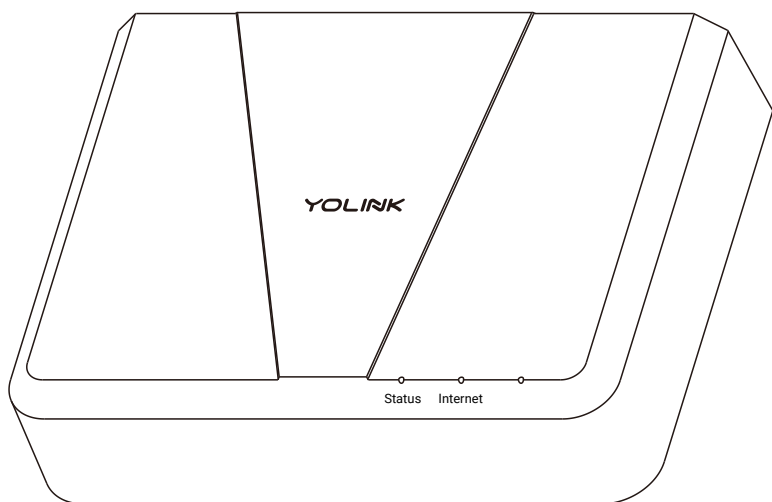




Local Hub

YS1606-UC



Installation & User Guide

Revision Jun. 03, 2026

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Welcome!

Thank you for purchasing YoLink products! We appreciate you trusting YoLink for your smart home & automation needs. Your 100% satisfaction is our goal. If you experience any problems with your installation, with our products or if you have any questions that this manual does not answer, please contact us right away. See the Contact Us section for more info.

Thank you!

YoLink Customer Support

User Guide Conventions

The following icons are used in this guide to convey specific types of information:



Very important information
(can save you time!)



Good to know info but may not
apply to you

B Before You Begin

Visit our Smart Local Hub support page on our website, for the latest installation guides, additional resources, information and videos by visiting:

<https://www.yosmart.com/support/YS1606-UC>

Or by scanning the QR code:



Download the most current version of the user guide by scanning the QR code:



B Before You Begin, Continued

The YoLink Local Hub is a versatile gateway designed to enhance the connectivity and functionality of YoLink devices. Unlike standard hubs, the Local Hub supports both cloud-based and localized automation, making it a unique solution for specialized use cases.

The YoLink Local Hub bridges YoLink devices and the internet through multiple connectivity options: Ethernet, 2.4GHz WiFi and 5GHz WiFi. Additionally, the hub includes a backup battery (Li-Ion Rechargeable Battery, Model 18650, 2550mAh, 3.6V), ensuring continuous operation for up to 3.5 hours during power outages. Automatic battery maintenance discharges the battery for two hours every 30 days to optimize its lifespan.

B Before You Begin, Continued

Features and Limitations

Features:

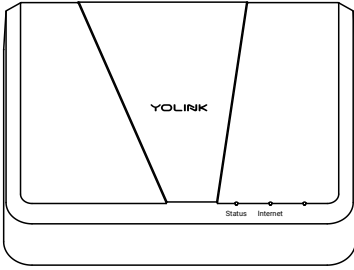
1. **Local Automation:** Supports local automation rules that work without needing cloud connectivity.
2. **Sunset/Sunrise and Scheduling:** Allows you to set advanced scheduling options, like triggering actions based on sunrise and sunset times.
3. **Local Integrations:** Supports Local API and Matter for managing local events and commands within the local network.
4. **Automatic Network Synchronization:** Automatically syncs subnet information to ensure smooth and uninterrupted operation.
5. **Multiple Connectivity Options:** Offers flexibility with Ethernet and dual-band WiFi.

Limitations:

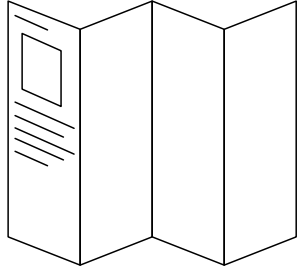
1. **Local Network Restriction:** Devices within the Local Area Network (LAN) will only communicate with the Local Hub in that network.
2. **Offline Limitations:** Apps, alarm strategies, scenes, and automation rules (created through the YoLink app's Smart Automation page) cannot work without an internet connection.



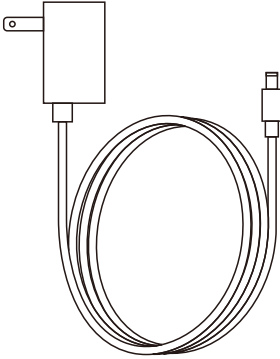
In the Box



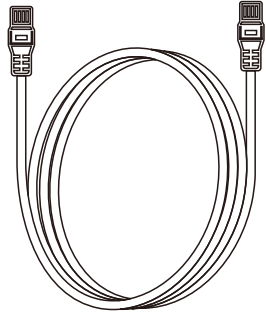
Local Hub



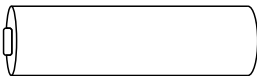
Quick Start Guide



AC Power Supply Adapter
(5V/2A)



Ethernet Cable ("Patch Cord")

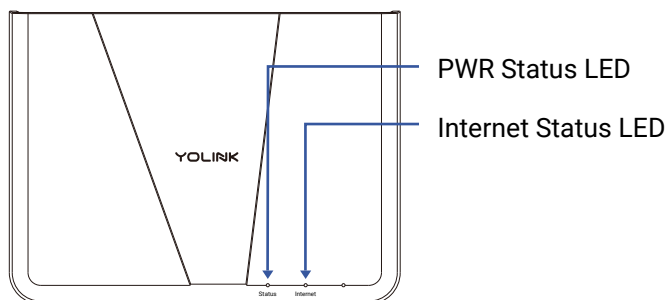


Li-On rechargeable Battery,
Model 18650, 2550mAh, 3.6V



Get to Know Your Smart Local Hub

Please take a moment to familiarize yourself with your new Local Hub.



LED Behaviors:



Green PWR LED Flashing Quickly
Device Startup



Green PWR LED On Solid
Power On



Red PWR LED Flashing Slowly
Device Updating



Red PWR LED Flashing Quickly
Restoring To Factory Defaults



Red PWR LED On Solid
Device Error



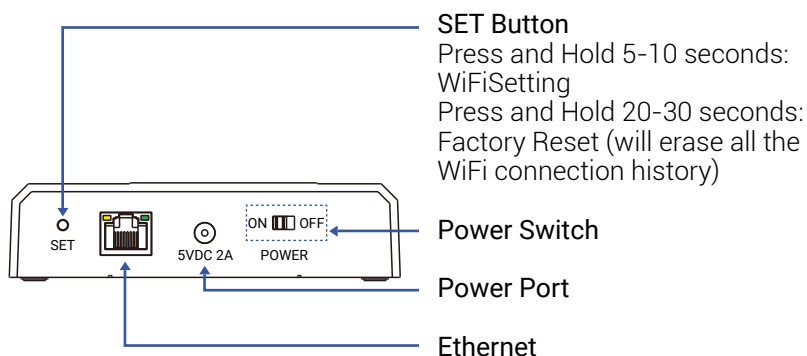
Blue Internet LED On Solid
Connected To Internet



Blue Internet LED Flashing Slowly
Wifi Hotspot Mode

D

Get to Know Your Smart Local Hub, Continued



Ethernet Jack LED Behaviors (Disregard LEDs If Port Is Not Being Used):



Fast Blinking Yellow
Normal Data
Transmission



Slow Blinking Yellow
No Response From The
Router



Green Light On
Port Is Connected To
Router Or Switch



Either Light Off
Something Is Wrong



Install the App

If you are new to YoLink, please install the app on your phone or tablet, if you have not already. Otherwise, please proceed to the next section.

Scan the appropriate QR code below or find the “YoLink app” on the appropriate app store.



Apple phone/tablet
iOS 9.0 or higher



Android phone/tablet
6.0 or higher

Open the app and tap **Sign up for an account**. You will be required to provide a username and a password. Follow the instructions, to set up a new account. Allow notifications, when prompted.

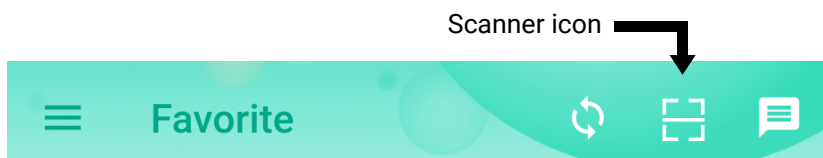
You will immediately receive a welcome email from no-reply@yosmart.com with some helpful information. Please mark the yosmart.com domain as safe, to ensure you receive important messages in the future.

Log in to the app using your new username and password.

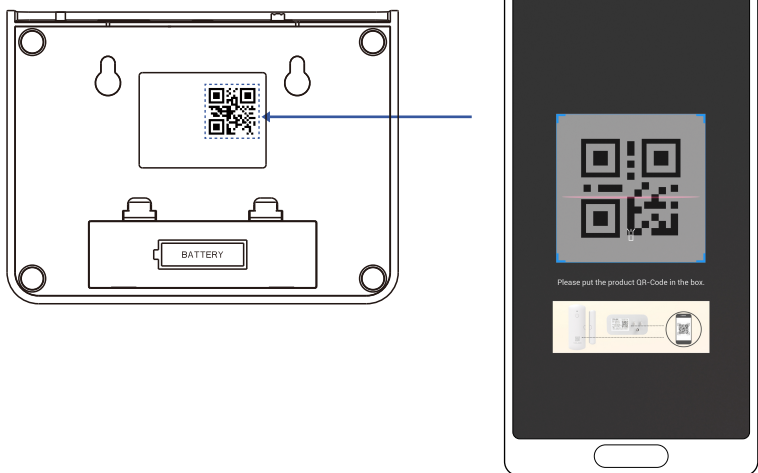
The app opens to the **Favorite** screen. This is where your favorite devices and scenes will be shown. You can organize your devices by room, in the **Rooms** screen, later.

F Add Your Hub to the App

1. Tap **Add Device** (if shown) or tap the scanner icon:



2. Approve access to your phone's camera, if requested. A viewfinder will be shown on the app.



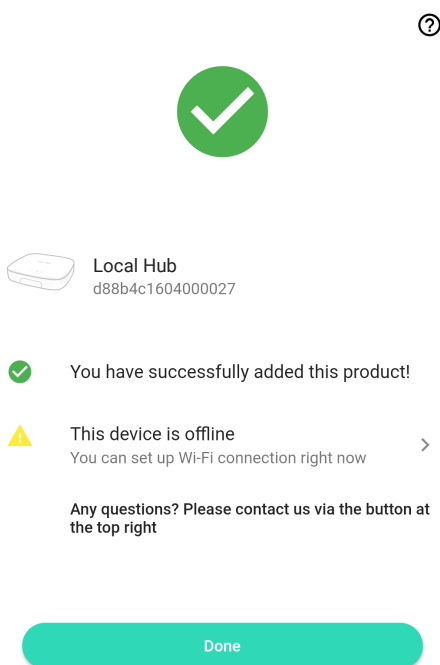
3. Hold the phone over the QR code so that the code appears in the viewfinder. If successful, the **Add Device** screen will be displayed.

F

Add Your Hub to the App, Continued

4. You can change the device name and assign it to a room later. Tap **Bind device**.

5. If successful, the screen will appear as shown. Tap **Done**.



If you experience difficulties scanning in a new device, ensure the code is not dirty or smudged, and that the camera has adequate lighting. If you are still unable to scan a device, please make a note of the serial number for our customer support staff. This is the number right below the QR code, a long number preceded by "S/N"



Installation Considerations

The Local Hub requires a stable AC power supply for optimal performance.

For reliable device coverage, consider the placement of the hub relative to your devices and potential RF interference sources.

The hub should be installed indoors in a clean, dry location away from heat sources and direct sunlight.



Important Note for Local Hub Power Cycling:

When repowering the Local Hub (turning it off and back on):

1. Disconnect the power, then wait 5-10 seconds before reconnecting it.
2. This ensures the Hub completely discharges residual power from its internal components.
3. Do not reconnect power immediately – doing so may cause operational issues.



Local Network

Local Hub Features for Managing Your Local Network.

What is a Local Network?

A local network is a smaller section of the YoLink Cloud. Each local network is controlled by a "primary controller," which, at this time, is the Local Hub. You can set up multiple local networks, but each network can only have one primary controller.

Communication Between Networks:

Local networks can't directly communicate with each other. Instead, they exchange data through the YoLink Cloud.

Local Automation:

You can set up automation rules within a local network, but these rules will only work with devices in the same local network.

Switching Networks:

Devices can switch between the YoLink Cloud and local networks, but you need to press the SET/POWER button on the device to connect to the Cloud or local network.



Local Network, Continued

Local Network Set Up

1. Open the YoLink App, tap the local hub icon to access the local hub device page, and then tap "Local Network" at the bottom of the page.

2. If you haven't set up a local network yet, tap "Create Local Network" to create one.

If you have already set up a local network, the network management page will appear. This page contains four tabs:

General Tab: You can delete the local network here. Before deleting the network, you must first remove any devices associated with it.

Devices Tab: This tab allows you to add or remove devices from your local network.

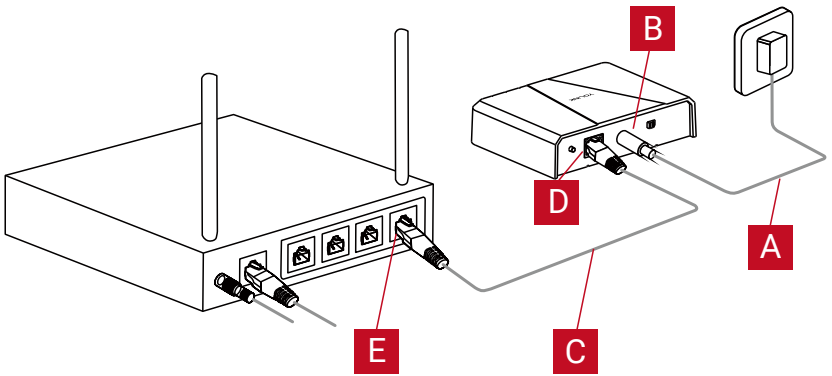
Automation Tab: You can create and delete local automations in this tab.

Integration Tab: This tab supports local network integration. Currently, only API integration and Matter integration are supported. For detailed integration guides, please visit:

<http://doc.yosmart.com/docs/overall/intro/>



Connections & Power-Up



1. As shown, power up the Hub by connecting the adapter cable (A) to the power jack (B) on the Hub, and plug it into an outlet.

2. Turn the power switch to ON, the green status indicator should flash a few seconds:



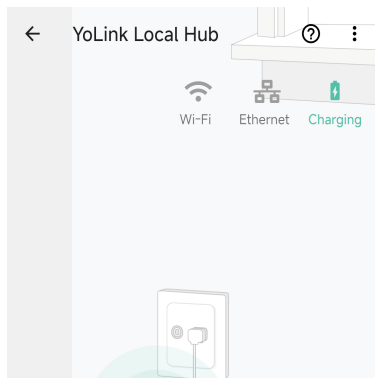
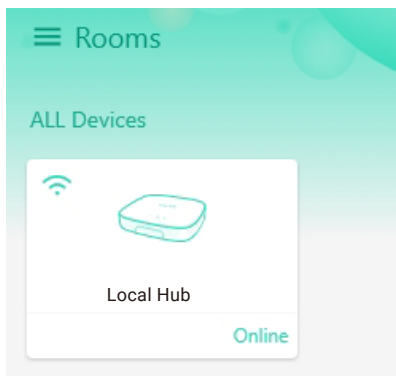
3. It is recommended that you connect your Hub to the network/internet even if WiFi-Only is your intended format. Using the supplied Ethernet patch cord (C), connect one end (D) to the Hub, and the other end (E) to an open port on your router or switch. The blue Internet indicator should turn on:





Connections & Power-Up, Continued

4. In the app, the Hub is now shown to be Online, with the Ethernet icon green as shown:



5. If you plan to connect your Hub to the internet via the Ethernet cable, only, and your Hub is online, proceed to the part M, to complete the setup of your Hub.



If your Hub is **NOT** Online after this step, please double-check your cable connections. Check LED indicators on the Ethernet jack on your Hub (refer to section E). There should be similar LED activity on your router or switch (refer to your router/switch documentation)



WiFi Considerations

Your Hub connects to the cloud via an Ethernet, or WiFi network. If an Ethernet connection is available, we recommend using it, and this is the “Plug, Plug & Play” method that will result in the easiest and fastest setup of your Hub. There are additional considerations, specific to using a WiFi connection with your Hub:

- Changes to your internet provider, internet equipment may require updating the WiFi-related settings in the YoLink app again.
- Changing your WiFi passwords or SSID name will require updating the WiFi-related settings in the YoLink app again.

A WiFi connection, if optional, may not be ideal for you if:

- Your WiFi is not dependable or stable.
- You are not the owner/administrator of the network/WiFi.
- You’ve forgotten or do not have the WiFi password.
- Your WiFi has a second verification process or additional security.
- You’d rather not share your WiFi credentials with additional apps.



Mobile Device Settings

Approve app access to your network and/or location:

1. iOS phones only: if prompted, enable Local Network Access. (Search “iOS location services” for more information)

2. Android or iOS, if prompted, grant access to your location. Tap **Allow Once**. This is required for the next steps.

To check or edit Location Services on your phone:

iOS:



Go to Settings, tap Privacy, tap Location Services
Ensure **Location** Services is on/enabled.
Scroll down to and tap the **YoLink** app
Select **While Using the App**

Enable **Precise Location**

Android:



Go to **Settings**, tap **Location**.

Ensure Location is On.

Tap **App Permissions**. Scroll down to and tap the YoLink app, then set permission to **Allowed Only While in Use**



Mobile Device Settings, Continued

Ensure you are logged into your WiFi:

- 1.** In your phone, open WiFi settings (Settings, WiFi)
- 2.** Identify your WiFi network, if possible. If there is only one SSID (network ID) you recognize, you will use that one
- 3.** Select the appropriate network and log-in, if needed



If your SSID is hidden, you must manually log into it on your phone, by selecting “Other...” in Other Networks or Choose a Network.



WiFi Set-Up

1. In the app, from the Rooms or Favorites screen, tap the YoLink Hub icon.
2. Refer to WiFi icon, it should read “Not Connected” – tap this icon.





WiFi Set-Up, Continued

3. Please carefully review the instructions on the **Setup Wi-Fi** screen. After pressing the SET button on the Hub, you will then log into the Hub's hotspot on your phone. This will need to be done with no delays between steps, otherwise the Hub will exit hotspot mode (in 5 minutes).
4. As directed in the app, press the Hub's SET button for 5 seconds or until the Blue Internet LED flashes.
5. Without closing the YoLink app, go to your phone's WiFi settings and log into the Hub's WiFi hotspot. It is identified as YS_1606#####. Disregard any messages that may appear, warning you the hotspot does not have an internet connection. If requested, approve "Once" or "This Time Only"



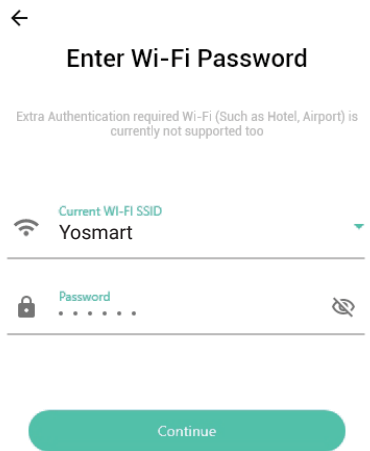
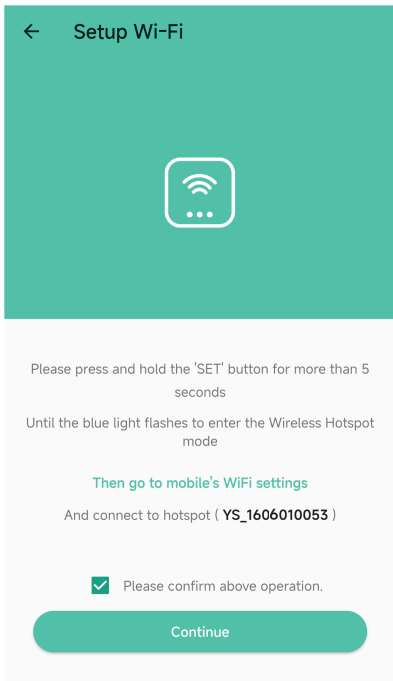
If you get an error message "failed to obtain Wi-Fi" grant access to your phone's location data, per the previous section.



WiFi Set-Up, Continued

6. If you see a “connect to device timeout” message, tap **Close**.

7. Promptly return to the YoLink app. Check the “Please confirm the above operation” checkbox. Tap **Continue**. The Enter WiFi Password screen appears as shown.





WiFi Set-Up, Continued

8. In the **Choose a WiFi** box, select your WiFi SSID from the drop-down menu list, or enter your WiFi SSID (unless it is hidden, it should appear in the list, when you tap in this area). It's important to note that if you opt for manual entry, you must also select your **WiFi security type** from the options displayed, as shown below.

←

Enter Wi-Fi Password

Please select your WiFi, and enter the password
You can also enter the SSID of the WiFi manually

Choose a Wi-Fi
Yosmart

Security
WPA-PSK/WPA2-PSK Mixed Mode

Password

Continue

Please make sure your mobile stays connected to the device's hotspot



WiFi Set-Up, Continued

9. Enter your WiFi password, then tap **Continue**.

10. After a short process, the **Set up WiFi successfully** message is displayed, Tap **Done**.

11. If your Hub was not already connected to internet, the Hub's blue internet LED should now be on solid, indicating the Hub is connected to the internet.

12. Your Hub may appear offline in the app, if it was not already connected to the internet via the Ethernet cable. Tap the refresh icon or swipe down on the screen, to refresh the app.

13. In the app, confirm the WiFi icon is green (indicating a WiFi connection), with your SSID name shown below it.

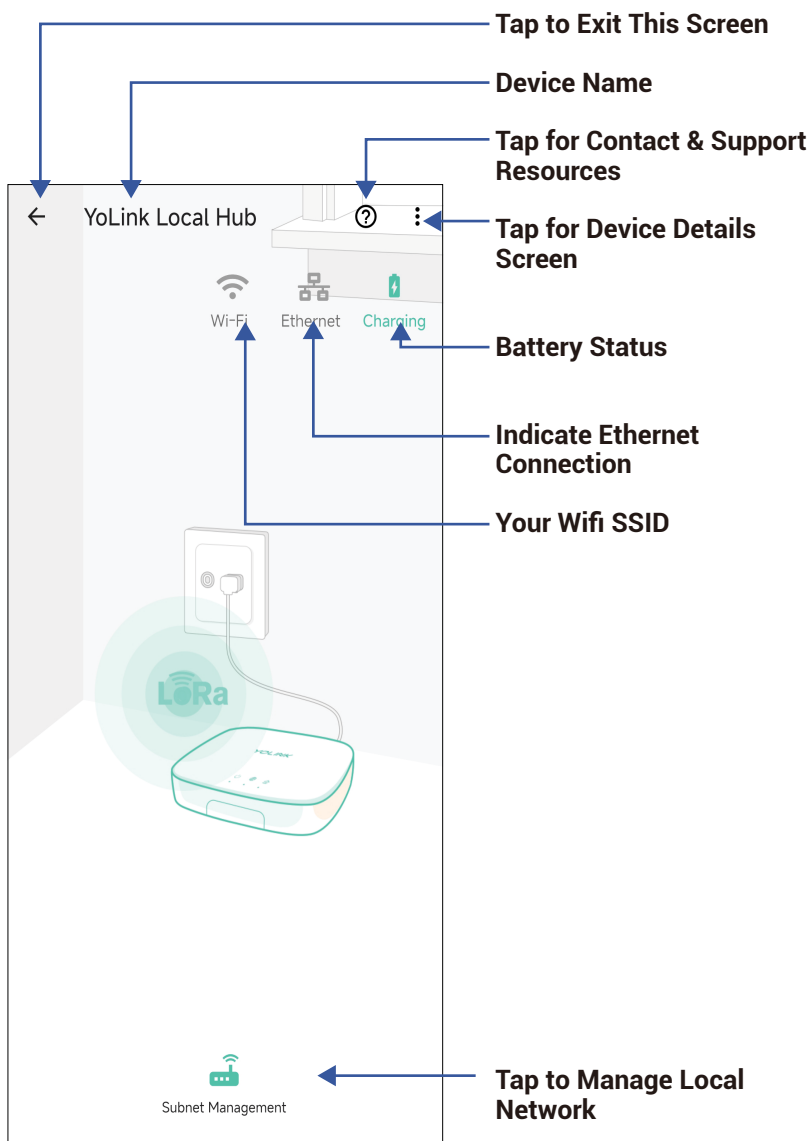
14. If you are not leaving your Hub connected to Ethernet, you may remove the Ethernet patch cord at this time. Verify the Hub's Internet LED indicator remains a solid blue, and in the app, the Hub online.

15. If you are moving your Hub to its permanent location, you can do so at this time. Verify the Hub comes online automatically shortly after being powered back up.



App Functions: Device Screen

In the app, tap on your Local Hub icon. Your main screen should be similar to the one shown below.





App Functions: Device Details Screen

Tap the three dots (in the upper right corner) to open the **Details** screen. Your screen should be similar to the one shown below.

← Details ?

TypeLocal Hub

NameLocal Hub8 >

Room1606 >

FavoriteWill show in favorite screen

HistoryGet device activity logs

Alarm StrategyDisabled >

StateOnline

Ethernet

EthernetConnected

IP Address192.168.1.140

Gateway192.168.1.3

Network Mask255.255.255.0

Wi-Fi

SSIDYoSmart-5G >

IP Address192.168.1.141

Gateway192.168.1.3

Network Mask255.255.255.0

Device Type

Device Name
(Tap to Edit)

Room
(Tap to Edit)

Favorite
(Red if Favorite, Tap to Edit)

History

Alarm strategy for this device

Device online/offline state

Your Ethernet Connection Information

Ethernet IP Address info

Your WiFi Network Name

WiFi IP Address info

25



App Functions: Device Details Screen, Continued

Power		
DC	Connected	Power Supply Connection Connected or Disconnected
Battery	Charging	Battery Status
Other		
Model	YS1606-UC	Model Number
Device EUI	d88b4c1606000008	Device EUI Unique Identifier Number
SN	0ffde8cda4  >	Device Serial Number
Firmware	0604 >	Firmware Revision (Refer to page 35)
Delete		Remove Device From Current Account Tap to delete the device from your YoLink account



App Functions: Alarm Strategy (Hub Offline Alarm)

To configure offline notifications for your hub, follow these steps:

1. Navigate to the 'Device Details' screen.
2. Select 'View your alarm strategies' to access alarm strategy settings.
3. Tap the '+' icon located in the lower right corner to create a new alarm strategy specifically for your hub.
4. In the new strategy, ensure that your hub is selected (indicated by a checkmark).
5. Finally, customize the notification settings as per your requirements.

← Alarm Strategy ⓘ

Name Hub >

Related Devices 1 >

🔔 Enable Device Alarm ☒

Do Not Disturb

🔕 Do Not Disturb ☐

📱 Send App Notification All ▾
iOS Notification Settings ...
Will send App Notification to All Home Members when device alerts

✉ Send Email All ▾
Will send Email to All Home Members when device alerts

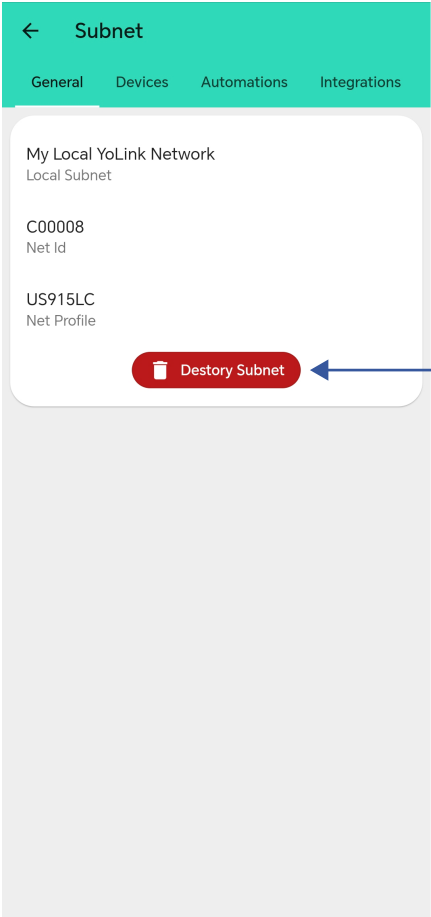
💬 Send SMS None ▾
Will not send SMS when device alerts

🔔 Trigger Action None >
Have not set any action

Save



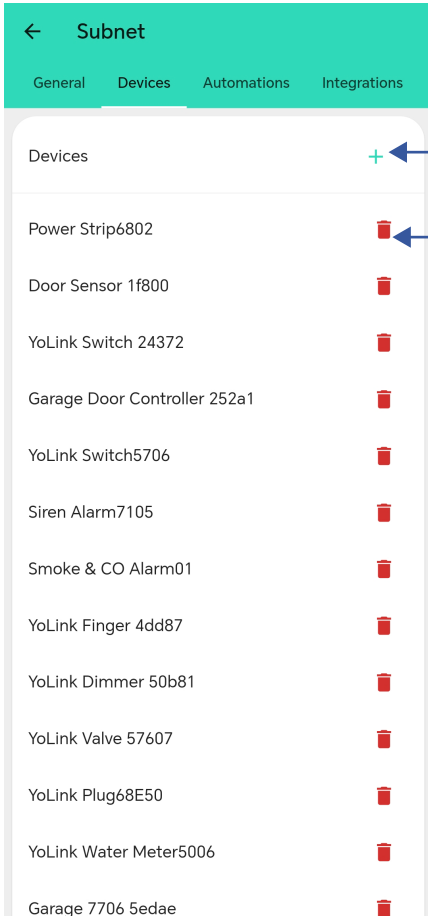
App Functions: Local Network - General Screen



Tap to Delete the Local Network



App Functions: Local Network - Devices Screen



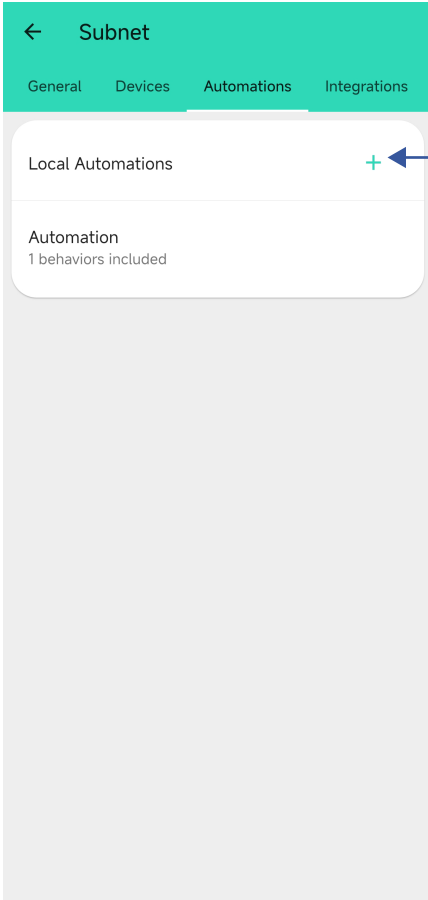
**Tap to Add Device to the
Local Network**



**Tap to Remove Device from
Local Network**



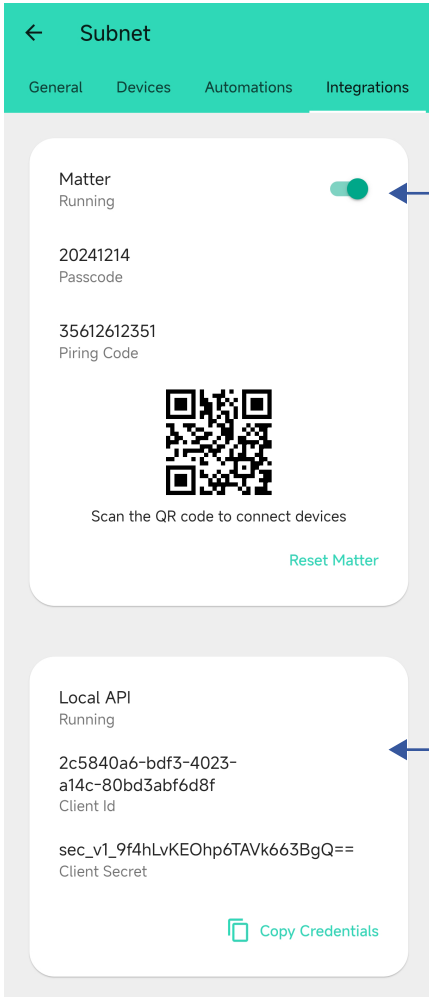
App Functions: Local Network - Local Automations Screen



**Tap to Create the Local
Automation**



App Functions: Local Network - Local Integrations Screen



Matter Integration Info

Scan to Add via Matter:
Use any Matter-supported platform (e.g., Apple Home, Google Home, or SmartThings) to scan this QR code and pair your YoLink device.

Example:
iPhone 14 or newer models can scan directly. For older iPhones, ensure you have a Matter controller (e.g., HomePod mini or Apple TV) to enable setup.

Local API Integration Info

T Adding Devices

Your Hub will be awfully lonely without some devices, like smart locks, light switches, water leak sensors or sirens to interact with. Now is the time to add your devices). You already know how to do this, because you added your Hub to the app; it is the same process of scanning the QR code that is on each device. Look again at part F for a refresher.

1. For each new device, refer to the instructions in the quick start guide* packaged with each product. It directs you to download the full Installation & User Guide, using the QR code in the "QSG". Refer to the full manual, and when directed, scan the device's QR code to add it to your system.



The quick start guide, or QSG, is a small and basic set of instructions that are packaged with each product. The QSG is NOT intended to guide you through the entire installation and user guide process, but it is only meant to be an overview. The full manual is too large to be included, plus, while the QSGs may be printed in advance, the manuals are always kept current with the latest updates to your products and app. Please always download the full Installation Manual & User Guide, to ensure the smoothest installation.



Adding Devices, Continued

- 2. When directed in the manual, turn on your device (typically by pressing the SET button).
- 3. Always confirm your device is online in the app before proceeding to the next device. Refer to Figure 1, for an example of of online and offline devices.

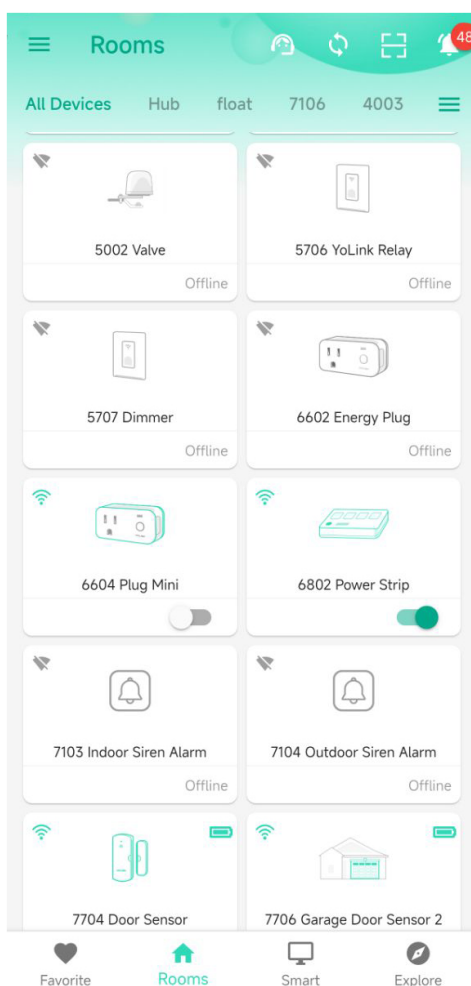


Figure 1



Factory Reset

Factory reset will erase device settings and restore it to factory default settings. Doing a factory reset will not remove the device from your account and it will not harm the device, or lose any data or require you to redo your automations, etc.

Instructions:

Hold the SET button down for 20-30 seconds, until the LED blinks. Then, release the button. (Holding the button down longer than 30 seconds will abort the factory reset operation)

Factory reset will be complete when the LED stops blinking.



Only deleting a device from the app will remove it from your account. Factory reset will not delete the device from the app.



Firmware Update

Your YoLink products are constantly being improved, with new features added. It is periodically necessary to make changes to your device's firmware. For optimal performance of your system, and to give you access to all available features for your devices, these firmware updates should be installed when they become available.

In the Detail screen of each device, at the bottom, you will see the Firmware section, as shown in the image below. A firmware update is available for your device if it says "#### ready now"

Signal Intensity

Strong (-32 dBm)

Firmware

0604



Delete

Tap in this area to start the update.

The device will update automatically, indicating progress by percentage-complete. You may use your device during the update, as the update is performed "in the background". The LED will slowly blink green during the update, and the update may continue for several minutes beyond the LED turning off.



Specifications

Controller:	MT7628: router-on-a-chip includes embedded high-performance CPU
-------------	--

Color:	White
--------	-------

Power Supply:	DC 5V/2A Li-on rechargeable Battery, 18650, 2550mAh, 3.6V
---------------	--

Dimensions, Imperial (L x W x D):	4.88 x 3.66 x 1.22 inches
--------------------------------------	------------------------------

Dimensions, Metric (L x W x D):	124 x 93 x 31 mm
------------------------------------	------------------

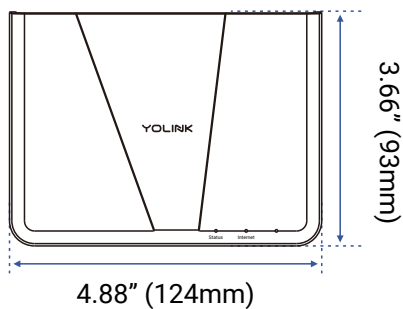
Operating Temperature Range:	
---------------------------------	--

Fahrenheit:	32°F – 113°F
Celsius:	0°C – 45°C

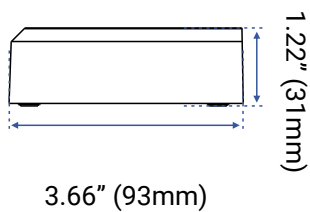
Operating Humidity Range:	≤ 90% Non-Condensing
------------------------------	----------------------



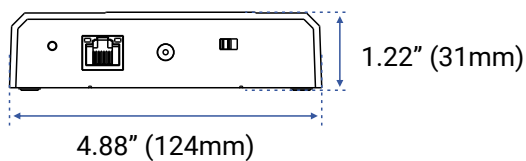
Specifications, Continued



FRONT



SIDE



TOP

Warnings

- Power the Hub with the provided adapter, only
- The hub is designed and intended for indoor use and is not waterproof. Install indoors, avoiding subjecting the Hub to water or damp conditions
- Do not install the hub inside or near metals, ferromagnetism or any other environment which may interface with the signal
- Do not install the Hub near flames/fire or expose to high temperatures
- Please do not use strong chemicals or cleaning agents to clean the hub. Please use a clean, dry cloth to wipe the hub to avoid dust and other foreign elements entering the Hub and affecting the operation of the Hub
- Avoid allowing the hub to be exposed to strong impacts or vibration, which may damage the device, causing malfunctions or failure



2 Year Limited Electrical Warranty

YoSmart Inc. warrants to the original user ("customer") of this product that it will be free from defects in materials and workmanship, under normal use, for 2 year from the date of purchase. This warranty does not apply to devices that have been improperly installed, modified, put to a use other than designed, or subjected to acts of God (such as floods, lightning, earthquakes, etc.). This warranty does not cover neglected or abused products. This warranty is limited to the repair or replacement of the device, only, at YoSmart's sole discretion. YoSmart will NOT be liable for the cost of installing, removing, nor reinstalling this product, nor direct, indirect, or consequential damages to persons or property resulting from the use of this product. This warranty only covers the cost of replacement parts or replacement units, it does not cover shipping & handling fees. The customer must provide proof of purchase, in the form of the original purchase invoice or order number. The purchase must have been made from an authorized seller.

To implement this warranty please contact us by one of the methods listed on the Contact Us page of this user guide.

Z FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

Z FCC Statement, Continued

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

PRODUCT NAME:
LOCAL HUB

PARTY:
YOSMART, INC.

TELEPHONE:
831-292-4831

MODEL NUMBER:
YS1606-UC

ADDRESS:
25172 ARCTIC OCEAN DRIVE, SUITE 106 LAKE
FOREST, CA 92630 USA

EMAIL:
SERVICE@YOSMART.COM



Contact Us

We are here for you, if you ever need any assistance installing, setting up or using a YoLink app or product!

Need help? For fastest service, please email us 24/7 at service@yosmart.com

Or call us at **831-292-4831** (US phone support hours: **Monday - Friday, 9AM to 5PM** Pacific)

You can also find additional support and ways to contact us at:

www.yosmart.com/support-and-service

Or scan the QR code:



Support Home Page

Finally, if you have any feedback or suggestions for us, please email us at feedback@yosmart.com

Thank you for trusting YoLink!

YoLink Customer Support

YOLINK

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