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YoLink YS1603

YoLink Hub (Model YS1603) Instruction Manual

Brand: YoLink | Model: YS1603

1. INTRODUCTION

The YoLink Hub (Model YS1603) serves as the central controller for all your YoLink smart home devices. Utilizing LoRa technology, it provides an ultra-long-range wireless network, enabling communication with devices up to 1/4 mile away in open air. This hub is essential for integrating various YoLink sensors and actuators into a cohesive smart home automation and security system.

The YoLink Hub offers robust connectivity options, including both Ethernet and 2.4 GHz WiFi, ensuring reliable communication. Its patented Device-to-Device (D2D) pairing feature allows critical devices to maintain functionality even during internet or power outages, providing an enhanced layer of reliability for your home security and monitoring needs.

2. PRODUCT FEATURES & COMPONENTS

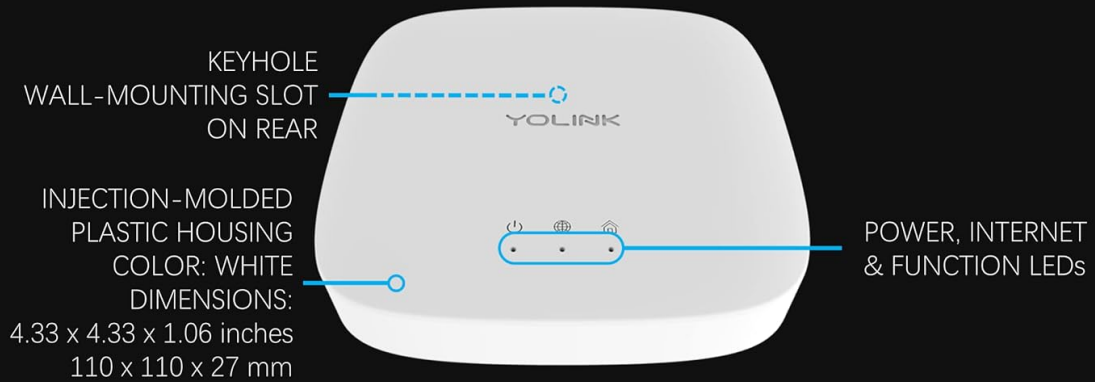
2.1. YoLink Hub Overview

The YoLink Hub is a compact, white, injection-molded plastic device designed for discreet placement. It features LED indicators for power, internet, and function status, along with essential ports for connectivity.

YOLINK HUB

Internet Gateway for YoLink Devices

YOLINK

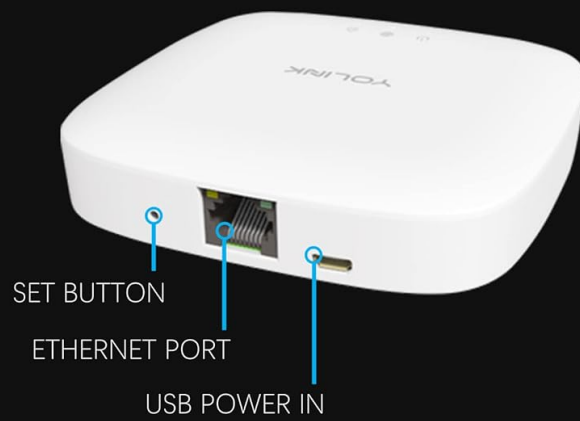


Related Products:

SpeakerHub (Audio, Talking Hub)

Additional Specs & Features:

Power: USB Micro-C
(120V Plug-In Power Supply Included)
Frequency: 923.3 MHz
Fully-Encrypted
Supports 300+ Devices
¼ Mile Range, Open-Air
Ethernet and/or WiFi Internet Connection
2.4 GHz WiFi Only



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Figure 1: YoLink Hub with labeled components and dimensions (4.33 x 4.33 x 1.06 inches).

- **Dimensions:** 4.33 x 4.33 x 1.06 inches (110 x 110 x 27 mm)
- **Color:** White
- **Power:** USB Micro-C (5V)
- **Frequency:** 923.3 MHz (LoRa)
- **Range:** Up to 1/4 mile (open-air)
- **Device Support:** Supports 300+ devices
- **Internet Connection:** Ethernet and/or WiFi (2.4 GHz only)
- **Encryption:** Fully-Encrypted

2.2. Included Components

- YoLink Hub (Model YS1603)
- USB Micro-C Cable
- 120V Plug-In Power Supply
- Ethernet Cable
- Quick Start Guide

2.3. Connectivity Hub



Figure 2: Top view of YoLink Hub showing LED indicators.



Figure 3: Rear view of YoLink Hub showing ports and SET button.

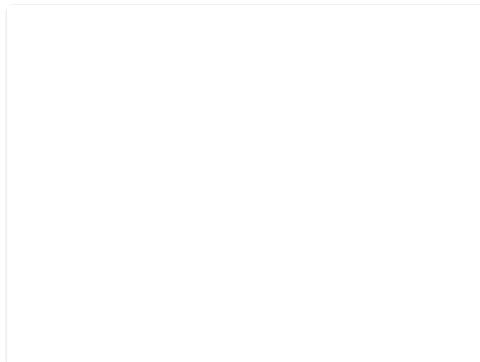


Figure 4: YoLink Hub connected to power and Ethernet.

3. SETUP

Setting up your YoLink Hub and devices is a straightforward process. Follow these steps to get your smart home system operational.

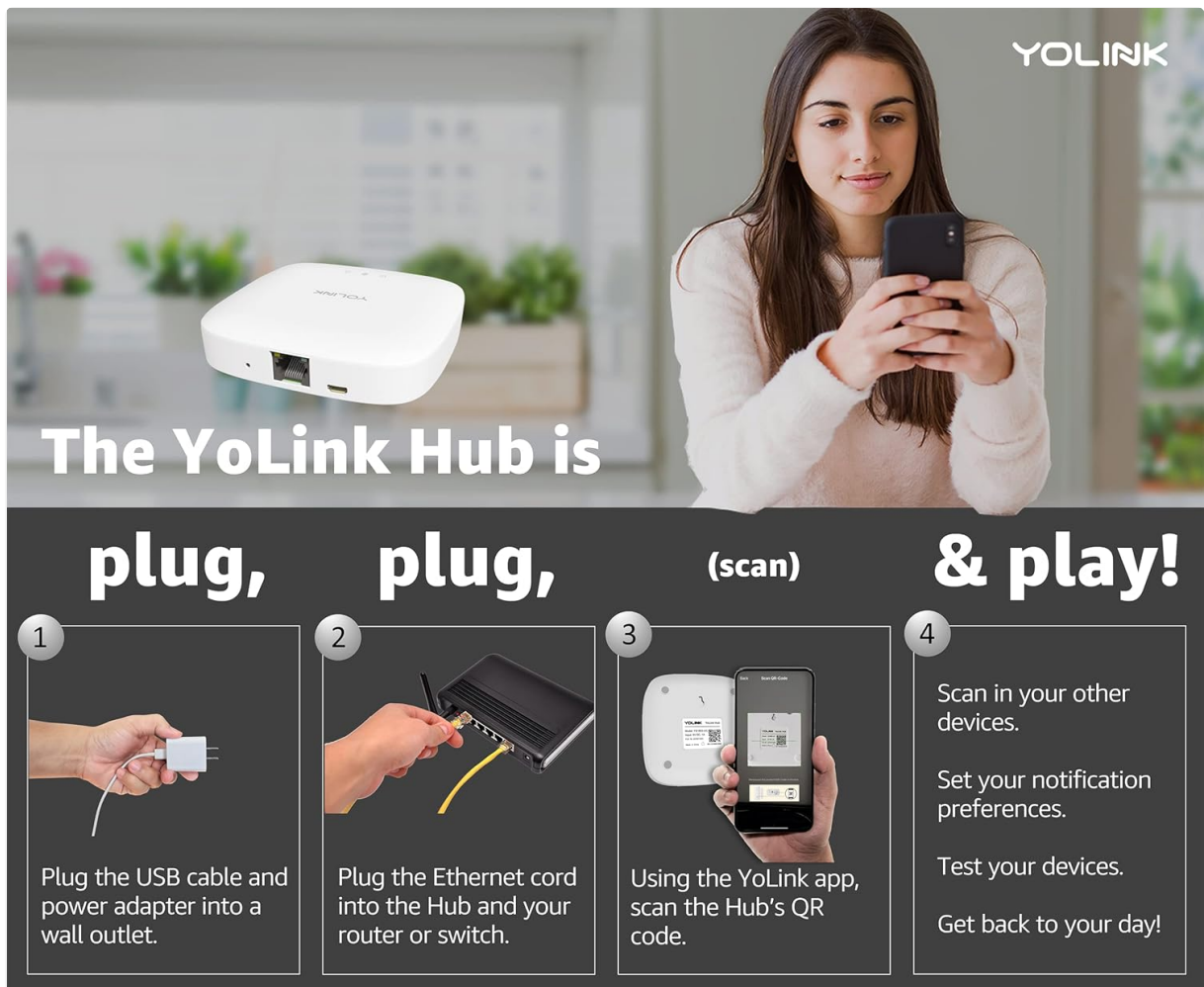


Figure 5: Visual guide for YoLink Hub quick setup.

1. **Power On:** Plug the USB cable and power adapter into a wall outlet and connect to the YoLink Hub. The PWR LED will illuminate.
2. **Network Connection:**
 - **Ethernet:** Plug the Ethernet cord into the Hub and your router or switch. The Internet LED will illuminate.
 - **WiFi:** If using WiFi, ensure your router supports 2.4 GHz. Follow the in-app instructions to connect the Hub to your WiFi network. The WiFi LED will illuminate.
3. **App Installation & Device Pairing:**
 - Download the YoLink app from your smartphone's app store.
 - Open the app and create an account or log in.
 - Scan the QR code located on the bottom of the YoLink Hub using the app's QR scanner feature to add the Hub to your account.
 - To add other YoLink devices, scan their individual QR codes using the app and follow the pairing instructions. For most devices, you will need to press the 'SET' button on the device to wake it up for pairing.
4. **Initial Configuration:**
 - Set your notification preferences within the app.
 - Test your newly added devices to ensure they are communicating correctly with the Hub and the app.

4. OPERATING THE YO LINK HUB

4.1. LED Indicators

- **PWR (Power):** Indicates the power status of the Hub.
- **Internet/WiFi:** Indicates the internet/WiFi connectivity status.
- **FEAT (Feature):** Indicates the status of specific features or device activity.

4.2. YoLink App Functionality

The YoLink app provides comprehensive control and monitoring of your smart home system:

- **Device Monitoring:** View the status of all connected YoLink devices.
- **Rooms:** Organize your devices into virtual rooms for easy management.
- **Alarm Strategies:** Configure custom actions and notifications for various events (e.g., water leak, motion detection).
- **Third-Party Integrations:** Connect with popular platforms like Amazon Alexa, Google Assistant, and IFTTT for expanded control and automation possibilities.

4.3. Device-to-Device (D2D) Pairing (Fail-Safe)

YoLink's patented D2D pairing allows two or more devices to communicate directly with each other, even if your internet or power is down. This ensures critical functions, like a water leak sensor activating a siren, remain operational.



Figure 6: YoLink D2D pairing ensures functionality even without internet or power.

To Pair Devices (D2D):

1. On the first device (e.g., Water Leak Sensor), press and hold the 'SET' button for 5-10 seconds until the green LED flashes.
2. On the second device (e.g., Siren Alarm), press and hold its 'SET' button for 5-10 seconds until its green LED flashes.
3. The devices will automatically pair, and their LEDs will stop flashing.

To Unpair Devices (D2D):

1. On the first device, press and hold the 'SET' button for 10 seconds until the red LED flashes.
2. On the second device, press and hold its 'SET' button for 10 seconds until its red LED flashes.
3. Wait until both devices' lights go out, indicating they are unpaired.

4.4. Notification Options

YoLink offers multiple ways to receive alerts and notifications:

Be notified of off-normal conditions,
with one or more of these options:



Phone
Push

**Receive a standard phone
push notification**
(per your tone/vibrate settings)



Critical
Push

“Critical Alert” phone push
activates even if phone is in “focus”,
silent, DND mode. Standard iOS
option, Android settings vary by
phone manufacturer



Email

Receive an Email



SMS

Receive a text message
Limited free SMS per month:
Number of devices times 5 plus 5.
Expandable by optional subscription:
200 for 2, 500 for 5 dollars per month.



Device
Action

**Activate a siren, turn on a
light, plug or relay, etc.**



Spoken
Alerts

Broadcast spoken messages
and alert tones via one or more
SpeakerHubs



Integrations

**Use Alexa, Google Home, IFTTT,
Home Assistant and other 3rd-
party integrations**



Power Fail
Internet
Outage

Be notified within 30 minutes
if your hub goes offline (by email, SMS,
push notification, etc.).

know now!

Figure 7: Various notification methods available through YoLink.

- **Phone Push Notification:** Standard push notifications based on your phone's tone/vibrate settings.
- **Critical Alert Phone Push:** Activates even if your phone is in