



# User Guide

Version 1.0

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[www.stove-stop.com](http://www.stove-stop.com)

# WARNING!

If the information in the Installation Guide (download with link below) or User Guide (this manual) is not followed, a fire or explosion may result causing property damage, personal injury or death. Please read all the instructions completely and carefully. This product should only be installed or serviced by qualified personnel.



Scan the QR code or visit:

<https://www.stove-stop.com/installation-user-guides>

# DANGER!

**If you smell gas:**

1. Do not try to light or power on any appliance in the building.
2. Do not touch any electrical switches or use any phones in the building.
3. Call your gas supplier from a phone outside the building and follow their instructions.
4. If you cannot contact your gas supplier, then call the fire department.

**Please keep a copy of this guide for your records**

# 1 Introduction

Thank you for purchasing Stove-Stop. The Stove-Stop smart valve is designed to put you in greater control of your gas equipment or appliance. Whether you are trying to prevent burns or uncontrolled fires, the Stove-Stop smart valve addresses the root cause of the problem by adding an additional gas shutoff between your appliance and the gas source. Once the Stove-Stop smart valve is installed in your system, you can use the iOS or Android mobile App or an optional Accessory Switch to control the flow of gas to an appliance with the touch of a button. Before proceeding, there are a few things to keep in mind about Stove-Stop:

- Stove-Stop works by controlling the flow of gas to an appliance; it does not control any part of the appliance itself.
- When the Stove-Stop smart valve is functioning and open, your appliance should work normally, and when the smart valve is closed, the appliance's burners will not ignite because the flow of gas is shutoff.
- Always make sure the appliance's burner knobs are in the off position before opening the Stove-Stop smart valve. Do not rapidly close and open the smart valve in such a way that results in the release of flammable gas after a burner is extinguished (unless your appliance is equipped with an automatic burner reignition system that will prevent leakage of flammable gas).
- Always visually inspect the appliance before and after opening the Stove-Stop smart valve and ensure there is no unintended or uncontrolled release of flammable gas from the appliance. The most reliable way to test whether the smart valve is open or closed is by checking for gas flow and/or burner ignition with the appliance's controls.
- Stove-Stop is not intended to facilitate unattended use of any gas equipment. Users should always be next to the appliance when operating the Stove-Stop smart valve.
- The unique smart valve design only requires power to *change* from open to closed or closed to open, which means it will stay open or closed depending on the last command it received even if there is a loss of power.
- Always follow the recommendations provided by appliance and equipment manufacturers.
- Stove-Stop is designed to prevent accidents due to unauthorized use of an appliance by shutting off the gas flow and stopping an appliance's burners from igniting. However, Stove-Stop should not be considered a substitute or replacement for any manual or service safety shutoff valves required by local codes or standards, nor is it a replacement or substitute for any flow control or safety device in an appliance.
- Stove-Stop is designed to prevent accidents in conjunction with frequent surveillance of the appliance by authorized users. It is up to you to promptly return gas equipment or the appliance to a safe state if unauthorized use or anomalous conditions are detected.

The following sections will help you connect to and control a Stove-Stop smart valve with your mobile device.

## 2 Download Mobile App

Android 11 or higher



iOS Version 16 or higher



## 3 Connecting to a Smart Valve

To start using your Stove-Stop smart valve, open the mobile app and the first screen you see will look like Figure 1. The Stove-Stop smart valve does not require an internet connection or any additional hardware (other than a compatible mobile device) to function. However, you must be close (usually less than 10 ft or 3 m) to the smart valve and in visual range of the appliance to control it.



Stove-Stop is not designed or intended to facilitate unattended use of any gas appliance or equipment. Always make sure you are close enough to manipulate an appliance's controls before using Stove-Stop.

Tap the Refresh button to update the valve list below if it does not update automatically

Tap a valve's name in the list to connect to a nearby valve

The signal strength for each valve is also displayed

The first time you connect to a valve, your mobile device will show a popup alert prompting you to enter a pairing pin code. The factory default pin code is 111111. This can be changed from Settings for increased security.

If Auto-Connect is enabled in Settings (it is the default) then the App will automatically connect to the first paired valve discovered in range.

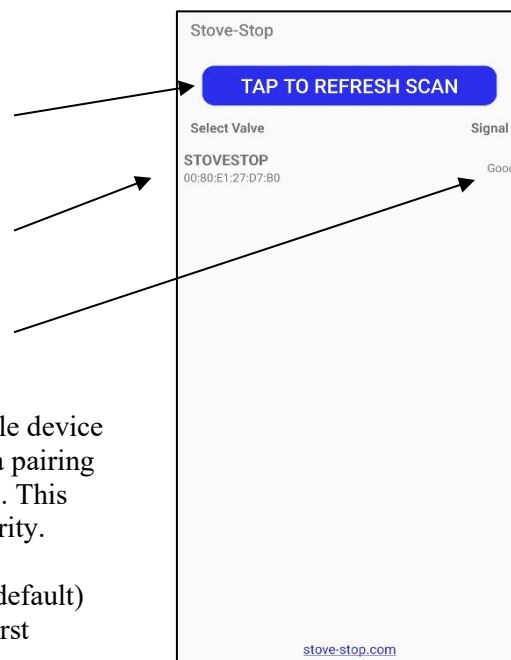


Figure 1: Valve Connection Screen

## 4 Sending Smart Valve Commands

After connecting to a smart valve, it can be controlled from the Remote Control screen shown in Figure 2. Remember that opening the Stove-Stop smart valve allows the connected appliance to operate normally as gas can flow, and closing it prevents any burners on the appliance from igniting as gas cannot flow.

The Connected banner displays the name of the valve currently connected. The valve name can be changed in Settings.

The Valve Status banner displays whether the valve is open or closed (based on the last command received by the Control Unit). If the valve status is unknown, then there was likely a loss of power.

The OPEN & CLOSE Buttons send commands to the connected valve.

If the Auto-Close feature is enabled, then pressing the OPEN Button will both open the smart valve and start a timer. When the timer runs out, the smart valve will close. If the timer is active, then the remaining time is displayed in the Valve Status banner. If no timer duration is shown, then the valve will remain in its current state until it receives a new command.

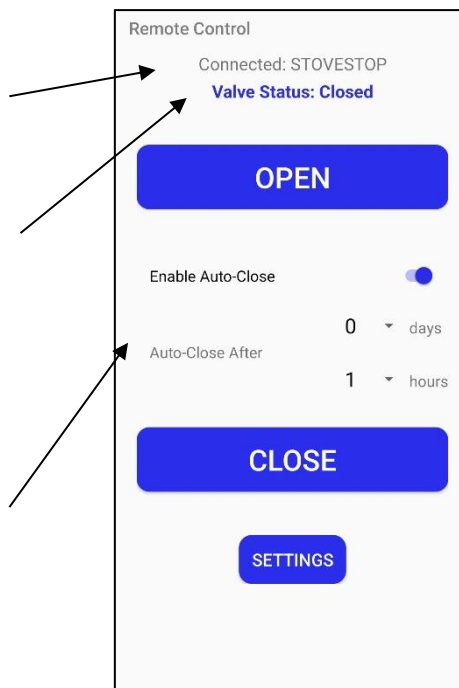


Figure 2: Remote Control Screen

Use the OPEN and CLOSE Buttons to send commands to the smart valve. The commands are executed as soon as they are received (just like a TV remote control). Keep in mind that the valve will not respond to multiple rapid command inputs. If the smart valve does not respond to any commands consult the Stove-Stop Installation Guide for hardware troubleshooting.



If the electrical connection between the Gas Valve and Control Unit is damaged or broken, then the Valve Status banner may incorrectly report the valve's open or closed status since it is based on the last command received by the Control Unit.

When you want to use your appliance, you'll probably remember to open the Stove-Stop smart valve because the burners will not light otherwise. However, it's easy to forget to close the smart valve after you have manually turned off the appliance's burner. To help, Stove-Stop is equipped with an Auto-Close feature. When Auto-Close is enabled, you can set a timer that starts or restarts every time you press the OPEN button, and then after the timer runs out, the smart valve closes. Be sure to set the timer duration longer than the amount of time you plan to use the appliance. Longer Auto-Close timer durations can reduce the number of times you have to open the Stove-Stop app to use your appliance, but this also means your appliance is less protected. The timer resets to the Auto-Close duration shown on your mobile device every time you press the OPEN button. This is important to remember if multiple devices and users will control the valve (especially when different users have different timer preferences). Remember the app works just like a remote control and responds to the last command it received from any device or the optional wired Accessory Switch.

The app reports the smart valve's status as Open, Closed, or Unknown based on the last command received by the Control Unit. An Unknown status means there was a loss of power, and the state of the smart valve (Open vs. Closed) could not be determined. The Unknown status can be removed by simply pressing the OPEN or CLOSE button.

## 5 Changing Smart Valve Settings

The Settings screen shown in Figure 3 allows you to change the optional Accessory Switch's function, change the smart valves response to a loss or return of AC mains power, and customize the wireless settings (pairing pin code and smart valve name).

The function of the optional wired Accessory Switch can be controlled here. See Section 5.1.

Choose what the smart valve does when the Control Unit is powered on. See Section 5.2.

The Auto-Connect feature is described in Figure 1.

Tap the Change Pin Button to create a new pairing code for the valve. Keep in mind that this will require all devices to reconnect to the valve with the new pin.

Tap the Change Valve Name button to give the valve a new name for the Connected banner.

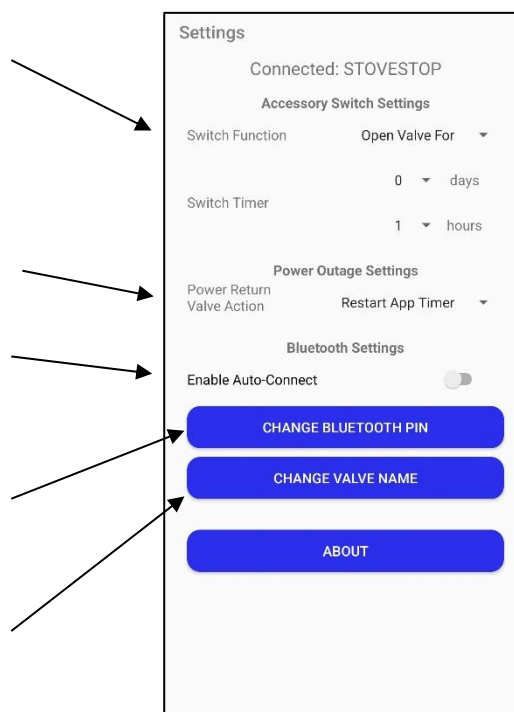


Figure 3: Settings Menu

### 5.1 Accessory Switch Settings

The optional Accessory Switch works just like the open and close buttons on the Remote Control screen in Figure 2. It can be used to open or close the smart valve to which it is attached, and it can be configured to use the Auto-Close feature. Table 1 below describes all the available settings for the Accessory Switch's functions.

Table 1: Optional Accessory Switch Settings

| Setting         | Result                                                                                                                                                      |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| None            | This disables the switch and ignores any inputs from it. This setting provides the maximum security as the smart valve can only be controlled from the App. |
| Hold Valve Open | The switch can open and close the smart valve, and the Auto-Close timer is disabled.                                                                        |
| Open Valve For  | The switch can open and close the smart valve, and the Auto-Close timer is enabled.                                                                         |



The optional Accessory Switch will not respond to rapidly changing inputs. Wait for at least 1 second between opening and closing the smart valve with the Accessory Switch.

## 5.2 Power Return Settings

When electrical power is restored to the Control Unit, there are several ways for the smart valve to respond. The different actions are listed in Table 2 below. Keep in mind that the valve does not need power to stay open or closed, so it will stay open or closed until it receives a new command. This can be useful for preventing cooking interruptions during a brown out or short power outages.

Table 2: Power Return Valve Action Settings

| Setting                     | Result                                                                                                                                                                                                                  |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| None                        | When AC mains power returns, no action is taken by the smart valve and it will either remain open or remain closed depending on how it was set prior to the loss of power. The Valve Status banner will report Unknown. |
| Restart App Timer (Default) | Same effect as None except the Auto-Close timer will restart with the last duration input from the App Remote Control screen, and the smart valve will close after the timer expires.                                   |
| Restart Switch Timer        | Same effect as None except the Auto-Close timer will restart with the last duration input for the Accessory Switch in the Settings screen, and the smart valve will close when the timer expires.                       |
| Close                       | When AC mains power returns, the smart valve will close immediately.                                                                                                                                                    |

## 6 Factory Reset

A factory reset may be needed if there is a wireless problem such as a lost or forgotten pairing code. Before performing a factory reset, try force quitting and restarting the iOS or Android App. If that does not resolve the problem, then try power cycling the Control Unit by unplugging (wait for the Indicator LED to turn off) and re-plugging the Control Unit. If you know you are in range of the device, it is powered, and the Indicator LED does not respond to input commands or the smart valve does not show up in scans, then a factory reset can be performed with the following steps.

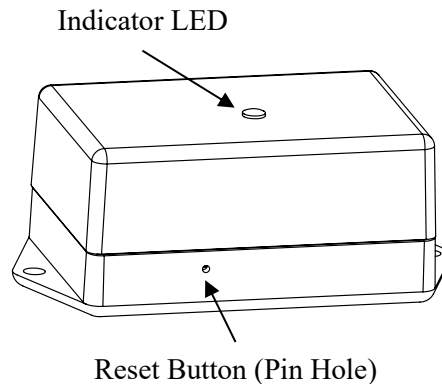


Figure 4: Reset Button Location

1. Locate the Reset Button pin hole on the side of the Control Unit
2. The Control Unit should be powered, and the Indicator Light should be illuminated
3. Lightly press and hold the switch using a pin or paper clip (you should feel a click when it is pressed).
4. The Indicator Light will blink several times when the switch is pressed
5. When the Indicator Light turns off, release the Reset Button
6. The factory reset is complete
7. All mobile devices will need to be paired with the valve again
8. Your mobile device may require you to manually “forget” the Stove-Stop smart valve before you can pair with it again. This can be done by selecting “Forget Device” in the mobile device’s Settings -> Bluetooth menu.
9. The default pin code is reset to 111111