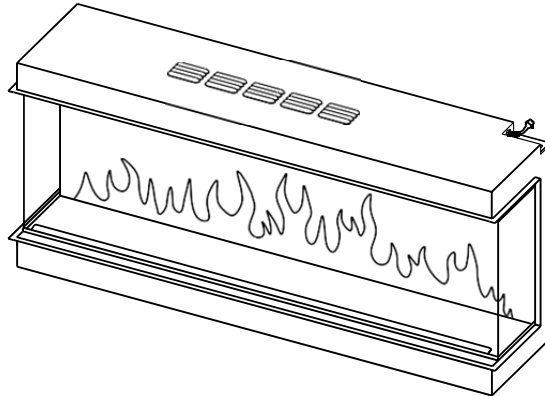


Electric Fireplace Insert

INSTRUCTION MANUAL

**MODELS: LEX1-S, LEX2-S,
LEX3-S, LEX4-S, LEX5-S**



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

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IMPORTANT SAFETY INFORMATION

- **Read all instructions before using this heater!**
- 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 1 meter (39 inches) 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 with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Disconnect power at service panel and have heater inspected by a reputable electrician before reusing.
- **INDOOR use only! NEVER** use this heater outdoors! Doing so may result in electric shock!
- To disconnect heater, turn controls to off, and turn off power to heater circuit at main disconnect panel.
- **DO NOT** run power cord under carpeting. **DO NOT** cover power cord with throw rugs, runners, or similar coverings. **DO NOT** route power cord under furniture or appliances. Arrange power cord away from traffic area, and where it will not be tripped over.
- **DO NOT** insert or allow foreign objects to enter any ventilation or exhaust opening, as this may cause electric shock or fire, or damage the heater.
- To prevent a possible fire, **DO NOT** block air intakes or exhaust in any manner.
- A heater has hot and arcing or sparking parts inside. **DO NOT** use it in areas where gasoline, paint, or flammable 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 appliance **MUST** be grounded.
- **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 or 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.
- **NEVER** hang this unit on a wall directly below an electrical outlet.
- **WARNING: DO NOT DEPEND ON THE ON/OFF SWITCH THE SOLE MEANS OF DISCONNECTING POWER WHEN SERVICING OR MOVING THE HEATER. ALWAYS UNPLUG THE POWER CORD.**
- **WARNING: REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK—DO NOT USE THIS HEATER WITH ANY SOLID STATE SPEED CONTROL DEVICES.**
- For residential use only! **NOT** for commercial use! Any commercial or public use of this heater voids all warranties, and could cause injury.
- This product is not intended to be a primary heat source. It is for supplemental heat only.
- Risk of electric shock! **DO NOT OPEN!** No user-serviceable parts inside!
- **NEVER** modify this heater. Doing so could result in personal injury or property damage. Modification of this fireplace completely voids all warranties.
- **ALWAYS** turn this heater off before unplugging it from the outlet.
- **ALWAYS** disconnect this unit from the power supply before performing any assembly or 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.
- **ONLY** use this heater on a 120V AC 15-Amp or 240V AC 15-Amp circuit. **NEVER** overload the circuit. If this heater trips the circuit breaker, unplug all other appliances on the same circuit before the next use. Avoid plugging other appliances into the same circuit as this heater.
- **NEVER** plug this heater into an outlet that is old, cracked, or has any 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.
- **ALWAYS** check your heater cord and plug connections with each use!
- **MAKE SURE** the plug fits tight in the outlet! Faulty wall outlet connections or loose plugs can cause the outlet to overheat.
- Heaters draw more current than small appliances. Overheating may occur even if it has not occurred with the use of other appliances.
- During use check frequently to see if the plug outlet or faceplate is **HOT**! If the outlet or faceplate is **HOT**, discontinue use immediately and have a qualified electrician inspect and/or replace the faulty outlets.
- 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).**

SAVE THESE INSTRUCTIONS!

APPLIANCE CERTIFICATIONS

This device has been tested in accordance with the CSA Standards for fixed and location-dedicated electric room heaters in the United States and Canada.

The appliance must be electrically wired and grounded in accordance with local codes or, in the absence of local codes, with the latest edition of the National Electrical Code ANSI/ NFPA/ 70 in the United States or the Canadian Electrical Code CSA C22.1 in Canada.

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.

FCC WARNING:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

This equipment complies with FCC 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.

IC warning

- English:

This device complies with Industry Canada 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.

- French:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC RSS-102 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.

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

TECHNICAL SPECIFICATIONS

Models No:LEX1-S,LEX2-S,LEX3-S,LEX4-S,LEX5-S

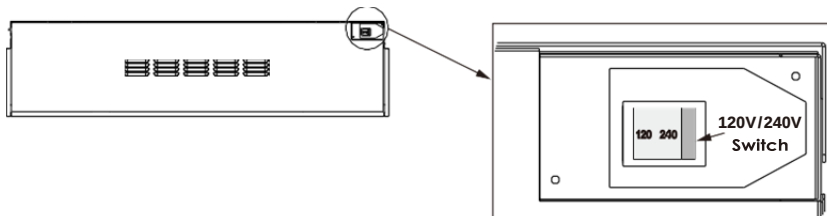
Supply Voltage: AC 120V 60Hz / AC240V 60Hz

Maximum power consumption: 1400 W / 2800 W

Power for flame and fuel bed effect:

Model	LEX1-S	LEX2-S	LEX3-S	LEX4-S	LEX5-S
Power	22.6W	29.9W	38.4W	40.3W	48.6W

To change voltage from 120V to 240V, open the metal plate from the top of the fireplace.



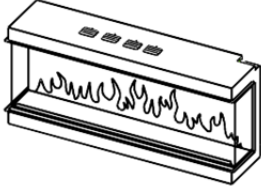
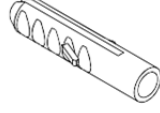
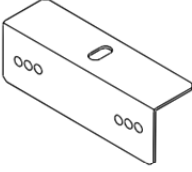
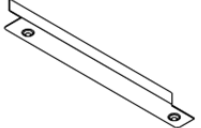
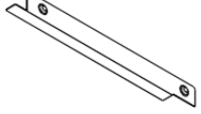
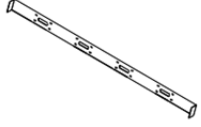
Rating Plate

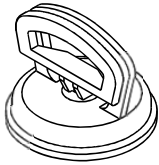
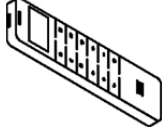
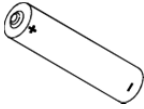
The rating plate is located inside the appliance on the right side.



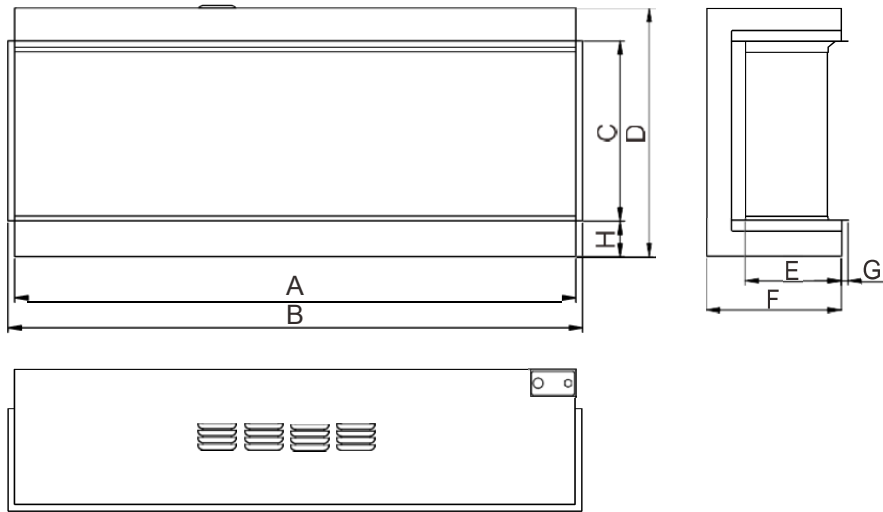
PARTS AND HARDWARE

1. Unpack the fireplace carefully and make sure that the appliance is intact with no signs of damage caused by transport and no part has been exposed to water. If in doubt, do not use the appliance and contact your retailer.
2. Keep plastic wrapping away from children.
3. Save the original packaging as this may be required in the event of service complaint with product.
4. Check that all parts are removed from the packing.

 Firebox (1 pc)	 ST4*8 Screw (5pcs)	 ST5*40 Screw (18pcs)
 ST4*40 Screw (4pcs)	 Wall Plug (18pcs)	 Lower Brackets (2 pcs) (To be used when the wall hanging bracket is used)
 Edging Strips (2 pcs)	 Edging Strips (2 pcs)	 Wall hanging bracket is attached on firebox (1 pc). Remove from appliance if you are not fixing to wall.

 Sucker EF445D/EF383D/EF346D (1 pc) EF359D/EF360D/EF384D (2 pcs)	 Black Ember Glass (1 set)	 Vermiculate (1 set)
 Remote Control (1 pc)	 AAA (R03) Battery (2 pcs)	 Simplified Instruction (1 pc)
 Instruction (1 pc)		

APPLIANCE DIMENSIONS



Model	Units	A	B	C	D	E	F	G	H
LEX1-S	mm	1000	1030	402	560	214	300	15	79
	in	39-2/5	40-1/2	15-4/5	22-1/16	8-7/16	11-13/16	9/16	3-1/8
LEX2-S	mm	1250	1280	402	560	214	300	15	79
	in	49-1/4	50-3/8	15-7/8	22-1/16	8-7/16	11-13/16	9/16	3-1/8
LEX3-S	mm	1500	1530	402	560	214	300	15	79
	in	59-1/16	60-1/4	15-7/8	22-1/16	8-7/16	11-13/16	9/16	3-1/8
LEX4-S	mm	1800	1830	402	560	214	300	15	79
	in	70-7/8	72-1/16	15-7/8	22-1/16	8-7/16	11-13/16	9/16	3-1/8
LEX5-S	mm	2200	2230	402	560	214	300	15	79
	in	86-3/5	87-4/5	15-7/8	22-1/16	8-7/16	11-13/16	9/16	3-1/8

Clearances from combustibles

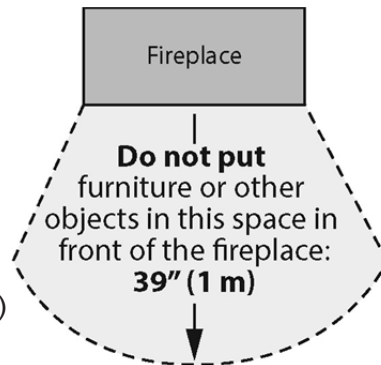
Top: 0

Bottom: 0

Closed Sides: 0

Rear: 0

Front and Open Sides: Minimum 1 m (39")



ACCESSORIES

LOG SETS

This appliance is supplied with black glass embers and vermiculite. In addition, three optional log sets are offered to complement the embers/vermiculite:

- LEXDWK—Driftwood Log Kit



- LEXSWK—Splitwood Log Kit



- LEXBLK—Birch Log Kit



For optimum log placement follow the instructions supplied with each set.

INSTALLATION INSTRUCTIONS

PREPARATION BEFORE INSTALLATION

Tools

A screwdriver, a spirit level and drill will be needed.

Appliance Location

Your new electric fireplace may be installed virtually anywhere in your home. However, when choosing a location, ensure that the general instructions are followed:

- For best result, install out of direct sunlight, water or very damp air.
- The appliance should be connected to an earthed electrical outlet and it must be easily accessible to allow disconnection.

Ensure if the appliance is installed into or in front of an open chimney/flue, then care should be taken to block off or close the chimney/flue before installation. This is necessary to prevent the suction effect of the flue having a negative effect of the heater performance.

The following is only given as a general guide because it can be installed in different ways.

Provided you ensure electric connections are safely made in accordance with the codes, various materials can be used for the framework and cladding. Ensure the framing and wall finish are self-supporting and do not rely on the appliance to support framing or wall finish. Consideration should be made to soften the internal surface of any cladding to minimize that amplification of noise.

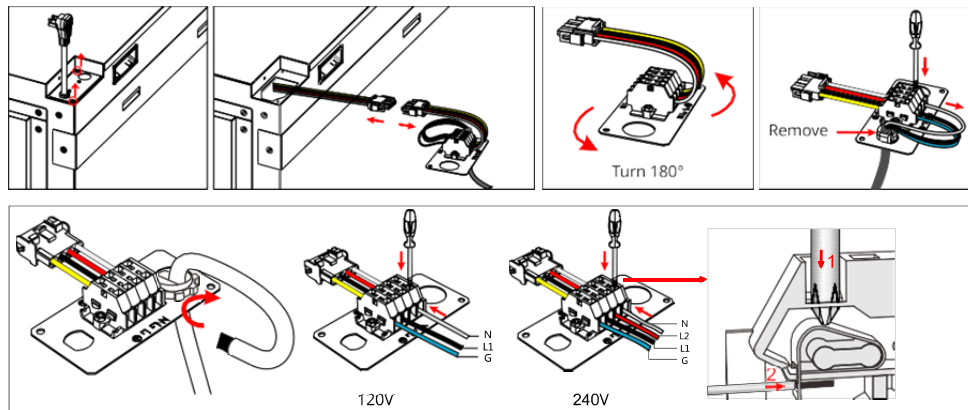
Connect the Power Supply

The power connection can be made with the 6 feet Mains Cable provided or alternatively it can be hard wired by unscrewing and removing the Access Plate, the Mains Cable and retention grommet. The access plate can be repositioned so that the 22mm hole sits over the cutout in back of appliance.

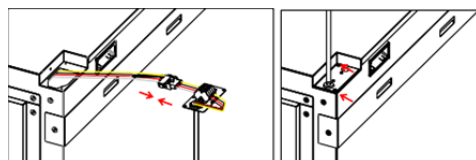
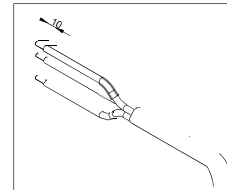
The 22mm hole can be used for hard wiring access with a strain relief clamp.

WARNING! All electrical installation must be performed by a qualified electrician and must be electrically wired and grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 0 or the Canadian Electrical Code, CSA C22.1.

Hard Wiring



NOTE: The length of stripping wire is 0.4 inches (10mm)



NOTE: A strain relief is required where the incoming wires pass through the metal plate.

Preparing The Casing

The appliance can be installed in 3 different arrangements:

Front view (only the front window is visible)

When you unpack the appliance, you will notice that the side panels have been secured to the appliance, which makes the appliance visible only on the front side.



Corner view (front and one of the side windows are visible)



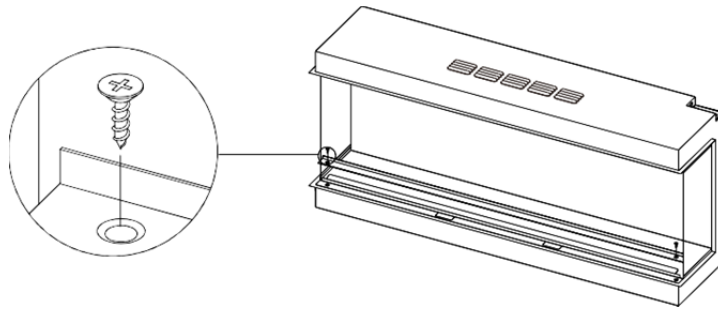
Three sides view (front and both sides windows are visible)

Remove the side panels from the ends you want to view to enable dual or triple aspect as required. Then fix the edging strips using the screws taken from the removal of the side panel(s).



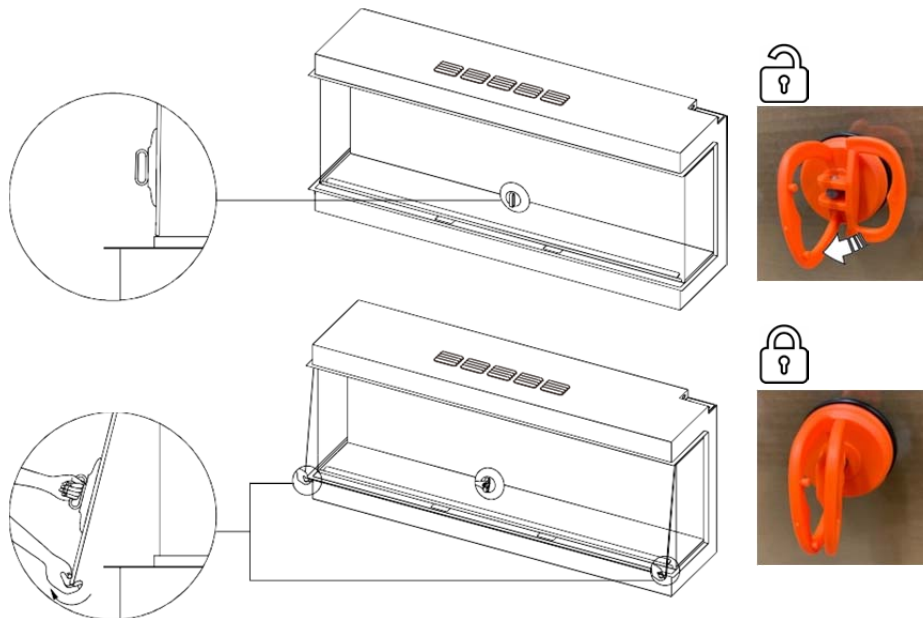
Removing the front glass panel

Remove the 2 countersunk screws and remove the glass retaining strip as shown below.



Use the suction cup(s) provided to support the middle of the glass panel and lift the panel upwards and pull it forwards at its lower edge. Carefully lift the glass away as shown below.

Suction cups
EF445D/EF383D/EF346D = 1
EF359D/EF360D/EF384D = 2



INSTALLATION

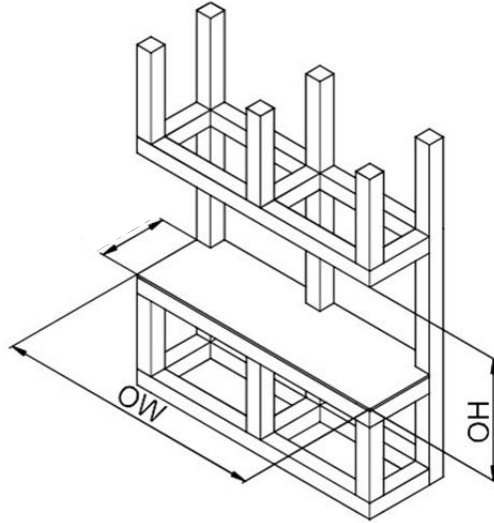
Flush Mounted Installation

Prepare the framing using the image below as a general guide.

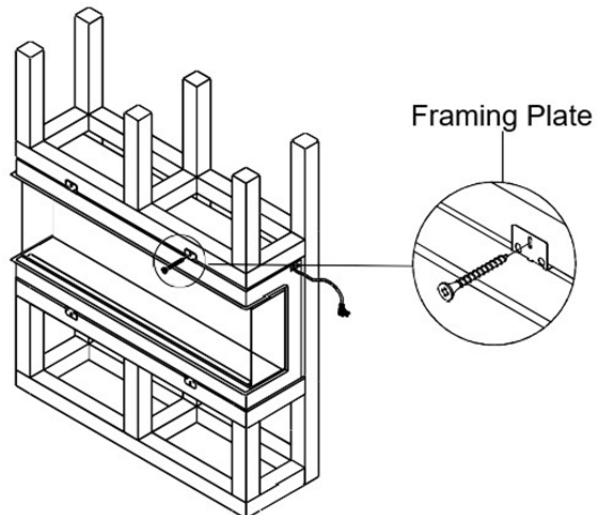
NOTE: Ensure a firm flat positioning of the appliance and secure fixing to avoid vibration and movement of the appliance after applying wall finish.

Units = mm [inches]

Model	Overall Width	Overall Height
LEX1-S	1010 [39-3/4]	575 [22-11/16]
LEX2-S	1260 [49-5/8]	575 [22-11/16]
LEX3-S	1510 [59-1/2]	575 [22-11/16]
LEX4-S	1810 [71-5/16]	575 [22-11/16]
LEX5-S	2210 [87]	575 [22-11/16]

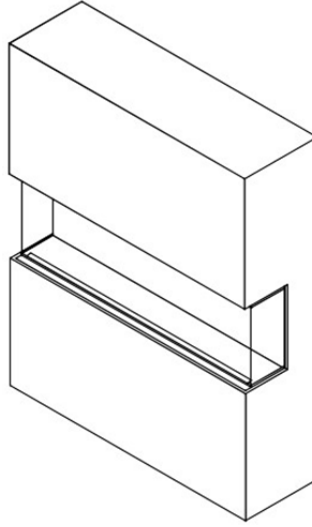


Push the appliance into the framing and bend out the four brackets on the upper and lower edges of the appliance; secure it to the framing with screws provided.



Wall finish

NOTE: Hard surfaces can amplify sound. Consider adding some underlay or similar to the inside surface of the wall finish.



Fuel Bed

Once the appliance is in final place, install the fuel bed. It helps to turn the fireplace's lights on when placing the logs to highlight their details. See *Operations Instructions* for all the details.

Log Sets

See Accessories section of this manual for optional log sets.

If you have purchased a log set, unpack the logs carefully, then place them according to the instructions provided with the set.

Glass Embers and Vermiculite

Glass embers and vermiculite are provided with the fireplace.

Lay the Glass Embers evenly around the logs to cover the bottom of the bed.

Sprinkle the Vermiculite into the gaps between the Glass Embers.

Reinstall the Glass

In reverse order, reinstall the glass on the fireplace, being very careful when manipulating it.

1. Slide the glass pane behind the top black strip then push the bottom in place.
2. Reinstall the glass retaining strip securing it with two screws.

OPERATING INSTRUCTIONS

BEFORE OPERATION:

WARNING!

Do not operate the appliance if it is damaged or malfunctions. If you suspect the appliance is damaged or malfunctions, call a qualified service engineer to inspect the appliance, and replace any part of the electrical system if necessary before reusing.

WARNING!

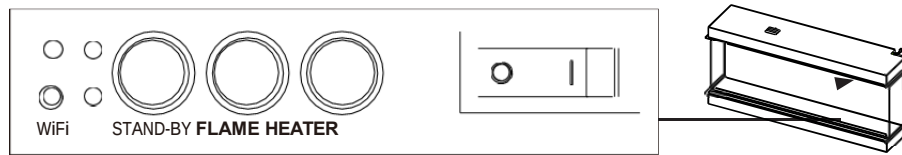
To reduce the risk of fire, keep textiles, curtains, and any other flammable material a minimum distance of 1 meter (39 inches) from the air outlet.

MAKE SURE the plug fits tight in the outlet. Faulty wall outlet connections or loose plugs can cause the outlet to overheat.

Do not disconnect the power at the mains supply whilst the appliance is running. Use the functions on the remote to turn the fire off and ensure the mains switch has been moved to the off position before disconnecting.

The appliance can be operated conveniently in 3 different ways: manually, via the remote control handset or via the dedicated iOS/Android app.

MANUAL CONTROL



MANUAL SWITCH

Press “I” to turn on the appliance; press “O” to turn it off.

STAND-BY

Press to turn on the appliance with the last used settings without any heat. Places the appliance into standby mode with all features turned off.

FLAME

Press repeatedly to cycle through 6 fire preset modes and 3 user defined presets if programmed.

HEATER

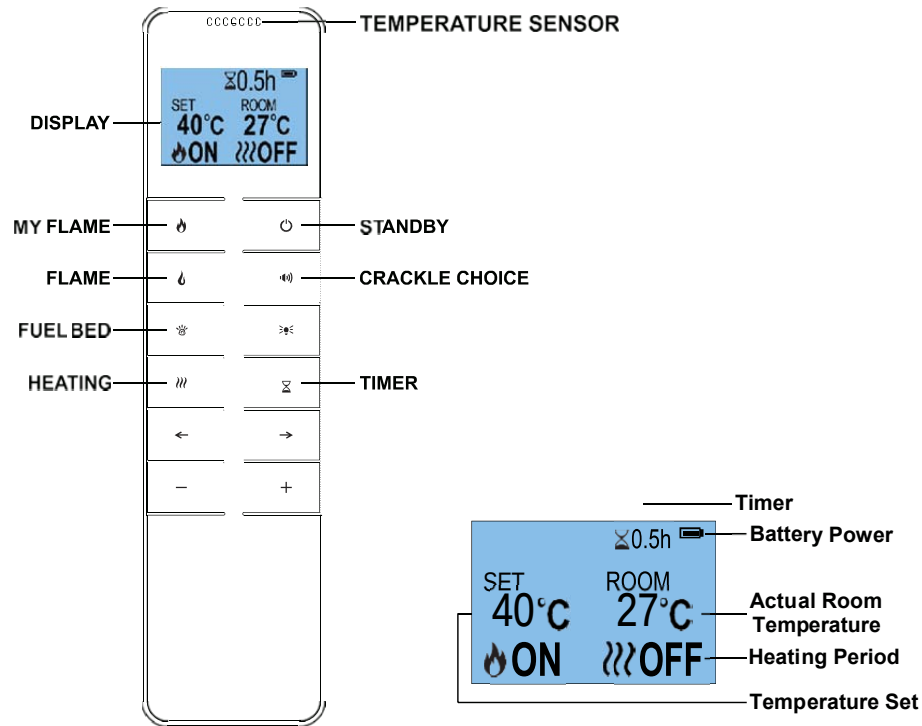
Press to cycle through the heat output options. ON-OFF-AUTO.

WIFI

Press to turn WiFi on or off. An illuminated LED on the button indicates that WiFi is turned on. Hold button for 3 seconds to enter device pairing mode.

Each time a button is pressed on the appliance or on the remote control, an audible beep is emitted. To turn off this feature, keep pressing the button **FLAME** for 3 seconds until you hear two beeps.

REMOTE CONTROL



NOTE: The remote control handset must be left in the same room as the appliance because it houses the thermostat that regulates heat output. Also, when using the APP, the remote must also be in the same room and have batteries fitted and working to ensure accurate temperature control.

Remote Control Setup

The communication frequency between the appliance and remote has already been set up. If you have difficulty with the remote communicating with the appliance, press and hold the Standby button on the appliance until you hear two beeps, then release the button. Press the Standby button  on the remote control handset and you will hear one beep. The remote is connected with the appliance.

MY Flame

Press  to enter MyFlame adjustment screen.

Press  and  to select 6 My Flame modes (+3 user defined presets if programmed).

There are 3 preset slots allocated for the user to save personalised settings. Simply choose the flame color and brightness level, the fuel color and brightness level. Once you have selected your desired combination, press  and hold the My Flame button for 3 seconds until the LCD displays My Flame save to 7.

Press  or  buttons to select a slot number between 7 and 9. Press and hold  for 3 seconds to confirm the preset.

Flame Effect

Press  once to enter flame adjustment screen.

Press  and  buttons to select 3 different flame colors and OFF setting.

Press  and  buttons to select 5 levels of brightness.

Fuel Bed

Press  once to enter fuel bed adjustment screen.

Press  and  buttons to select 9 different fuel bed colors and OFF setting. The ninth is the color cycle mode.

Press  and  buttons to select the 5 levels of brightness.

Crackle Choice

Press  to open sound effect menu.

Press  and  buttons to select between 2 sound effects and OFF.

Press  and  buttons to adjust 5 levels of volume.

Heater Mode

Press  to cycle through the heat output options: ON-OFF-AUTO.

To switch between °C/°F, press and hold  button for 3 seconds.

Press  and  buttons to adjust the temperature you want the room to reach, from 5 to 40 °C (41 to 99 °F).

NOTE: It is normal for the fan heater to stop running for periods of time. This happens because the room temperature is at or above the temperature set on the remote control.

Timer Mode

NOTE: This setting is only for operating in normal mode. It allows the appliance to go into standby after a set period of time.

Press  to cycle through the settings from 0.5 hour to 10 hours, and then OFF.

Adaptive Start Control

Learning from the previous heating cycle enables the appliance to judge the appropriate advance time to turn on the heater to ensure that the set temperature is reached at the set time. For example, if your timer is set to start at 18:00 (6 pm) and temperature is set to 23 °C (73 °F), the fire may for example come on at 17:30 (5:30 pm) to ensure the room is 23 °C at 18:00.

Window Open Detection

When the transmitter detects a rapid drop in room temperature, it will be judged as a window open, the warning icon will be displayed and the heater will be turned off automatically.

After the indoor temperature has risen or a manual override of the warning (by operating remote control) has been done, the fire will return to normal working state.

Important Safety Information for Remote Control

- To remove the batteries, open the back cover of the remote control handset and replace with new ones. Pay attention to the positive and negative poles.
- Two AAA alkaline batteries are required for the remote control.
- Exhausted batteries are to be removed from the appliance and safely disposed of.
- These non-rechargeable batteries are not to be recharged.
- Different types of batteries or new and used batteries are not to be mixed.
- Batteries are to be inserted with the correct polarity.
- If the appliance is to be stored unused for a long period, the batteries should be removed.
- The supply terminals are not to be short-circuited.

Resetting the Thermal Cut Out

The appliance is fitted with an Electric Safety Control (E.S.). This is a safety device, which switches off the fire if, for any reason, the appliance overheats, e.g. when covered. If the heater stops operating while the flame effect continues working normally, this indicates that the E.S. Control is in operation. The E.S. Control can only be reset after the appliance has cooled down, and the appliance has been reset. To reset the E.S. Control proceed as follow:

1. Switch off the appliance (Manual switch) and leave it off for approximatively 10–15 minutes.
2. Shut-off the power supply to the appliance at the electric panel or disconnect the appliance's plug from the socket.
3. Remove any obstruction to the fan heater outlet or fan blades, etc.
4. Reconnect the power and switch on the appliance and the E.S. Control will be reset.
5. Ensure the appliance is functioning correctly. If the E.S. Control operates again, the appliance should be checked by a competent electrician.

APP CONTROL

Visit your APP store for iOS or Android to download the C&JsmartFIRE APP. Or use the QR code on this page. Follow your devices onscreen instructions to create an account. Once installed, follow the procedure below to pair the device with your appliance.

1. Start the APP and click “Add Device” on screen. Click “smartFIRE”, then select WiFi network and enter the password.
NOTE: Your device must also be connected to the same home network that you wish to connect the appliance to.
2. Ensure the appliance is powered on, then press and hold the WiFi button on the appliance until you hear 3 beeps at EZ mode. At the same time, the WiFi indicator and the fuel bed will blink.
3. Follow the instructions on APP to choose the EZ mode and confirm the indicator is flashing. Click Next and start to add the device. If failed at EZ mode, try AP mode. Press the WiFi button; you will hear 3 beeps. Keep pressing until you hear another 5 beeps to enter AP mode, and then follow the instructions on APP to choose the AP mode and confirm the indicator is flashing. Click “Go to Connect” and choose a WiFi called “SmaltLife-XXX” and start to add the device.

We have created a very detailed APP Operation instructions and videos to guide you through the process of loading the APP, Creating an account, Pairing your appliance to your smart phone and operate the appliance. Scan the QR code below or the one on the back of the remote to be taken to the operation instructions or the videos.



APP Download



Operation instruction
and Video

MAINTENANCE

WARNING:

Before any maintenance or cleaning of the exterior of the fireplace, the unit should be disconnected from the power supply AND cooled off.

ALWAYS turn the heater OFF and unplug the power cord from the outlet before cleaning, performing maintenance, or moving this fireplace. Failure to do so could result in electric shock, fire, or personal injury.

Remote Control Battery Replacement

When the batteries are all full power, the battery symbol will show .

When the batteries are half full, the battery symbol will show .

When the batteries are out of power and need replacing immediately, the battery symbol will show .

Cleaning the Fireplace

Cleaning or polishing products are not recommended. Fingerprints or other marks on the front glass panel can be removed by a piece of soft, damp, lint-free cloth with a good quality household glass cleaner.

The front glass panel should always be completely dried with a clean, lint-free cloth or paper towel. NEVER immerse in water or spray with water. Doing so could result in electric shock, fire, or personal injury.

Caution: Abrasive cleaners should not be used on the glass panel.

Liquids should not be sprayed directly onto any surface of the unit.

SERVICE PARTSLIST&WIRING DIAGRAM

