

YoLink YS-7104-CA

YoLink Outdoor Security Siren & Smart Alarm Controller Kit

MODEL YS-7104-CA INSTRUCTION MANUAL

1. Introduction

The YoLink Outdoor Security Siren & Smart Alarm Controller Kit provides a robust, wireless, and battery-powered solution for enhancing your property's security. This kit features a loud 110 dB siren and a smart alarm controller, designed for easy integration into your smart home ecosystem. Utilizing LoRa-based wireless technology, it offers an extended range and reliable performance, even in challenging environments.

Key Features:

- Wireless operation with no external wiring required.
- Loud 110 dB warble tone for effective deterrence.
- Battery-powered controller and siren (requires 4 AA batteries, not included).
- Extended wireless range of up to 1/4 mile in open air.
- Device-to-Device (D2D) pairing for offline functionality, ensuring operation even without Wi-Fi or internet.
- Control via Android/iOS app, Alexa, Google Assistant, and IFTTT.
- Compatible with a growing family of YoLink smart products.

2. Product Overview & Package Contents

The YoLink Outdoor Security Siren & Smart Alarm Controller Kit includes the following components:

- Outdoor Alarm Controller (Model YS-7104-UC)
- 12VDC Siren/Device Control Cable
- Quick Start User Guide

Note: 4 AA batteries are required and not included. A YoLink Hub is required for full functionality and app control.



Figure 1: YoLink Outdoor Security Siren and Smart Alarm Controller Kit. This image displays the main components of the kit: the black rectangular alarm controller and the black horn-shaped siren connected by a cable.



Outdoor Alarm Controller 1

MODEL YS7104

- Indoor/Outdoor Siren & Controller Kit
- Warble tone, 110 decibels
- Wireless; no external wiring required
- Pair directly to other devices for automatic response
- Control from a YoLink smart fob
- Control via 3rd-party automation: Alexa, Google, IFTTT, Home Assistant
- Control by voice: Alexa, Google Assistant
- Manual control (press SET button)
- Up to ¼ mile open-air wireless range
- A YoLink hub is required for full functionality



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Figure 2: Detailed overview of the YoLink Outdoor Alarm Controller 1 (Model YS7104), highlighting its features such as indoor/outdoor use, 110 dB warble tone, wireless operation, direct device pairing, control via smart fob, third-party automation (Alexa, Google, IFTTT, Home Assistant), voice control, manual control, 1/4 mile open-air wireless range, and the requirement of a YoLink hub for full functionality. The image shows the controller and siren unit.

3. Setup & Installation

To begin using your YoLink Outdoor Security Siren & Smart Alarm Controller Kit, follow these steps:

1. **YoLink Hub Requirement:** A YoLink Hub (sold separately) is essential for full functionality, including app control, battery level checks, and integration with other smart home platforms. Ensure your hub is set up and connected to your network.
2. **App Download & Account Setup:** Download the YoLink app from your device's app store (available for Android and iOS). Create a new account or log in to your existing account.
3. **Insert Batteries:** Open the battery compartment of the Outdoor Alarm Controller and insert four (4) AA alkaline or lithium batteries (not included).
4. **Connect Siren:** Connect the 12VDC Siren/Device Control Cable from the siren to the Outdoor Alarm Controller.
5. **Pairing the Controller:**
 - In the YoLink app, tap the '+' icon to add a new device.
 - Scan the QR code located on the back of the Outdoor Alarm Controller.
 - Follow the on-screen prompts to complete the pairing process. The controller's LED will indicate successful pairing.
6. **Physical Installation:** Mount the Outdoor Alarm Controller and siren in your desired outdoor location. The unit is weather-proof. Ensure the siren is positioned for optimal sound projection.



that was easy!

YoLink products are designed to be easy to install, set-up, and use

Figure 3: Illustration of the easy setup process for YoLink devices, emphasizing the simplicity of scanning a QR code with the YoLink app to add new devices to your smart home system.

4. Operation

The YoLink Outdoor Security Siren offers multiple control methods:

- **Manual Control:** Press the 'SET' button on the Outdoor Alarm Controller to manually activate or

deactivate the siren.

- **App Control:** Use the YoLink app to remotely arm/disarm the siren, check its status, and adjust settings.
- **Voice Control:** Integrate with Amazon Alexa or Google Assistant for convenient voice commands. For example, say "Alexa, turn on outdoor siren."
- **Device-to-Device (D2D) Pairing:** YoLink's patented D2D pairing allows the siren to operate automatically in response to other YoLink sensors (e.g., motion, door/window sensors) even if Wi-Fi, internet, or AC power is unavailable. This creates a robust, fail-safe local automation.



Figure 4: An image showing the YoLink Outdoor Alarm Controller and siren, with a speech bubble indicating an Alexa voice command: "Alexa, turn on outdoor siren." This illustrates the voice control capability of the system.

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Video 1: This video demonstrates YoLink Control - Device-to-Device Pairing. It explains how YoLink devices can communicate and trigger actions directly, without relying on internet or Wi-Fi, ensuring critical functions remain operational during outages.

This is a key feature for reliable alarm systems.

fail safe

No WiFi, No Internet, No Power, No Problem!



YoLink's unique Control-D2D device-to-device pairing allows you to pair one sensor to up to 128 other sensors. Once paired, they will operate when required, even if the internet is down and the power is out!

Figure 5: An infographic illustrating YoLink's "fail safe" feature with D2D (Device-to-Device) pairing. It shows that devices will continue to operate even without Wi-Fi, internet, or power, making the system highly reliable for critical applications.

5. Applications

The YoLink Outdoor Security Siren & Smart Alarm Controller Kit can be integrated with various YoLink sensors to create comprehensive security and monitoring solutions:

- **Perimeter Security:** Pair with YoLink Outdoor Motion Sensors or Door/Window Sensors to create an alert system for your property's perimeter.
- **Vehicle Security:** Combine with a YoLink Vibration Sensor to detect unauthorized access or tampering with your vehicle. The battery-powered siren can be placed inside or near the vehicle.
- **Shed/Barn Security:** Secure outbuildings without power by installing the battery-powered siren and pairing it with a Door/Window Sensor.
- **Sump Pump Monitoring:** Use with a Water Leak Sensor to detect water accumulation in a sump pump pit, triggering the siren for immediate alerts.
- **Mouse Trap Alert:** Affix a Vibration Sensor to a mouse trap to receive notifications and trigger the siren when the trap is activated.
- **Baby Room Monitoring:** Integrate with a Vibration Sensor to detect movement in a baby's crib, providing alerts for parents.

Figure 6: An aerial view diagram of a house and surrounding property, illustrating various YoLink security applications. It shows the Outdoor Alarm Controller, Outdoor Motion Sensors, Shed Door Contact Sensor, Smart Locks, Door/Window Sensors, Garage Door Sensors, and Driveway Alert Motion Sensor, all working together to protect the perimeter.

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Video 2: This video demonstrates how to create a smart sump pump system using YoLink devices. It shows how to use water leak sensors and a valve robot to automatically detect leaks and shut off water, protecting your home from flooding.

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Video 3: This video illustrates how the YoLink Vibration Sensor can be used for baby room monitoring, allowing parents to

