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YoLink YS1603+4YS7906

YoLink Water Leak Starter Kit (YS1603+4YS7906) Instruction Manual

1. INTRODUCTION

The YoLink Water Leak Starter Kit provides a comprehensive solution for detecting water leaks and preventing potential damage in your home or property. This kit includes a YoLink Hub and four (4) Leak Sensor 4 units, each equipped with a built-in 105 dB audible alarm. Utilizing LoRa (Long-Range) technology, the system offers reliable coverage and extended battery life, ensuring you receive timely alerts via app, email, or SMS/text messages. The system also supports Device-to-Device (D2D) communication, allowing sensors to trigger local alarms or shut-off valves even without an internet connection.

2. KIT CONTENTS

Your YoLink Water Leak Starter Kit includes the following components:

- 1 x YoLink Hub (Model: YS1603)
- 4 x YoLink Leak Sensor 4 (Model: YS7906)
- 1 x Ethernet Cable
- 1 x USB Power Cable
- 1 x USB Power Adapter
- 8 x AAA Batteries (2 per sensor, pre-installed)



Figure 1: YoLink Water Leak Starter Kit components.

3. SETUP INSTRUCTIONS

3.1. YoLink App Installation

1. Download the **YoLink App** from the App Store (iOS) or Google Play Store (Android).
2. Open the app and create a new account or log in if you already have one.

3.2. Hub Setup

1. Connect the YoLink Hub to power using the provided USB cable and power adapter.
2. Connect the Hub to your internet router using the provided Ethernet cable. Ensure the internet indicator light on the Hub turns solid blue.
3. In the YoLink App, tap the "+" icon or "Add Device" to add the Hub. The app should automatically detect the Hub. Follow the on-screen prompts to complete the setup.

3.3. Leak Sensor 4 Setup

1. Ensure the AAA batteries are correctly installed in each Leak Sensor 4.
2. In the YoLink App, tap the "+" icon or "Add Device".
3. Scan the QR code located on the back of each Leak Sensor 4.
4. Follow the app's instructions to name each sensor and assign it to a specific room or location (e.g., "Kitchen Sink", "Water Heater", "Laundry Room"). This helps in identifying the leak source quickly.

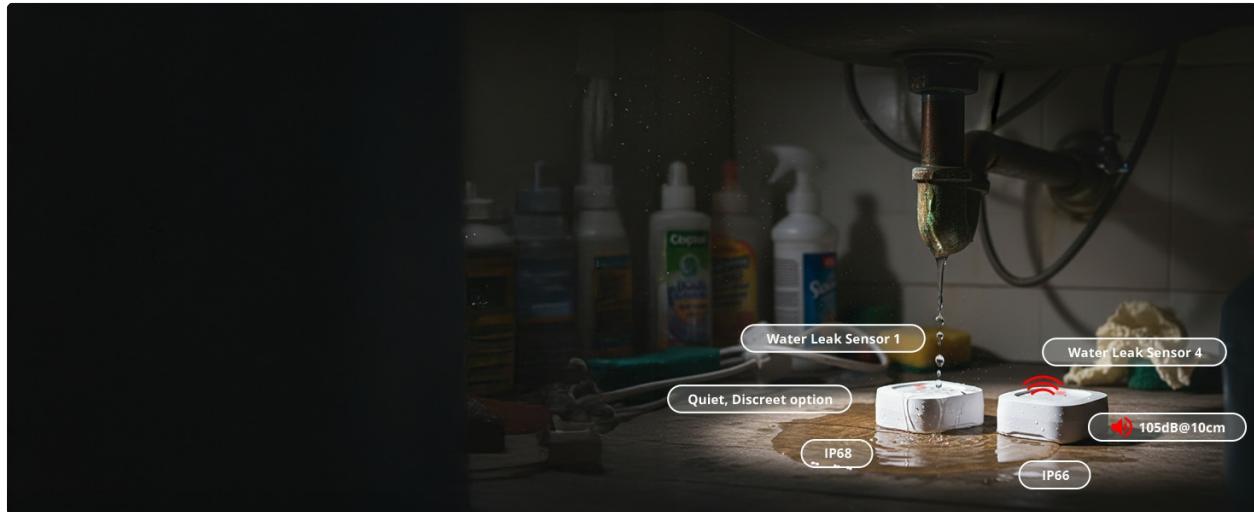


Figure 2: Easy setup process for YoLink devices.

3.4. Initial Testing

After setting up each sensor, it is recommended to perform an initial test:

- Place a small amount of water (e.g., a damp paper towel) on the two metal prongs located on the bottom of the Leak Sensor 4.
- The sensor should emit a 105 dB audible alarm, and you should receive an alert notification on your YoLink App, email, and/or SMS/text message.
- Remove the water to silence the alarm.

Video 1: Overview of building your smart home with YoLink, demonstrating various devices and their integration.

4. OPERATING INSTRUCTIONS

4.1. Sensor Placement

Strategically place your Leak Sensor 4 units in areas prone to water leaks, such as:

- Under sinks (kitchen, bathroom)
- Near water heaters
- Behind toilets
- Near washing machines or dishwashers
- In basements or utility rooms
- Near refrigerators with ice makers

Ensure the metal prongs on the bottom of the sensor are in direct contact with the surface where water might accumulate. The sensor can also detect drips from above if water collects on its top surface.

Protect Kitchens, Basements & More



Figure 3: Recommended placement areas for Leak Sensors.

4.2. Alert System

Upon detecting water, the Leak Sensor 4 will:

- Activate its built-in 105 dB audible siren for immediate local notification.
- Send instant notifications to your YoLink App.
- Send email and/or SMS/text alerts to your registered contacts.

Instant Leak Alerts

– Anytime, Anywhere

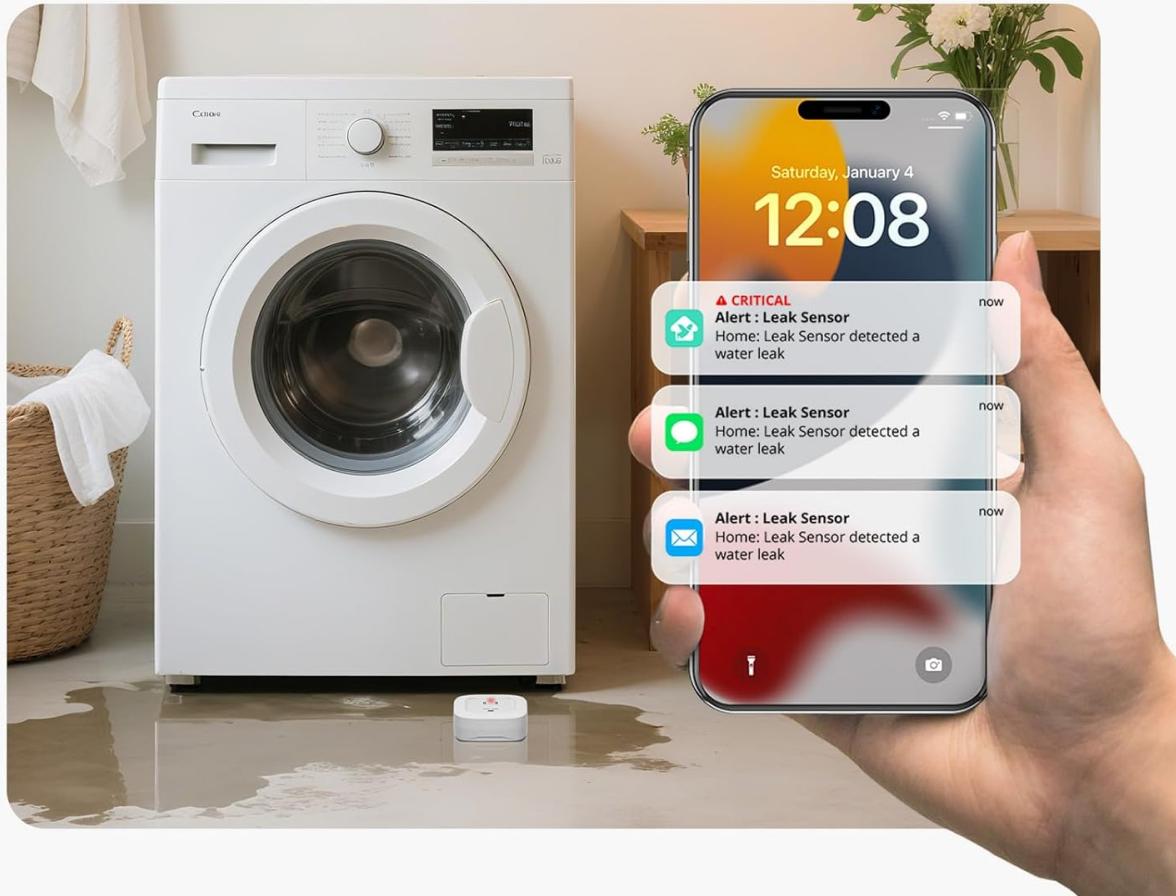


Figure 4: Example of instant leak alerts received on a smartphone.

4.3. LoRa Long-Range Technology

YoLink devices utilize LoRa technology, providing extended communication range (up to 1/4-mile open air) and reliable signal penetration through walls and floors, even in large homes or multi-story buildings. This ensures consistent connectivity where standard Wi-Fi might struggle.

Long-Range Coverage

— Up to 1/4 Mile Range

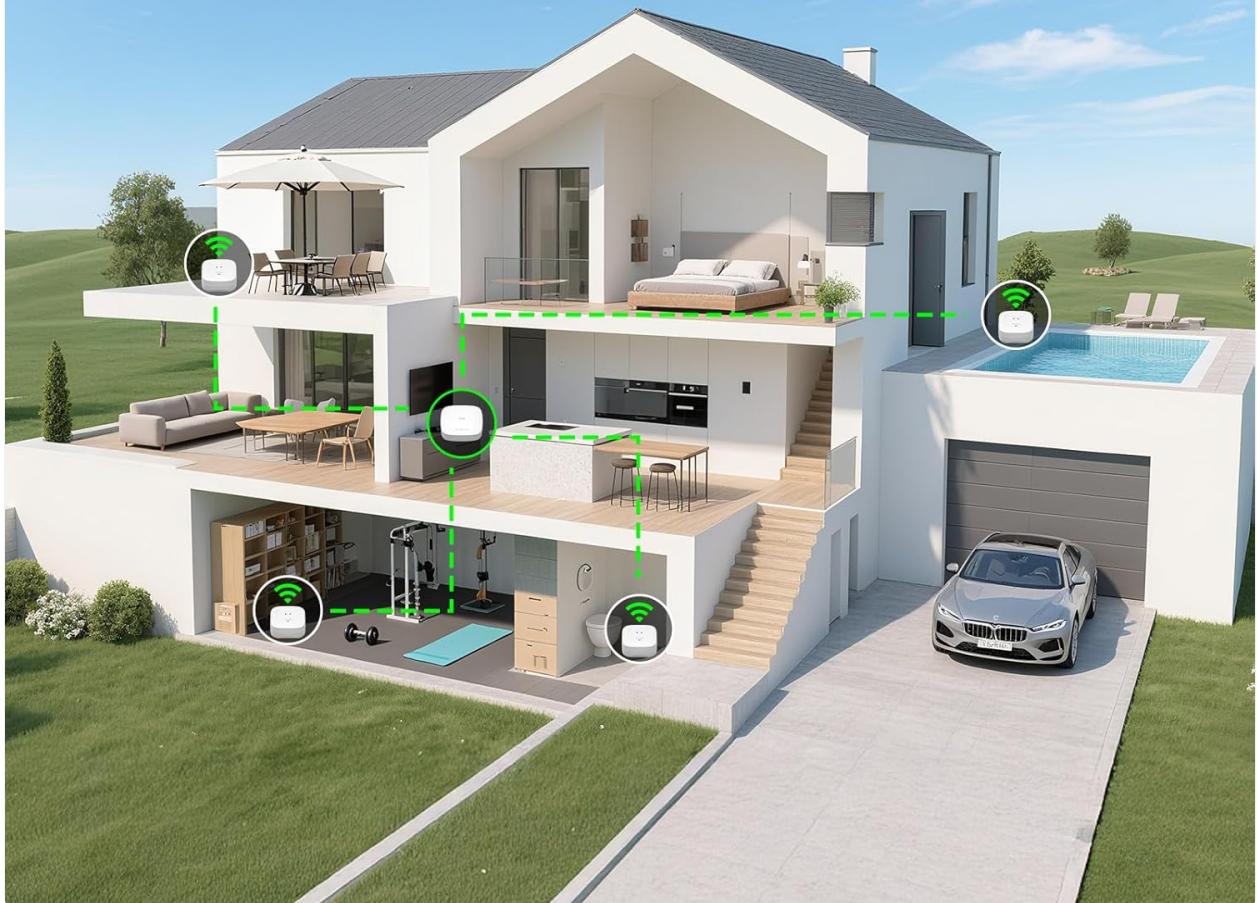


Figure 5: YoLink's long-range coverage in a typical home environment.

4.4. Device-to-Device (D2D) Communication

YoLink's D2D technology allows sensors to communicate directly with other YoLink devices, such as sirens or automatic shut-off valves, even if your internet or power is out. This provides an essential layer of local protection during outages.

D2D: Works Even Without WiFi

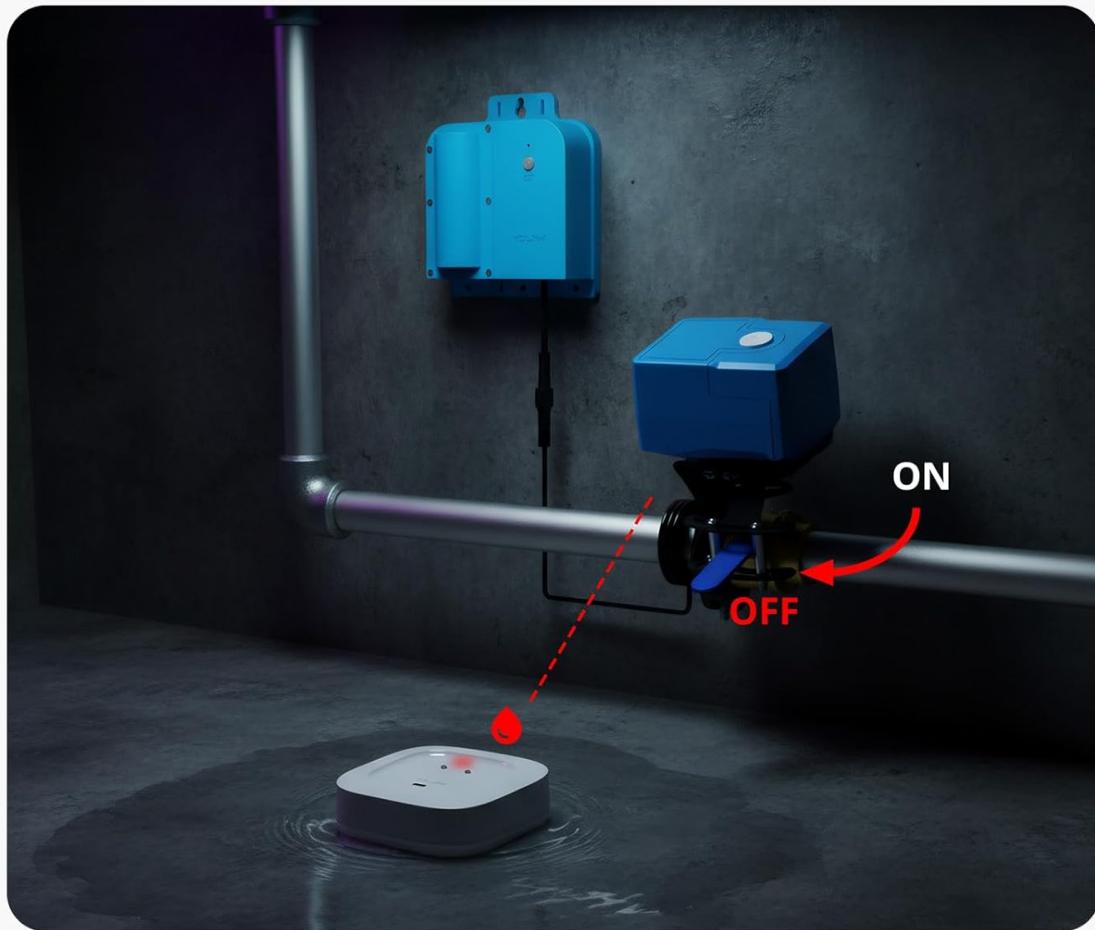


Figure 6: D2D functionality: Leak sensor triggering a shut-off valve.

Video 2: Explanation of YoLink's water leak detection and auto shut-off capabilities, highlighting offline functionality.

4.5. Smart Home Integration

The YoLink system is compatible with popular smart home platforms, including Amazon Alexa, IFTTT, and Home Assistant, allowing for advanced automation and voice control.

Works with Alexa & More



Figure 7: YoLink's compatibility with various smart home platforms.

5. MAINTENANCE

5.1. Battery Replacement

Each Leak Sensor 4 is powered by two (2) AAA alkaline batteries, offering up to 5 years of typical battery life. The YoLink App will display the battery level for each sensor, allowing you to replace them proactively when low.

Up to 5-Year Battery Life



Figure 8: Leak Sensor 4 with its AAA batteries, highlighting the 5-year battery life.

5.2. Sensor Cleaning

Periodically inspect the metal prongs on the bottom of the Leak Sensor 4 for any dirt or debris that might interfere with detection. Clean with a dry cloth if necessary.

6. TROUBLESHOOTING

6.1. No Alerts Received

- **Check Hub Connectivity:** Ensure your YoLink Hub is powered on and connected to the internet (solid blue indicator light).
- **Check Sensor Battery:** Verify the battery level of the sensor in the YoLink App. Replace batteries if low.
- **Check Sensor Placement:** Ensure the sensor's metal prongs are making proper contact with the surface.
- **App Notifications:** Confirm that app notifications are enabled for YoLink in your phone's settings.
- **Email/SMS Settings:** Verify your email and SMS settings within the YoLink App are correct and up-to-date.

6.2. False Alarms

- **Environmental Factors:** High humidity or condensation in certain areas might trigger false alarms. Relocate the sensor if this is a persistent issue.
- **Sensor Contamination:** Clean the metal prongs on the sensor to ensure no residue is causing a false positive.

6.3. Device Not Pairing

- **Hub Online:** Ensure the Hub is online and functioning correctly before attempting to pair sensors.
- **Reset Sensor:** If a sensor fails to pair, try resetting it (refer to the individual sensor manual for specific reset instructions, usually involving pressing the SET button).
- **App Version:** Ensure your YoLink App is updated to the latest version.

7. SPECIFICATIONS

Feature	Specification
Model Number	YS1603+4YS7906
Brand	YoLink
Sensor Technology	LoRa
Maximum Range	1000 Feet (open air)
Noise Level (Siren)	105 Decibels
Sensor Battery Type	2 x AAA Alkaline (per sensor)
Typical Battery Life	Up to 5 years
Control Method	App
Compatible Devices	Smartphone, Alexa, IFTTT, Home Assistant
Product Dimensions	7" L x 5" W x 2.5" H (Kit)
Item Weight	0.317 ounces (Sensor)

8. YOLINK ECOSYSTEM & ADVANCED FEATURES

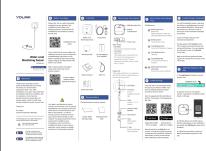
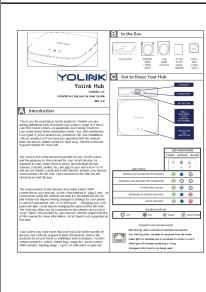
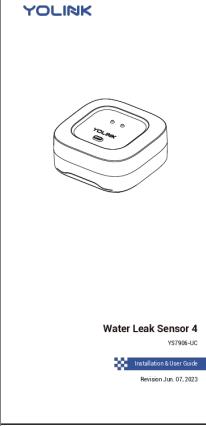
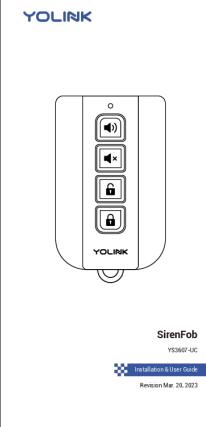
The YoLink Hub supports over 300 YoLink devices, allowing you to expand your smart home system with various sensors (motion, contact, temperature), smart plugs, and controllers. The ecosystem is designed for scalability and robust performance.

Video 3: Overview of YoLink's smart home ecosystem, including motorized valves and various sensors.

9. WARRANTY & SUPPORT

For warranty information and technical support, please refer to the official YoLink website or contact YoLink customer service. Protection plans may also be available for extended coverage.

Related Documents - YS1603+4YS7906

	<p><u>YoLink Water Level Monitoring Sensor Quick Start Guide</u></p> <p>Quick start guide for the YoLink Water Level Monitoring Sensor (YS7904-UC). Learn how to install, set up, and connect the sensor to your YoLink hub and app.</p>
	<p><u>YoLink Hub YS1603-UC Quick Start Guide</u></p> <p>A quick start guide for setting up the YoLink Hub (model YS1603-UC). It provides instructions for downloading the YoLink app, adding the hub, powering it on, and configuring network connections via wired Ethernet or WiFi.</p>
	<p><u>YoLink Hub YS1603-UC Installation Manual & User Guide</u></p> <p>This document provides a comprehensive guide for installing, setting up, and using the YoLink Hub (Model YS1603-UC). It covers connecting the hub via wired or Wi-Fi, integrating it with the YoLink app, managing firmware updates, understanding specifications, and important warnings and warranty information.</p>
	<p><u>YoLink Water Leak Sensor 4 (YS7906-UC) Installation and User Guide</u></p> <p>This comprehensive installation and user guide provides detailed instructions for setting up and using the YoLink Water Leak Sensor 4 (Model YS7906-UC). Learn about device features, app integration, control options, troubleshooting, specifications, and warranty information.</p>
	<p><u>YoLink Power Fail Alarm YS7106-UC/EC Installation & User Guide</u></p> <p>Comprehensive guide for the YoLink Power Fail Alarm (YS7106-UC, YS7106-EC), covering installation, setup, app integration, maintenance, and troubleshooting for smart home power outage monitoring.</p>
	<p><u>YoLink SirenFob YS3607-UC Installation and User Guide</u></p> <p>Comprehensive guide for the YoLink SirenFob (YS3607-UC), covering installation, app setup, device pairing, operation, maintenance, troubleshooting, and warranty information.</p>