



# Meri™

## INSTALLATION GUIDE

## Introduction

The Meri™ Smart WiFi Thermostat allows you remotely control and schedule your home's temperature with ease. It can support most conventional heating and cooling systems with up to 3 heating and 2 cooling stages.

## Key Features

- By connecting to the app, you can control your cooling and heating systems from anywhere.
- Control your temperature.
- Set energy saving modes.
- Create timed schedules to automatically set your thermostat and home temperature.
- Manually control the thermostat straight from the device's touchscreen display.

## Product Features

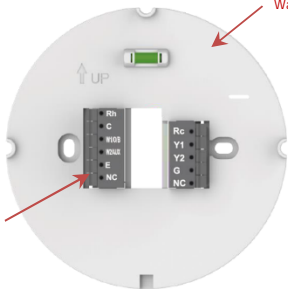
Main display screen



Control buttons

Setting controls

Wall Plate



Wire terminals

## What's Included



Meri Smart  
Thermostat



Wall Anchors  
(x2)



Screws  
(x2)



Wire Label  
Stickers

### Additional tools you'll need:

- Screwdriver
- Pen or pencil (to mark drilling holes)

### Additional tools you MIGHT need:

- Needle-nose pliers
- Wire stripper
- Drill and drill bit (7/32")

## Compatibility

- Compatible with most heating, cooling and heat pump systems.
- Required: 24 VAC power ("C" wire).
- Does not work with electric baseboard heat (120-240V).
- Does not work with millivolt systems.
- Android or iOS smart phone, table or device.
- 2.4GHz (802.11b/g/n) for WiFi connectivity

## WiFi Requirements

The Meri requires 2.4GHz (802.11b/g/n) for WiFi connectivity. This is a standard home WiFi router. You will need your WiFi name and password when connecting your Meri thermostat to your home WiFi network.

## Installation

The Meri WiFi Thermostat should be mounted in a suitable location.

- It is recommended to install the thermostat about 5 ft above the floor and in an open area with good air circulation.
- Do not install in locations that may affect the temperature reading, such as:
  - Drafty areas or poorly circulated areas.
  - Near ducts or appliances that blow hot or cold air.
  - Concealed pipes and chimneys.
  - Unheated (uncooled) areas such as an outside wall behind the thermostat.



**WARNING: Failing to shut off the power could result in a serious injury, electrical shock, and/or risk of fire.**

## **1. Turn OFF power.**

**Important:** You MUST shut off the power at the breaker box that controls your heating/cooling system.

## **2. Test to make sure the power is off.**

Sometimes there's some residual power in the thermostat so it could take up to 5 minutes for your old thermostat to turn completely off.

## **3. Remove your old thermostat.**

Most thermostats allow you to just pull off the unit from its wall plate. However please make sure you're familiar with your old thermostat and the removal process as you can potentially damage your wall if done incorrectly.

Do NOT remove any wires yet from the old thermostat's wall plate.

## **4. Make sure the wires you have are supported.**

If you have thick black wires, wire nuts connected on the wires coming from the wall, or uses 120V or higher, then your system is not compatible with the Meri thermostat.

## **5. Take a picture of your current wiring setup.**

Use your smartphone to take a picture of the wiring and connectors with the letters. You will use this as a reference when connecting to the Meri thermostat.

## **6. Attach the included label stickers to the wires.**

Wrap the label stickers around the appropriate wires. This will help when connecting them to the Meri thermostat's connectors.

## **7. Disconnect the wires and remove the old wall plate.**

You may now start disconnecting the wires from the old thermostat's wall plate connectors. Make sure the wires do not fall back into the wall as they may be difficult to retrieve. Then, unscrew the wall plate from the wall to remove it.

## **8. Insert the wall anchors (optional).**

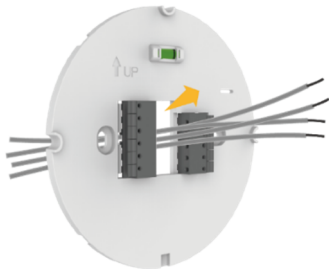
You may choose to use the wall anchors to insert into the wall first before applying the new wall plate. First, hold the Meri wall plate onto the wall where you'll be installing it



and use a pen or pencil to mark the screw holes on the wall. Take off the wall plate and use a 7/32" drill bit to create the hole for the wall anchor, then insert the wall anchors.

### **9. Bring the wires through the Meri wall plate.**

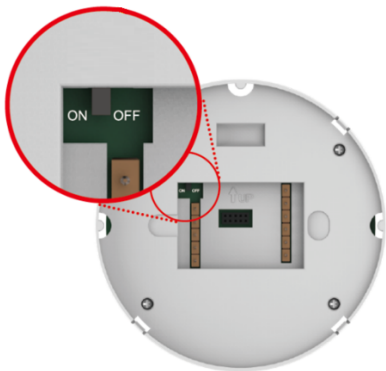
Bundle the wires together and through the middle hole of the Meri wall plate. Also check to make sure there is enough exposed wiring (at least ¼ inch) for each wire so they can insert into the wall plate connectors easily.



## 10. Connect your R wire(s).

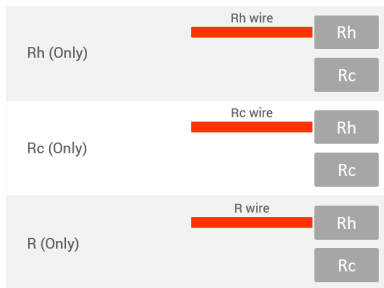
Depending on your heating/cooling system you may have an R, Rh, and/or Rc wire(s). The Meri thermostat can accommodate for these three wires but some configurations require a “jumper” to connect the power.

The jumper switch is located on the back of the thermostat as shown in the image below.

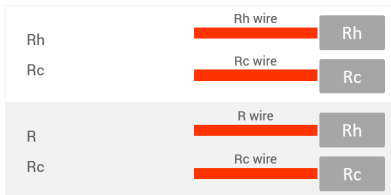


To determine the switch position, use the follow chart as a guide.

Turn the **switch ON** if:



Turn the **switch OFF** if:



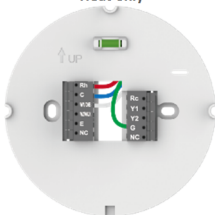
## 11. Connect the remaining wires.

Match your wires to the appropriate connectors on the wall plate. You will be connecting to the same labeled terminals as your old thermostat connections.

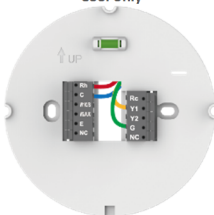
You may use the images below as a reference according to your heating/cooling system.

**Note:** Your wire colors may differ from the images shown below.

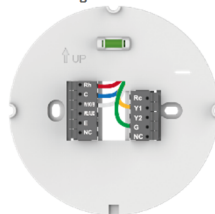
Conventional  
Heat only



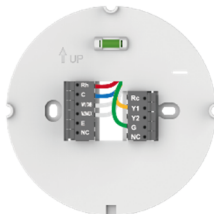
Conventional  
Cool only



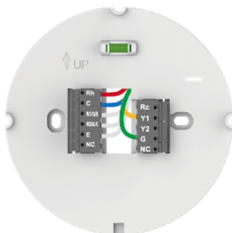
Conventional  
1 Stage Heat and Cool



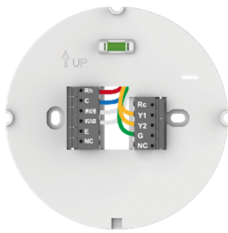
1 Stage Heat Pump  
With Aux



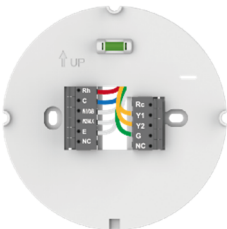
**1 Stage Heat Pump  
with Aux and Emer**



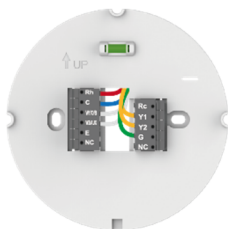
**Conventional  
2 Stage Heat and Cool**



**2 Stage Heat Pump  
with Aux and Emer**



**2 Stage Heat Pump  
with Aux**



## **12. Attach your Meri WiFi Thermostat.**

Firmly attach the Meri thermostat to the wall plate.

## **13. Turn the power back ON.**

Turn ON the power at the breaker box.

## **14. Follow on-screen instructions**

Once the power is back on, there will be a sequence of instructions to connect the WiFi, enter zip code, and app pairing.

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Note: Screen shots and procedures described in this manual are subject to change without notice. The latest Momentum User Guide is always available on our website at <http://www.momentumcam.com>.

## **FCC Compliance**

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.

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