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**FireAvert FireAvert-CA**

# FireAvert Gas Stove Auto Shut-Off Device (1/2" Pipe Line) User Manual

Model: FireAvert-CA | Brand: FireAvert

## 1. INTRODUCTION

The FireAvert Gas Stove Auto Shut-Off Device is designed to enhance kitchen safety by automatically stopping the flow of gas to your stove when a smoke alarm is detected. This system helps prevent kitchen fires caused by unattended cooking, offering an additional layer of protection for your home and family.

This manual provides detailed instructions for the proper installation, operation, and maintenance of your FireAvert device. Please read it thoroughly before installation and use.



**It's easy to lose focus  
while cooking**

Figure 1: Statistic highlighting the prevalence of cooking fires, emphasizing the need for safety devices like FireAvert.

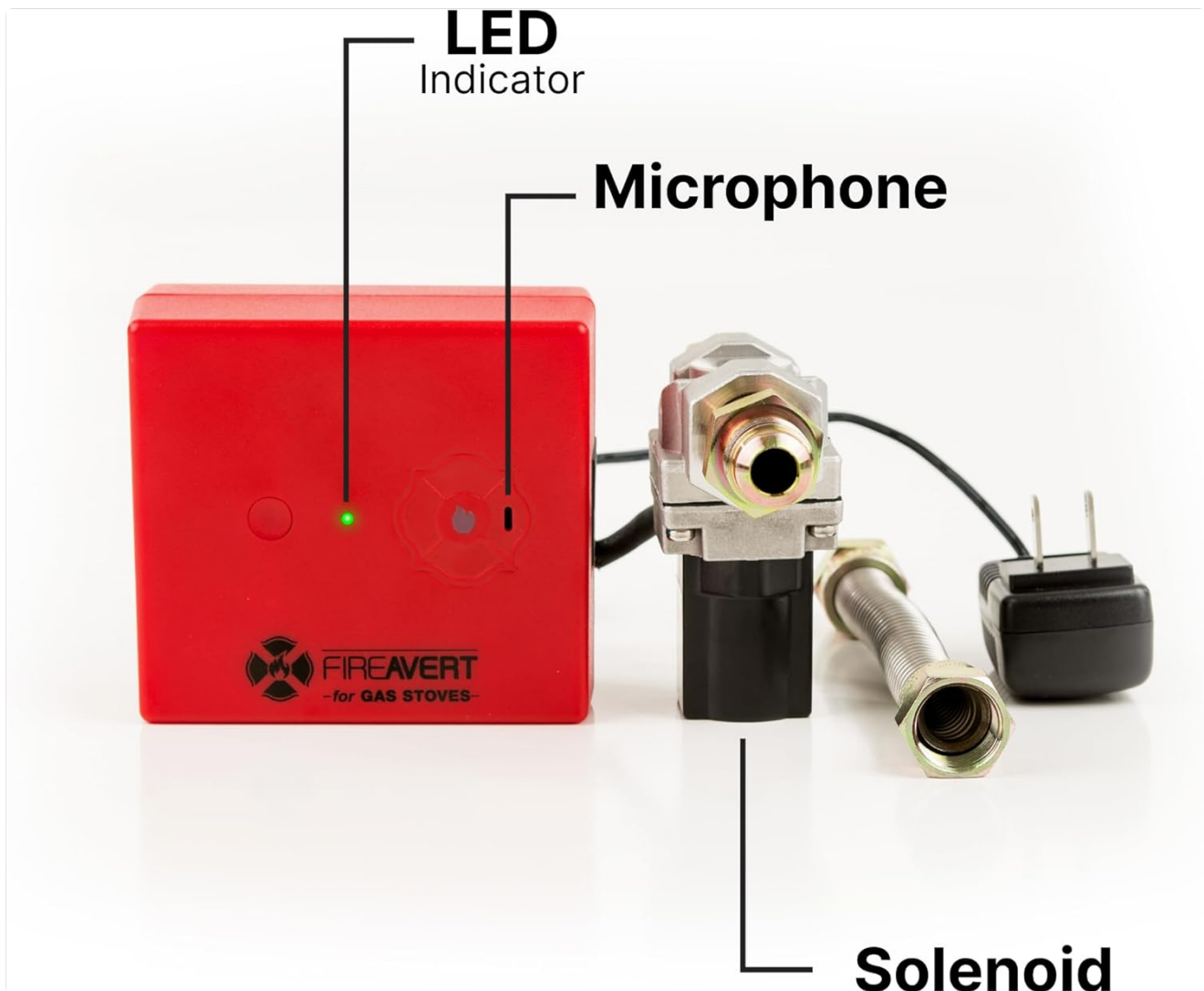


Figure 2: Visual representation of common distractions that can lead to unattended cooking and potential fires.

## 2. SAFETY INFORMATION

- **Professional Installation for Gas Lines:** Installation of the gas solenoid valve must be performed by a qualified and licensed professional (e.g., plumber or gas technician) to ensure compliance with local codes and safety standards. Improper installation can lead to gas leaks, fire, explosion, or serious injury.
- **Electrical Safety:** Ensure the electrical outlet behind your stove is properly grounded and in good working condition. Do not overload the circuit.
- **Smoke Detector Functionality:** The FireAvert device relies on the audible signal from your existing smoke detector. Ensure your smoke detector is properly installed, maintained, and tested regularly according to the manufacturer's instructions.
- **Environmental Conditions:** Do not use FireAvert in excessively dusty, warm (above 90°F / 32°C), or humid (above 80%) environments.
- **Emergency Procedures:** Familiarize yourself with emergency procedures for gas leaks and fires. Know how to manually shut off your main gas supply.
- **Children and Pets:** Keep the device and its components out of reach of children and pets.

### 3. PRODUCT OVERVIEW

The FireAvert Gas Stove Auto Shut-Off Device consists of a control unit and a gas solenoid valve. The control unit monitors for smoke alarm sounds, and upon detection, signals the solenoid valve to cut off the gas supply to your stove.



Figure 3: Main components of the FireAvert Gas Stove Auto Shut-Off Device.

#### Components:

- **Control Unit:** The red box with an electrical outlet, LED indicator, and microphone. This unit plugs into the wall outlet, and your stove plugs into it.
- **Gas Solenoid Valve:** This valve is installed in your gas line and is controlled by the FireAvert unit to open or close the gas supply.
- **Power Adapter:** Connects the control unit to the solenoid valve.



Figure 4: Detailed view of the FireAvert control unit and solenoid valve, highlighting key features.

## 4. SETUP AND INSTALLATION

Installation involves two main parts: the electrical connection of the control unit and the installation of the gas solenoid valve. The electrical connection can be done by the user, but **gas line installation must be performed by a qualified professional.**

### 4.1. Gas Solenoid Valve Installation (Professional Required)

1. **Turn off Gas Supply:** The professional will first turn off the main gas supply to the stove.
2. **Install Solenoid Valve:** The 1/2" gas solenoid valve will be installed in the gas line leading to your stove. This typically involves cutting the existing gas line and fitting the valve securely. Ensure all connections are leak-

tested.

3. **Connect Power Adapter:** The power adapter from the FireAvert control unit will connect to the solenoid valve.
4. **Restore Gas Supply:** After successful installation and leak testing, the gas supply can be restored.

**Important:** Do not attempt to install the gas solenoid valve yourself unless you are a qualified and licensed professional.

#### 4.2. Electrical Connection and Syncing (User Installation)

1. **Position the Stove:** Carefully pull your gas stove away from the wall to access the electrical outlet.
2. **Plug in FireAvert:** Plug the FireAvert control unit into the 110V electrical outlet behind your stove. Ensure it fits securely. The unit is designed to fit in the space behind most stoves.

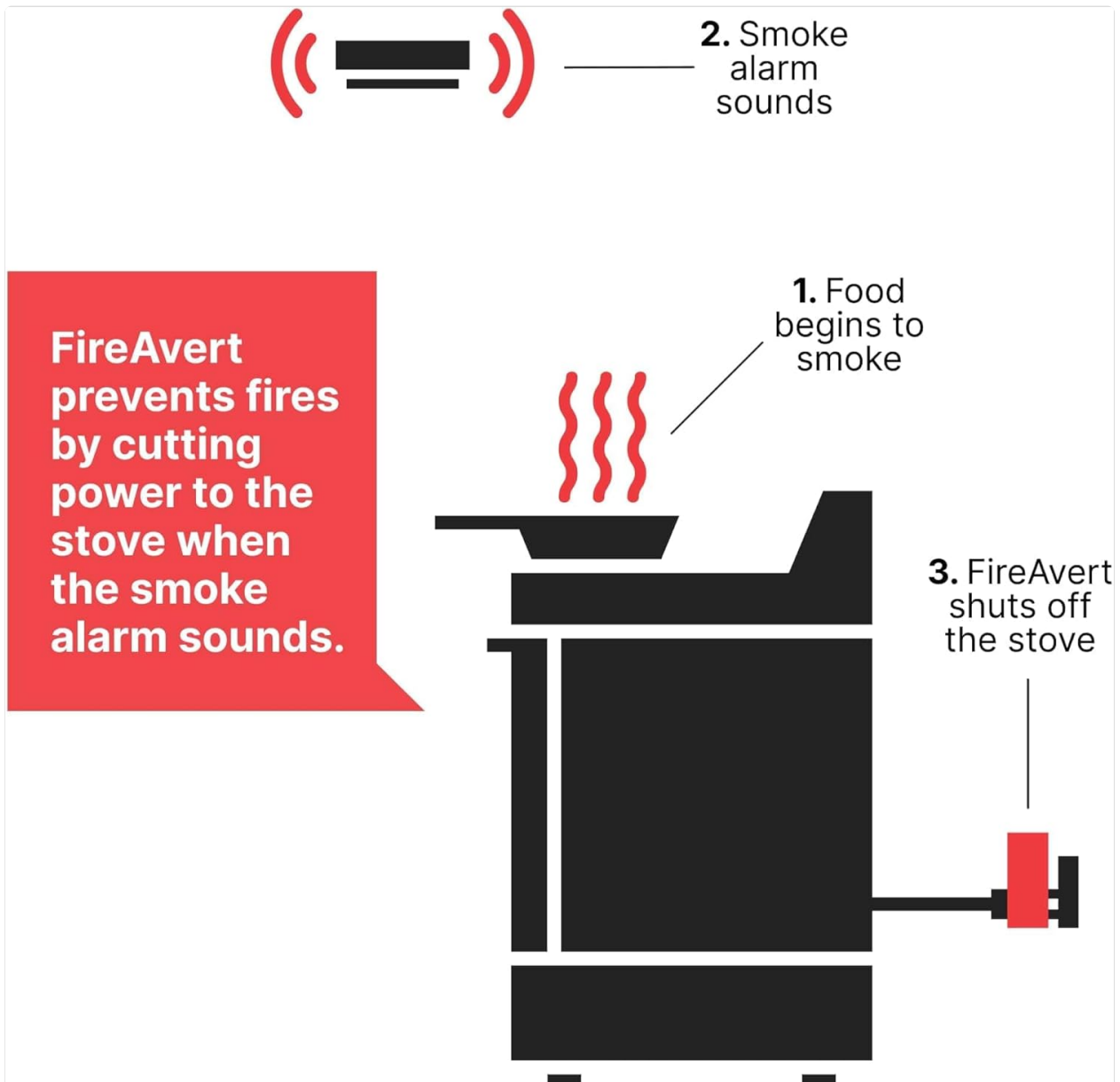


Figure 5: Plugging the FireAvert control unit into the wall outlet.

3. **Connect Stove to FireAvert:** Plug your gas stove's power cord into the outlet on the FireAvert control unit.



**Easy to  
install**

**Fits in the  
gap behind  
the stove**



Figure 6: FireAvert unit installed behind the stove, connecting the stove to power.

#### 4. Sync with Smoke Detector:

- Locate the "Sync" button on the FireAvert control unit.
- Press and hold the "Sync" button. The LED indicator will change color or flash to indicate syncing mode.
- While holding the "Sync" button, activate your smoke detector's test button. The FireAvert unit will listen for the smoke alarm's sound signature.
- Once synced, the LED indicator will confirm successful pairing (e.g., solid green light). Release the "Sync" button.

5. **Test Functionality:** After syncing, test the system by activating your smoke detector. The FireAvert should detect the alarm and shut off the gas supply to your stove. The stove will no longer receive gas.



Figure 7: Operational flow of the FireAvert system from smoke detection to gas shut-off.

6. **Push Stove Back:** Carefully push your stove back into its original position, ensuring no wires or gas lines are pinched.

## 5. OPERATING INSTRUCTIONS

Once installed and synced, the FireAvert device operates automatically:

- **Automatic Gas Shut-Off:** When your smoke detector sounds an alarm, the FireAvert control unit's microphone detects the specific sound signature.
- **Gas Flow Interruption:** Upon detection, the FireAvert sends a signal to the gas solenoid valve, causing it to close and immediately stop the flow of gas to your stove.
- **Visual Indicator:** The LED indicator on the control unit will change to indicate an alarm state (e.g., flashing red).
- **Resetting the Device:** After the smoke alarm has ceased and the situation is resolved, you can reset the

FireAvert device. Press the reset button on the control unit. This will reopen the gas solenoid valve, restoring gas flow to your stove.

## 6. MAINTENANCE

- **Regular Testing:** Test your FireAvert device monthly by activating your smoke detector. Ensure the gas flow to your stove is interrupted.
- **Smoke Detector Maintenance:** Follow your smoke detector manufacturer's guidelines for testing and battery replacement.
- **Cleaning:** Keep the FireAvert control unit clean and free from dust. Use a soft, dry cloth. Do not use liquid cleaners.
- **Environmental Check:** Periodically check that the device is not exposed to excessive heat, humidity, or dust, which can affect its performance.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
FireAvert does not shut off gas when smoke alarm sounds.	Not properly synced. Smoke detector not functioning. Microphone obstructed or too far from smoke detector.	Re-sync the device with your smoke detector (refer to Section 4.2). Test your smoke detector. Replace batteries or the unit if necessary. Ensure the FireAvert unit is within audible range of the smoke detector and its microphone is clear.
Gas flow is off, but no smoke alarm sounded.	False alarm from smoke detector. External loud noise mimicking alarm. Power interruption.	Reset the FireAvert device. Consider replacing an older smoke detector prone to false alarms with an optical type, especially in kitchen areas. Check power connection to the FireAvert unit.
FireAvert unit does not fit behind the stove.	Limited clearance behind the stove or unusual outlet placement.	Ensure the unit is oriented correctly. If clearance is insufficient, a specialized extension cord or adapter may be required (contact FireAvert support for recommendations).
LED indicator is not lit or flashing as expected.	No power to the unit. Unit malfunction.	Check the wall outlet and ensure the FireAvert is securely plugged in. Contact FireAvert customer support.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	FireAvert-CA
Brand	FireAvert
Style	Gas Connection (1/2" Pipe Line)
Color	Red
Item Weight	2.22 Pounds (approx. 1.01 kg)
Product Dimensions	0.39 x 0.39 x 0.39 inches (approx. 1 x 1 x 1 cm) <i>-Note: This dimension seems incorrect based on product images, likely refers to packaging or internal component. Actual unit is approx. 3.75 x 3 x 3.75 inches.</i>
Alarm Type	Audible (sound isolation sensor)
Operating Humidity	Up to 80% (non-condensing)
Upper Temperature Rating	90 Degrees Celsius (194 Degrees Fahrenheit)
UPC	860001648225
Batteries Required	No

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or assistance with installation, please contact FireAvert customer service.

- **Website:** [www.fireavert.com](http://www.fireavert.com)
- **Phone:** 800-877-0870

Please have your model number (FireAvert-CA) and purchase date available when contacting support.