



PowerX Water Heater

Gas





WELCOME TO THE POWERX FAMILY

Join us on our mission to save energy, water and the planet.



community.powerx.co

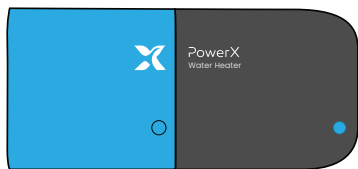


Table of Contents

What's included	3
Installation guide	
1. Download the PowerX App & connect Hub	4
2. Connect to Wifi & add PowerX Water Heater	5
3. Mount PowerX Water Heater - Gas	7
4. Attach sensors	9
5. Connect PowerX Water Heater to power	12
6. Confirm connection	13
7. Add water leak detection cable (optional)	14
Connectors	15
Product specifications	16
Disclaimer	17
PowerX Suite	18



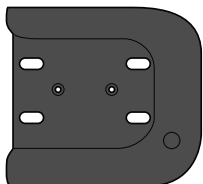
What's included



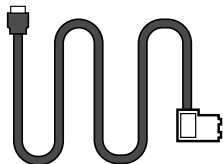
PowerX Water Heater - Gas



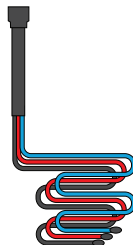
PowerX Hub



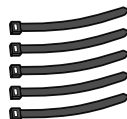
PowerX Mount



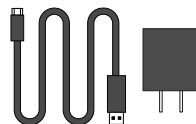
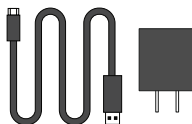
Gas valve connection cable



Set of temperature sensors
(Black, Blue, and Red)

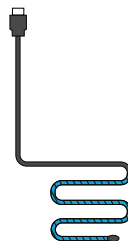


5 Zip Ties



2 USB wall adapter and power cable

Optional



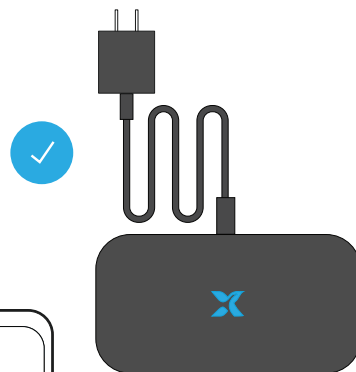
Water leak
detection cable



1 Download the PowerX App & connect Hub

1.1 Plug in the PowerX Hub

Connect the PowerX Hub to the wall adapter and cable, and plug it in an electrical outlet. The Hub's LED light will start to blink.



1.2 Download the PowerX App

Download and open the PowerX App from your device's app store and follow the on-screen instructions.



1.3 Scan Hub's QR code

Scan your PowerX Hub's QR code, or type in the Hub's ID manually. You can find the Hub's ID on the bottom of the unit.

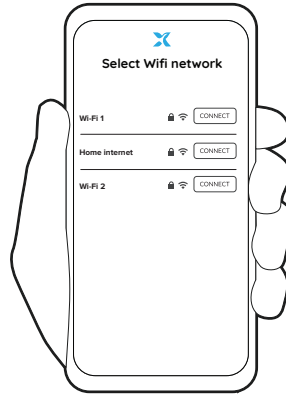


2 Connect to Wifi and add PowerX Water Heater

2.1 Connect to Wifi

Choose your local Wifi network, select "Connect", and enter your Wifi credentials.

Your device is successfully connected if you see the message "Successfully added Hub" in the mobile app, and the blinking blue light on the device changes to remain ON steadily.



Successfully added Hub

2.2 Add PowerX Water Heater

In the PowerX App select "Add device".

Then scan the QR code on the bottom of the PowerX Water Heater - Gas sensor or type in the sensor's ID manually.



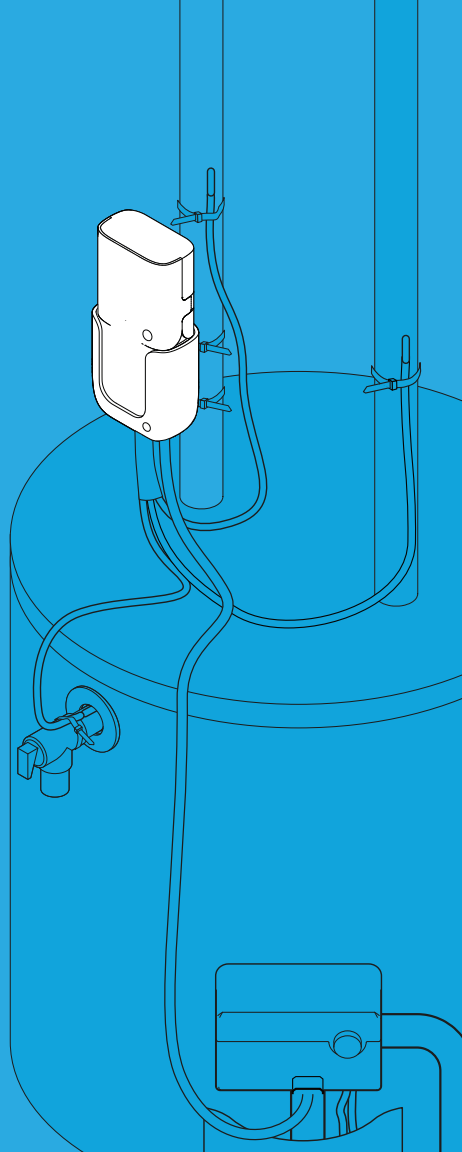
ADD DEVICE



If you need further help please go to help.powerx.co



Step by step guide to installing PowerX Water Heater - Gas

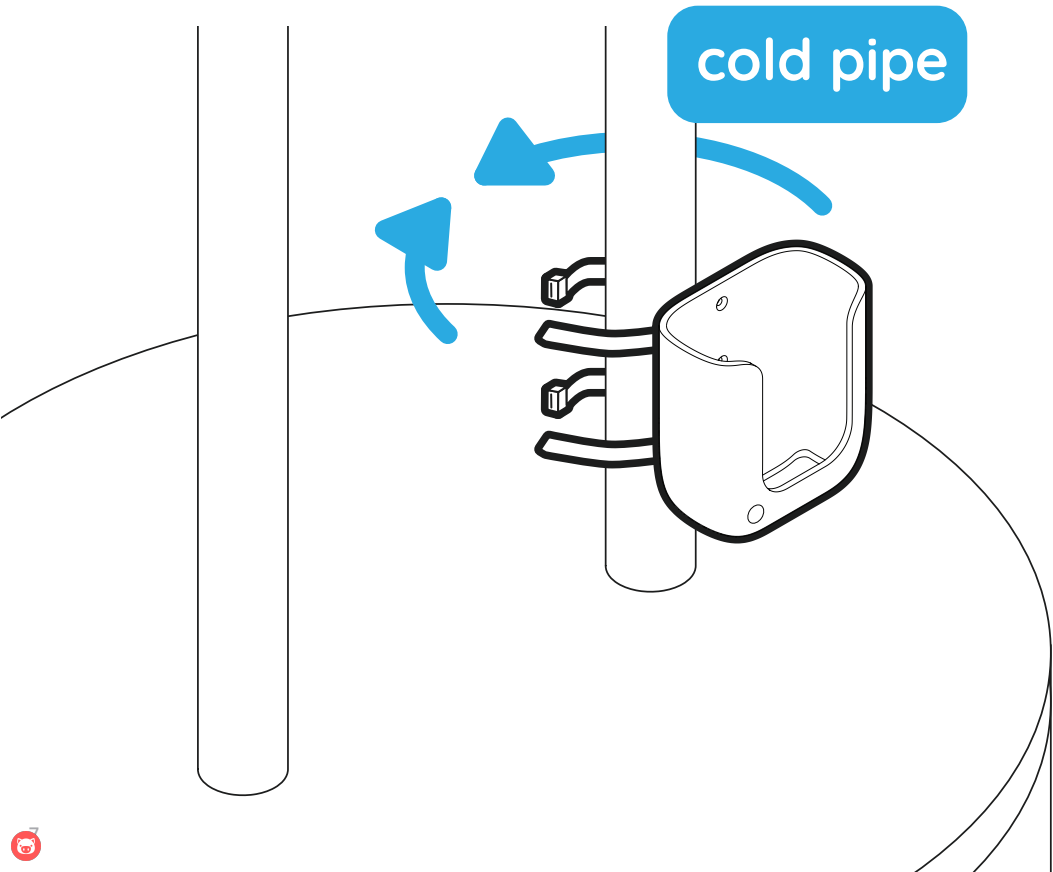


3

Mount PowerX Water Heater - Gas

3.1 Install PowerX Mount

Use the provided zip ties to carefully secure the PowerX Mount to the cold water pipe on your water heater.

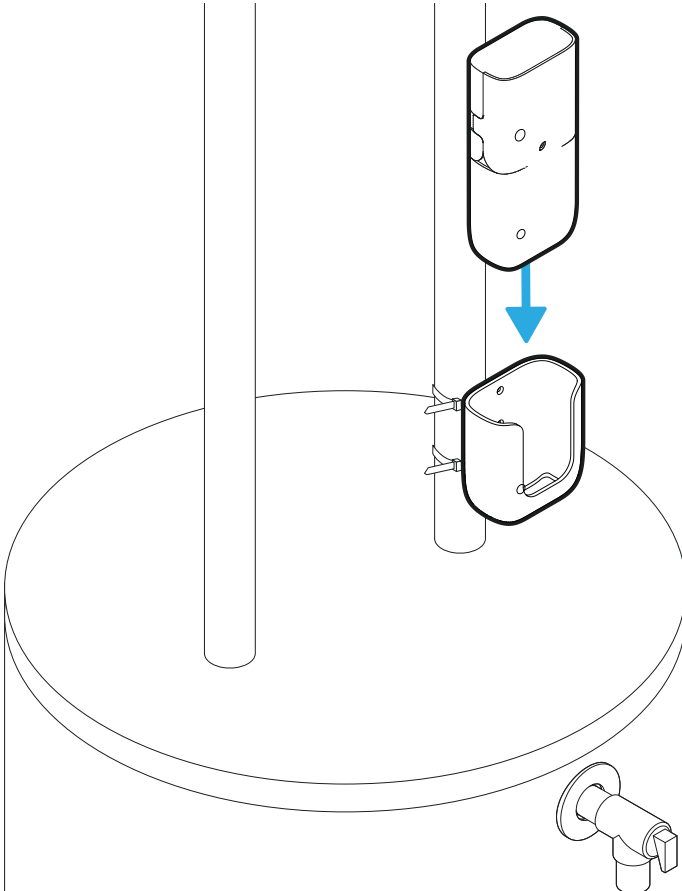


3

Mount PowerX Water Heater - Gas

3.2 Insert PowerX Water Heater - Gas

Insert the PowerX Water Heater - Gas unit into the PowerX Mount.



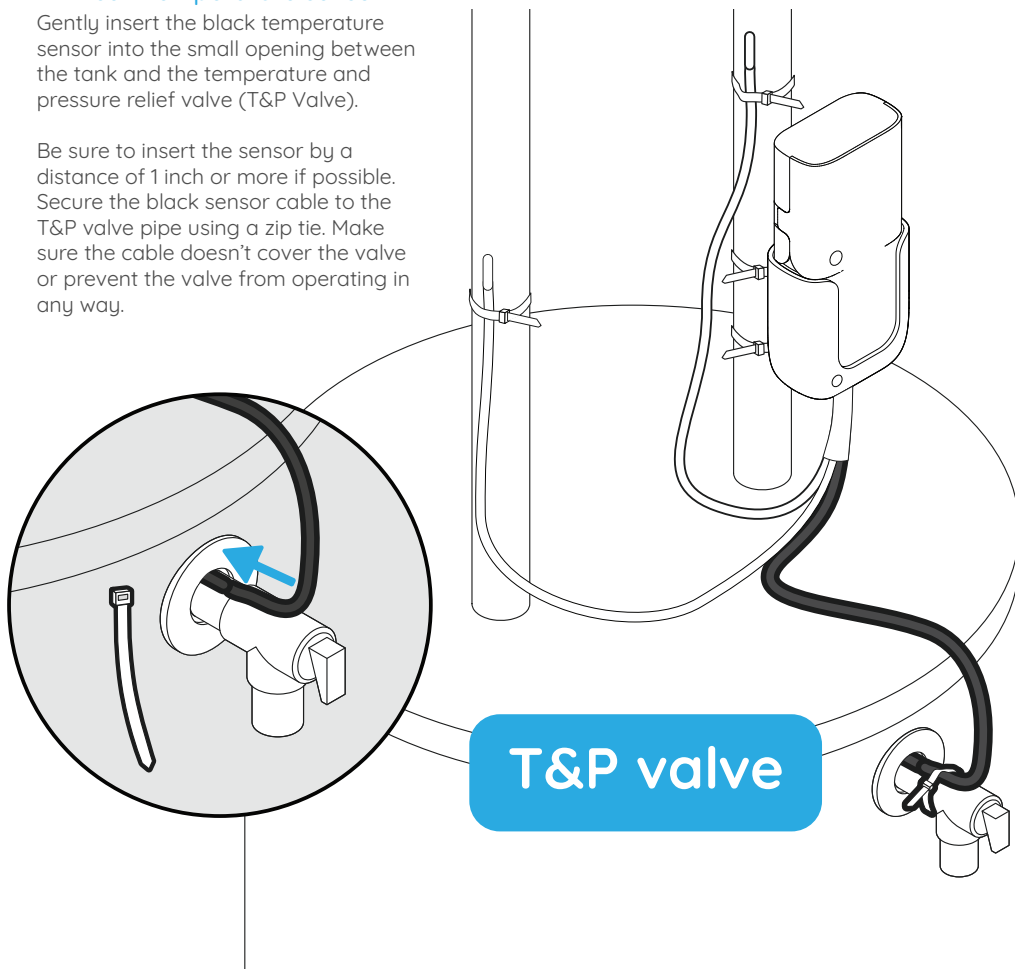
4

Attach sensors

4.1 Insert temperature sensor

Gently insert the black temperature sensor into the small opening between the tank and the temperature and pressure relief valve (T&P Valve).

Be sure to insert the sensor by a distance of 1 inch or more if possible. Secure the black sensor cable to the T&P valve pipe using a zip tie. Make sure the cable doesn't cover the valve or prevent the valve from operating in any way.



T&P valve



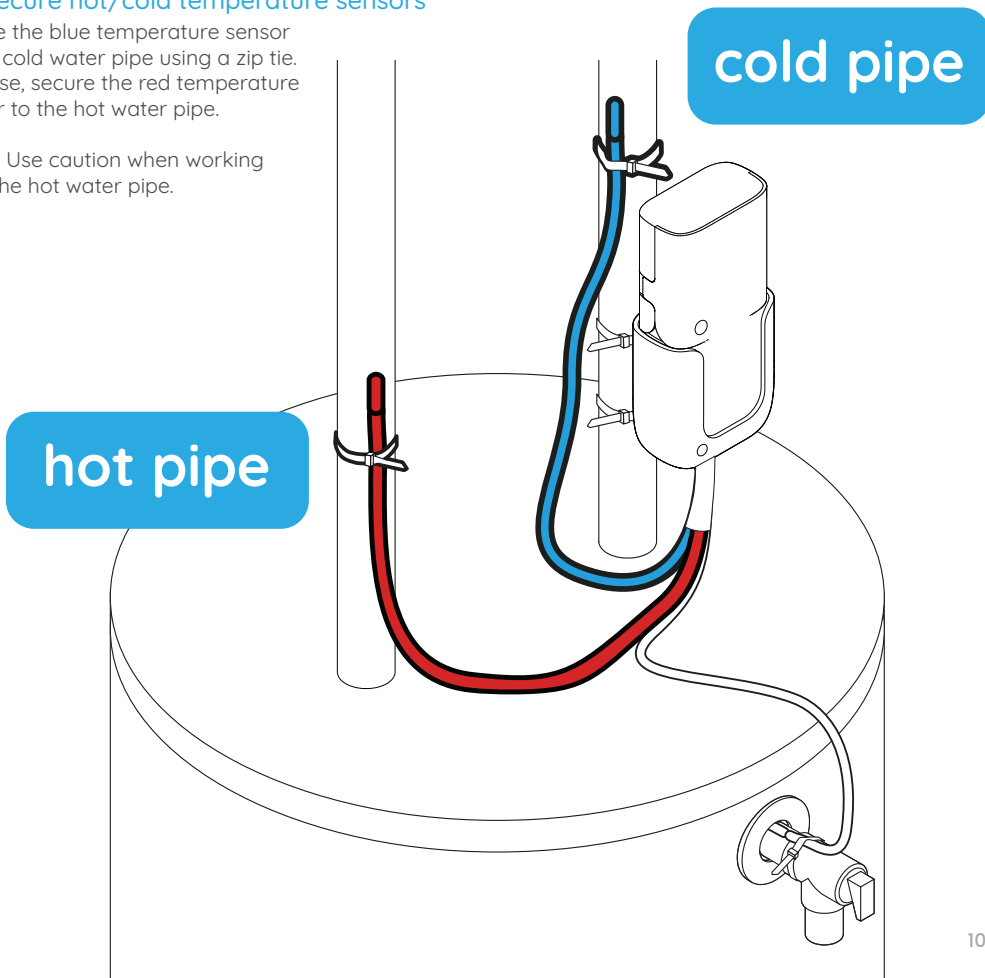
4

Attach sensors

4.2 Secure hot/cold temperature sensors

Secure the blue temperature sensor to the cold water pipe using a zip tie. Likewise, secure the red temperature sensor to the hot water pipe.

NOTE: Use caution when working near the hot water pipe.

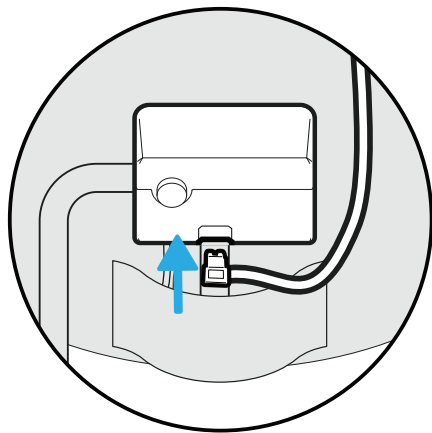


4

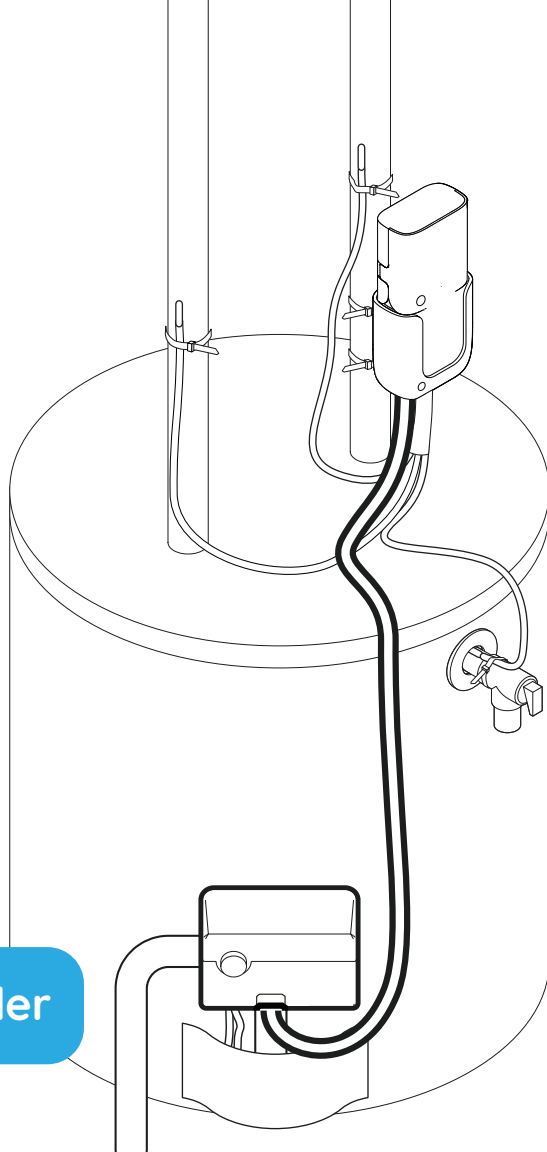
Attach sensors

4.3 Connect to gas valve controller

Connect PowerX Water Heater - Gas to the gas valve controller on the water heater using the Gas valve connection cable.

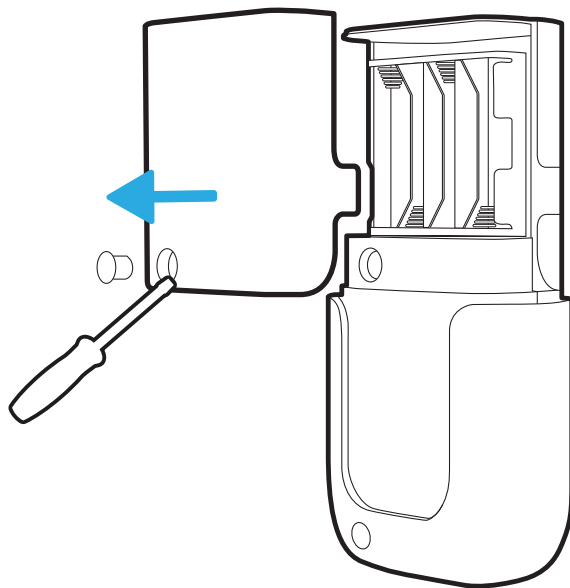


gas valve controller



5 Connect PowerX Water Heater to power

Ensure PowerX Water Heater - Gas is powered with 4AA batteries or plugged with the provided Micro USB connector according to your selection.

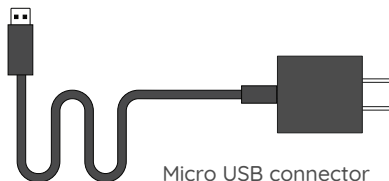


option 1



AA batteries x4

option 2



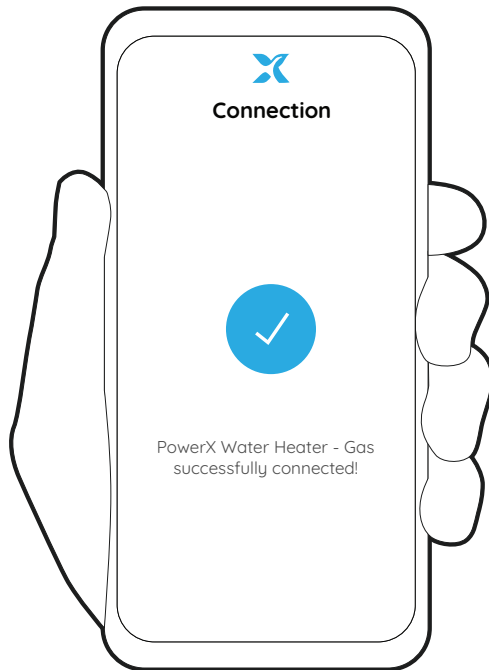
Micro USB connector

6

Confirm connection

All done!

PowerX App will notify you of successful connection. Your PowerX Water Heater - Gas is ready to use.

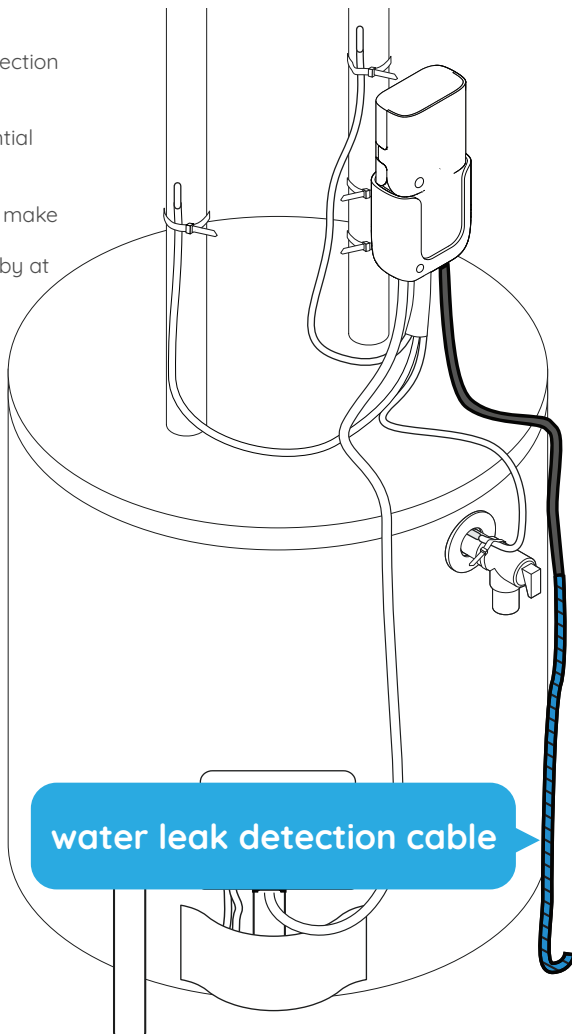


7

Add water leak detection cable (optional)

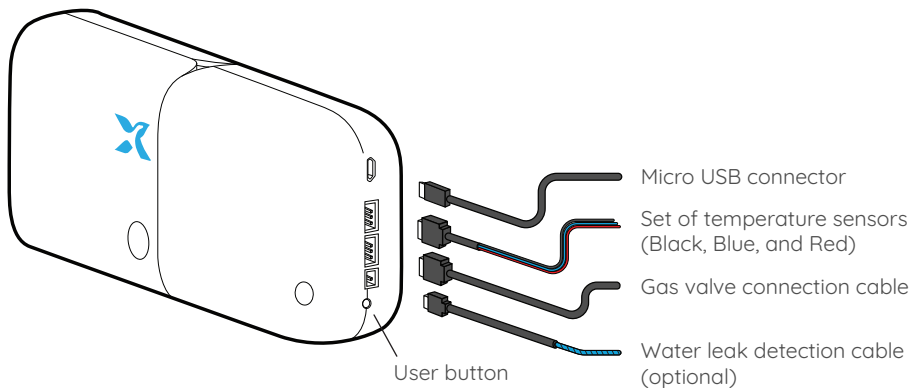
If your kit includes the water leak detection cable, attach it to the PowerX Water Heater - Gas unit and place the blue section in a location where any potential leak points exist.

If your water heater has a drain pan, make sure the water leak detection cable touches the bottom of the drain pan by at least 1-2 inches.

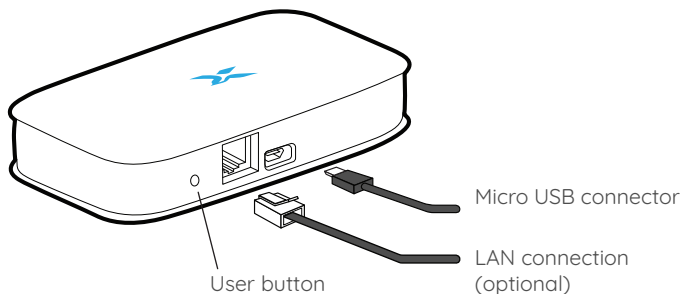


water leak detection cable

PowerX Water Heater - Gas



PowerX Hub





Product specifications

Note: This device requires that the water heater has an electronic gas valve. It is not compatible with water heaters with mechanical-style gas valves.

Hardware	Dimensions (LxWxH)	PowerX Water Heater - Gas	7" x 3.1" x 1.7"
		PowerX Hub	5.2" x 2.8" x 1.2"
	Temperature sensors cable length		3.2 ft
	Gas valve connection cable length		5.0 ft
	Weight	PowerX Water Heater - Gas	0.7 lb
		PowerX Hub	0.3 lb
	Wireless features	PowerX Water Heater - Gas	LoRa
		PowerX Hub	802.1/b/g/n - 2.4GHz
Indoor/Outdoor use			Indoor only
Software	Device requirements		Requires iOS 9.0 and up, or Android 6.0 and up.
	PowerX interface		PowerX App: Requires PowerX account and acceptance of the terms of service found at www.powerx.co
Other parameters	Operating temperature		32 - 154°F
	Operating Relative Humidity (RH)		<90%
	Operating elevation		<6560 Feet
	Waterproof		No (IPX0)
	Warranty		1-year limited warranty





PowerX Water Heater - Gas falls under the definition of permitted power monitoring equipment given that:

- (i) it's identified as a field-installable accessory, and
- (ii) the total area of conductors and equipment at any cross-section of the wiring space does not exceed 75 percent of the cross-sectional area of that space, as per section 312.8(B) of the 2017 National Electrical Code (NEC) regarding Power Monitoring Equipment.

The PowerX Smart Suite contains FCC ID:

15.247:2015

15.109:2015

15.107:2015

This device has been tested and found compliant 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.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Caution: Any changes or modifications not expressly approved by PowerX void the user's authority to operate the equipment.

To view patents, get answers to questions or see the latest versions of our user manual please visit help.powerx.co



PowerX Suite

PowerX is most effective as a Suite, including Water, Electricity and Water Heating measurement. We strongly recommend installing the full Suite for highest efficiency and optimization.



PowerX

powerx.co

