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YoLink YS7106

YoLink Smart Power Fail Alarm User Manual

Model: YS7106

1. Introduction

The YoLink Smart Power Fail Alarm is a sophisticated device designed to provide immediate alerts in the event of an AC power outage. Utilizing LoRa long-range wireless technology, it enables remote monitoring of your power status through the YoLink app, ensuring you are informed from anywhere, at any time. This manual provides detailed instructions for the installation, operation, and maintenance of your Power Fail Alarm.

Note: A YoLink Hub (sold separately) is required for full functionality, including app connectivity and remote notifications.

2. Features

- **Remote AC Power Monitoring:** Monitor the power status of connected outlets from anywhere using the YoLink app.
- **Multiple Notification Options:** Receive alerts via smartphone push notifications, email, text messages (SMS), and optional automated calls.
- **Local Audible and Visual Alarm:** Features a 110 dB sounder and four bright LED lights that activate upon power loss. Sound levels are user-selectable (100, 104, 110 dB).
- **LoRa Long-Range Wireless:** Offers exceptional 1/4 mile (1056 feet) open-air range, allowing placement in challenging locations like basements or detached structures.
- **Control-D2D Device-to-Device Pairing:** Directly control other YoLink devices, such as Siren Alarms, without an internet connection.
- **Heartbeat Supervision:** The device sends a regular heartbeat signal to the server via the Hub. If the heartbeat is not sent or the Hub goes offline, a notification is sent within 5 minutes.
- **Flexible Power Options:** USB cable-powered with optional battery operation (two standard AA alkaline batteries, included).
- **No Subscription Required:** Basic app features and notifications are available without a subscription.

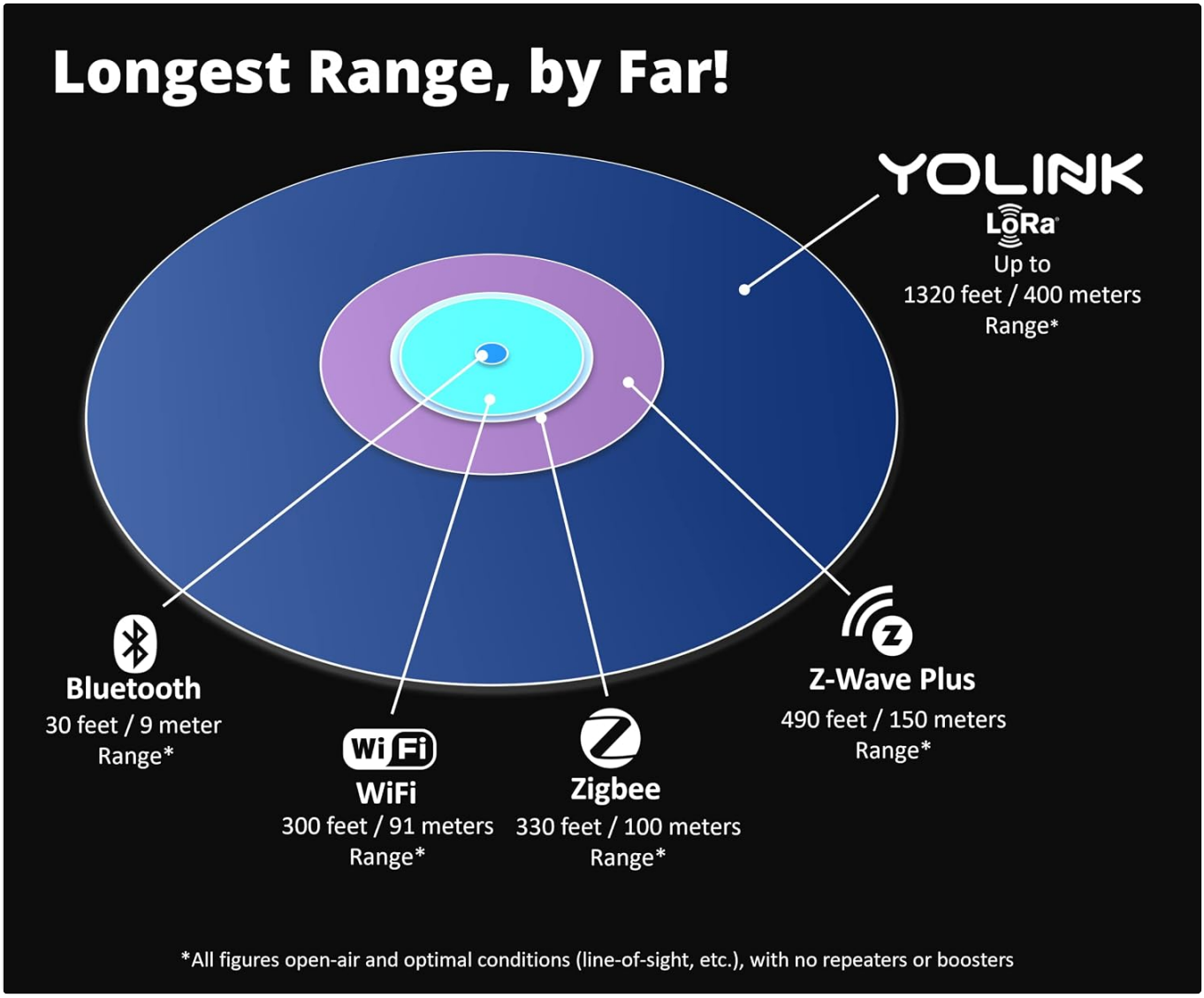

Image: YoLink's LoRa technology provides significantly longer range compared to other wireless protocols.



Image: Various notification methods available through the YoLink system.

3. Package Contents

Verify that all items are present in your package:

- 1 x YoLink Power Fail Alarm (Model YS7106)
- 1 x AC/DC Adapter
- 1 x USB Cable
- 2 x AA Alkaline Batteries (pre-installed or included separately)
- 1 x Quick Start Guide

4. Setup and Installation

Follow these steps to set up your YoLink Smart Power Fail Alarm:

1. **YoLink Hub Requirement:** Ensure you have a YoLink Hub (Original Hub or SpeakerHub) connected to your internet. The Hub is essential for the Power Fail Alarm to communicate with the YoLink cloud and your

smartphone app.

2. **Powering the Hub:** For continuous monitoring during a power outage, it is critical to connect your YoLink Hub and your internet equipment (router/modem) to an Uninterruptible Power Supply (UPS). This ensures the Hub remains online to send alerts when the main power fails.
3. **Download the YoLink App:** Download the free YoLink app from the Apple App Store (for iOS 9 or higher) or Google Play Store (for Android 4.4 or higher) on your smartphone.
4. **Add Device to App:**
    - Open the YoLink app and log in or create an account.
    - Tap the '+' icon (or similar 'Add Device' option) in the app.
    - Scan the QR code located on the back of your Power Fail Alarm or manually enter the device ID.
    - Follow the on-screen prompts to complete the pairing process.
5. **Power the Power Fail Alarm:** Connect the provided USB cable to the Power Fail Alarm and plug the AC/DC adapter into a standard 120VAC outlet that you wish to monitor. The device can also operate on battery power (2 AA batteries, included) for portability, but AC power is recommended for continuous monitoring.
6. **Placement:** Place the Power Fail Alarm in the desired location. It can be placed on a flat surface or wall-mounted using appropriate tools (drill, hammer, screws, wall anchors - not included).

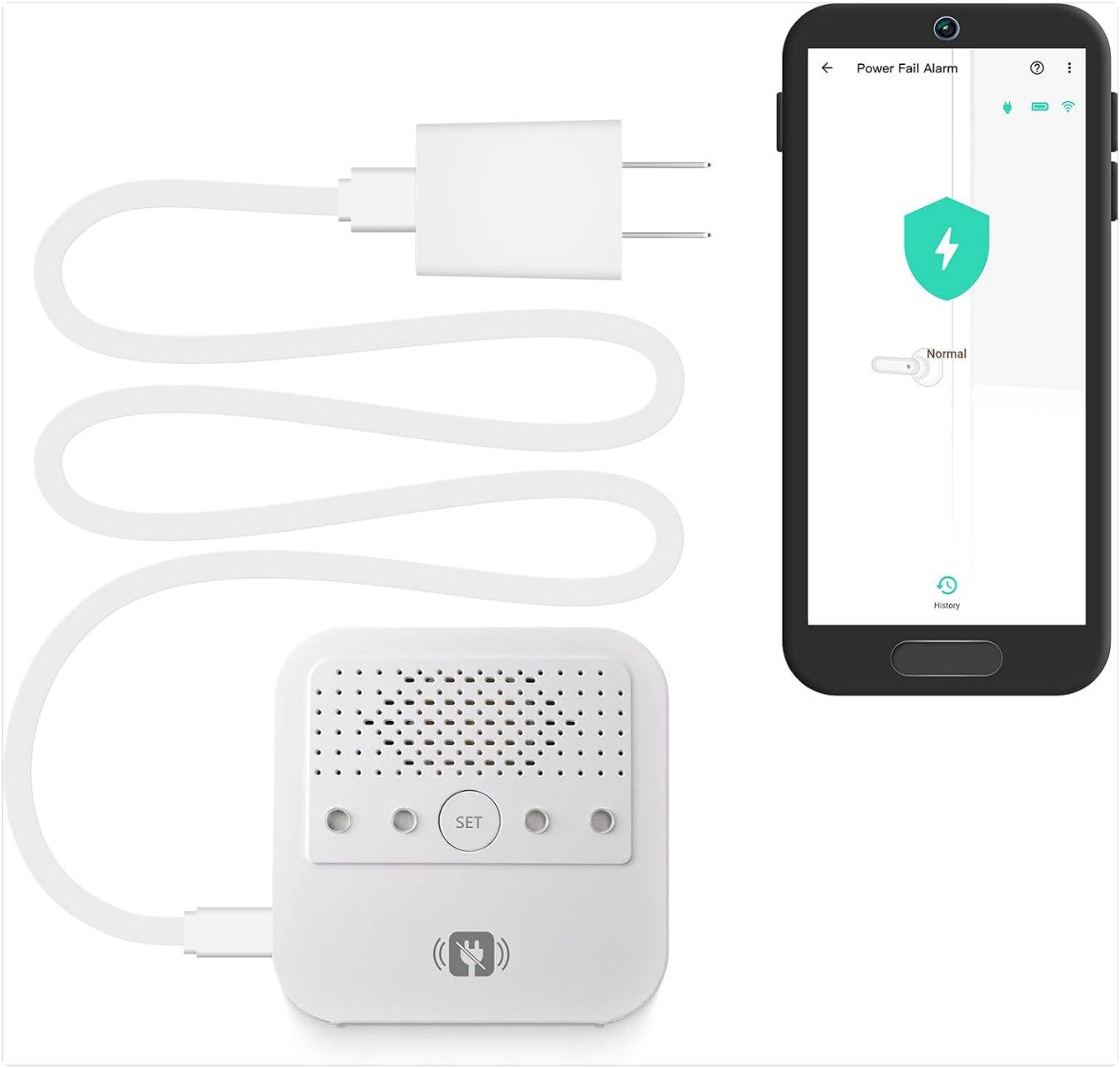

Image: YoLink Power Fail Alarm and its app interface.



Image: The YoLink Hub is central to connecting various YoLink smart devices.

5. Operating Instructions

Once installed and paired, the Power Fail Alarm operates automatically. Here's how to manage and utilize its features:

5.1 Monitoring Power Status

The YoLink app provides real-time status of the Power Fail Alarm. You can view whether the monitored outlet has power or if an outage has occurred.

5.2 Notification Settings

Customize how you receive alerts for power failures and restorations:

- **App Push Notifications:** Enable push notifications in the YoLink app settings to receive instant alerts on your smartphone.
- **Email Alerts:** Configure your email address in the app to receive detailed email notifications.
- **SMS/Text Alerts:** Add your phone number in the app settings to receive text messages. Note that a limited number of free SMS alerts are provided per month; additional packs may be available via subscription.
- **Automated Calls:** This is an optional feature that may require additional setup or subscription.

5.3 Local Alarm Operation

Upon detecting a power failure, the device will activate its local alarm:

- **Audible Alarm:** The 110 dB sounder will activate. You can adjust the sound level (100, 104, or 110 dB) via the

app settings.

- **LED Lights:** Three red alarm LEDs and one multi-color status LED will illuminate to indicate the alarm state.

5.4 Control-D2D Pairing

The Power Fail Alarm supports YoLink's patented Control-D2D technology, allowing it to directly trigger other YoLink devices (e.g., Siren Alarms) even without an internet connection. Refer to the YoLink app or specific device manuals for instructions on setting up D2D pairings.

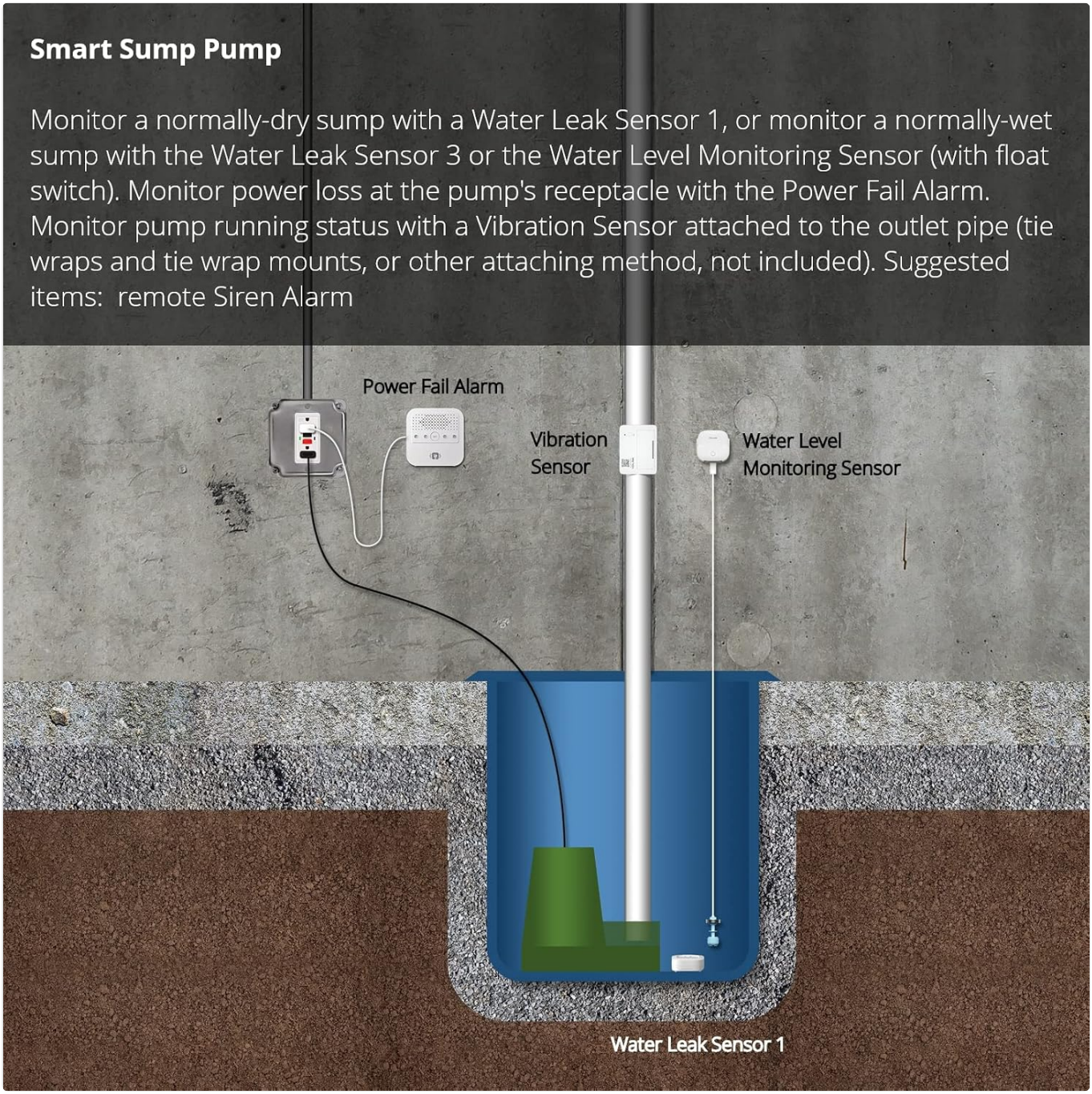

Image: Example application of the Power Fail Alarm in a smart sump pump system.



Image: The Power Fail Alarm can help protect refrigerated items by alerting to power loss.

6. Maintenance

6.1 Battery Replacement

The Power Fail Alarm uses two AA alkaline batteries. While primarily powered by the AC adapter, the batteries provide backup power. The YoLink app will notify you when battery levels are low. To replace batteries:

1. Carefully open the battery compartment on the device.
2. Remove the old batteries.
3. Insert two new AA alkaline batteries, ensuring correct polarity.
4. Close the battery compartment securely.

6.2 Cleaning

Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water. The device is intended for indoor use only.

7. Troubleshooting

- **No Notifications During Power Outage:** Ensure your YoLink Hub and internet equipment (router/modem) are connected to an Uninterruptible Power Supply (UPS). Without a UPS, the Hub and internet will lose power during an outage, preventing alerts from being sent.
- **Device Offline in App:** Check the power connection to the Power Fail Alarm. If using batteries, check battery levels and replace if necessary. Ensure the device is within range of your YoLink Hub.
- **Alarm Not Sounding:** Verify the device is receiving power. Check the sound level settings in the YoLink app. Ensure the device is not in a 'mute' or 'silent' mode if such an option exists in the app.
- **Difficulty Pairing:** Ensure your YoLink Hub is online and functioning correctly. Try moving the Power Fail Alarm closer to the Hub during the pairing process. Reset the Power Fail Alarm if necessary (refer to Quick Start Guide for reset procedure).
- **Hub Offline Notification:** If your Hub goes offline (e.g., due to internet loss or power failure without UPS), the system is designed to send a notification within 5 minutes, indicating a potential issue with your smart home network.



Image: YoLink's Heartbeat technology ensures reliable monitoring and alerts if the device or Hub goes offline.

8. Specifications

Attribute	Specification
Brand	YoLink
Model Number	YS7106
Dimensions (L x W x H)	3.15 x 1.97 x 1.1 inches (80.01 x 50.04 x 27.94 mm)
Item Weight	7.2 ounces (204 g)
Color	White
Power Source	Corded Electric (AC/DC Adapter) & 2 x AA Batteries
Battery Cell Composition	Alkaline
Connectivity Technology	Wireless (LoRa)
Maximum Range	1056 Feet (1/4 mile open-air)
Alert Type	Power Failure
Noise Level	110 dB (adjustable)
Control Method	App, Touch (SET button)
Installation Type	Self-Adhesive (or wall-mounted)
Operating Temperature Range	32°F – 122°F (0°C – 50°C)
Operating Humidity Range	0 – 95% non-condensing

9. Warranty and Support

YoLink products are designed for reliability and ease of use. Your YoLink Smart Power Fail Alarm is backed by a

manufacturer's warranty for 2 years from the date of purchase.
For technical assistance, troubleshooting, or warranty claims, please contact YoLink customer support. YoLink provides U.S.-based product support to assist you with any inquiries.
Additional resources, including the full User Guide, can be found online:

- User Guide (PDF): https://manuals.plus/m/f791ff718820ad35f689768e18a496c25b9ac7f3bca023b09e5e51731bddee4c

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