**Chatthen B08SBN1F57**

# Chatthen Smart WiFi Water/Gas Valve Timer User Manual

Model: B08SBN1F57

## 1. INTRODUCTION

Thank you for choosing the Chatthen Smart WiFi Water/Gas Valve Timer. This device allows for automated and remote control of your water or gas supply, enhancing convenience and safety in your home, garden, or farm. It integrates with your existing 2.4GHz WiFi network and offers control via a smartphone app, Bluetooth, and voice assistants like Amazon Alexa and Google Home.

This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and longevity of your smart valve. Please read it thoroughly before use.

## 2. SAFETY INFORMATION

- Ensure the power supply is disconnected before installation or maintenance to prevent electric shock.

- This device is designed for use with water or gas valves. Do not use it for other purposes.

- Verify that the valve is compatible with the pipe size range of 1/2 inch to 1-1/2 inch (14-44 mm).

- Install the device in a location protected from extreme weather conditions unless specifically rated for outdoor use.

- Keep the device away from children and pets.

- In case of a power outage, the valve can be operated manually using the pull ring.

- For gas applications, ensure professional installation and regular checks for leaks.

## 3. PACKAGE CONTENTS

Please check the package for the following items:

- Smart WiFi Water/Gas Valve Timer Unit

- Pipe Clamps (2 pieces)

- Power Adapter

- Hex Key (for installation)

- User Manual (this document)



Figure 3.1: Included components of the Chatthen Smart WiFi Water/Gas Valve Timer.

# 4. SETUP AND INSTALLATION

## 4.1. Physical Installation

The valve timer is designed for easy user installation, typically within two minutes, without requiring professional assistance. It is suitable for pipe sizes ranging from 1/2 inch to 1-1/2 inch (approximately 14 - 44 mm).

1. **Prepare the Valve:** Ensure the existing water or gas valve is in the closed position before installation.

2. **Position the Smart Valve:** Place the smart valve timer unit over the handle of your existing valve. The motor unit should be positioned directly above the valve handle.

3. **Secure with Clamps:** Use the provided pipe clamps to firmly attach the smart valve timer to the pipe. Ensure the clamps are tightened securely using the hex key.

4. **Align Coaxial Lines:** Pay close attention to the alignment of the coaxial lines during installation. Proper

alignment ensures smooth operation.

5. **Connect Power:** Plug the power adapter into the smart valve timer and then into a standard electrical outlet. The power indicator light on top of the unit will illuminate.
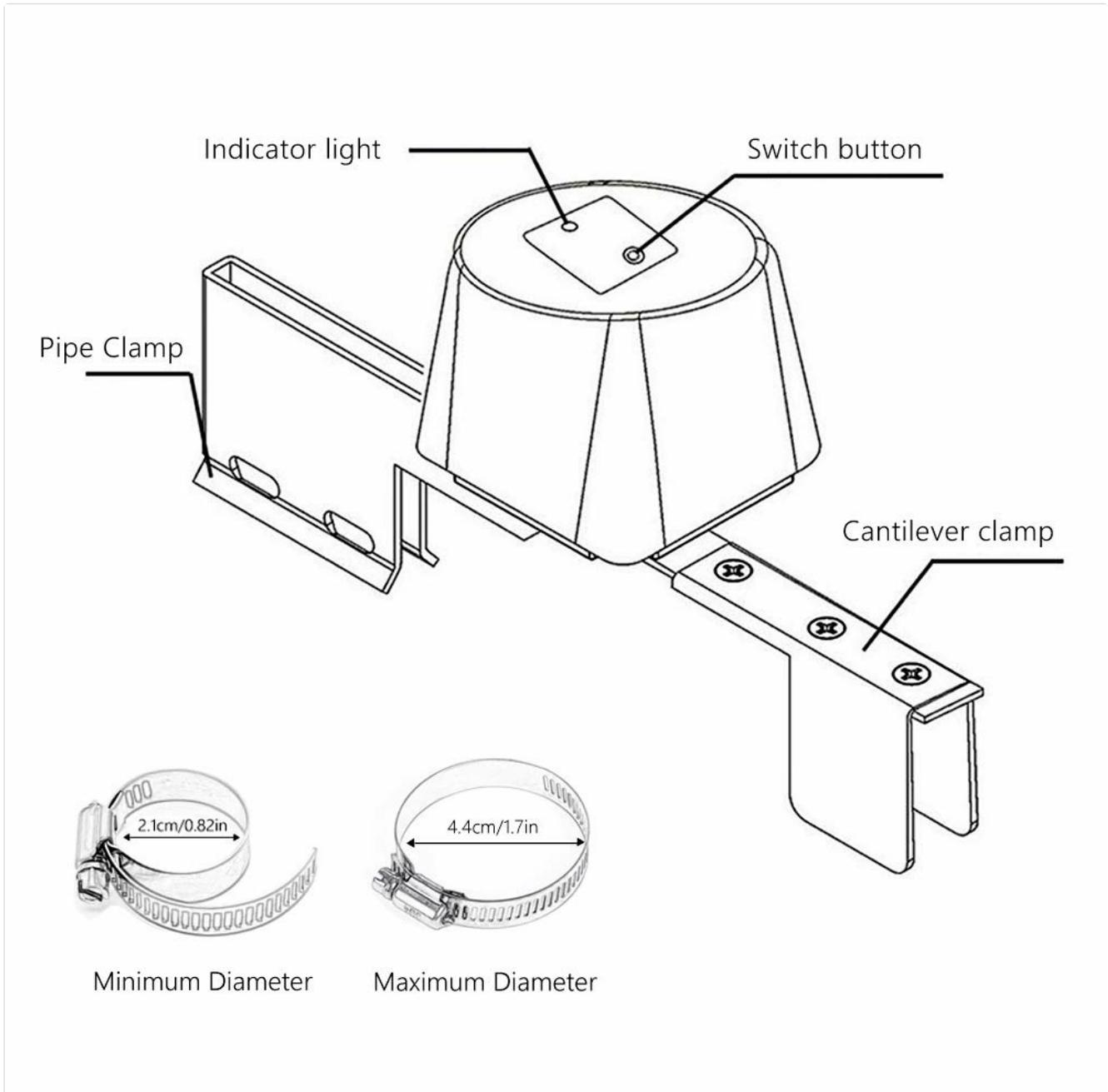
Indicator light    Switch button

Pipe Clamp

Cantilever clamp

2.1cm/0.82in

4.4cm/1.7in

Minimum Diameter        Maximum Diameter

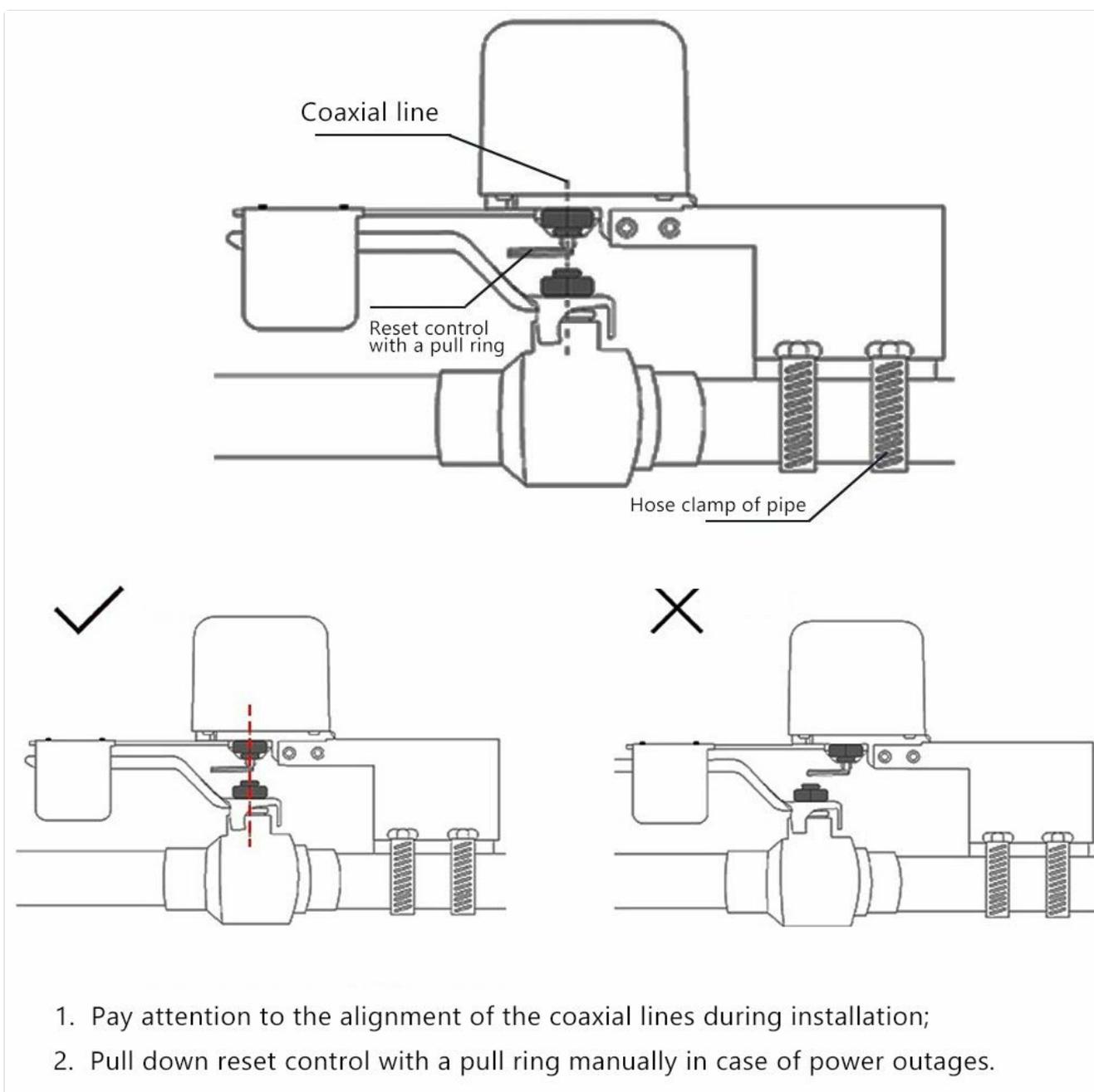Figure 4.1: Component overview and pipe clamp dimensions.

Figure 4.2: Correct alignment of coaxial lines for installation.

## 4.2. App and Network Connection

The Chatthen Smart Valve Timer connects to your home WiFi network (2.4GHz only, 5GHz is not supported) via the Smart Life app.

1. **Download App:** Download the "Smart Life" app from your smartphone's app store (iOS or Android).

2. **Register/Log In:** Open the app and register for a new account or log in if you already have one.

3. **Add Device:** Follow the in-app instructions to add a new device. Select the appropriate device type (e.g., "Valve Controller" or "Water Valve").

4. **Connect to WiFi:** Ensure your smartphone is connected to a 2.4GHz WiFi network. Enter your WiFi password when prompted by the app.

5. **Pairing Mode:** The device will enter pairing mode (usually indicated by a blinking light). Confirm this in the app.

6. **Completion:** Once connected, you can rename the device and begin controlling it through the app.

Figure 4.3: Connecting the smart valve to WiFi via smartphone.

# 5. OPERATING INSTRUCTIONS

## 5.1. Remote Control via Smart Life App

Once the device is connected to your Smart Life app, you can control the valve from anywhere with an internet connection.

- Open the Smart Life app.
- Select your Chatthen Smart Valve Timer from the device list.
- Tap the on/off button within the app to open or close the valve.
- You can also set schedules, timers, and countdowns for automatic operation.

Figure 5.1: Remote control functionality via smartphone.

## 5.2. Bluetooth Control

For local control without WiFi, the valve can be operated via Bluetooth within a 10-meter range.

- Ensure Bluetooth is enabled on your smartphone.
- Open the Smart Life app and select the device.
- The app will automatically detect the device via Bluetooth if within range.
- You can then control the valve as you would with WiFi.

## 5.3. Voice Control (Alexa/Google Home)

The smart valve is compatible with Amazon Alexa and Google Assistant for convenient voice commands.

- **Link Accounts:** In your Alexa or Google Home app, enable the "Smart Life" skill/action and link your Smart Life account.
- **Discover Devices:** Ask Alexa or Google Home to discover new devices.
- **Voice Commands:** Use commands such as:

- "Alexa, turn on the water valve."
- "Google Home, turn off the water valve."
- When using voice control for irrigation, the irrigation duration can be set for 10 minutes.



Figure 5.2: Voice control integration with Alexa and Google Home.

## 5.4. Manual Control

In case of a power outage or if remote control is unavailable, the valve can be operated manually.

- The device features a manual reset control with a pull ring.
- Pull the ring to disengage the motor and manually turn the valve handle to the desired open or closed position.
- Push the ring back in to re-engage the motor for smart control once power is restored.

## 5.5. Wide Applications

The Chatthen Smart Valve Timer is versatile and can be used in various settings:

- **Home Use:** Control tap water, prevent water/gas leaks when paired with a smart smoke detector.

- **Agriculture:** Automated irrigation for farmland.
- **Gardening:** Scheduled watering for gardens.
- **Livestock Farming:** Automated water supply.



Figure 5.3: Examples of smart valve applications.

# 6. MAINTENANCE

To ensure the long-term performance of your Chatthen Smart WiFi Water/Gas Valve Timer, follow these maintenance guidelines:

- **Regular Cleaning:** Periodically wipe the exterior of the device with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Check Connections:** Ensure all physical connections, including pipe clamps and power adapter, remain secure.
- **Software Updates:** Keep the Smart Life app updated to the latest version to benefit from new features and security enhancements.

- **Environmental Protection:** Protect the device from direct exposure to harsh weather conditions, extreme temperatures, and excessive moisture.
- **Manual Operation Test:** Occasionally test the manual override function using the pull ring to ensure it operates correctly in case of a power failure.

## 7. TROUBLESHOOTING

If you encounter issues with your Chatthen Smart WiFi Water/Gas Valve Timer, refer to the following troubleshooting tips:

| Problem | Possible Cause | Solution |
| --- | --- | --- |
| Device not powering on | No power supply; Faulty adapter | Check power outlet; Ensure adapter is securely connected; Try a different outlet. |
| Cannot connect to WiFi | Incorrect WiFi band (5GHz); Wrong password; Weak signal | Ensure you are on a 2.4GHz network; Re-enter WiFi password; Move device closer to router; Restart router. |
| App control not working | No internet connection; App glitch; Device offline | Check internet connectivity; Restart Smart Life app; Verify device is online in app; Re-pair device if necessary. |
| Voice control not responding | Alexa/Google Home not linked; Device name not recognized | Ensure Smart Life skill/action is enabled and accounts are linked; Try renaming the device to something simpler. |
| Valve not opening/closing fully | Improper installation; Obstruction; Mechanical issue | Check coaxial line alignment (Figure 4.2); Ensure no obstructions; Test manual operation. |

## 8. SPECIFICATIONS

**Brand:** Chatthen

**Model:** B08SBN1F57

**Product Dimensions:** 22 x 12 cm

**Shipping Dimensions:** 20.5 x 13.2 x 9.8 cm

**Weight:** 770 grams

**Operating Mode:** On/Off

**Current Rating:** 2 Amps

**Operating Voltage:** 120 Volts

**Connection Type:** Normally Open

**Connector Type:** Plug

**Switch Type:** Toggle

**Terminal:** Virtual Control Interface

**Material:** Plastic

**Mounting Type:** Wall Mount

**Compatible Pipe Size:** 1/2 inch to 1-1/2 inch (14 - 44 mm)

**Wireless Connectivity:** WiFi 2.4GHz (IEEE 802.11b/g/n), Bluetooth

**App Support:** Smart Life App

**Voice Assistant Support:** Amazon Alexa, Google Home

## 9. WARRANTY AND SUPPORT

The Chatthen Smart WiFi Water/Gas Valve Timer comes with a standard manufacturer's warranty. Please refer to the product packaging or the seller's website for specific warranty terms and conditions.
For technical support, troubleshooting assistance, or warranty claims, please contact the seller or manufacturer directly through the platform where the product was purchased. Have your product model number (B08SBN1F57) and purchase date ready when contacting support.