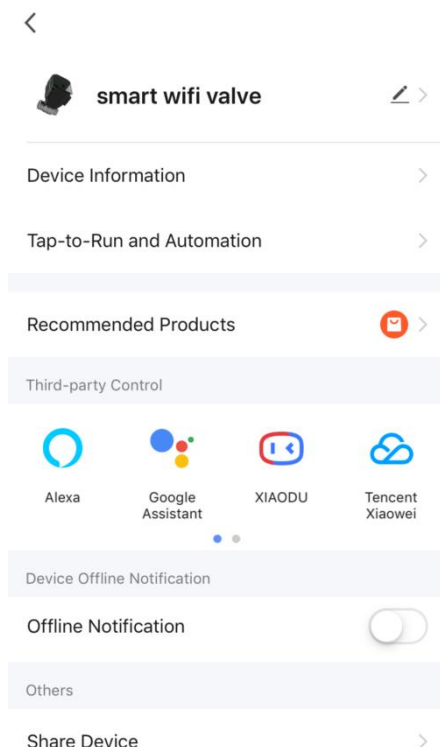
22. When the smart valve is open, tap the “Countdown” to set a time.



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)