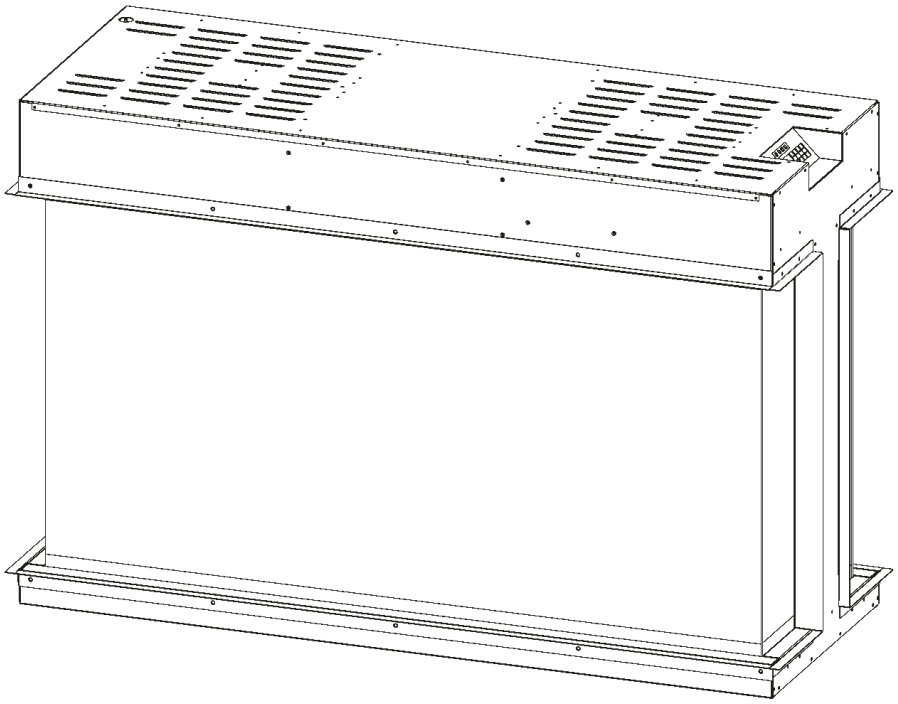
NOVA® CLEAR
MODEL #: NOVA48-CLR

OWNER'S / INSTALLATION MANUAL

MODERN FLAMES®
ELECTRIC FIREPLACES



AC 120 V 60 Hz 1200 W (4100 BTU's)
AC 240 V 60 Hz 2400 W (8200 BTU's)

Read and understand this entire owner's manual, including **all safety information,** before **plugging in** or **using** this product. Failure to do so could result **in fire, electric shock, or serious personal injury.**

Keep this owner's manual for future reference. If you sell or give this product away, **make sure this manual accompanies this product.**

AFFIX SERIAL NUMBER LABEL HERE
FOR FUTURE REFERENCE

C ETL US LISTED
5023705

07-00214

IMPORTANT SAFETY INFORMATION!

- Read all instructions before installing or using this heater.
- Use a dedicated 15 amp minimum circuit. A 20 amp circuit is preffered. For 240V splitphase dual-heater operation (8,200 BTU's), use a dedicated 2-pole circuit breaker.
- This heater is hot when in use. To avoid burns, DO NOT let bare skin touch hot surfaces. If provided, use handles when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 feet (0.9m) from the front of the heater and keep them away from the sides and rear.
- Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- Do not operate any heater if it malfunctions. Disconnect power at service panel and have the heater inspected by a reputable electrician before reusing.
- To disconnect the heater, turn the controls to off, and turn off power to the heater circuit at the main disconnect panel (or operate internal disconnect switch if provided).
- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock, fire, or damage the heater.
- To prevent a possible fire, do not block air intakes or exhaust in any manner.
- A heater has hot arcing or sparking parts inside. Do not use in areas where gasoline, paint, flammable vapors, or liquids are used or stored.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- This heater may include an audible or visual alarm to warn that parts of the heater are getting excessively hot. If the alarm sounds (or illuminates), immediately turn the heater off and inspect for any objects on or adjacent to the heater that may have blocked the airflow or otherwise caused high temperatures to have occurred. DO NOT OPERATE THE HEATER WITH THE ALARM SOUNDING (OR ILLUMINATING).
- ALWAYS plug heaters directly into a wall outlet/receptacle. NEVER use with an extension cord or relocatable power tap (outlet/power strip).
- NEVER use this heater in bathrooms, laundry rooms, or any other location where the heater could fall into a bathtub, pool, become damp, or come in contact with water.
- AVOID FIRE! Regularly inspect all air vents to make sure they are free from dust, lint, or other blockage. Unplug the unit and clean with a vacuum ONLY. DO NOT rinse or get wet.
- ALWAYS mount to wall bracket before use. DO NOT set on the floor, or other surface, to use.
- NEVER use a wall mount bracket from another manufacturer.
- This product is not intended to be a primary heat source. It is for supplemental heat only.
- ALWAYS disconnect this unit from the power supply before performing any assembly, cleaning, or before relocating the electric fireplace.
- NEVER leave this heater unattended. ALWAYS unplug this heater when not in use.
- ALWAYS store this heater in a dry location. NEVER use the fireplace if it has become wet.
- NEVER plug this heater into an outlet that is old, cracked, or has loose wires or connections. Plugging this heater into a faulty outlet could result in electric arcing within the outlet that could cause the outlet to overheat or catch fire.

IMPORTANT SAFETY INFORMATION!

- ALWAYS check your heater cord and plug connections with each use.
    i) MAKE SURE the plug fits tightly in the outlet. Faulty wall outlet connections or loose plugs can cause the outlet to overheat.
    ii) Heaters draw more current than small appliances. Overheating may occur even if it has not occurred with the use of other appliances.
    iii) During use, check frequently to see if the plug outlet or face plate is HOT.
    iv) If the outlet or face plate is HOT, discontinue use immediately and have a qualified electrician inspect and/or replace the faulty outlets.

FCC COMPLIANCE STATEMENT

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.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

For Fireplaces:
FCC Radiation Exposure Statement
The device has been evaluated to meet general RF exposure requirement.
The device can be used in mobile(min20cm) exposure condition.

For Remote:
FCC Radiation Exposure Statement
The device has been evaluated to meet general RF exposure requirement.
The device can be used in portable exposure condition without restriction.

SAVE THESE INSTRUCTIONS

Table of Contents

PREPARATION 5

PARTS AND HARDWARE 5

DIMENSIONS AND SPECIFICATIONS 6

GLASS REMOVAL/INSTALLATION 7

SIDE GLASS INSTALLATION 8

INSTALLATION STYLES 9

BUILT-IN INSTALLATION FRAMING 10-11

BUILT-IN INSTALLATION 12-13

HARDWIRING INSTALLATION 14-15

HEATER CONFIGURATION 16-17

LIT LOG AND CRUSHED GLASS INSTALLATION 18

SOUND MODES 19

LOG LIGHTING 19

OPERATION 20

- OPERATION: TOUCH CONTROL PANEL 21
- OPERATION: REMOTE CONTROL 22-23
- OPERATION: ON SCREEN CONTROLS 24-29
- OPERATION: SMART PHONE APP 30
- OPERATION: STREAMING DEVICES 31-32
- OPERATION: IMPORTANT WARNINGS 33

CARE, CLEANING AND MAINTENANCE 34

REPLACEMENT PARTS LIST 35

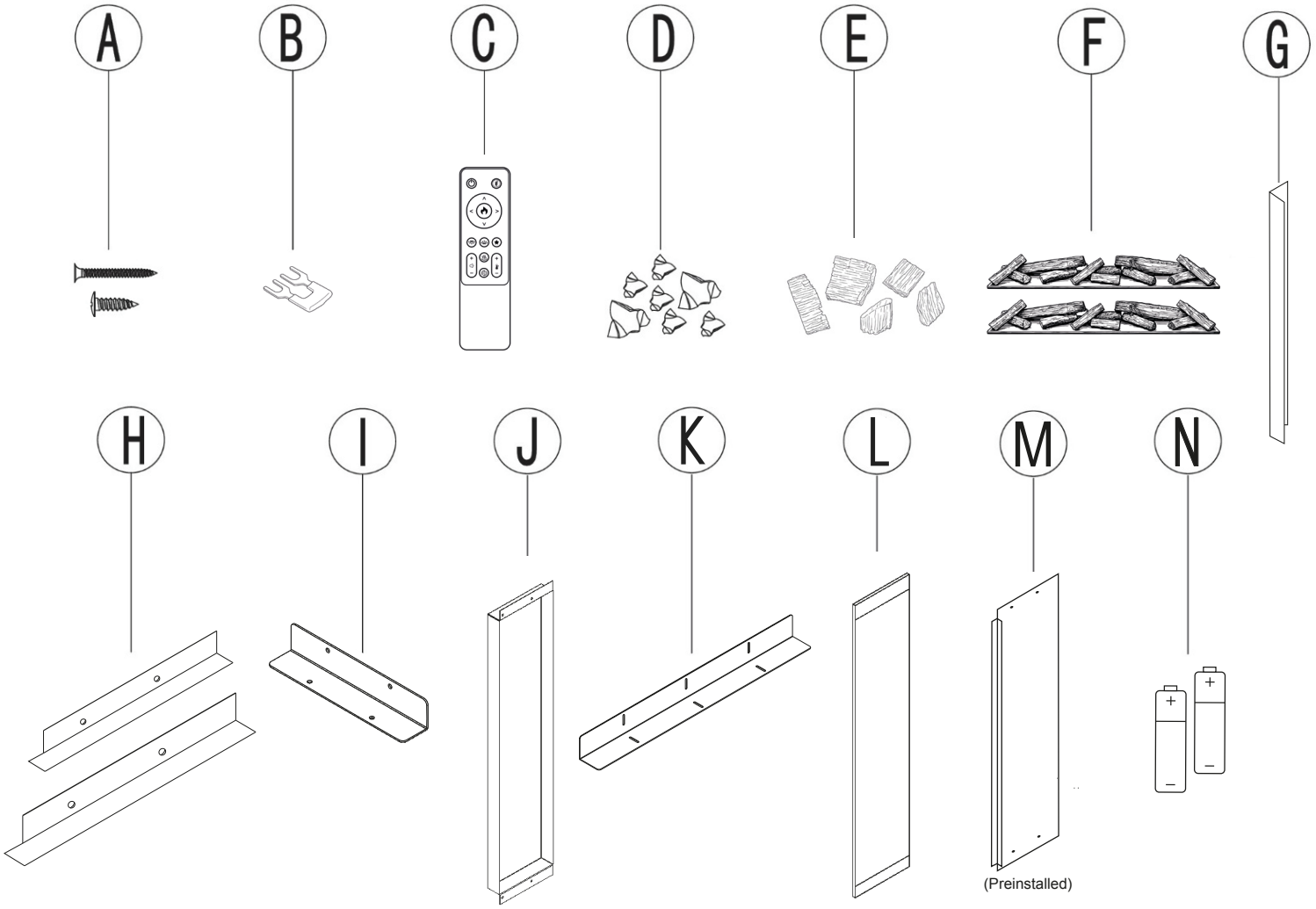
Preparation

Fireplace flame screen has a protective plastic film to protect during shipping and installation. Once installed, gently remove protective plastic film from the front and back, ensuring not to damage film.

Remove all parts and hardware from the carton and place them on a clean, soft, dry surface. Check the parts list to make sure nothing is missing. Dispose of packaging materials properly. Please recycle whenever possible.

Note: Ember bed acrylic and glass may have protective film on both sides. Ensure to check prior to installing.

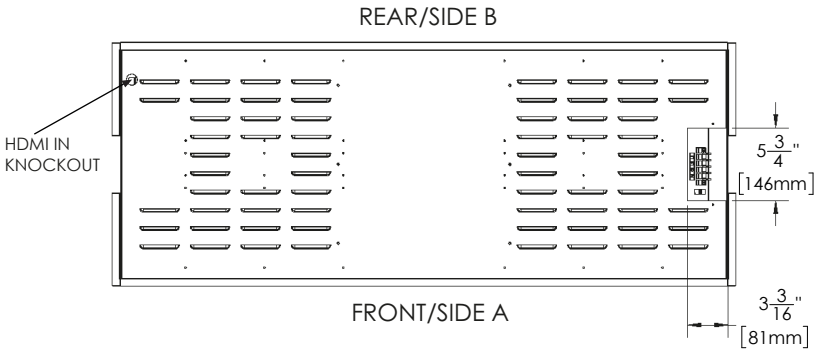
Parts and Hardware

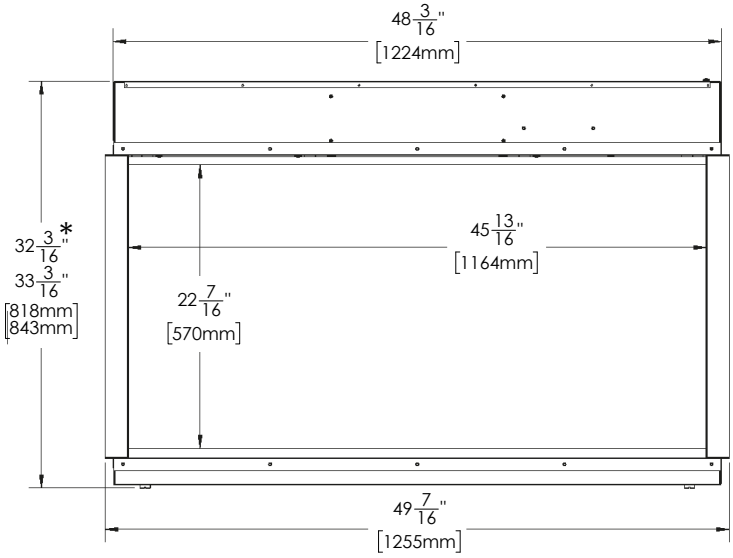


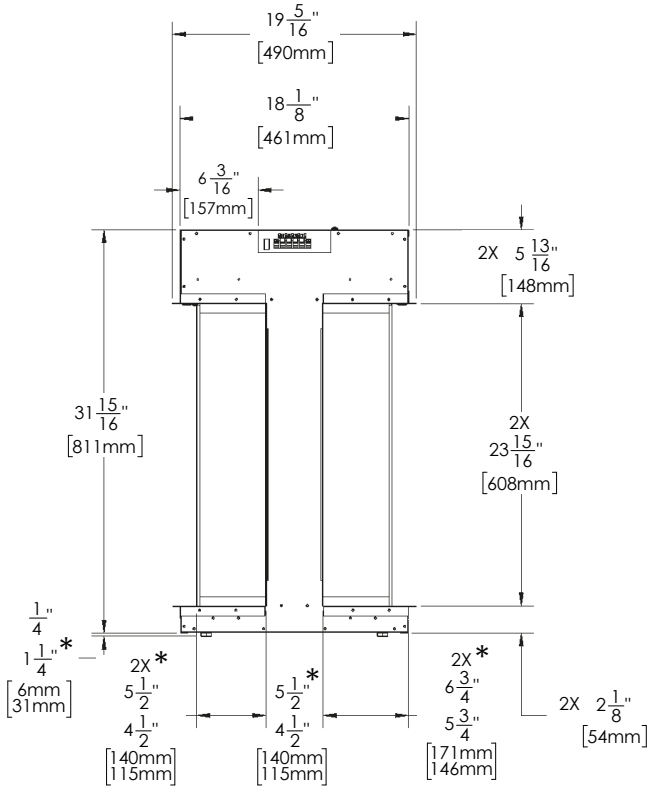
PART NO.	DESCRIPTION
A	Screw Kit
B	Power Jumper
C	Remote Control
D	Crushed Glass
E	Wood Chips
F	Lit Log Set
G	Vertical Drywall Stop

PART NO.	DESCRIPTION
H	2x4 & 2x6 Drywall stops
I	Cabinet Mounting Brackets
J	Side Filler Trim
K	"L" Metal Installation Brackets
L	Side Glass
M	Single Sided Install Panels
N	AAA Batteries

Dimensions and Specifications







* *Measurements are adjustable*

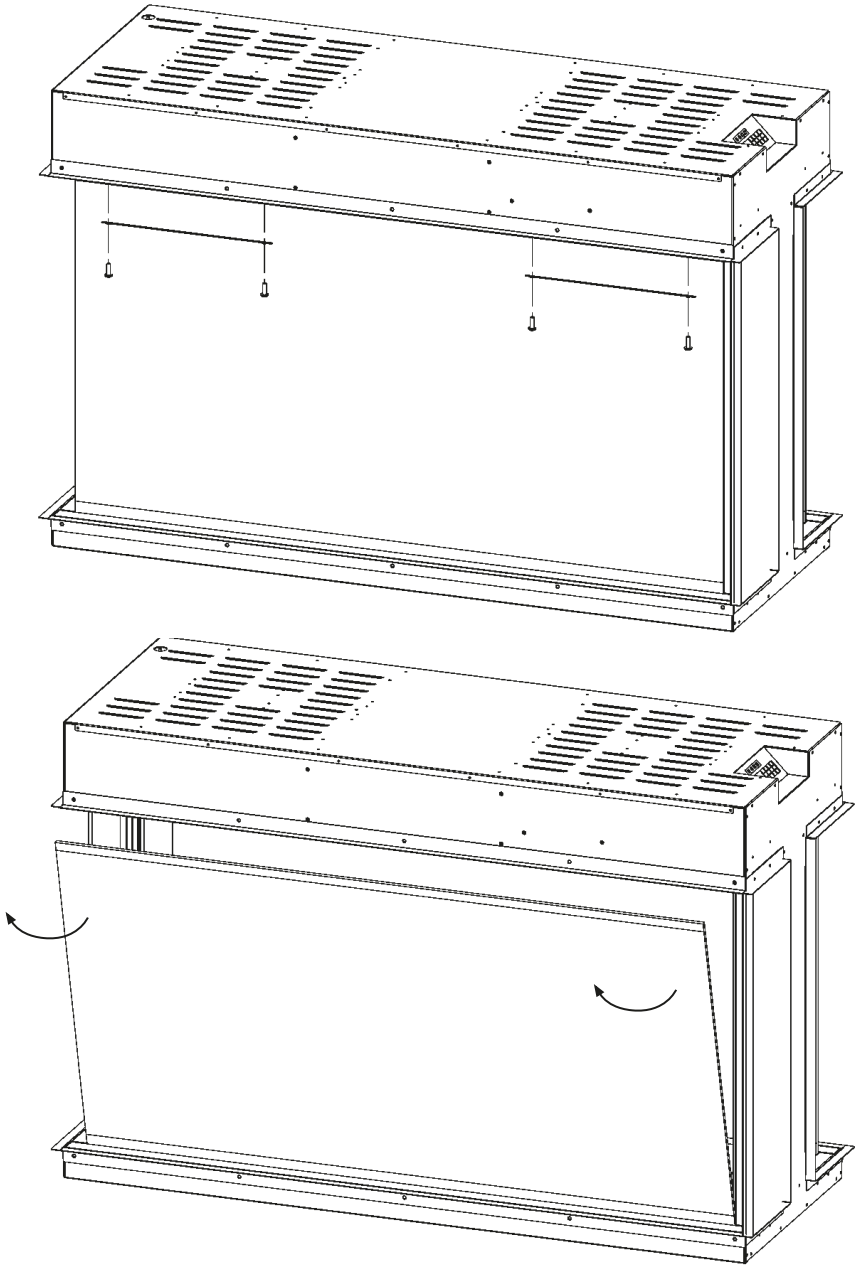
Note: Use this page for appliance size and orientation. Fireplace serial number is located within the viewing area of the front side of the fireplace. It is on the right access panel.

Glass Removal/Installation

This product includes a GLASS panel. Always use extreme caution when handling glass. Failure to do so could result in personal injury or property damage.

Removing Front and Back Glass

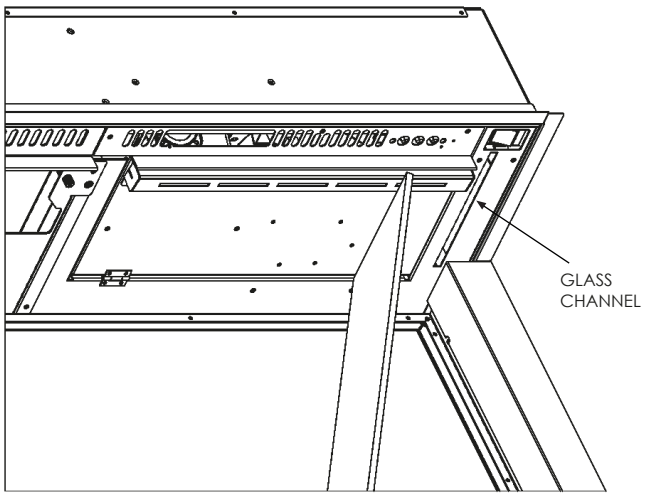
- With one hand on the front glass to prevent it from falling, remove the four screws (two per bracket) and two brackets from the underside of the viewing area of the fireplace. Set the screws and brackets aside.
- Carefully tilt the top edge of the glass away from the appliance. Once the top edge of the glass is free from the fireplace, lift the glass to fully remove it. Place the glass on a soft, nonabrasive surface.
- Reverse these steps to re-install the front and back glass.

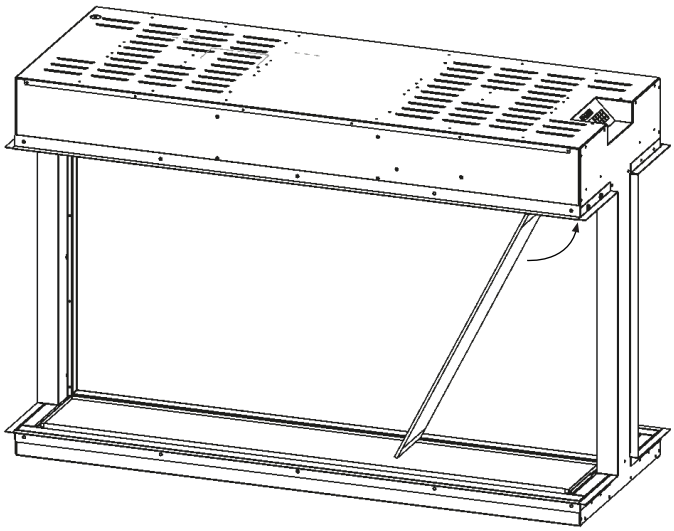


Side Glass Installation

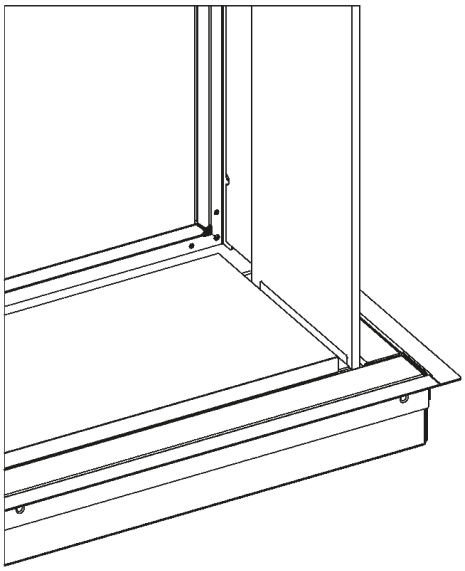
Adding the Side Glass

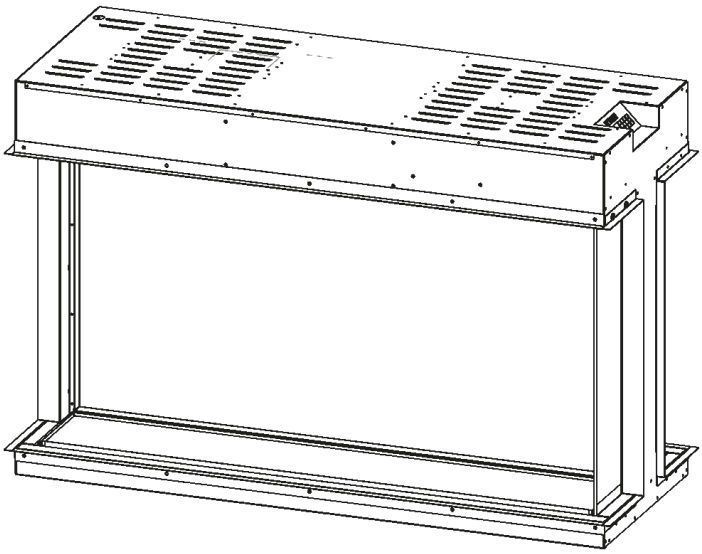
- Remove the side glass pieces (4 pieces) from the accessories box and unwrap the protective plastic.
- With the front glass removed, insert the side glass at an angle, inside the viewing area of the fireplace.
- Insert the top of the side glass into the glass channel and rotate the bottom of the glass until it is vertical.





- Once vertical, gently place the bottom of the side glass in the bottom channel, next to the ember bed.
- Repeat for all four pieces of side glass.

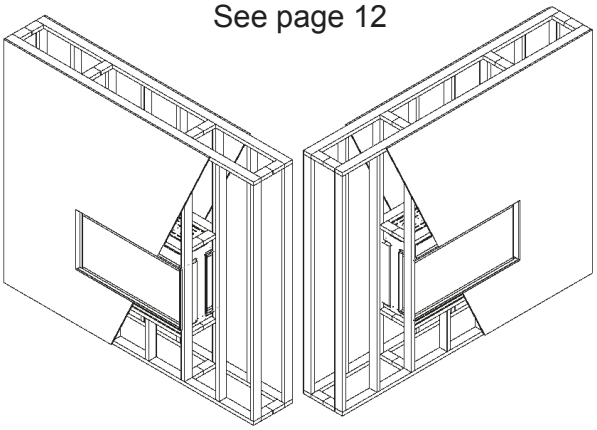




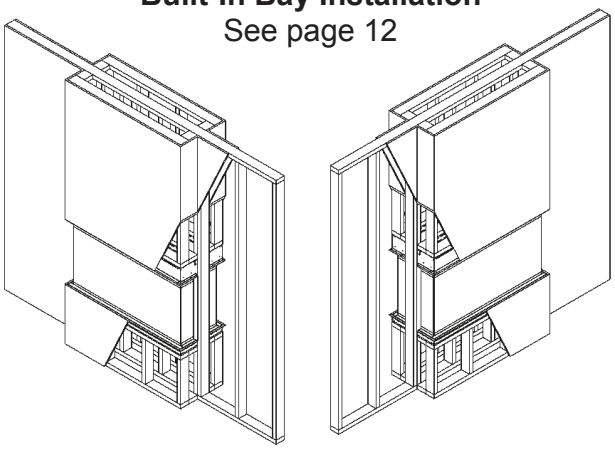
Installation Styles

These are the most common installation styles and can be used in any configuration.
Follow the installation section below.

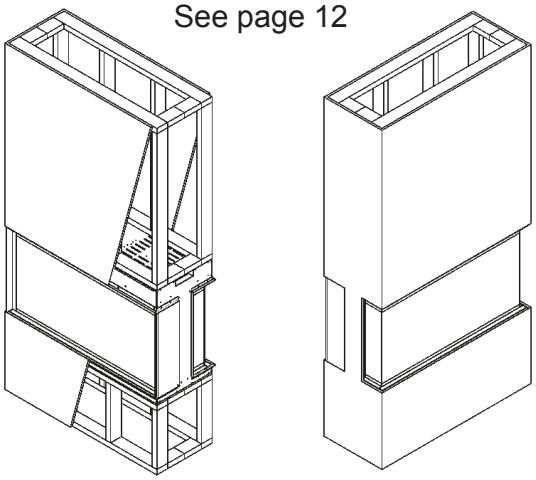
Built-In Single-Sided Installation
See page 12



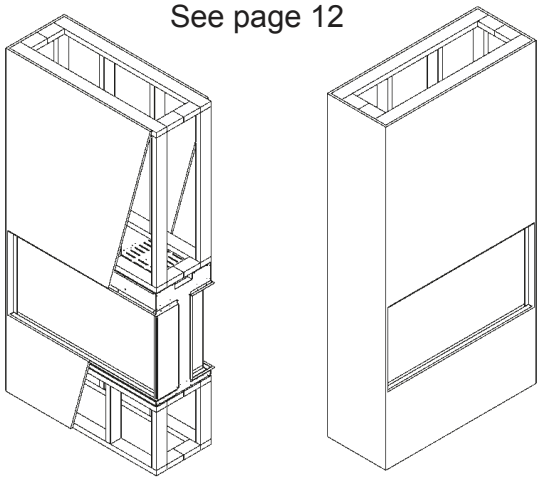
Built-In Bay Installation
See page 12



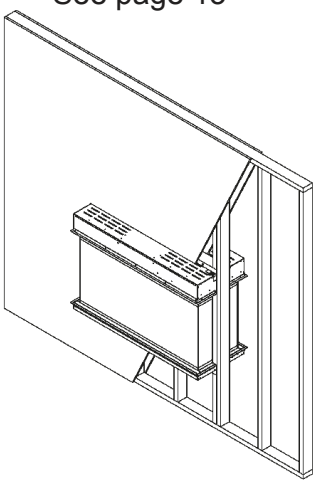
Island Bay Installation
See page 12



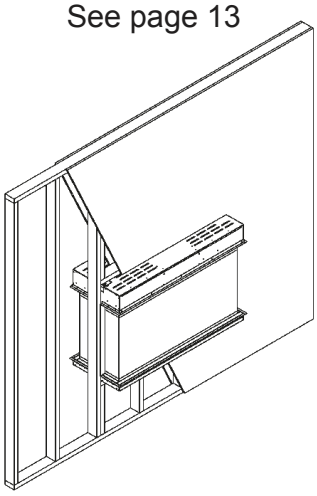
Island Single-Sided Installation
See page 12



Floating 2x4 Wall Installation
See page 13



Floating 2x6 Wall Installation
See page 13



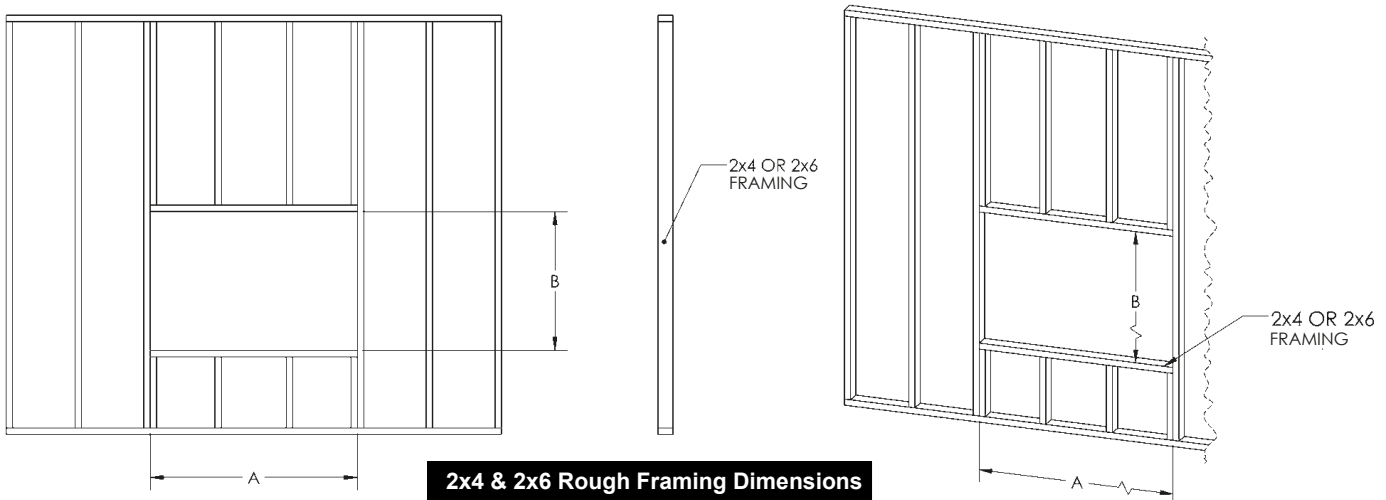
For wall depth & position, see pages 10 & 11. Use page 6 for appliance dimensions.

Built-In Installation Framing

⚠	Due to different materials used on different walls, it is highly recommended that you consult with your local builder before you install this electric fireplace.
⚠	Before cutting any custom finishings (i.e. granite, marble, veneer, etc.) it is recommended to double-check the dimensions of the actual fireplace.

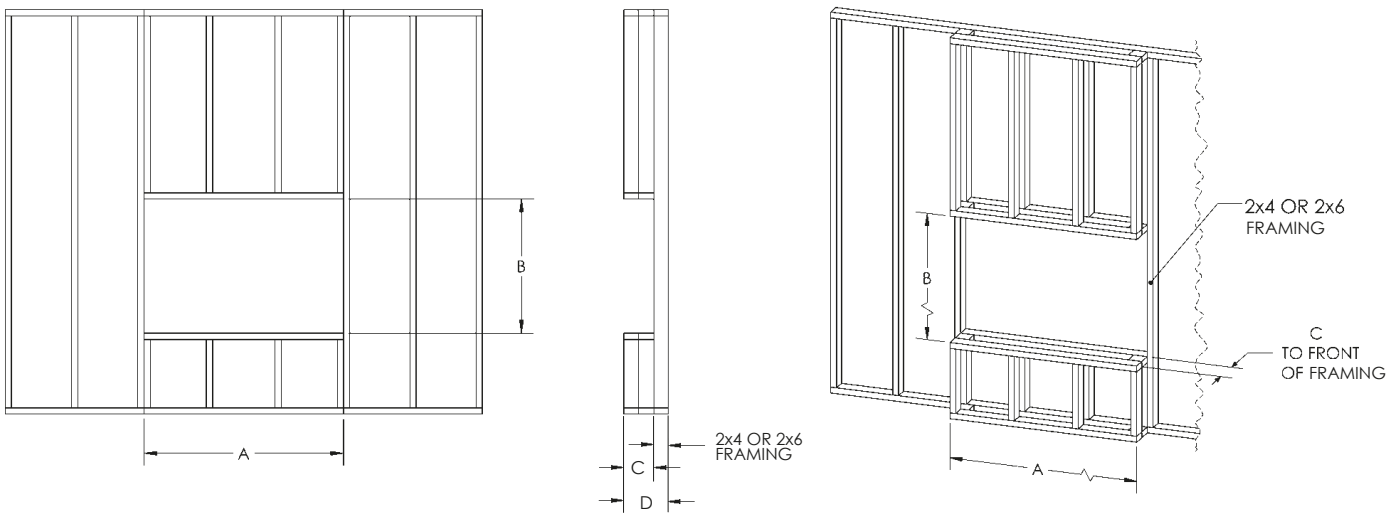
- Select a location that is not prone to moisture and is located at least 36" (914 mm) away from combustible materials such as curtain drapes, furniture, bedding, paper, etc.
- Measure the appliance and create a rough-in frame with electrical (see “Rough Framing Dimensions”). Electrical to be at the top right of the rough-in framing.
- Remove the front glass (see “Glass Removal/Installation” section).
- Hold the appliance up to ensure it will fit into the framing.
- Framing illustrations are for reference only. Consult your local building codes for appropriate framing instructions.

FLOATING



2x4 & 2x6 Rough Framing Dimensions	
A	B
48-5/16" [1227mm]	32-3/8" [822mm]

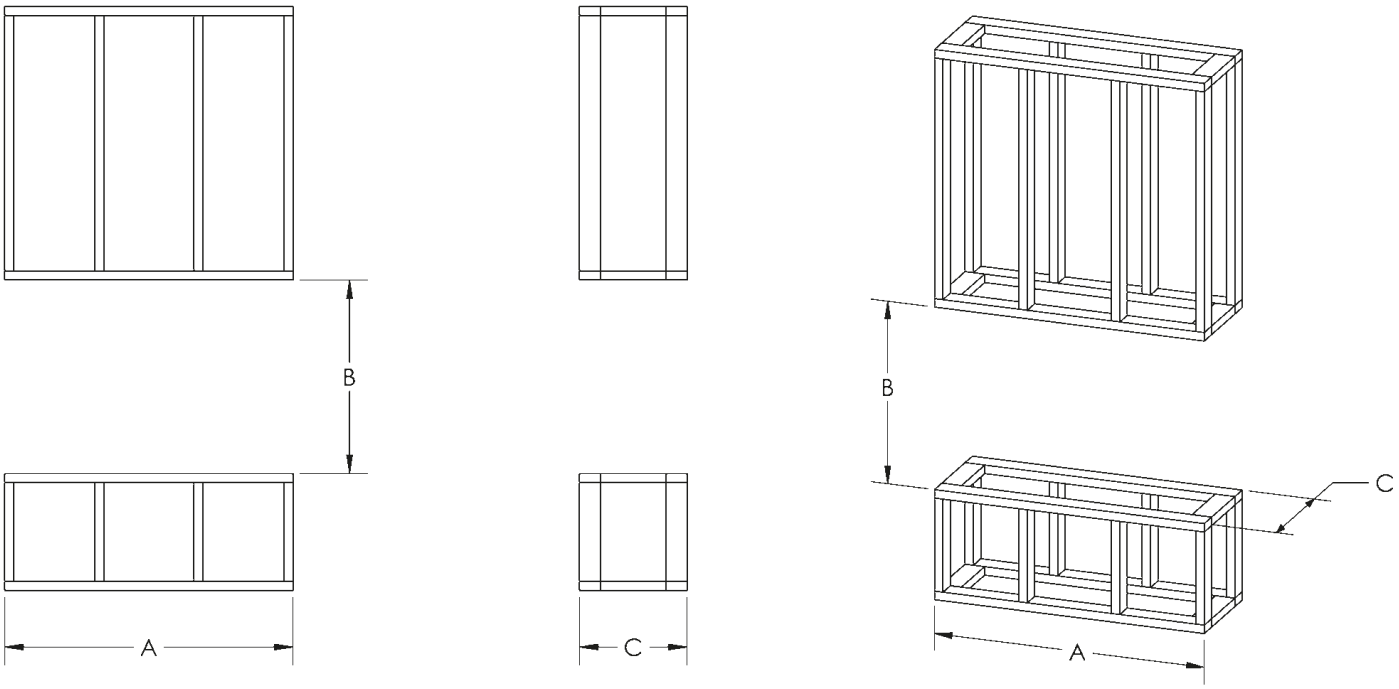
BAY



Rough Framing Dimensions				
A	B	C	D	Framing
48-3/16" [1224mm]	32-3/8" [822mm]	7-5/16" [186mm]	10-13/16" [275mm]	2x4
		6-5/16" [160mm]	11-13/16" [300mm]	2x6

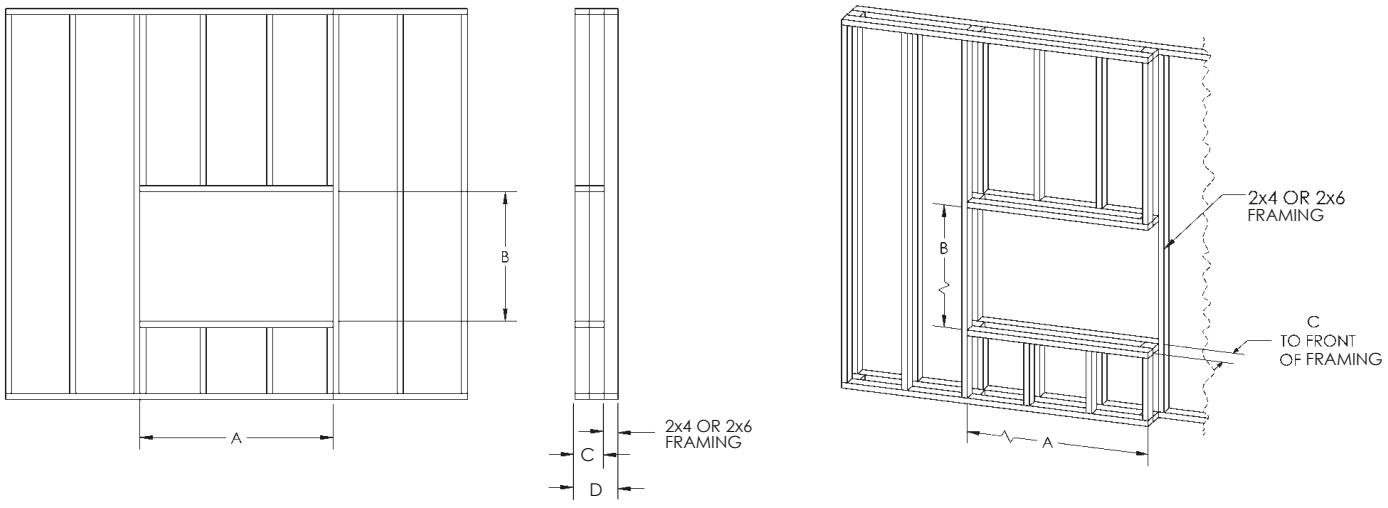
Built-In Installation Framing

ISLAND



Rough Framing Dimensions		
A	B	C
48-3/16" [1224mm]	32-3/8" [822mm]	18-1/8" [461mm]

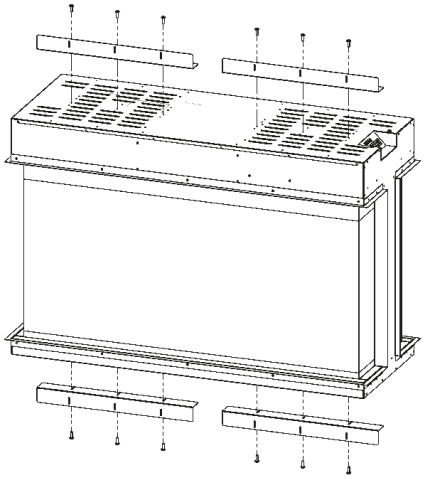
SIDE EXPOSED

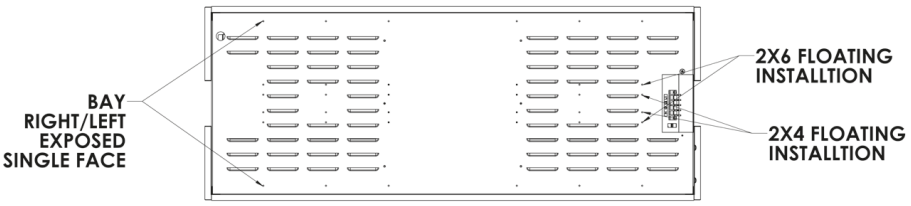


Rough Framing Dimensions				
A	B	C	D	Framing
48-3/16" [1224mm]	32-3/8" [822mm]	7-5/16" [186mm]	10-13/16" [275mm]	2x4
		6-5/16" [160mm]	11-13/16" [300mm]	2x6

Built-In Installation

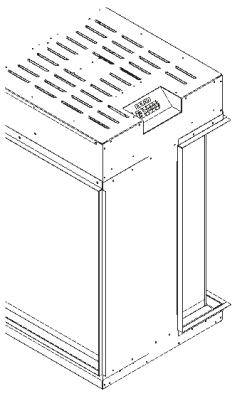
- Determine the desired installation style. See “Installation Styles” on page 9.
- Prepare the framed opening according to the “Framed Opening Dimensions” chart for the selected installation style. Ensure an appropriate dedicated power circuit is provided at the top right of the frame opening.
- Remove the front glass. See “Glass Removal/Installation” on page 7.
- Install the “L” Metal Nailing Flanges to both the top and bottom of the fireplace. Pay special attention when installing the “L” Metal Nailing Flanges as there are multiple sets of mounting holes depending on the installation style. The “L” Metal Nailing Flanges are only required on either the front or the back of the fireplace; not both.



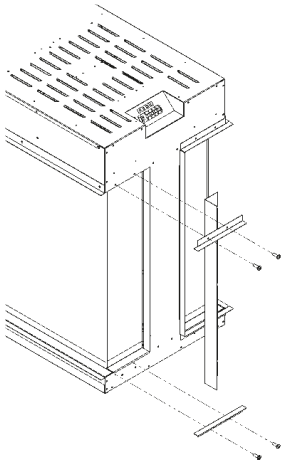


If installing:

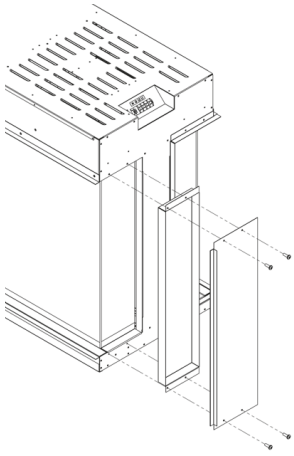
- Single-Sided – No changes required. Optionally, install the filler trim to remove the gap between the side glass and the side plate. To do so, remove the side plate, install the filler trim using the same mounting holes as the side plate, and then reinstall the side plate over the filler trim.
- 2-Sided – Remove the side plate covering the side glass on the exposed side of the fireplace. Install the drywall stop (shipped loose) on the exposed side of the fireplace. Store the removed side plate and extra drywall stop in a safe place.
- 3-Sided/Bay – Remove the side plates covering the side glass on both sides of the fireplace. Install the drywall stops (shipped loose) where the side plates were. Store the side plates in a safe place.



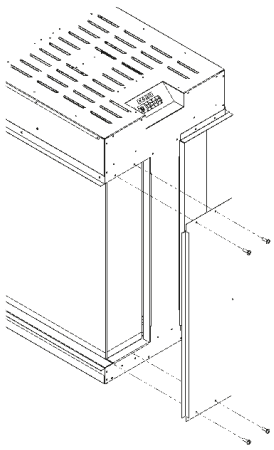
SINGLE FACE INSTALL



REMOVE SIDE PLATE



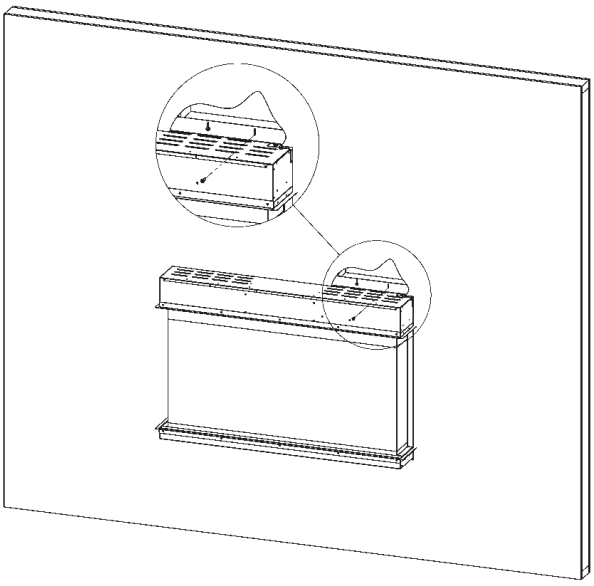
INSTALL SIDE DRYWALL STOPS



INSTALL FILLER TRIM

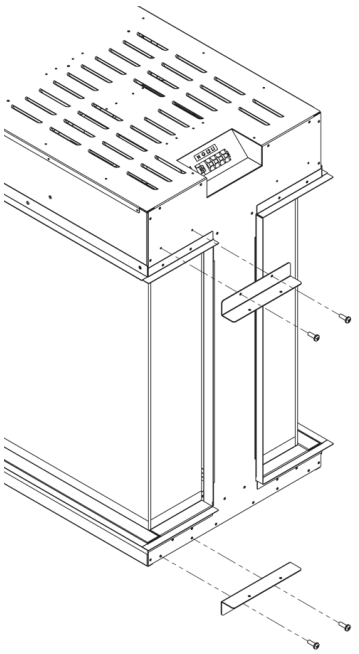
Built-In Installation (Continued)

- Hardwire the fireplace to the dedicated power circuit. See “Hardwiring Installation” on page 14.
- Install the fireplace in the framed opening. Adjust the adjustable feet as needed to ensure the fireplace is level.
- Fasten the fireplace to the framing using the “L” Metal Nailing Flanges and drywall screws that have a minimum length of 1-1/4” (32mm).
- Mask the exposed viewing area of the fireplace prior to texturing/finalizing the framed wall.
- Decorate according to the media installation guide. See ‘’Lit Log and Crushed Glass Installation’’ on page 18.
- Install the front and back glass. See “Glass Removal/Installation.”



For 2x4 or 2x6 floating installations, the Studio Suite Mantel Package (sold separately) is recommended for a finished appearance. A custom-built finish mantel may also be used. In either case, the included Cabinet Mount Brackets must be installed for this type of installation.

- Mount the fireplace in its final installation location before installing the cabinet mounting brackets.
- Remove the Side Plates and install the Side Drywall Stops as shown in the 3-Sided/Bay Installation section.
- Install the four cabinet mounting brackets. Position two near the top of the fireplace, one on each side, and two near the bottom, one on each side.
  - Using screws from the hardware kit, secure the upper cabinet mounting brackets to the fireplace with two screws per bracket.
  - Remove the two screws along the lower front edge of the fireplace and reuse them to install the lower cabinet mounting brackets.
- If using the Studio Suite Mantel Package, install it according to its installation instructions. If constructing a custom finish mantel, complete the finish installation as required.



INSTALL CABINET MOUNTING BRACKETS

Hardwiring Installation

NOTE: A dedicated 15 amp is required.
A 20 amp breaker is preferred.

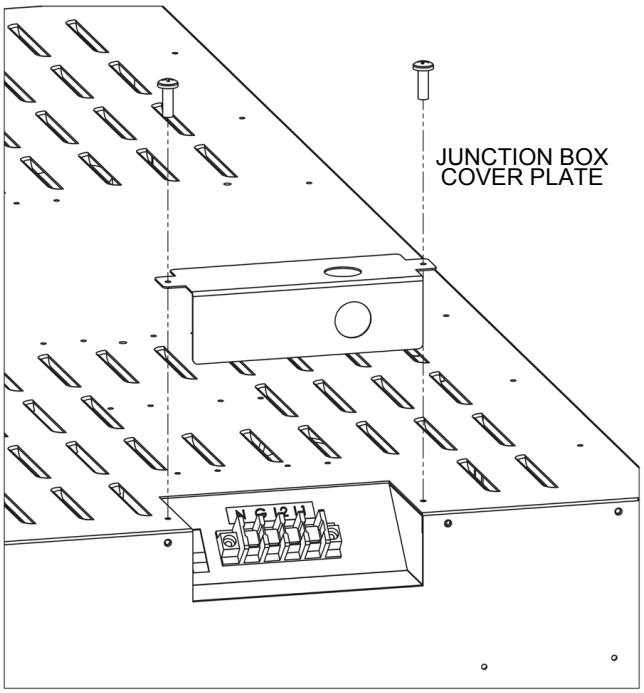
The appliance must be electrically connected and grounded in accordance with local codes. In the absence of local codes, use the current CSA C22.1 Canadian Electrical Code in Canada or the current ANSI/NFPA 70 National Electrical Code in the USA.

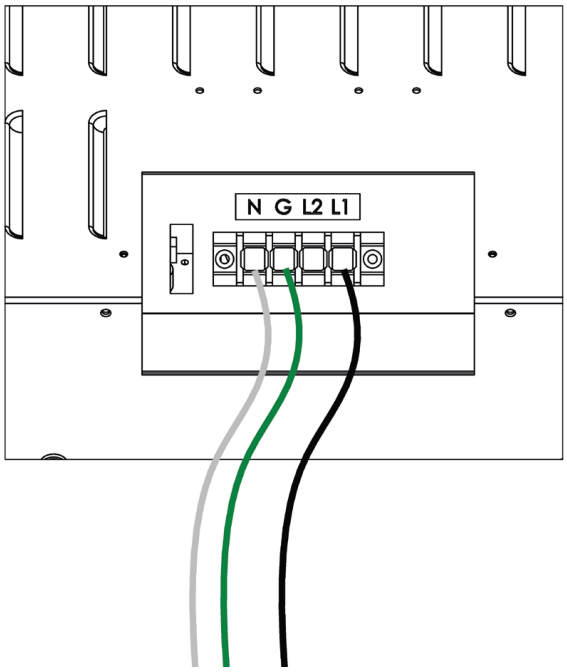
TURN OFF POWER FROM CIRCUIT BREAKER FIRST

120 Volt Power (4,100 BTU's):

Note:
Only 3 terminals will be used in the appliance junction box: white (neutral), black (power L1), and green/bare (ground) that are connected to 120V power source (circuit breaker panel).

- Ensure power from the circuit breaker is off.
- Remove the 2 securing screws from the junction box cover plate, located on the top, right-hand side of the appliance, as viewed from the front.
- Install the power supply wire through the junction box cover plate.
- From the power supply wire, connect the green/bare copper wire to ground (G), the white wire to neutral (N), and the black wire to Line1 (L1).
    - Note: L2 is only for 240V applications or when jumper is required. See heater configuration table for jumper requirements.
- Resecure the junction box cover plate using the 2 screws previously removed.





Hardwiring Installation (Continued)

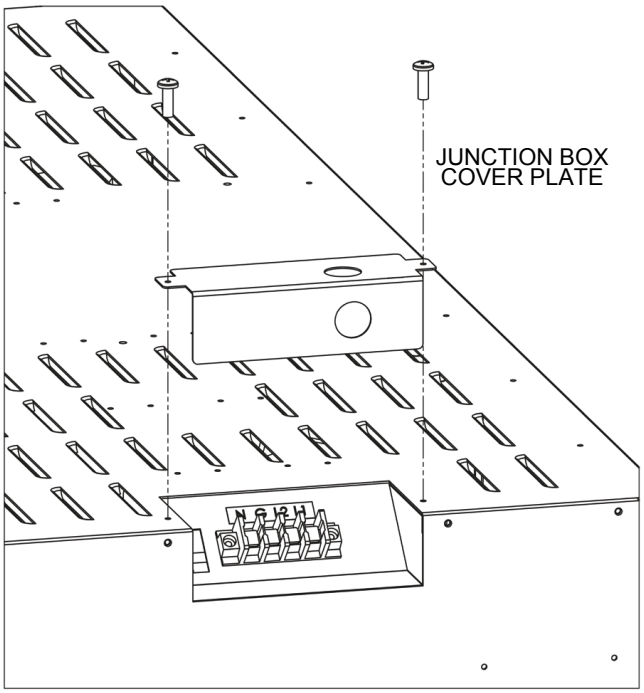
240 Volt Power (8,200 BTU's):

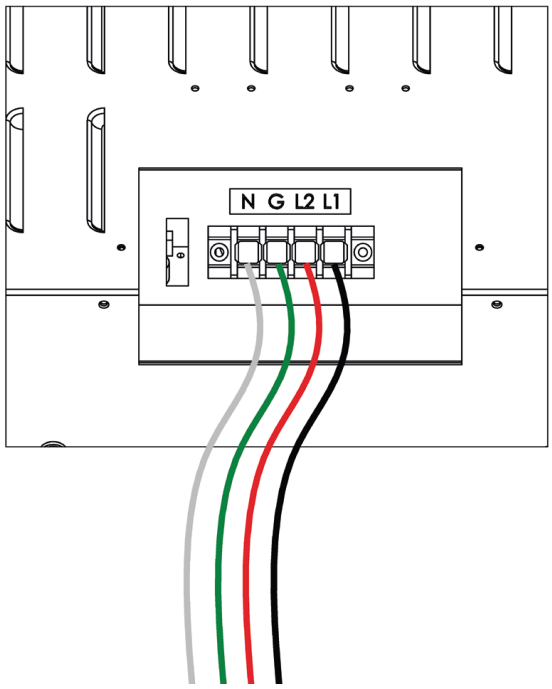
This fireplace is equipped with the ability to optionally wire with 240 volts, which will supply 8,200 BTU's of heat.

A dedicated 240V, split-phase, 15 amp circuit is required.
A 20 amp circuit is preferred.

Note:
All 4 terminals will be used in the appliance junction box: white (neutral), black (power L1), red (power L2), and green/bare (ground) that are connected to 240V power source (circuit breaker panel).
240V supply connection must include a neutral. Connection must be 4 wires (3 primary wires and a ground). L1 & L2 must be separate phases.

- Ensure power from the circuit breaker is off.
- Remove the 2 securing screws from the junction box cover plate, located on the top, right-hand side of the appliance, as viewed from the front.
- On the terminal block, locate the fourth position terminal that has the label covering the L2 terminal. The label indicates "220-240V Only". Remove the label.
- Install the power supply wire through the junction box cover plate.
- From the 4-wire, 240 volt power supply wire, connect the green/bare copper wire to ground (G), the white wire to neutral (N), the black wire to Line1 (L1), and the red wire to Line2 (L2).
- Re-secure the junction box cover plate using the 2 screws previously removed.

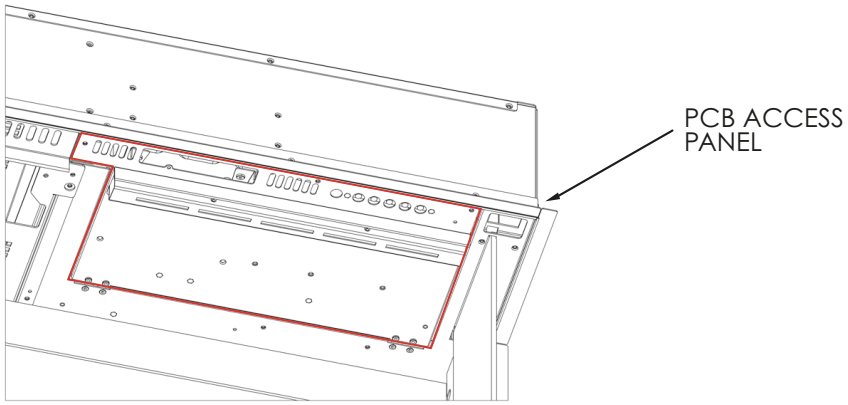




Heater Configuration

Configuring the fireplace for the desired heater outputs dip switch setting:

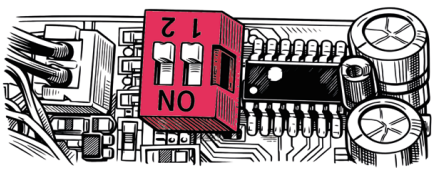
- Ensure power to the unit is OFF prior to setting the PCB dip switches.
- Remove front glass if not already removed.
- Open PCB Access panel, located on the front right of the fireplace.
- Locate and set PCB dip switches to desired heat setting. See below settings table and figures.
- Turn power ON to the fireplace and test desired setting is achieved.
- If the desired setting is not achieved confirm PCB dip switch settings and reset power to the fireplace. Reassemble.



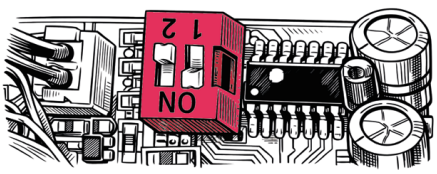
NOTE: Ensure the fireplace terminal block is wired according to the table on the following page. Fireplace will need to be power cycled for settings to be achieved, therefore ensure power is OFF prior to setting PCB dip switches.

Dip switch settings examples		
Settings	**Description**	**Additional info**
A	Front & Back heat enabled.	Heater enabled for both the FRONT and the BACK of the fireplace.
B	Front heat only.	Heater disabled ONLY for the BACK of the fireplace.
C	Back heat only.	Heater disabled ONLY for the FRONT of the fireplace.
D	No heat.	Heater disabled for both the FRONT and the BACK of the fireplace.

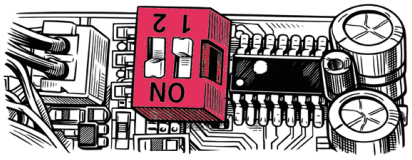
A



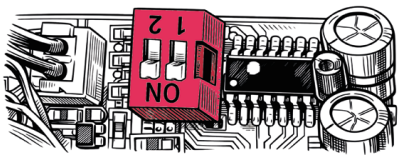
B



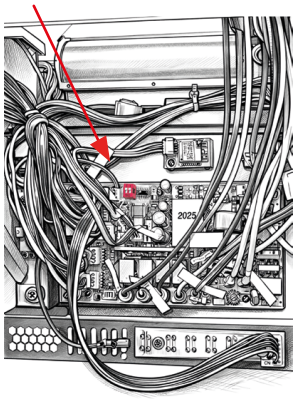
C



D



DIP Switch Location



Heater Configuration (Continued)

Configuring the fireplace for the desired heater output. Confirm PCB DIP switch settings and terminal block wiring before applying power.

Before configuring	1. Turn power OFF before setting PCB DIP switches or changing terminal block wiring. 2. Remove front glass if not already removed and open the PCB access panel at the front right of the fireplace. 3. Set the PCB DIP switch to the desired heater setting, then wire the terminal block according to the configuration table below. 4. Power cycle the fireplace after changing settings, then test for the desired heater operation.

WARNING: Never install the L1-L2 jumper on a 120 V supply with DIP switch set to "A." The jumper will backfeed L2 from L1, causing excessive load on the circuit. The jumper is never to be used for 240 V applications.

Step 1: Select Heater Configuration

Option	Heating Option	Supply	DIP	Terminal Block / Circuit Connections	L1-L2 Jumper	Heater Output
1	Front/Back 120 V (Low Heat Only)	120 V	A	L1: Yes L2: No Neutral (N): Yes Ground (G): Yes	No	Front: 600 W LOW Rear: 600 W LOW Total: 1200 W
2	Front Only 120 V (Low & High Heat)	120 V	B	L1: Yes L2: Yes, via L1-L2 jumper Neutral (N): Yes Ground (G): Yes	Yes	Front: 1200 W LOW + HIGH Rear: 0 W Total: 1200 W
3	Back Only 120 V (Low & High Heat)	120 V	C	L1: Yes L2: Yes, via L1-L2 jumper Neutral (N): Yes Ground (G): Yes	Yes	Front: 0 W Rear: 1200 W LOW + HIGH Total: 1200 W
4	Heater Disabled	120 V	D	L1: Yes L2: No Neutral (N): Yes Ground (G): Yes	No	Front: 0 W Rear: 0 W Total: 0 W
5	Front/Back 240 V (Low & High Heat for both sides)	240 V (4-wire)	A	L1: Yes L2: Yes Neutral (N): Yes Ground (G): Yes L1 & L2 must be separate phases	No	Front: 1200 W Rear: 1200 W Total: 2400 W

Note: 120 V configurations use a dedicated 15 A minimum circuit; a 20 A circuit is preferred. For 240 V, use a dedicated split-phase circuit with neutral.

Step 2: Verify Electrical Load and Breaker Size

Option	Front Heater Watts (W)	Rear Heater Watts (W)	Total Watts (Heaters only)	Total Amps (Heaters only)	Fireplace + Heaters Total Amps	Approved Breaker Size
1	600 (LOW)	600 (LOW)	1200	10	L1 = 11.5 A	15 Amp (20 Amp preferred)
2	1200 (LOW + HIGH)	0	1200	10	L1 = 11.5 A	15 Amp (20 Amp preferred)
3	0	1200 (LOW + HIGH)	1200	10	L1 = 11.5 A	15 Amp (20 Amp preferred)
4	0	0	0	0	L1 = 1.5 A	15 Amp
5	1200	1200	2400	10	L1 = 11.5 A L2 = 10 A Neutral = 1.5 A imbalance	2-pole 15 Amp (2-pole 20 Amp preferred)

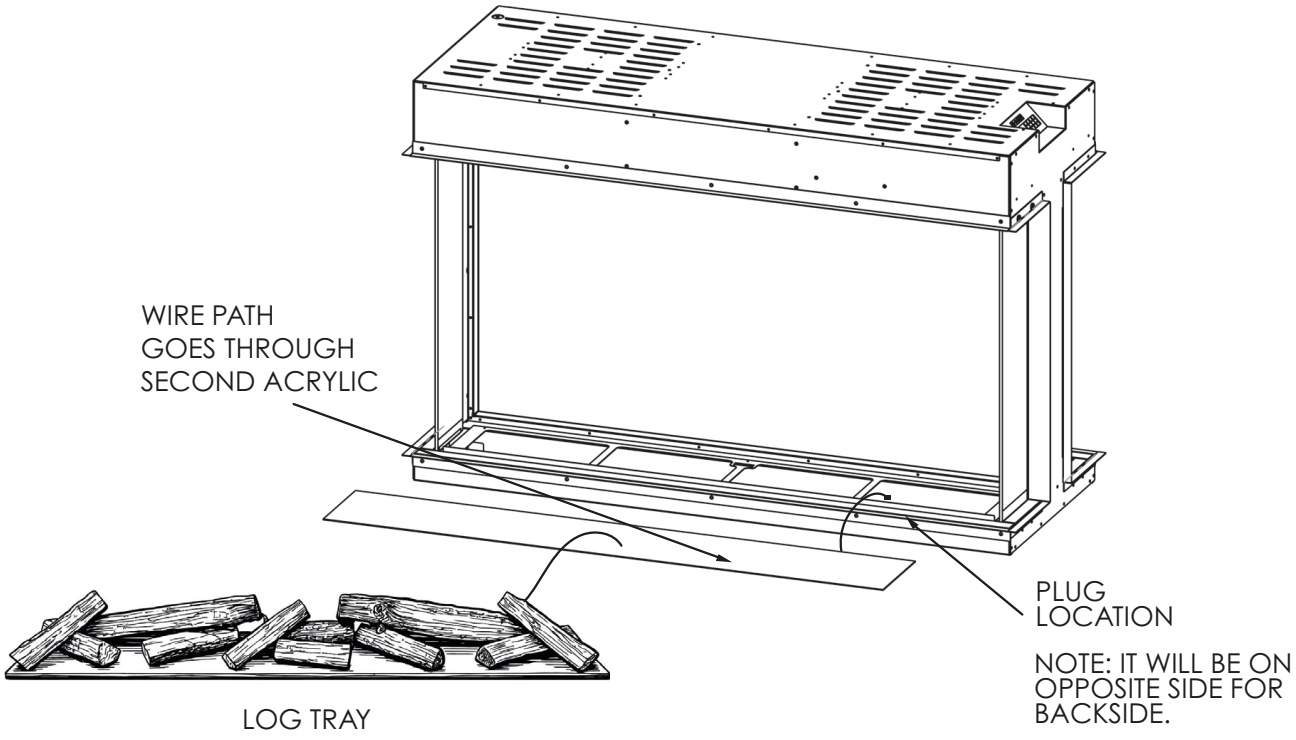
Final check: If the desired setting is not achieved, confirm PCB DIP switch settings, confirm terminal block wiring, reset power to the fireplace, and retest before reassembly.

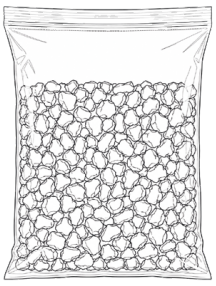
Safety note: Never install the L1-L2 on a 120V supply with the DIP Switches set to ''A''. The jumper will backfeed L2 from L1 causing excessive load on the circuit. The jumper is never to be used for 240V applications.

Lit Log and Crushed Glass Installation

- Front glass must be removed and the appliance must be mounted in its final location before the log set and crushed glass are installed.
- Install the log set into the fireplace by threading the wired connection through the textured acrylic and plugging into the log set electrical connector with the painted side of the logs facing out. The log set electrical connector is located on the back right side of the ember bed. Ensure careful alignment when plugging in the connector, as it can only be installed in one orientation. (Connection back left for back of fireplace).
- Place acrylic and log set on the ember bed tray. Ensure it is behind the glass track.
- After the log set has been installed, arrange the glass media on the ember bed so that the entirety of the acrylic ember bed is covered. Sprinkle the wood chips over the crushed glass as desired. Ensure the front glass track is clear of media as this will prevent the front glass from being reinstalled.
- Repeat these steps for the opposite side of the fireplace.

Note: Ensure care is taken when handling logs and installing into the fireplace to avoid damage to logs and screen.





BAG OF CRUSHED GLASS



BAG OF WOOD CHIPS

Sound Modes

The electric fireplace is equipped with an integrated audio system featuring multiple selectable sound modes to enhance environmental realism. To change sound modes, use the remote to turn on the on-screen controls and select the desired Sound Mode this can also be done or by using the Modern Flames App.

Normal Mode
A classic fireplace crackling audio effect designed to recreate the comforting sound of a real wood-burning fire.

Starry Night Mode
A calm nighttime ambient sound featuring soft nature-inspired audio for a relaxing atmosphere.

Stormy Night Mode
An immersive nighttime storm with rain and distant thunder for a cozy, dramatic setting.

Bluetooth Mode
Connect your Bluetooth-enabled device to play music or other audio through the fireplace speaker system.

Log Lighting

The fireplace features illuminated reactive logs with three lighting modes.

Breathing Mode
Provides a pulsing illumination which causes the brightness of individual logs to slowly increase and decrease, emulating a real fireplace.

Active Mode
Dynamically adjusts log brightness in real-time based on fireplace sounds or Bluetooth audio, creating a synchronized audio-visual experience.

Static Mode
Provides constant illumination for a steady log illumination effect.

Operation

Read and understand this entire owner's manual, including all safety information, before plugging in or using this product. Failure to do so could result in electric shock, fire, serious injury, or death.

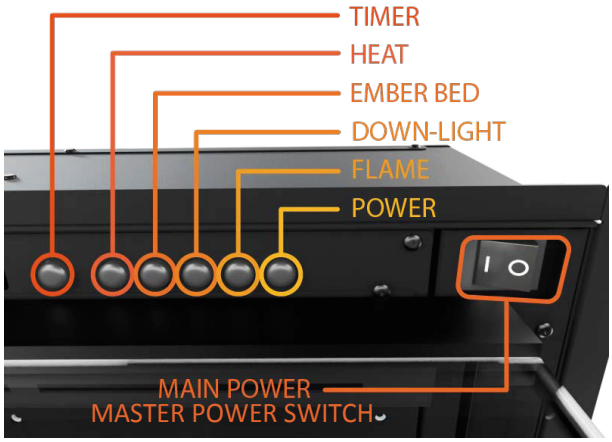
Power

Turn on dedicated breaker. NEVER exceed the maximum amperage for the circuit. DO NOT plug other appliances into the same circuit.

Master Power Switch

Located next to the Touch Control Panel, on the front side, is the Master Power Switch. Ensure the rocker switch is pressed in the "On" position prior to operating the fireplace.

Note: After resetting the Master Power Switch or from a loss of power, the fireplace takes 20-30 seconds before the fireplace is fully booted and operational. Always allow the fireplace to fully shut down or boot up before performing any functions.



Methods of Operation

This electric fireplace can be operated by the TOUCH CONTROL PANEL located on the UPPER right corner of the fireplace (both sides), by the battery-powered REMOTE CONTROL, or by the MODERN FLAMES APP using a smart phone or tablet.

Pairing the Remote

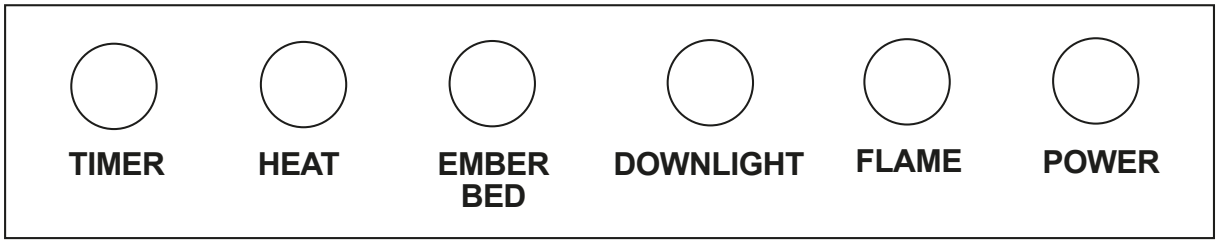
- With the fireplace ON, press and hold the Power button on the fireplace touch controls for 5 seconds until you hear a beep from the fireplace.
- Within 5 seconds of the fireplace beeping, repeatedly press the power button on the remote until the fireplace beeps again.
- Pairing must be completed within 5 seconds or the fireplace pairing will time out of pairing mode.

Clearing the Remote

- With the fireplace ON, press and hold the Downlight and Ember Bed buttons on the touch controls for 5 seconds, until you hear a beep from the fireplace.

Touch Control Panel

FRONT OF FIREPLACE



EDGE OF FIREPLACE

Button	On-screen pop up	Description
		**Power:** Cycles the fireplace ON/OFF. **Secondary Function:** Long Press - Places the fireplace in remote pairing mode.
		Switches between color presets and flame styles. Preset Colors: Yellow (default), Orange, Blue, Aqua, Purple, White. Cycles through all preset colors first before switching to the next flame style. **Secondary Function:** Long Press - Places the fireplace in App pairing mode.
		Switches between 10 RGB Downlight colors and auto cycle. Orange, Red, Blue, Yellow, Green, Purple, Aqua, Magenta, Rose, White, Autocycle. **Secondary Function:** Long Press - Enables/Disables night mode. Color can be cycled while in night mode.
		Switches between 10 RGB Ember Bed colors and an auto cycle. Orange, Red, Blue, Yellow, Green, Purple, Aqua, Magenta, Rose, White, Autocycle. **Secondary Function:** Long Press - Enables/Disables the active log lights. Enabled by default.
		Heat cycles between OFF/Fan/Low/High. **Secondary Function:** Long Press - Enables/Disables the heater lockout. Applies to active side only.
		Timer to turn OFF unit at desired time. From NO timer to 8 hours. **Secondary Function:** Press & Hold 5 seconds to switch video inputs from the flame video to HDMI, and vice versa.

Remote Control



REMOTE #: 01-00251

Remote Control Operation

	**Power Button:** **Primary Function:** ON/OFF. **Secondary Function:** Pairs Remote to Fireplace.
	**Default/Home Button:** **Primary Function:** Reverts the flame settings to flame style 1, color yellow. Ember bed and downlight changes to Modern Flames orange. Flame speed changes to medium, sound level changes to medium, and sound mode goes to normal mode. **Secondary Function:** Long Press – Enters focus adjustment mode to fine tune the screen focus using the arrows while in the menu.
	**Arrow Buttons:** **Fireplace Mode:** Opens – On Screen Control (PIP). **PIP Mode:** Cursor/Selection.
	**Selection Button:** **Fireplace Mode:** Home page of PIP. **PIP Mode:** Selector/OK Button.
	**Back Button:** **Primary Function:** Back Button and to exit secondary menus. **Secondary Function:** Long Press – Exit PIP
	**Flame Style Button:** **Primary Function:** Shortcut to Flame Style PIP. **Secondary Function:** Long Press – Favorites Menu/Carousel is highlighted/selected on PIP Home Page.

Remote Control (Continued)

Lights Button:

Primary Function: Shortcut to Downlight/Ember bed PIP.
Secondary Function: Long Press – Enables/Disables Night Mode. Color can be cycled white while in Night Mode.

Heater Button:

Primary Function: Shortcut to Heater PIP.
Secondary Function: Long Press – Enables/Disables the heater lockout. Applies to active side only.

ON-SCREEN POP UP



HDMI Mode Button:

Primary Function: Places fireplace in HDMI mode.
Secondary Function: Long Press – Enables/Disables control of fireplace volume using the streaming device remote also known as CEC control. Off by default.

ON-SCREEN POP UP



Timer Button:

Primary Function: Shortcut to Timer PIP.
Secondary Function: N/A

ON-SCREEN POP UP



Screen Flip Button:

Primary Function: Screen default picture in picture is to the front of the fireplace. When pressed, image flips 180°.
Secondary Function: Long Press – Enables the flame brightness PIP.

There are 6 levels: 50% / 60% / 70% / 80% / 90% / 100%

ON-SCREEN POP UP



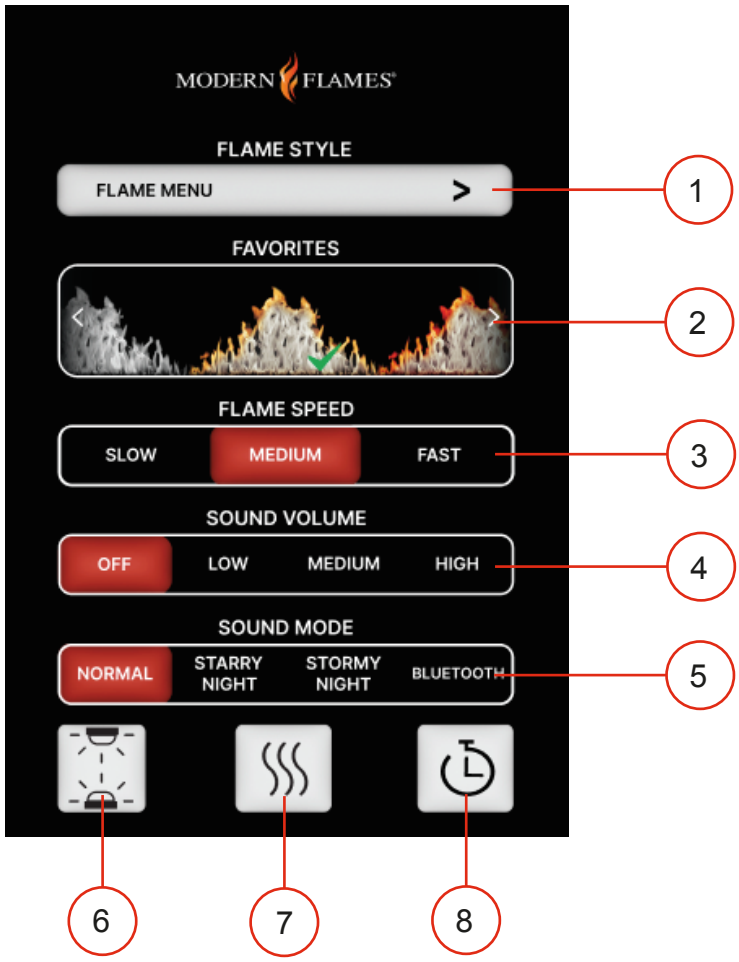
Volume Buttons:

Independent Up and Down buttons toggle between volume levels.
Levels: Off, Low, Medium, High.
Secondary Function: N/A

ON-SCREEN POP UP



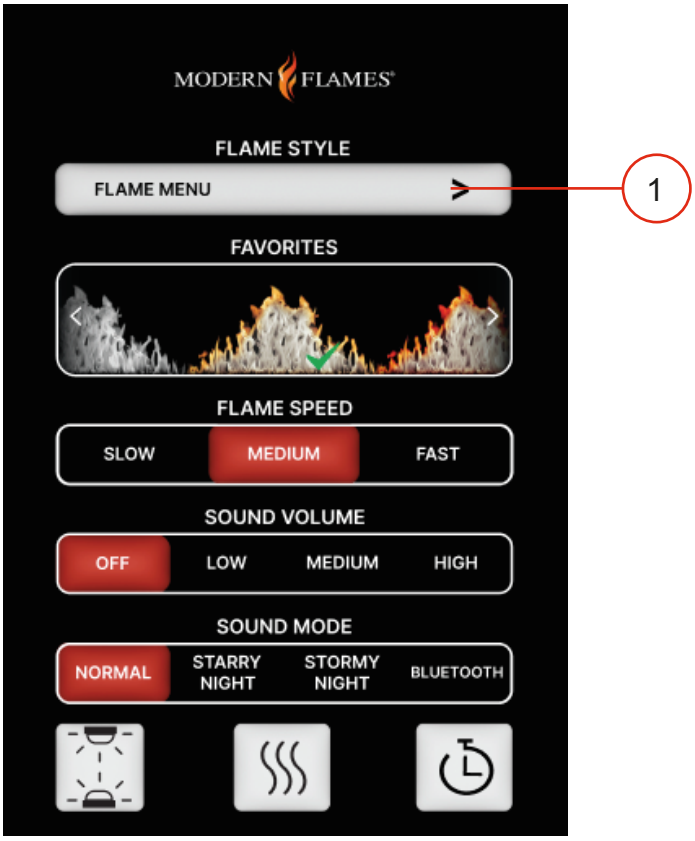
On Screen Controls



Note: Some on-screen controls may not be fully visible. Scroll up/down to view all on-screen controls.

1	**Flame Menu:** Opens the flame style sub-menu for selecting different flame styles and colors. 4 styles with 6 colors for each style.
2	**Favorites:** A quick access slider to change between the 6 favorited flame presets as defined in the Modern Flames App.
3	**Flame Speed:** Changes the flame speed of the currently displayed flames. Cycles between Slow, Medium, and Fast.
4	**Flame Volume:** Changes the sound effect volume of the fireplace between 4 different volumes. Can cycle between Off, Low, Medium, and High.
5	**Sound Mode:** Changes the sound mode of the fireplace. Cycles between Normal, Starry Night, Stormy Night, and Bluetooth.
6	**Lights:** Opens the lights sub-menu for changing the ember bed and downlight colors, ember bed and downlight brightness, ember bed modes, log modes, and night mode.
7	**Heater Button:** Opens the heater sub-menu for turning on or off the front and/or back heater and thermostat.
8	**Timer Button:** Opens the timer sub-menu for enabling an auto-shutoff timer.

On Screen Controls (Continued)





1.1	**Style One:** Opens the flame style one sub-menu.
1.2	**Style Two:** Opens the flame style two sub-menu.
1.3	**Style Three:** Opens the flame style three sub-menu.
1.4	**Style Four:** Opens the flame style four sub-menu.

Note: Flame images are for illustration only and may not match the flames in your fireplace.

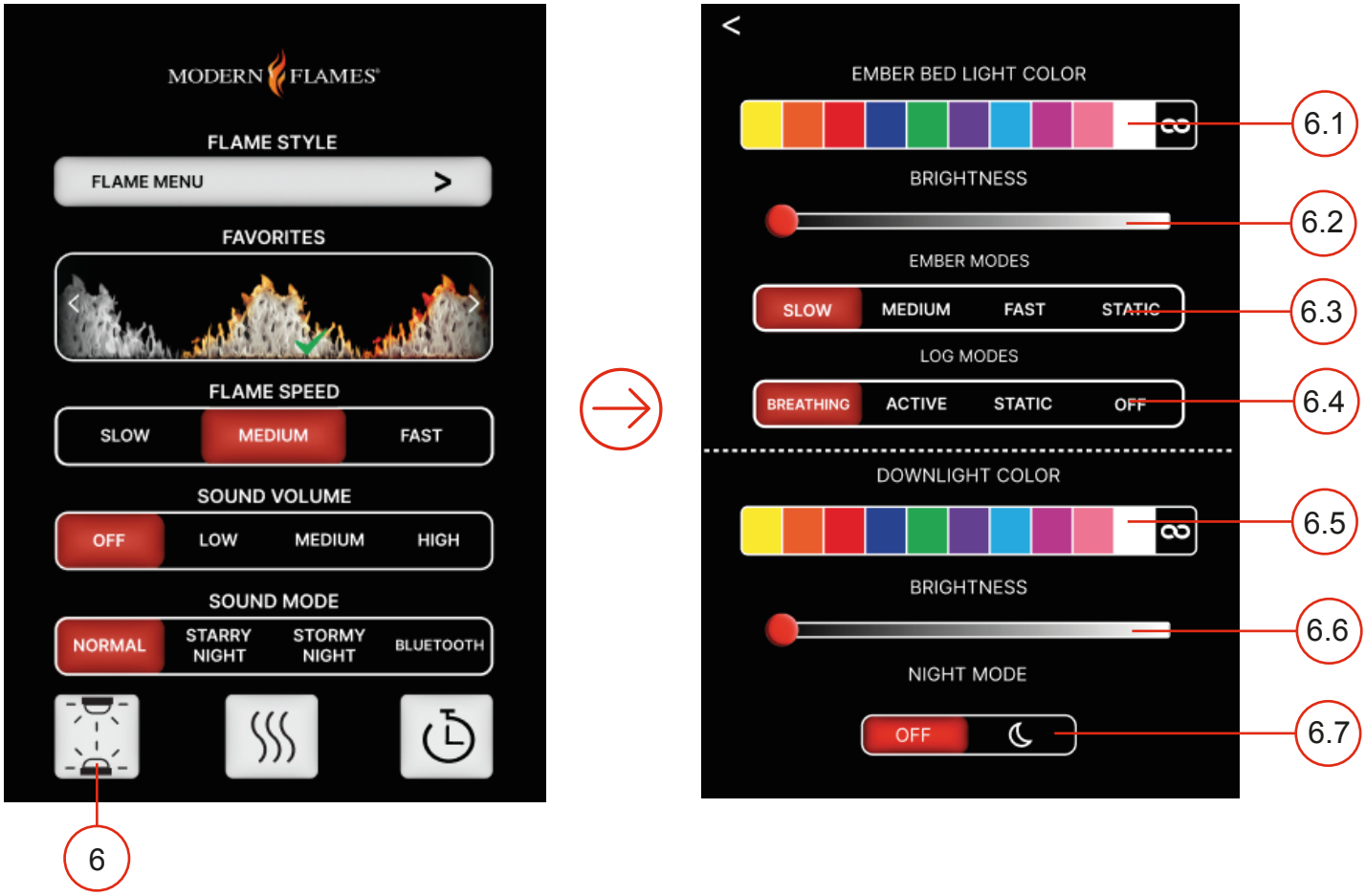
On Screen Controls (Continued)



Note: Flame Style One (1.1), Two (1.2), Three (1.3), and Four (1.4) all function the same as below.	
1.1.1	**Yellow Flame Button:** Changes the fireplace to the Yellow flame.
1.1.2	**Orange Flame Button:** Changes the fireplace to the Orange flame.
1.1.3	**Blue Flame Button:** Changes the fireplace to the Blue flame.
1.1.4	**Green Flame Button:** Changes the fireplace to the Green flame.
1.1.5	**Purple Flame Button:** Changes the fireplace to the Purple flame.
1.1.6	**White Flame Button:** Changes the fireplace to the White flame.

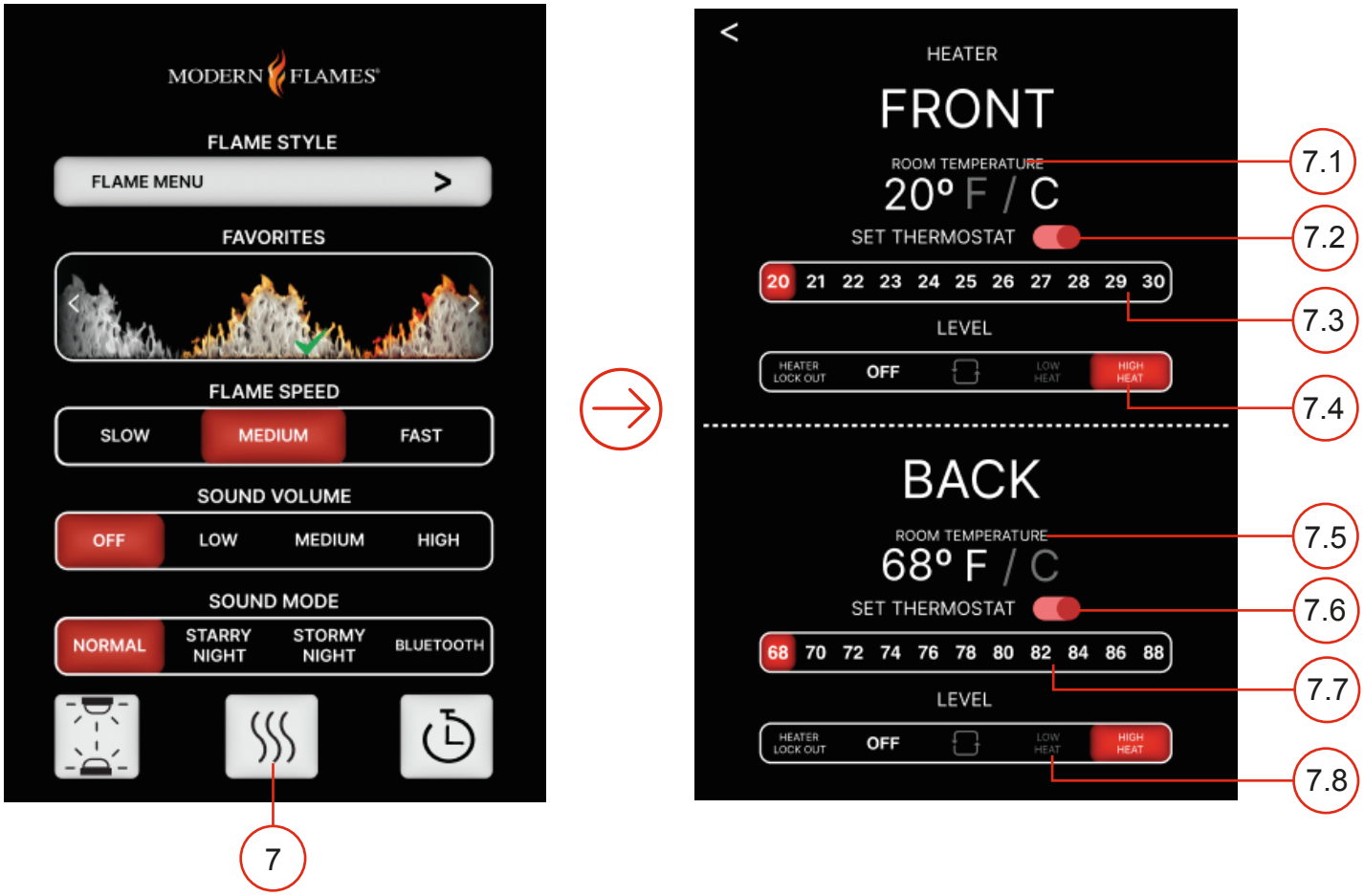
Note: Flame images are for illustration only and may not match the flames in your fireplace.

On Screen Controls (Continued)



6.1	**Ember Bed Light Color:** Changes the color of the ember bed and log set. 10 preset colors and 1 color cycle.
6.2	**Ember Bed Brightness:** Changes the brightness of the ember bed lights.
6.3	**Ember Bed Mode:** Changes the speed of the active ember bed. Switch between Slow, Medium, Fast, and Static.
6.4	**Log Mode:** Changes the behavior of the log set. Switch between Breathing, Active, Static, and Off.
6.5	**Downlight Color:** Changes the color of the downlight. 10 preset colors and 1 color cycle.
6.6	**Downlight Brightness:** Changes the brightness of the downlight.
6.7	**Night Mode:** Enables Night Mode. All features of the fireplace turn off except for the downlight. Color can still be cycled.

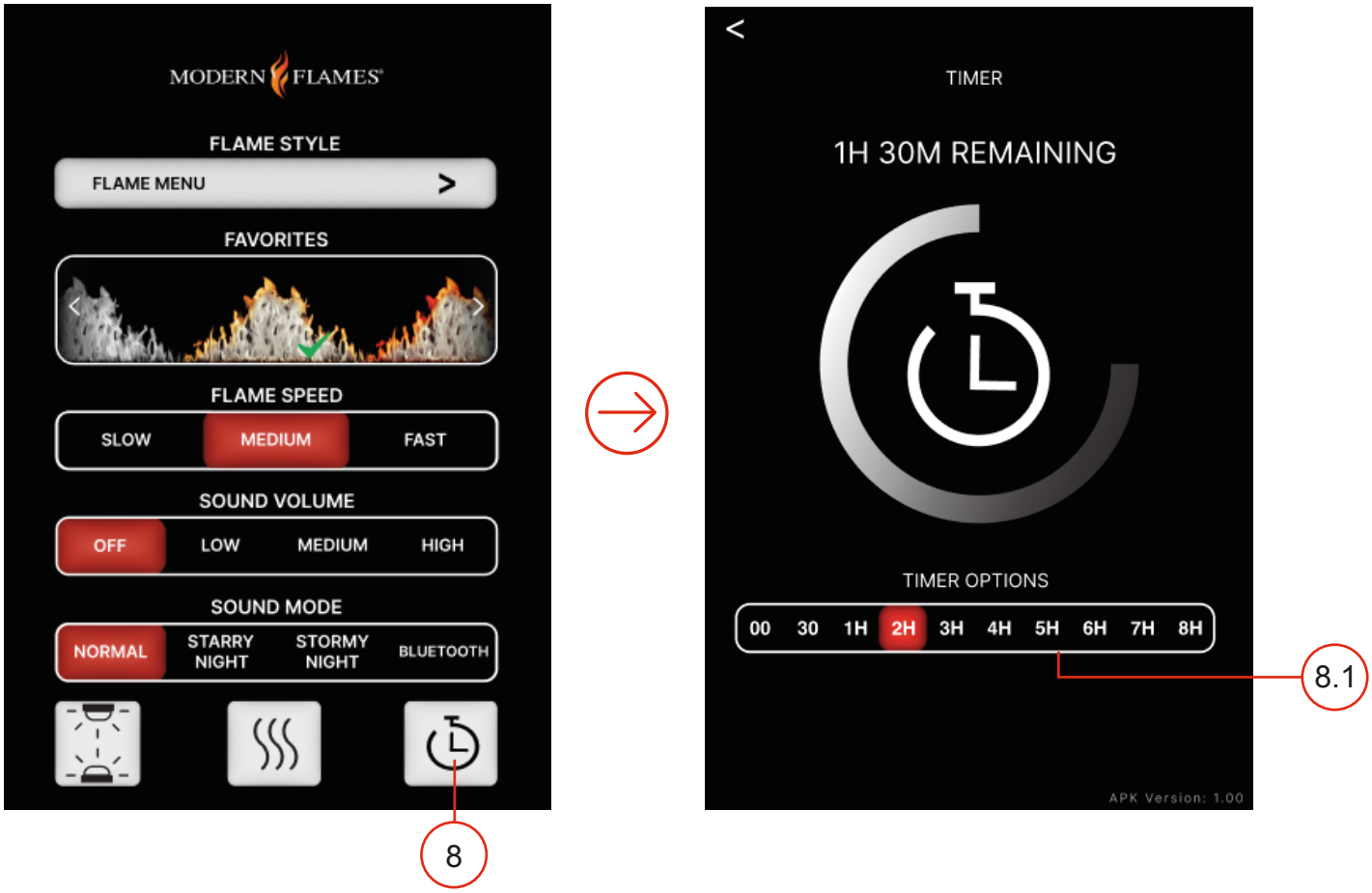
On Screen Controls (Continued)



7.1	**Front Thermostat:** Shows the current ambient temperature for the front of the fireplace. Pressing changes the scale of the fireplace between Fahrenheit and Celsius
7.2	**Thermostat Toggle:** Enable the use of the thermostat temperature slider for the front heater. Disables level controls and cycles heater ON/OFF based on thermostat slider.
7.3	**Thermostat Slider:** Changes the thermostat value of the fireplace, enabling or disabling the front heater at the set temperature. Once the set temperature is reached, heater will cycle OFF/ON to maintain set temperature.
7.4	**Heater Lever:** Changes the settings of the front heater. Switch between Heater Lock Out (disabled), Off, Recirculate (fan only), Low Heat, and High Heat.
7.5	**Back Thermostat:** Shows the current ambient temperature for the back of the fireplace. Pressing changes the scale of the fireplace between Fahrenheit and Celsius.
7.6	**Thermostat Toggle:** Enable the use of the thermostat temperature slider for the back heater. Disables levels controls and cycles heater ON/OFF based on thermostat slider.
7.7	**Thermostat Slider:** Changes the thermostat value of the fireplace, enabling or disabling the back heater at the set temperature. Once set temperature is reached, heater will cycle OFF/ON to maintain set temperature.
7.8	**Heater Lever:** Changes the settings of the back heater. Switch between Heater Lock Out (disabled), Off, Recirculate (fan only), Low Heat, and High Heat.

Note: The displayed temperature may differ from the actual room temperature due to installation location, room size, airflow, drafts, insulation, and other ambient conditions.

On Screen Controls (Continued)



8.1	**Preset Timer Options:** Changes the amount of time for the fireplace to run before turning off. Once the time has expired, all functions of the fireplace are turned off. Switch between 00 (off), 30 mins, and 1 hour increments up to 8 hours.

Download Smart Phone App

Smart Phone App Connection

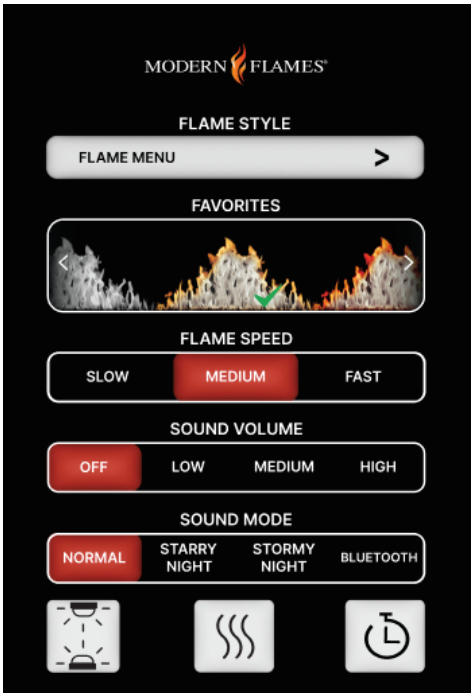
Note: Download the Modern Flames App from your app store before connecting.
Important: Nova Clear fireplaces are compatible only with the Modern Flames App. They are not compatible with the Modern Flames + App.

Download on the App Store

GET IT ON Google Play

MODERN FLAMES® ELECTRIC FIREPLACES

Download Mobile App



View the Modern Flames App User Guide by scanning QR code.

https://www.modernflames.com/app-functionality/

Note: The APP is subject to change without notice. Images shown may not represent current APP configuration.

Streaming Devices

Prior to opening access panel it is recommended that you remove the fireplace USB located on the access panel. It can be left in, but caution must be taken when opening or damage to the USB device or USB port may occur.

Streaming Device

This fireplace is equipped with the ability to install a streaming device (not included) to allow the user to stream their favorite streaming platform onto the fireplace. Most major brands of streaming devices can be used. Some of the models tested with the fireplace include: Google Chromecast, Amazon Fire TV Stick 4K, Roku Streaming Stick 4K, Apple TV 4K.

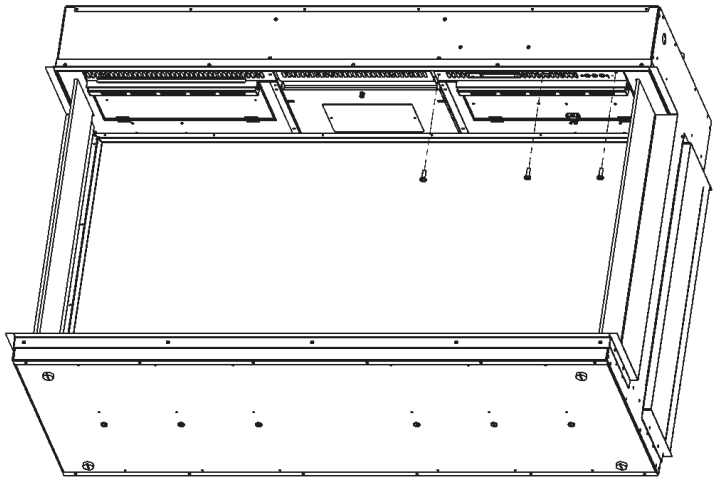
Note: The remote that came with the fireplace will be used to enter and exit streaming mode but the streaming device will be controlled with the remote supplied with the streaming device. Ensure that CEC is enabled to allow streaming device remote to control the fireplace volume. Some streaming devices only broadcast IR signals for volume and will not control the fireplace audio. For those applications, you will have to use the fireplace remote to control.

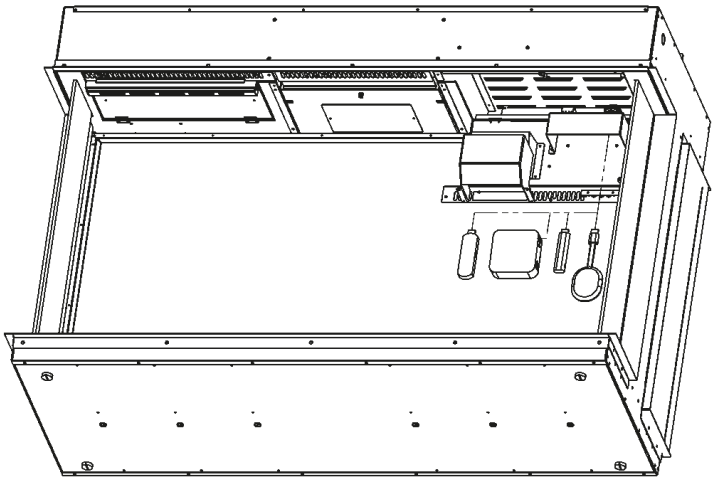
- From the back side of the fireplace, remove the glass face. See “Glass Removal/Installation” page 7.
- Looking at the ceiling of the viewing area, in the front, right-hand corner, find the three screws that are holding the access panel in place.
- Remove the three screws and place them in a safe place. Ensure that one hand is kept on the access panel at all times while in the closed position, to prevent it from swinging down and causing damage to the fireplace.
- Gently lower the access panel until the panel hangs freely. Be careful of any wires that may also rotate down with the service panel.
- Attached to the inside of the access panel is a small cover with an HDMI input, USB-C power output, USB-A power output, and a 120V power plug.
  Note: Although a USB-C and USB-A port is provided, some streaming devices may require the use of a power adapter (not included) to have enough power to operate.
- Plug the streaming device (not included) into the HDMI plug and the appropriate power plug. Ensure the wires are properly stored and out of the way of any of the internal fireplace components.
- Swing the access panel back into position and fasten with the three screws that were previously removed.
- Replace the front glass that was previously removed.

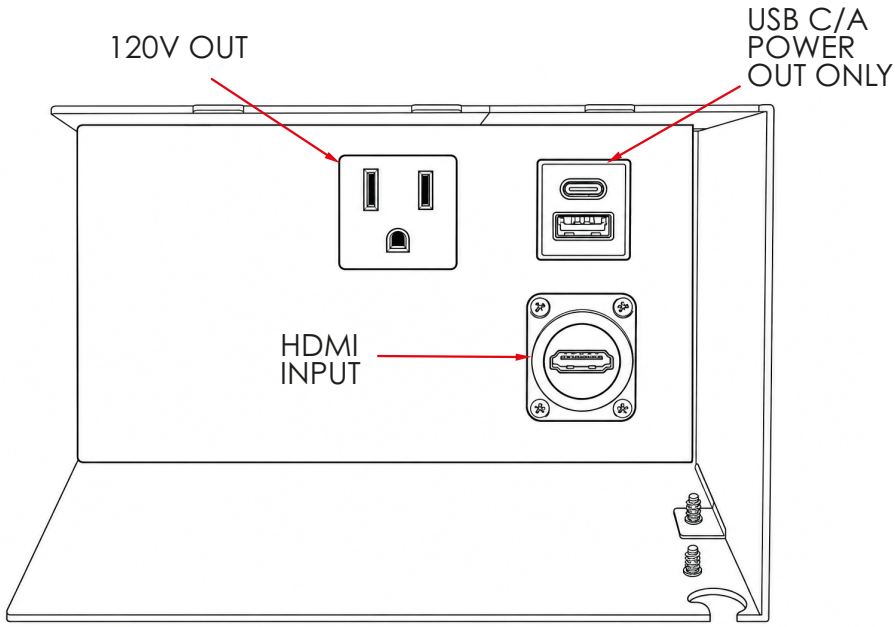
Caution: Customers assume full responsibility for any damage to the fireplace caused by installing a streaming device.

Note: Installation of a streaming device in the streaming cavity may impact the streaming device performance or lifespan.

Streaming Devices (Continued)







Important Warnings

Note:

- When the heater is first turned on, a slight odor may be present. This is normal and should not occur again unless the heater is not used for a long period of time.
- To improve operation, aim the remote control at the front of the fireplace and operate no further than 15 ft or 4.5 m. (Maximum operating range = ~20 ft / ~6 m).
- Quickly pressing of buttons on remote or manual controls without allowing the fireplace to complete the previous operation may result in operational errors. Allow the fireplace to complete each command before issuing another.

Remote Control Battery Information

- The remote control uses two AAA batteries (included).

Installing or Replacing the Remote Control Batteries

- Looking at the back of the remote, locate the removable battery compartment door.
- Gently slide the battery door downward, toward the bottom edge of the remote.
- If replacing the batteries, remove the old batteries and dispose of them in accordance with local regulations.
- Insert the supplied batteries or new AAA batteries, ensuring the “+” and “–” ends align with the markings inside the battery compartment.
- Replace the battery door by sliding it back into position from the bottom of the remote.

Temperature Limiting Control

This heater is equipped with a Temperature Limiting Control. Should the heater reach an unsafe temperature, the heater will automatically turn off.

To Reset:

- Remove power from the fireplace. Wait 5 minutes. Unplug the fireplace or turn off the appropriate breaker at the circuit breaker box.
- Inspect the fireplace to ensure no vents are blocked or clogged with dust or lint. Using a vacuum can help clear the areas if needed.
- Restore power to the fireplace.
- If the problem continues, have the wiring and outlet inspected by a professional.

Care, Cleaning and Maintenance



Always turn the heater OFF, allow it to cool, and disconnect before cleaning, performing maintenance, or moving this fireplace. Failure to do so could result in electric shock, fire, or personal injury.

Never immerse in water or spray with water. Doing so could result in electric shock, fire, or personal injury.

Cleaning

- Metal surfaces: Clean with a soft cloth lightly dampened with a mild cleaner.
- Glass: Use a good quality glass cleaner and dry thoroughly with a lint-free cloth or paper towel. For best results, apply glass cleaner to the cloth instead of spraying it directly onto the fireplace.
- Vents: Use a vacuum or soft brush attachment to remove dust, dirt, and lint from the vent areas.
- Nano Screen: Note the screen is very fragile; care must be taken when cleaning. Use air to blow off any dust before cleaning. Then use only a high-quality microfiber cloth dampened with water to clean. Do not use abrasive cleaners or harsh liquids to clean. Avoid excess pressure on the screen when cleaning.
- Projection lens: Note the lens is fragile; care must be taken when cleaning. Turn OFF the fireplace before cleaning, and do not look into the projector lens while ON. Use air to blow off any dust before cleaning. Then use only a high-quality microfiber cloth to clean. Do not use abrasive cleaners or harsh liquids to clean. Avoid excess pressure on the lens when cleaning.

Do Not

- Do not use abrasive cleaners, liquid sprays, harsh chemicals, solvents, or scouring pads on any surface of the fireplace.
- Do not allow water or other liquids to enter the fireplace.
- Do not block or obstruct any air inlet or outlet.
- Do not operate the fireplace with an accumulation of dust or dirt on or in the unit.
- Do not attempt to open panels or disassemble internal components.

Maintenance

- Inspect and clean the fireplace and vent areas at least once per year, or more often depending on usage and installation conditions.
- Keep all air inlets and outlets clean and free from obstruction.
- When not in use for an extended period, turn power off to the fireplace.

Replacement Parts List

REF.	SPARE PARTS, PART NUMBER	NOVA 48
1	Heater Fan	01-00238
2	Heater Core	01-00239
3	Thermostat	01-00240
4	Glass Face (Front/Back)	04-00080
5	Side Glass	04-00081
6	Log Set Front	05-00229
7	Log Set Back	05-00267
8	Ember Bed LED Section	01-00241
9	Downlight LED Section	01-00243
10	Touch Control Board	01-00244
11	Main Power Switch	01-00328
12	Power/Data (UART) Board	01-00245
13	Wi-Fi Module	01-00246
14	USB Thumb Drive	01-00249
15	Main Control Board	01-00250
16	Fireplace Remote Control	01-00251
17	Power Supply	01-00255
18	Film Assembly	13-00140
19	Projection Assembly	13-00127
20	Speakers	01-00257
21	Projector Remote (Special order for service technicians only).	01-00252

Note: All warranty replacement parts are subject to approval by Modern Flames Technical Support Team. Tracking information for the returned item may be required before a replacement will be issued.

ISED Statement

This device complies with Innovation, Science and Economic Development licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference; and
(2) this device must accept any interference. Including interference that may cause undesired operation of the device.

Avis d'Industrie Canada

Le présent appareil est conforme aux Innovation, Science et développement économique aux appareils radio exem pts de licence L'exploitation est autorisée aux deux conditions suivantes:
1) l'appareil ne doit pas produire de brouillage; et
2) l'utillsateur de l'appareil doit accepterbrouillage radioélectrique subi meme si le brouillage est susceptible d'encompromettre le fonctionnement. mauvais fonctionnement de l'appareil.
CAN ICES-3 (B) / CAN NMB-3 (B)

For Fireplaces:

Radiation Exposure Statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

For Remote:

Radiation Exposure Statement:

This product complies with the ISED RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual.

Déclaration d'exposition aux radiations:

Ce produit est conforme à la limite d'exposition ISED RF définie pour un environnement non contrôlé et est sûr pour le fonctionnement prévu comme décrit dans ce manuel.

SAVE THESE INSTRUCTIONS

DO NOT RETURN TO STORE



CALL US FIRST

For immediate help with installation, product information or if your product arrives damaged, please call our toll-free number at:

1-877-246-9353

(Monday – Friday, 8:00AM – 5:00PM, AZ Mountain Time)

Or email us at:

customerservice@modernflames.com

OUR STAFF IS READY TO PROVIDE ASSISTANCE

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