FRANKEVER Water Valve WIFI DN15(1/2")-Water Valve

FRANKEVER Smart Water Valve Instruction Manual

Model: Water Valve WIFI DN15(1/2")-Water Valve
Brand: FRANKEVER

1. INTRODUCTION

Thank you for choosing the FRANKEVER Smart Water Valve. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new smart water valve. Please read it thoroughly before use and retain it for future reference.

2. PRODUCT OVERVIEW

Key Features

- **Safe and Durable Material:** Constructed from high-end SS304 (Food Grade 304 Stainless Steel) and Engineering Plastic (ABS) for a secure water supply.
- **Accurate Flow Control:** Offers precise flow adjustment from 0% to 100% via the mobile app.
- **Multi-Scene Application:** Suitable for home water supply, garden irrigation, farm irrigation, and integration with water leak sensors for automatic shut-off.
- **Easy Programming via APP:** Control and manage watering schedules remotely using the Smart Life App (Android, iOS) over 2.4Ghz WiFi.
- **Accessory Options:** Available in various pipe sizes including DN15 (1/2"), DN20 (3/4"), DN25 (1"), and DN32.
- **Power Failure Protection:** Designed with features to protect against power outages.

Product Components

The FRANKEVER Smart Water Valve is a compact unit designed for easy integration into your water system.

Figure 2.1: FRANKEVER Smart Water Valve shown with its mobile application interface.

Figure 2.2: Detailed product specifications including model number FK-V02, materials, valve sizes, and electrical requirements.

3. Setup & Installation

Package Contents

- 1 x Smart Water Valve
- 1 x USB Cable
- 1 x User Manual
- 1 x EVA Lining (for packaging protection)

For a visual guide on what's included, please refer to the unboxing video:

Video 3.1: Smart Water Valve Unboxing Video. This video shows all components included in the product package.

Installation Steps

1. **Choose Correct Valve Size:** Ensure you have selected the correct valve size (DN15, DN20, DN25, or DN32) based on your existing pipe size.
2. **Prepare Installation Location:** Select a suitable location for installation, ensuring it is accessible for maintenance and within range of your 2.4Ghz WiFi network.
3. **Connect to Pipe:** Install the smart water valve into your water pipe system. The valve features female thread openings on both sides. You may need to provide appropriate NPT to MPT adapters to fit standard garden hoses or other pipe types.
4. **Connect Power:** Connect the provided USB cable to the smart water valve. The cable has a water-tight rounded screw union connection. Plug the USB-A fitting into a compatible USB power adapter (not included).
5. **Verify Power:** Once connected, the blue light on the valve should start flashing, indicating it is powered on and ready for pairing.

For a visual demonstration of the connection process, refer to the video below:

Video 3.2: WIFI Smart Water Valve. This video demonstrates the physical connection and initial power-up of the valve.

Figure 3.1: Front view of the Smart Water Valve, showing the manual switch and indicator light.

Figure 3.2: Side view of the Smart Water Valve, illustrating the power input and valve connection.

4. OPERATING INSTRUCTIONS

App Control (Smart Life App)

1. **Download App:** Download the