

YoLink Thermostat

YS4003-UC

Quick Start Guide

Revision Feb. 23, 2023

A 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!

Eric Vanzo
Customer Experience Manager

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

Pour des instructions en français, scannez les codes QR dans la section suivante.

Para obtener instrucciones en español, escanee los códigos QR en la siguiente sección.

B Before You Begin

Please note: this is a quick start guide, intended to get you started on the installation of your Thermostat. Download the full Installation & User Guide by scanning this QR code:



Installation & User Guide

You can also find all guides and additional resources, such as videos and troubleshooting instructions, on the Thermostat Product Support page by scanning the QR code below or by visiting:

<https://shop.yosmart.com/pages/thermostat-product-support>



Product Support
Support produit
Soporte de producto

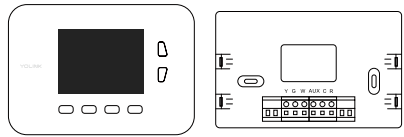


Before you begin installation, please note, the Thermostat requires a C (Common) wire. It will not function without a C wire. If the thermostat location does not have a C wire, a new C wire, or a C wire adapter, must be installed. Please contact us for additional information and technical support on this topic.

This thermostat works with common single-stage 24 volt systems such as forced air, hydronic, heat pump, oil, gas, and electric. It will not work with millivolt systems, such as a gas fireplace, or with 120/240 volt systems such as baseboard electric heat.

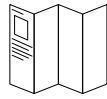
Your Thermostat connects to the internet via a YoLink hub (SpeakerHub or the original YoLink Hub), and it does not connect directly to your WiFi or local network. In order for remote access to the device from the app, and for full functionality, a hub is required. This guide assumes the YoLink app has been installed on your smartphone, and a YoLink hub is installed and online (or your location, apartment, condo, etcetera, is already served by a YoLink wireless network).

C In the Box



Thermostat

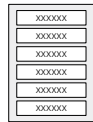
Mounting Plate ("Back Plate")



Quick Start Guide



Wall Screws (2) & Drywall Anchors (2)



Wire Labels

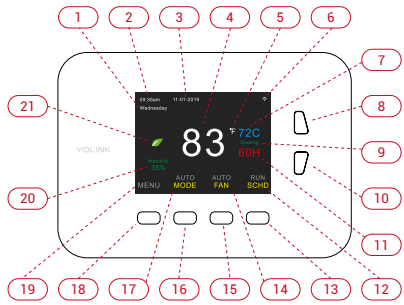
D Required Items

The following items may be required:

- Drill with Drill Bits
- Multimeter
- Medium Phillips Screwdriver
- Small Slotted Screwdriver
- Level
- Pencil
- Alternative Mounting Hardware

E Get to Know Your Thermostat

Please take a moment to familiarize yourself with your new Thermostat.



- 1) Current day of the week
- 2) Current time of day
- 3) Current Date
- 4) Current temperature
- 5) Fahrenheit/Celsius indicator
- 6) Connection status
(white if connected, red if disconnected)
- 7) Cooling set point
- 8) Temperature up button
- 9) Status
(“Cooling” if in cooling mode, “Heating” if in heating mode)
- 10) Temperature down button
- 11) Heating set point
- 12) Schedule status
(“RUN” if running on a schedule, “HOLD” if not running on a schedule)
- 13) Schedule button
(press to activate or deactivate schedules)
- 14) Fan status
(“AUTO” if fan will run on demand, “ON” if the fan is on)
- 15) Fan button
(press to switch the fan between AUTO and ON mode)
- 16) Mode button
(press to switch between system modes: AUTO, HEAT, COOL, OFF)
- 17) Mode status
(“AUTO” if cooling or heating automatically, “HEAT” if only heating is running, “COOL” if only cooling is running)
- 18) Menu button
(press to access the Thermostat's menu system)
- 19) Menu indicator
- 20) Current humidity level (%)
- 21) ECO
(Energy Conservation Operation) Leaf appears if in ECO mode

F 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.



Download on the App Store

Available on Google Play

Apple phone/tablet iOS 9.0 or higher Android phone/tablet 4.4 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.

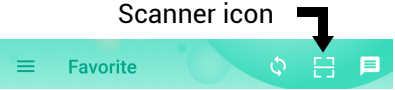
You will immediately receive a welcome email from no-reply@yosmart.com with some helpful information. Please mark the yosmart.com domain as safe, to ensure you receive important messages in the future.

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

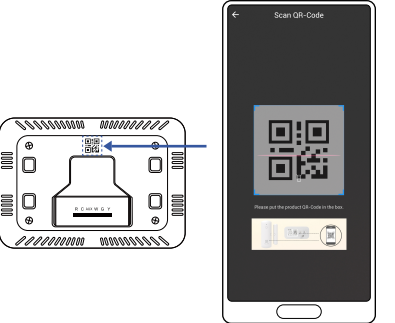
The app opens to the **Favorite** screen. This is where your favorite devices and scenes will be shown. You can organize your devices by room, in the **Rooms** screen, later.

G Add Your Thermostat 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.

4. Follow the instructions to add your Thermostat to the app.

H Installation



This installation manual assumes the Thermostat is replacing an existing thermostat. For new installations please disregard references to the existing thermostat, etc.

CAUTION: To prevent personal injury and damage to property, always remove power to the thermostat by turning off the HVAC equipment at the circuit breaker panel, prior to performing any steps related to connecting or changing the thermostat wiring!

H Installation, Continued.

THERMOSTAT TERMINAL	TYPICAL WIRE DESIGNATIONS	FUNCTION	REMARKS
Y	Y	NON-HEAT PUMP: PRIMARY COOLING	TYPICALLY YELLOW
		HEAT PUMP: COMPRESSOR ON/OFF CONTROL	
G	G	FAN RELAY	TYPICALLY GREEN
W	W, O/B	NON-HEAT PUMP: PRIMARY HEATING	TYPICALLY WHITE, ORG, BRN
	W, O/B	HEAT PUMP: HEAT OR COOL MODE	ACCORDING TO O/B SETTING
AUX	AUX, or E	EMERGENCY HEAT	
C	C or COM	24VAC COMMON	TYPICALLY CYAN, SEE NOTE #1
R	R, RC, RH	24VAC POWER	TYPICALLY RED
	Y1, Y2	MULTI-SPEED OR SECOND STAGE COOL	SEE NOTE #2
	W2	SECOND STAGE HEAT	SEE NOTE #2
	OAT	OUTSIDE AIR TEMPERATURE	SEE NOTE #3
	SRTN, OAT RETURN	OUTSIDE AIR TEMPERATURE	SEE NOTE #3

If your existing thermostat has additional wires that do not appear to correspond with any of these wire designations, please contact us.

1. Refer to the chart above, match up your thermostat wires with their matching screw terminal on the Thermostat terminal strip.

2. Turn off power, as required, to ensure there are no energized wires at the thermostat location.

3. Before making any changes to the thermostat wiring, it is important to identify the individual wires and their functions using the supplied labels (or masking tape, etc.) label each wire with the same identifier that is on the existing thermostat ("C", "R" etcetera). It may also help to have a picture of the wiring on the existing thermostat, in case a label falls off or if you need to reinstall the existing thermostat.

4. Remove your existing thermostat and back plate from the wall. Use care to not allow the cable to fall into the hole in the wall!

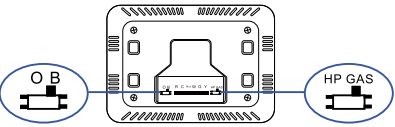
5. Mount the new back plate to the wall, using the appropriate method, for example, with the supplied drywall anchors. Position the plate, to cover the hole in the wall, and check the level of the plate, as needed. Do not overtighten the mounting screws, as this will warp the back plate, adversely impacting the thermostat operation.

6. Terminate each conductor on its respective screw terminal. You will need to loosen each screw terminal, first. When finished, gently tug on each wire, to ensure a good connection.

7. Refer to the rear of the Thermostat. Set the HP/GAS slide switch to HP for heat pump systems otherwise to GAS. You can change the switch setting with a small screwdriver, pencil or similar object.

8. If you set the HP/GAS switch to HP, set the O/B slide switch to O for energizing the reversing valve on heating (cold climates) or B for energizing the reversing valve on cooling (hot climates) operation.

If you set the HP/GAS switch to GAS, the valve will only energize for heating.



Note #1: Confirm the presence of a C wire, or one labeled COM or COMMON. The Thermostat will not function without a C wire (or C wire adapter, as previously noted).

Note #2: The Thermostat is not compatible with multi-speed cooling, two or second-stage cooling or heating

Note #3: The Thermostat does not use an outdoor temperature sensor. This is an optional feature used for heat pump lockout, based on outside temperature. As there is no automatic lockout with the Thermostat. To avoid possible compressor damage, do not run the air conditioner if outside temperatures are below 50°F (10°C).

9. Gently push the thermostat down onto the back plate. You may hear an audible click, as it snaps into place. Observe the rear thermostat sides, near the wall, to ensure there are no uneven gaps between the plate and the thermostat. Gently tug on the thermostat, to ensure it does not come loose.

10. Turn on power to the unit. The Thermostat display should immediately turn on. If not, double-check your wire terminations, power-off the unit and correct any mistakes, as needed.

Refer to the full Installation & User Guide and the product support page to complete the setup of your Thermostat.

I 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!

Eric Vanzo
Customer Experience Manager



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