

Touchstone 80045

Touchstone Sideline Infinity Pro 50-inch Electric Fireplace Instruction Manual

Model: 80045

1. INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Touchstone Sideline Infinity Pro 50-inch WiFi-Enabled Electric Fireplace, Model 80045. Please read all instructions carefully before installation and use to ensure proper function and safety.



Image 1: Front view of the Touchstone Sideline Infinity Pro 50-inch Electric Fireplace, showcasing realistic flames and ember bed media.

2. IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury to persons.

- Read all instructions before using this fireplace.
- This fireplace is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 feet (0.9 meters) from the front of the

fireplace and keep them away from the sides and rear.

- Extreme caution is necessary when any fireplace is used by or near children or invalids and whenever the fireplace is left operating and unattended.
- Do not operate any fireplace with a damaged cord or plug or after the fireplace malfunctions, has been dropped or damaged in any manner.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic area and where it will not be tripped over.
- Connect to properly grounded outlets only.
- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the fireplace.
- To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked.
- This fireplace has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable vapors or liquids are used or stored.
- Use this fireplace only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- Always plug fireplaces directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).
- This fireplace is intended for indoor use only.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- Touchstone Sideline Infinity Pro 50-inch Electric Fireplace Unit
- Remote Control
- Driftwood Log Set
- Painted Crushed Glass Crystals (Ember Bed Media)
- Mounting Hardware (screws, anchors, etc.)
- Instruction Manual

4. PRODUCT SPECIFICATIONS

Brand	Touchstone
Model Name	Sideline Infinity Pro
Model Number	80045
Product Dimensions (D x W x H)	9.25" x 49.75" x 17.25"
Material	Alloy Steel, Glass
Installation Type	Recessed (Built-in)
Power Source	Corded Electric (3-prong outlet)

Heat Output	1500W/750W (5000 BTU)
Heating Coverage	Up to 400 sq. ft.
Special Features	Adjustable Thermostat, Crackle Speaker, Overheat Protection, WiFi, Alexa Compatible, App Control, Remote Control, 6 Flame Colors, 13 Downlighting Colors, 13 Ember Bed Colors, Programmable Timer
Item Weight	69 pounds



Image 2: Side view of the fireplace unit, illustrating its depth and overall dimensions.



Customer Antony

Image 3: Detailed view of the fireplace depth, measuring 9 1/4 inches.

5. INSTALLATION

5.1 Pre-Installation Considerations

- Ensure the installation location is clear of obstructions and combustible materials.
- Verify that the electrical supply meets the fireplace requirements (120V, 15 Amp dedicated circuit recommended).
- This unit is designed for recessed (built-in) installation.
- The fireplace offers 4 display options: 3-sided, left-visible, right-visible, or front-only. Plan your rough opening accordingly.

5.2 Rough Opening Dimensions

For proper recessed installation, create a rough opening with the following dimensions:

Width: 50 inches

Height: 17 1/2 inches

Depth: 9 3/4 inches

Rough Opening Dimensions



Image 4: Diagram illustrating the required rough opening dimensions for built-in installation.

5.3 Electrical Connection

The unit can be connected via a standard 3-prong plug into a grounded outlet or hardwired by a qualified electrician. Refer to local electrical codes for hardwiring procedures.

5.4 Media Installation

Carefully place the provided driftwood logs and painted crushed glass crystals onto the ember bed. Arrange them to your preference for a realistic appearance.

Flexible Heating System

The Sideline Infinity provides heat that takes the edge off a cool bedroom, family room or basement. It has two heat settings, a thermostat mode (**68-88°F**), and can add warmth to a room of up to **400 sq. ft.** Control the heat settings using the remote, app or the built-in heat timer.



Set a timer
30 min - 9 hours



Thermostat
control option



Enjoy with
or without
heat function

Image 5: The included media options, consisting of painted crushed glass crystals and a set of realistic driftwood logs, ready for placement in the ember bed.

6. OPERATION

Your Sideline Infinity Pro fireplace can be controlled using the integrated touchscreen panel, the included remote control, or the dedicated smartphone application.

6.1 Control Panel Guide

The control panel is located on the top right of the fireplace unit. Each icon corresponds to a specific function:

Simple Operation



Touchstone® Smart Electric Fireplace

Touchstone's smart-enabled electric fireplaces are designed to seamlessly integrate into your way of life. Operate it using the included remote, the built-in control panel, the free Touchstone app, or your Alexa or Google smart home device.

Versatile Control Options



App Enabled



Remote Controlled



Control Panel



Works with:
Amazon Alexa®
and Google Home®



Image 6: Detailed guide to the fireplace's integrated control panel, showing icons for Display, Thermostat, Timer, Heat, Flame Color, Flame Brightness, Power, and Wi-Fi.

- **Display:** Shows current settings.
- **Thermostat:** Adjusts desired room temperature (68-88°F).
- **Timer:** Sets automatic shut-off (30 minutes to 9 hours).
- **Heat:** Activates/deactivates the heater (1500W/750W).
- **Flame Color:** Cycles through 6 flame color options.
- **Flame Brightness:** Adjusts flame intensity.
- **Power:** Turns the fireplace ON/OFF.
- **Wi-Fi:** Activates Wi-Fi connectivity for app control.

6.2 Remote Control Functions

The included remote control provides convenient access to all fireplace functions from a distance.

Choose From 13 Ember Bed, 13 Downlighting and 6 Flame Colors on Your Sideline Infinity Pro

To Match Your Style



Included Media Options



Painted crushed glass crystals



Driftwood

Select From

- 5 flame speeds & flame Intensity – 5 levels plus off
- Ember bed Intensity with - 4 levels plus pulsing bed setting
- 78 color combinations



Image 7: The remote control for the Touchstone Sideline Infinity Pro, showing buttons for Power, Crackle Speaker Volume, Downlight Color, Ember Brightness, Flame Brightness, Flame Speed, Thermostat, Hi/Low Heat, Timer, Ember Bed Color, and Flame Color.

6.3 Smartphone App and Smart Home Integration

The Sideline Infinity Pro is WiFi-enabled and compatible with a smartphone app (Tuya Smart app) and smart home systems like Amazon Alexa and Google Home. This allows for remote control and voice commands for various settings.

- Download the Tuya Smart app from your device's app store.
- Follow the in-app instructions to connect your fireplace to your home Wi-Fi network.
- Once connected, you can control flame color, temperature, timers, and other settings via the app or integrated smart home devices.

6.4 Flame and Lighting Customization

The fireplace offers extensive customization options for ambiance:

- **Flame Colors:** Choose from 6 distinct flame color options.
- **Flame Speed & Intensity:** Adjust 5 flame speeds and intensity levels.
- **Ember Bed Colors:** Select from 13 ember bed colors with 4 predefined levels plus a pulsating setting.
- **Down Lighting:** Enhance the display with 13 downlighting colors.

- **Crackle Sound:** Activate the built-in crackle sound feature with adjustable volume for added realism.

Sideline Infinity Pro Series

13 Downlighting Colors

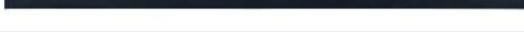


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Image 8: Visual representation of the 6 available flame color options, demonstrating the fireplace's customizable ambience.

Sideline Infinity Pro Series

13 Ember Bed Colors



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Image 9: Visual representation of the 13 available downlighting color options, enhancing the fireplace's customizable display.



Sideline Infinity Pro Depth

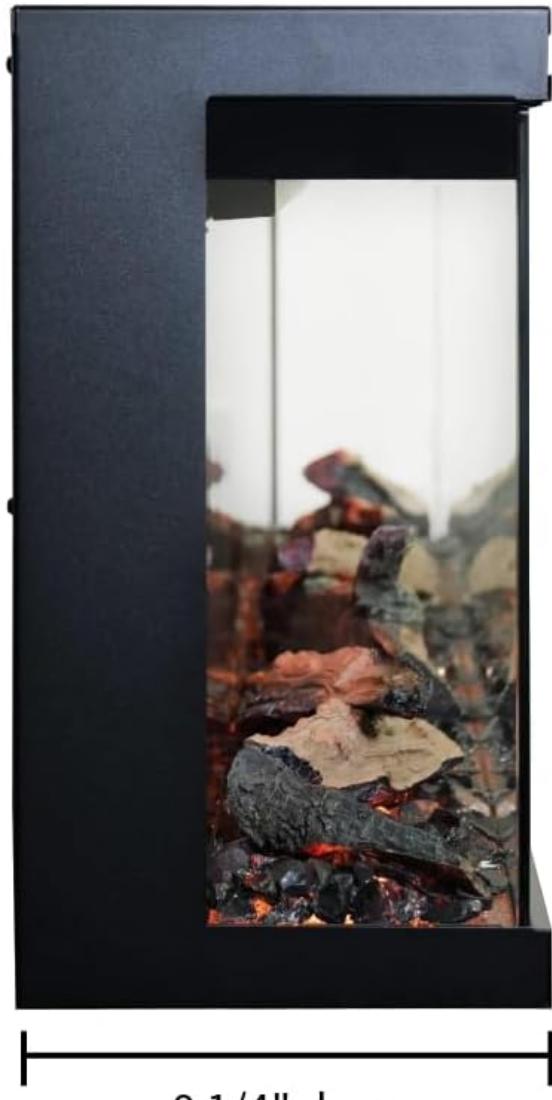


Image 10: Visual representation of the 13 available ember bed color options, allowing for diverse aesthetic preferences.

6.5 Heating System

The integrated heater provides supplemental warmth for rooms up to 400 sq. ft. The heat function can be used independently of the flame effects.

- **Heat Settings:** Choose between 1500W (high) and 750W (low) heat output.
- **Thermostat:** Set your desired temperature between 68°F and 88°F. The heater will cycle ON/OFF to maintain this temperature.
- **Timer:** Program the heater to turn off automatically after a set period, from 30 minutes to 9 hours.

Sideline Infinity Pro Series

6 Flame Colors

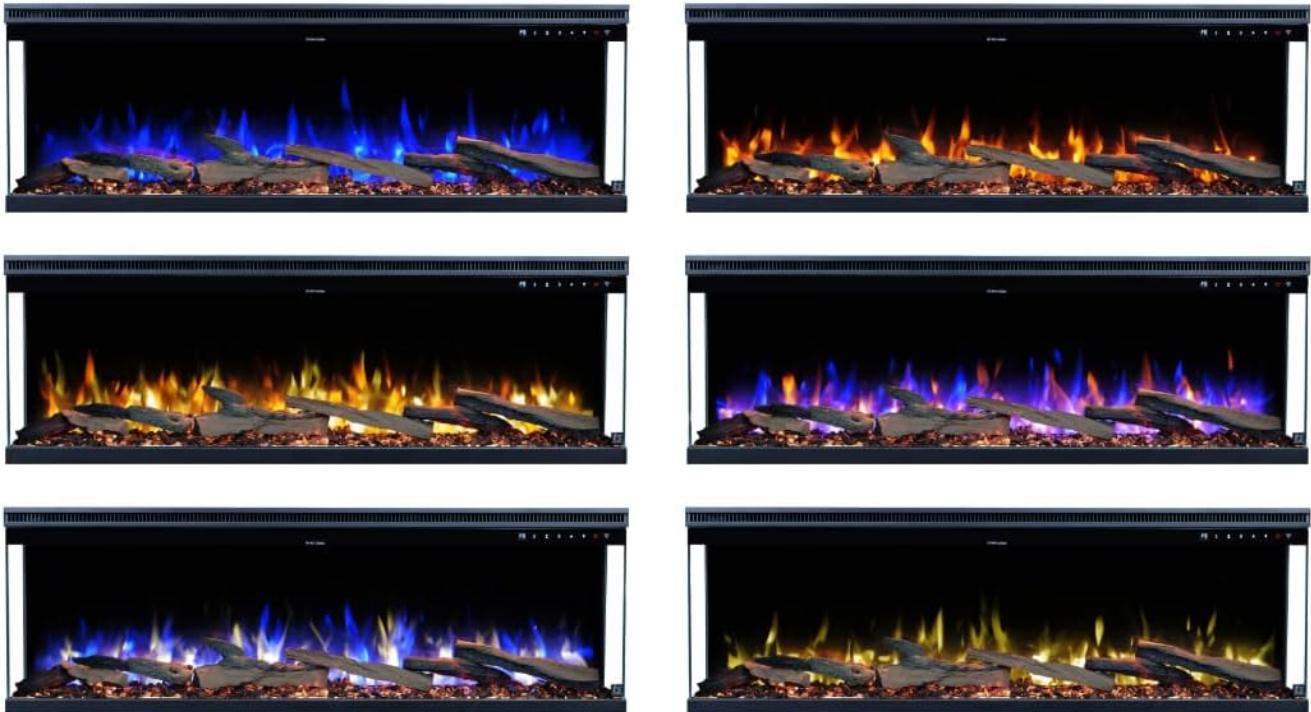


Image 11: Overview of the flexible heating system, highlighting the timer, thermostat control, and the option to use flames with or without heat.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your electric fireplace.

- **Cleaning:** Ensure the fireplace is turned OFF and unplugged before cleaning. Use a soft, damp cloth to clean the exterior surfaces. Do not use abrasive cleaners or sprays.
- **Glass Panel:** Clean the glass panel with a soft cloth and a non-abrasive glass cleaner.
- **Ventilation Openings:** Periodically check and clean the air intake and exhaust openings to ensure they are free from dust and debris. Blocked openings can lead to overheating.
- **Light Bulbs:** The flame effect uses LED technology, which typically does not require replacement.

8. TROUBLESHOOTING

If you experience issues with your fireplace, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Fireplace does not turn ON.	No power supply; Power cord not fully plugged in; Circuit breaker tripped.	Ensure unit is plugged into a grounded outlet. Check household circuit breaker.
No heat output.	Heater function is OFF; Thermostat set too low; Overheat protection activated.	Activate heater function. Increase thermostat setting. Unplug unit for 5 minutes to reset overheat protection. Ensure vents are not blocked.
Flames are not visible or dim.	Flame brightness set too low; Flame effect is OFF.	Adjust flame brightness using the control panel or remote. Ensure flame effect is ON.
Remote control not working.	Batteries are dead or incorrectly inserted; Remote is too far from the unit.	Replace batteries (2 AAA). Ensure line of sight to the fireplace sensor.
Wi-Fi connection issues.	Incorrect Wi-Fi password; Router too far; App not properly configured.	Re-enter Wi-Fi password in the app. Move router closer or use a Wi-Fi extender. Reconfigure the device in the Tuya Smart app.

9. WARRANTY AND CUSTOMER SUPPORT

9.1 Warranty Information

This Touchstone Sideline Infinity Pro electric fireplace comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official Touchstone website for detailed terms and conditions.

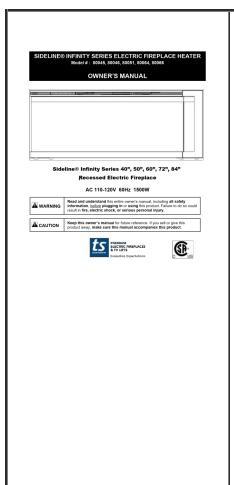
9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Touchstone Home Products customer support:

Website: www.touchstonehomeproducts.com

Phone: Refer to the contact information on the Touchstone website or your product packaging.

Related Documents - 80045

	<p>Touchstone Sideline® Infinity Series Electric Fireplace Owner's Manual</p> <p>This owner's manual provides comprehensive guidance for the Touchstone Sideline® Infinity Series electric fireplaces, including installation, operation, safety, and maintenance for models 80045, 80046, 80051, 80064, and 80066.</p>
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 SIDELINE ELITE OUTDOOR/INDOOR SERIES ELECTRIC FIREPLACE HEATER OWNER'S MANUAL Sideline® Elite Outdoor/Indoor Series Recessed Electric Fireplace AC 115V-120V 60Hz 1500W WARNING Read and understand these instructions completely before operating this unit. Failure to do so can result in serious injury or death. CAUTION This unit is not a toy. Keep it out of reach of children. Do not let children play with this unit. NOTICE Save this owner's manual for future reference. If you sell or give away this unit, make sure to include this manual. ts Touchstone Engineering Design Manufacturing	<p>Touchstone Sideline Elite 60" Outdoor/Indoor Recessed Electric Fireplace Owner's Manual & Installation Guide</p> <p>Comprehensive owner's manual and installation guide for the Touchstone Sideline Elite 60-inch recessed electric fireplace (Model 80049). Learn about safety, installation, operation, and maintenance.</p>
 OWNER'S MANUAL Sideline® Outdoor/Indoor 50" Recessed Electric Fireplace AC 115V-120V 60Hz 1500W WARNING Read and understand these instructions completely before operating this unit. Failure to do so can result in serious injury or death. CAUTION This unit is not a toy. Keep it out of reach of children. Do not let children play with this unit. NOTICE Save this owner's manual for future reference. If you sell or give away this unit, make sure to include this manual. ts Touchstone Engineering Design Manufacturing	<p>Touchstone Sideline 50" Outdoor/Indoor Electric Fireplace: Owner's Manual & Installation Guide</p> <p>Comprehensive owner's manual for the Touchstone Sideline 50-inch Outdoor/Indoor Recessed Electric Fireplace (Model 80017). Includes safety information, installation instructions (recessed and wall-mounted), operation, maintenance, and warranty details.</p>
 SIDELINE® Series Electric Fireplace Heater OWNER'S MANUAL Sideline® Series Electric Fireplace Heater AC 115V-120V 60Hz 1500W WARNING Read and understand these instructions completely before operating this unit. Failure to do so can result in serious injury or death. CAUTION This unit is not a toy. Keep it out of reach of children. Do not let children play with this unit. NOTICE Save this owner's manual for future reference. If you sell or give away this unit, make sure to include this manual. ts Touchstone Engineering Design Manufacturing	<p>Touchstone Sideline Series Electric Fireplace Heater Owner's Manual</p> <p>This manual provides detailed instructions for the installation, operation, and maintenance of the Touchstone Sideline Series Electric Fireplace Heater. It covers safety precautions, dimensional drawings for various models, unpacking and setup, installation procedures (recessed and wall-mounted), operating the fireplace via control panel and remote, care and cleaning, and warranty information.</p>
 SIDELINE SERIES ELECTRIC FIREPLACE HEATER Model # 800411, 800412, 800413, 800414 OWNER'S MANUAL Sideline® Series Recessed Electric Fireplace AC 115V-120V 60Hz 1500W WARNING Read and understand these instructions completely before operating this unit. Failure to do so can result in serious injury or death. CAUTION This unit is not a toy. Keep it out of reach of children. Do not let children play with this unit. NOTICE Save this owner's manual for future reference. If you sell or give away this unit, make sure to include this manual. ts Touchstone Engineering Design Manufacturing	<p>Touchstone Sideline Series Recessed Electric Fireplace Owner's Manual</p> <p>This owner's manual provides comprehensive instructions for the installation, operation, and maintenance of the Touchstone Sideline Series Recessed Electric Fireplace. It includes safety warnings, model specifications, and troubleshooting tips.</p>
 SIDELINE® SERIES ELECTRIC FIREPLACE HEATER Model # 80004, 80005, 80006, 80007, 80008 OWNER'S MANUAL Sideline® Series Electric Fireplace AC 115V-120V 60Hz 1500W WARNING Read and understand these instructions completely before operating this unit. Failure to do so can result in serious injury or death. CAUTION This unit is not a toy. Keep it out of reach of children. Do not let children play with this unit. NOTICE Save this owner's manual for future reference. If you sell or give away this unit, make sure to include this manual. ts Touchstone Engineering Design Manufacturing	<p>Touchstone Sideline Series Electric Fireplace Owner's Manual & Installation Guide</p> <p>Comprehensive owner's manual for Touchstone Sideline Series Recessed Electric Fireplaces (Models 80004-80032). Includes installation, operation, safety, and maintenance instructions.</p>