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› STECHRO Smart Water Leak Detector Instruction Manual

## STECHRO B0DPMCSB5B

# Smart Water Leak Detector Instruction Manual

Model: B0DPMCSB5B | Brand: STECHRO

## 1. INTRODUCTION

Thank you for choosing the STECHRO Smart Water Leak Detector. This device is designed to provide real-time alerts and monitoring for water leaks and drips in your home, helping to prevent costly water damage. With its smart WiFi gateway and mobile app integration, you can stay informed even when you're away. This manual will guide you through the setup, operation, and maintenance of your new water leak detection system.



Image: The STECHRO Smart Water Leak Detector system, highlighting its WiFi and app capabilities.

## 2. PRODUCT OVERVIEW

### 2.1 Package Contents

Ensure all items are present in your package:

- 1 x Water Leak Detector (Sensor)
- 1 x 2.4Ghz WiFi Gateway
- 2 x AAA Batteries (for sensor)
- 1 x Adapter (for gateway)
- 1 x Type-C Charging Cable (for gateway)
- 2 x Open Tools
- 1 x User Manual (this document)



Image: All components included in the STECHRO Smart Water Leak Detector package.

## 2.2 Device Components

The system consists of two main parts: the Water Leak Sensor (WD77) and the WiFi Gateway (W13).

- **Water Leak Sensor (WD77):** This triangular-shaped device detects water. It features four sensors on the bottom for general leakage and one front probe for detecting drips. It operates on AAA batteries.
- **WiFi Gateway (W13):** This central hub connects the sensors to your home WiFi network (2.4GHz only) and sends alerts to your mobile app. It is rechargeable via a Type-C cable.

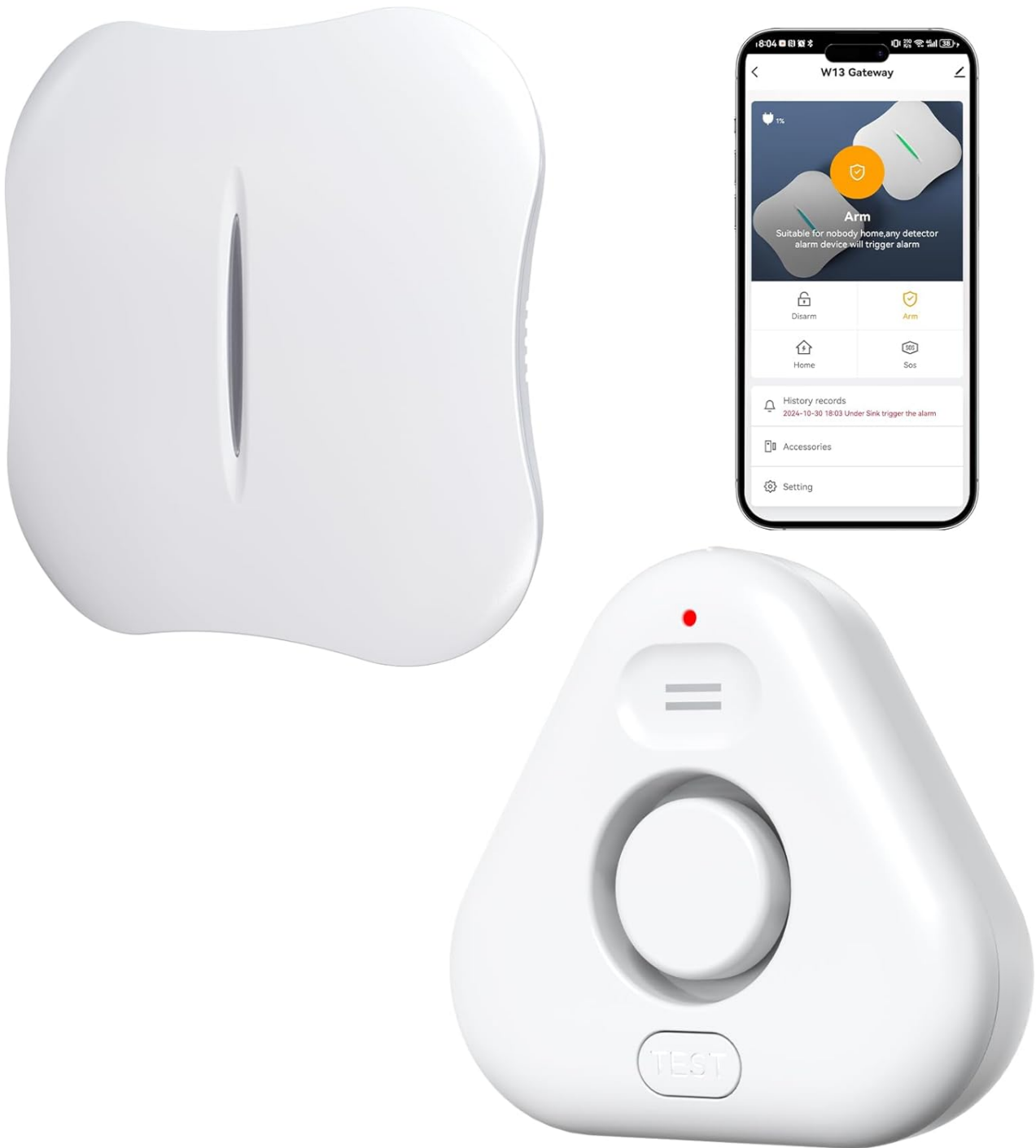


Image: The water leak sensor, WiFi gateway, and a representation of the mobile app interface.

## 3. SETUP

### 3.1 App Installation

1. Download the **TUYA APP** from your smartphone's app store (available on Google Play Store and Apple App Store).
2. Register or log in to your TUYA APP account.

### 3.2 WiFi Gateway Setup

1. Plug in the WiFi Gateway using the provided adapter and Type-C charging cable. The gateway has a rechargeable battery for up to 10 hours of backup power.

2. Open the TUYA APP and follow the on-screen instructions to add a new device. Select the gateway from the list of available devices.
3. Connect the gateway to your **2.4GHz WiFi network**. Ensure your smartphone is also connected to the same 2.4GHz network during setup.
4. Once connected, the gateway's indicator light will confirm successful pairing.



Image: The WiFi Gateway connected to power via its USB-C charger.

### 3.3 Sensor Pairing

The system supports connecting up to 24 sensors to one gateway.

1. Ensure AAA batteries are correctly installed in the water leak sensor.
2. In the TUYA APP, navigate to the gateway settings and select "Accessories" (or similar option).
3. Follow the app's instructions to add a new water leak sensor. This typically involves pressing a button on the sensor or triggering it to enter pairing mode.
4. Once paired, you can customize the sensor's name within the app (e.g., "Kitchen Sink," "Basement").

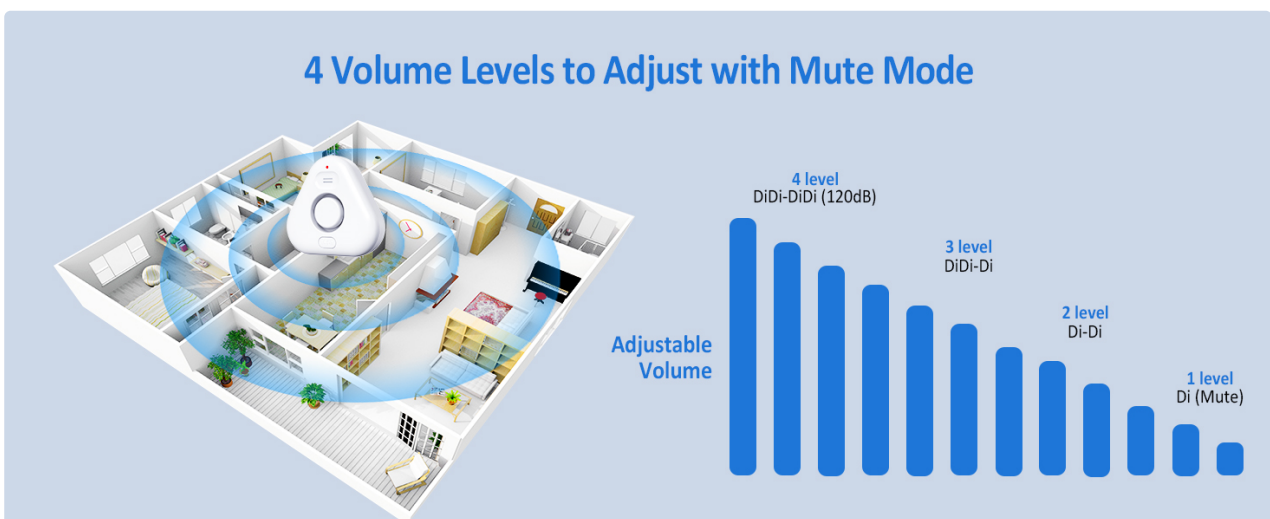


Image: Steps within the TUYA app to manage and customize connected sensors.

## 4. OPERATION

## 4.1 Sensor Placement

Place the water leak sensors in areas prone to water leaks or drips. Common locations include:

- Under kitchen sinks
- Near washing machines and dishwashers in laundry rooms
- Around water heaters or sump pumps in basements
- Next to toilets or bathtubs in bathrooms

### Choose 32 Ringtones, Customize Detectors Name

Accurately know the location of water leakage & take timely action

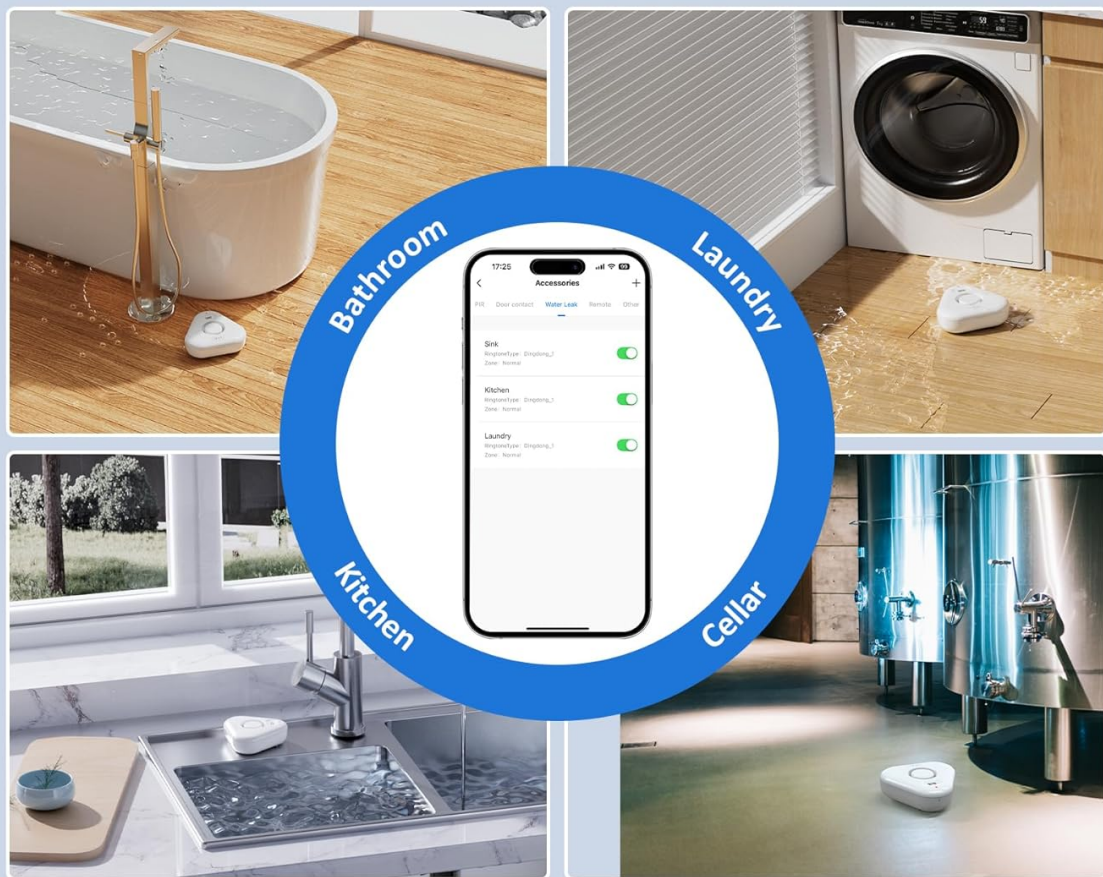


Image: Examples of optimal sensor placement in different areas of a home.

## 4.2 Detection Modes

The sensor is equipped with two detection methods:

- **Leakage Detection:** The four metal contacts on the bottom of the sensor detect standing water.
- **Drip Detection:** A front probe allows for the detection of small drips, providing earlier warning.

# Dripping & Leaking Water Alarm

## 2 Detection Methods, Wider Applications



Image: Visual explanation of the sensor's leakage and drip detection capabilities.

### 4.3 Receiving Alerts

When water is detected, the sensor will trigger an alarm, and the gateway will send an alert to your connected mobile app. The alarm volume can reach up to 120dB.

Video: Demonstration of the water leak sensor detecting water, triggering an alarm, and how to stop the alarm by pressing the 'TEST' button.

### 4.4 App Features

The TUYA APP offers various features for intelligent management:

- **Customizable Sensor Names:** Easily identify the exact location of a leak by assigning unique names to each sensor.
- **Adjustable Alarm Volume:** Set the alarm volume from 0-120dB, with 4 distinct levels and a mute mode.
- **32 Ringtones:** Choose from a variety of ringtones for your alerts.
- **Multi-Sharing Mode:** Share alerts with trusted family members or friends by binding their devices to your account.
- **Real-time Monitoring:** Receive instant notifications on your phone, allowing for remote monitoring.

# Real-time Alarms & Remote Control

Receive real-time notifications and operate via your phone app

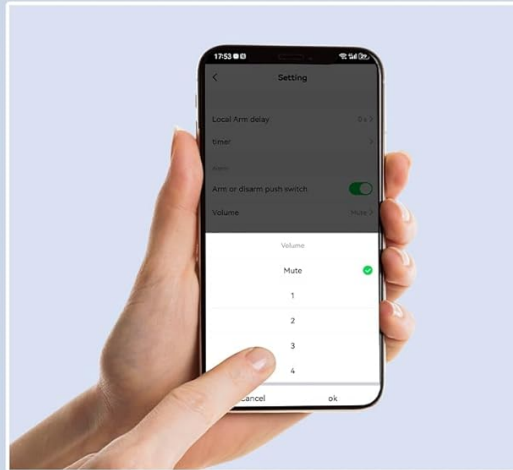


Image: The mobile app displaying real-time alarms and remote control functionalities.

## 4 Volume Levels to Adjust with Mute Mode

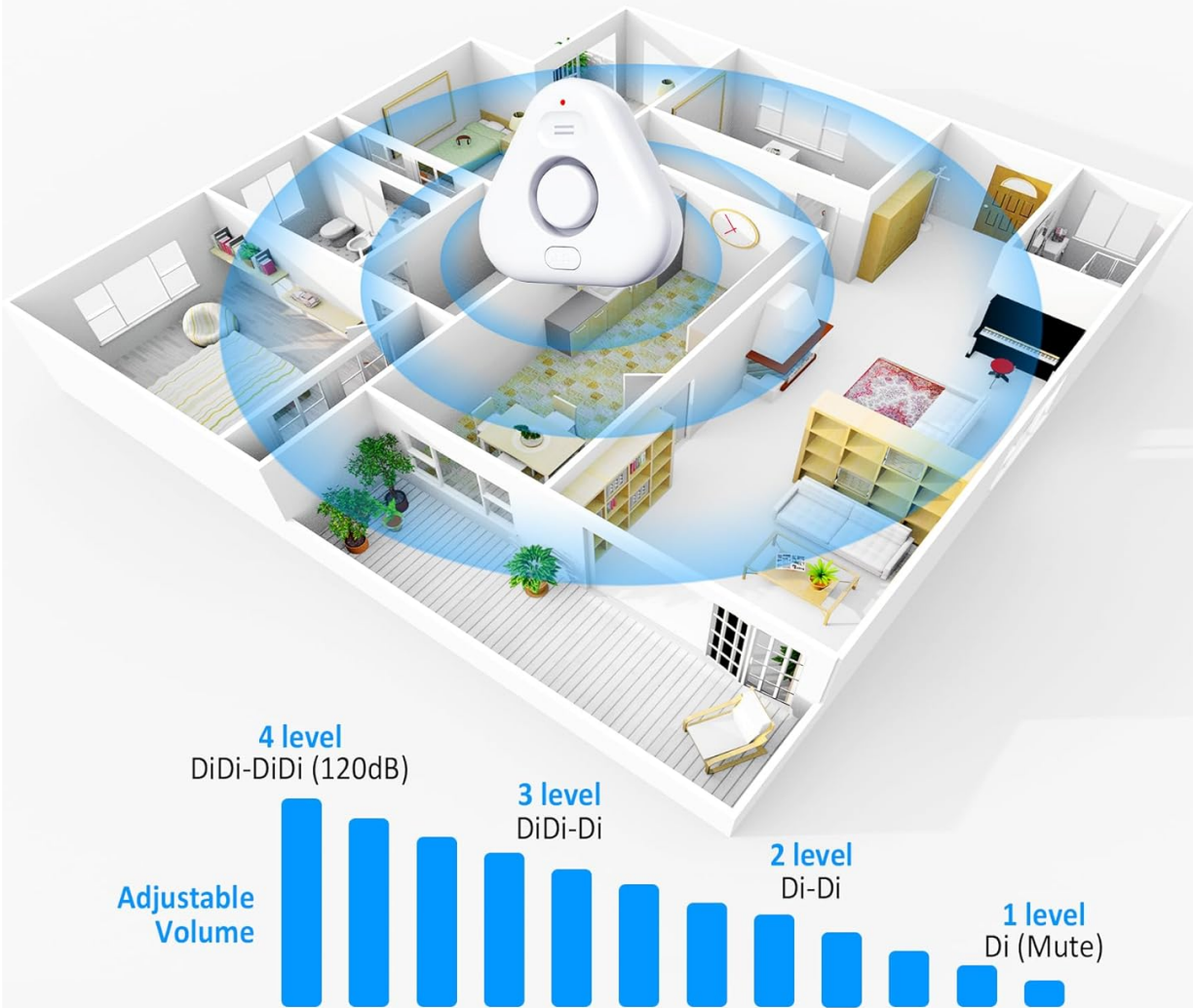
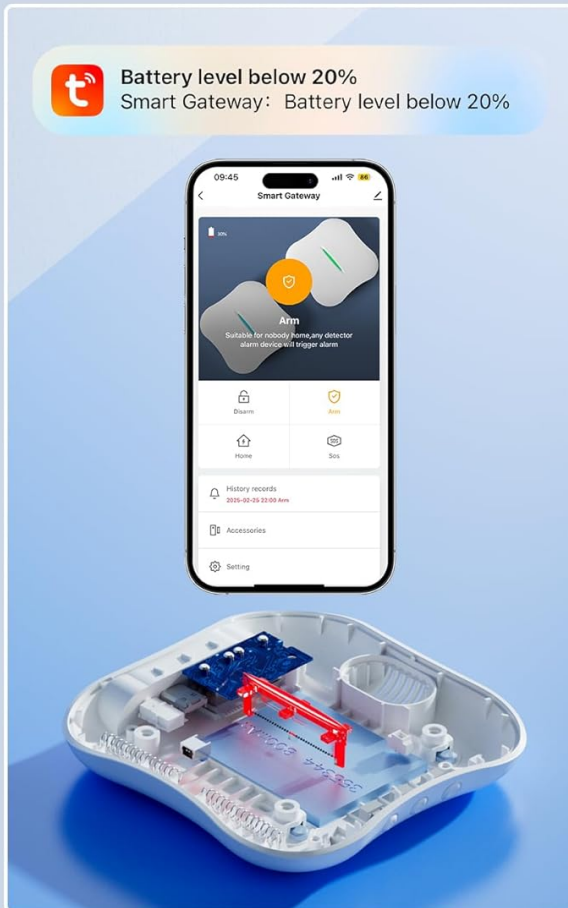


Image: Visual representation of the 4 adjustable volume levels for the alarm.

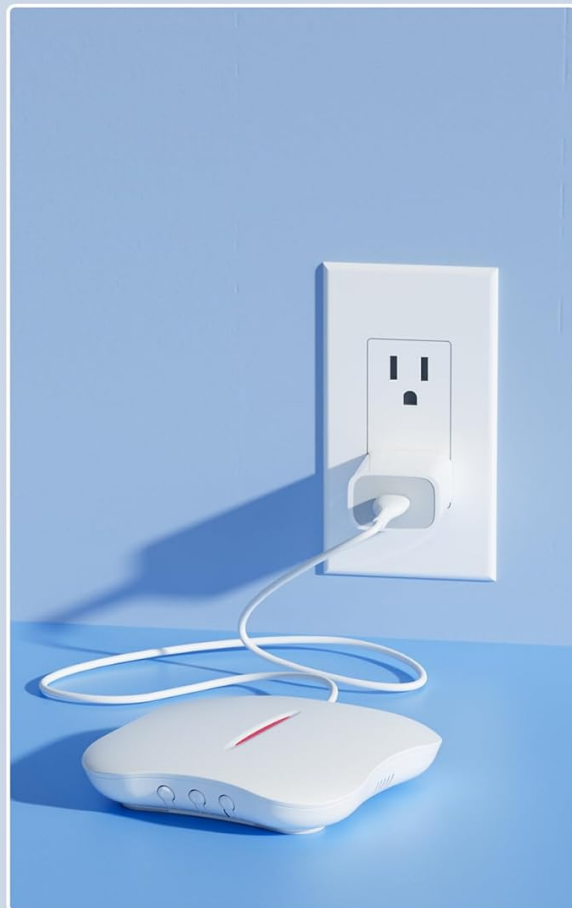
## 5. MAINTENANCE

### 5.1 Battery Management

- **Sensor Batteries:** The water sensors are designed for low power consumption, offering up to 2 years of battery life (2 x AAA batteries).
- **Gateway Battery:** The smart gateway features a rechargeable battery with up to 10 hours of backup power. It can be used while charging.
- **Low Battery Alert:** The mobile app will display an alert when the gateway's battery level falls below 20%. For sensors, the app will also indicate low battery status, reminding you to change batteries in time.



**Low Battery Indicator**  
< 20%, phone app will show an alert



**Rechargeable with Type-C**  
up to 10h of use & easy to move  
( It's better to keep it plugged in to use)

Image: The rechargeable gateway with a low battery indicator on the app.

## 5.2 Cleaning the Sensor

After a water detection event, it is important to clean and dry the sensor to ensure proper future operation. Simply wipe off any water from the sensor contacts and body with a dry cloth.

## 6. TROUBLESHOOTING

- **No Alerts Received:**
  - Ensure the gateway is connected to a 2.4GHz WiFi network. 5GHz networks are not supported.
  - Check if the gateway is powered on and has sufficient battery.
  - Verify that the sensor batteries are not depleted.
  - Confirm that app notifications are enabled on your smartphone.
  - Ensure the sensor is within range of the gateway (up to 328ft).

- **Sensor Not Pairing:**

- Make sure the sensor is a WD77 model, as only WD77 sensors can be paired with the WiFi gateway. Classic WD76 models are not WiFi compatible.
- Ensure the sensor has fresh batteries.
- Try resetting both the sensor and the gateway, then attempt pairing again.

- **Inaccurate Detections:**

- Ensure the sensor contacts are clean and dry when not in use.
- Verify the sensor is placed on a flat surface where water can reach the detection points.

## Upgraded VS Basic

	WD77	WD76
		
Connected W13 Gateway	✓	✗
Waterproof Level	IP66	IP66
Battery Life	2-year	2-year
Alarm Volume	0-120dB	0-120dB

Image: Comparison between the Upgraded WD77 (WiFi compatible) and Basic WD76 (non-WiFi) models.

## 7. SPECIFICATIONS

Feature	Specification
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Model	WD77 (Sensor), W13 (Gateway)
Connectivity	2.4GHz WiFi (Gateway)
Alarm Noise Level	0-120 dB (Adjustable)
Sensor Battery Life	Up to 2 years (2 x AAA batteries)
Gateway Battery Life	Up to 10 hours (Rechargeable)
Waterproof Rating	IP66
Max Sensors Supported	24
Control Method	App, Touch



Image: Key specifications including IP66 waterproof rating and battery life.

## 8. WARRANTY & SUPPORT

STECHRO provides high-quality service and lifetime technical support for your Smart Water Leak Detector. If you encounter any issues or have questions regarding your product, please do not hesitate to contact STECHRO customer support through the official channels provided at the point of purchase or on the STECHRO website.

For more information and support, please visit the [STECHRO Store on Amazon](#).