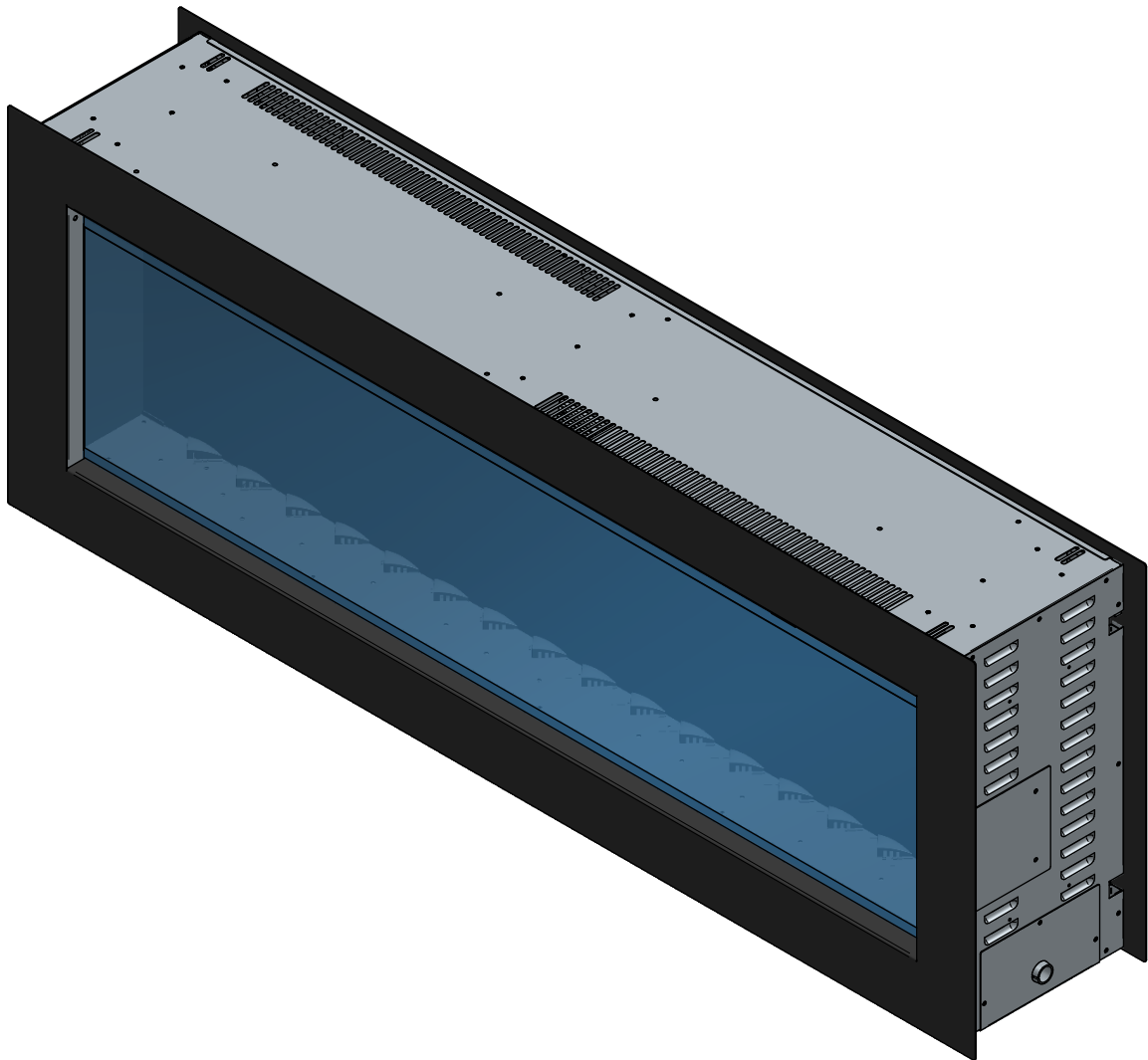


ilektrø Range

1250 Tunnel

USER INSTRUCTIONS AND INSTALLATION MANUAL



Version 3 07/07/25

Contents of manual may be updated without notice.

For the latest version of this manual please refer to our
website: www.paulagnewdesigns.com

PAUL AGNEW | **DESIGNS**

IMPORTANT SAFETY INFORMATION! **WARNING**

When using electrical appliances basic precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

- Read all instructions before using this heater.
- This heater is hot when in use. To avoid burning, do not touch hot surface. If provided, use handles when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 1 m from the front of the heater and keep them away from the sides and rear. In order to avoid overheating, do not cover the heater.
- Extreme caution is necessary when any heater is used near children or the infirm and whenever the heater is left operating and unattended.
- If leaving for an extended period, it is suggested that you turn the power off to the unit.
- Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped damaged in any manner, return heater to authorized service facility for examination, electrical or mechanical adjustment, or repair.
- Indoor use only, do not use outdoors.
- This heater is not intended for use in bathrooms, laundry areas and similar indoor locations. Never locate heater where it may fall into a bathtub or other water container.
- 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 tipped over.
- To disconnect heater, turn controls to off, then remove plug from outlet.
- Do not inset or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
- 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.
- A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, or flammable liquids are used or stored.
- Use this heater only as describes in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- DANGER-HIGH Temperatures may be generated under certain abnormal conditions. Do not partially or fully cover or obstruct the front of this heater.
- Replacement of the lamps should be done only while the heater is disconnected from the supply circuit.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- CAUTION: In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

Preparation

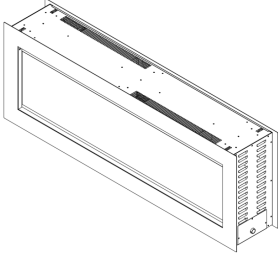
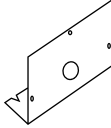
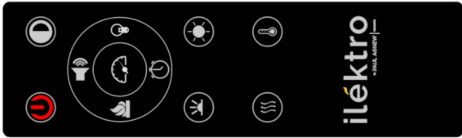


This product includes a **GLASS panel** ! Always use **extreme caution** when handling glass. Failure to do so could result in **personal injury or property damage**.

Remove all parts and hardware from the carton and place them on a clean, soft, dry surface. Parts and assembly steps are grouped for wall-hanging or recessing use. Check the parts list to make sure nothing is missing. Dispose of packaging materials properly. Please recycle whenever possible.

You will need the following tools (not included): Phillips screwdriver; stud finder; level; tape measure; electric drill; 1/4" wood drill bit, hammer.

Parts and Hardware

 A – Fireplace		
	B – Metal Screws	C – Mounting Bracket
		
		E – Strain Relief
		
F – Gloves	G – Crushed glass	H – Pine Bark
		
I – Remote Control		

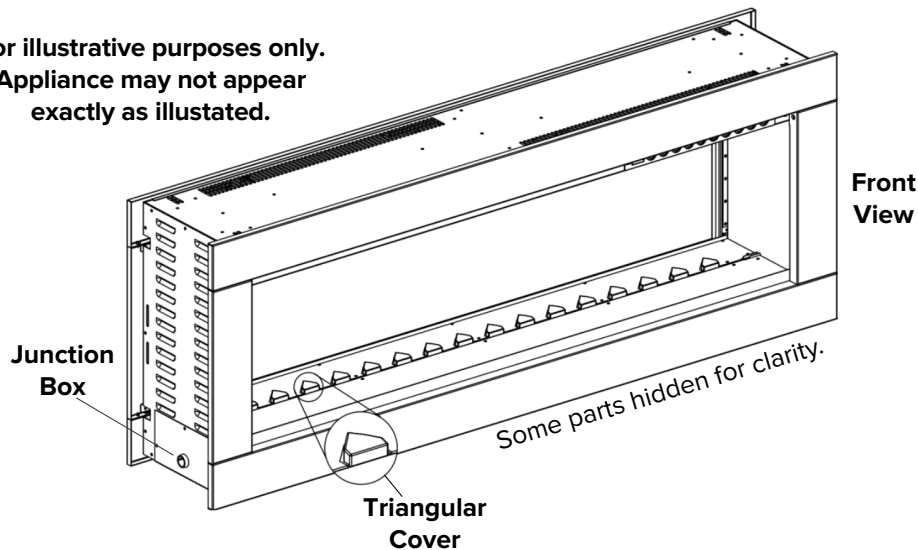
Installation and Assembly

This is a see-thru electric appliance installed into a wall. Select a suitable location that is not susceptible to moisture and is away from drapes, furniture and high traffic areas.

NOTE: Follow all National and local electrical codes.

To determine the front of the appliance, ensure the junction box is located on the left side of the appliance and the triangular covers are located on the other side of the firebox (see below).

For illustrative purposes only.
Appliance may not appear
exactly as illustrated.



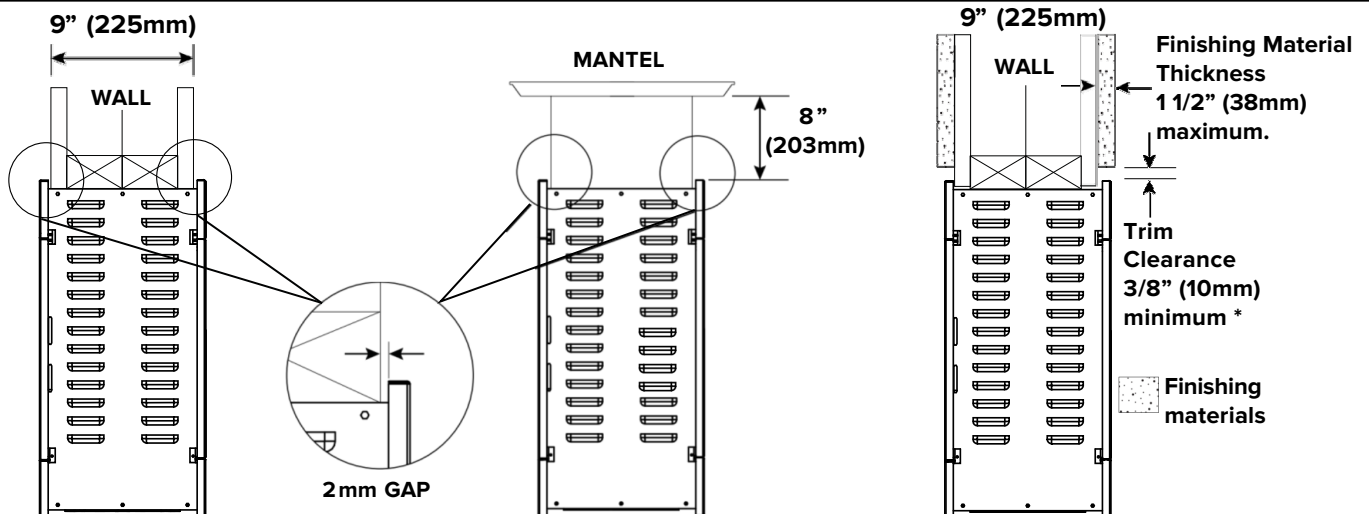
MINIMUM CLEARANCE TO COMBUSTIBLES

Measurements are taken from the front trim			
Bottom	0"	Top	8" (300mm) to mantel
Sides	0"		
Front / Back	36" (914mm)		

MINIMUM MANTEL CLEARANCES

WARNING

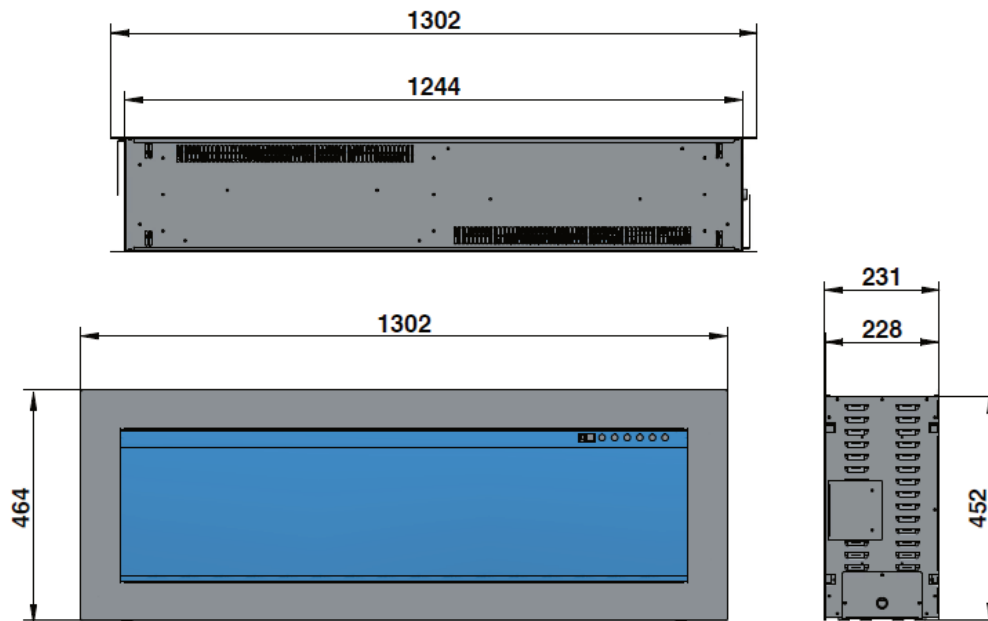
WHEN USING PAINT OR LACQUER TO FINISH THE MANTEL, THE PAINT OR LACQUER MUST BE HEAT RESISTANT TO PREVENT DISCOLOURATION.



ilektro 1250 Tunnel

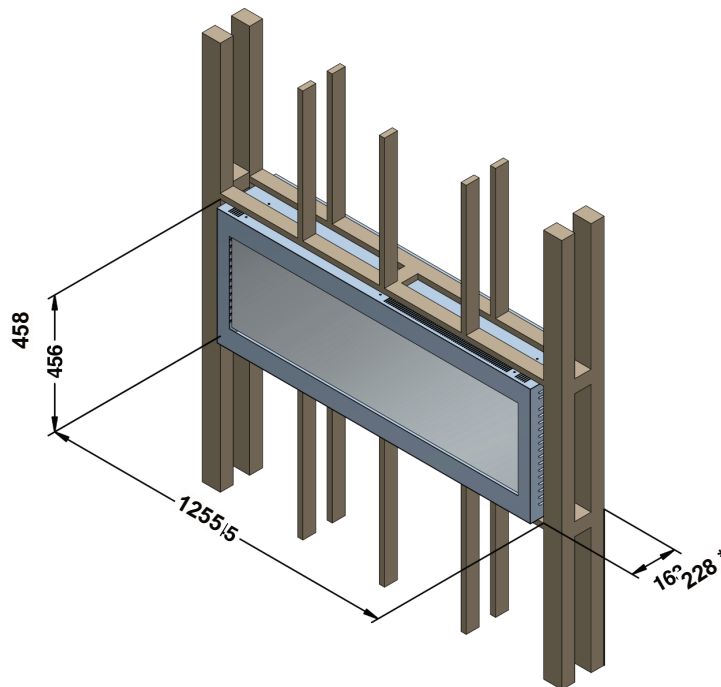
APPLIANCE DIMENSIONS

Product Code: 1250 Tunnel



FRAME BUILD OUT DIMENSIONS (All dimensions are in millimetres)

H - MIN	W - MIN	C - CAVITY DEPTH
458	1255	228

**NOTE:**

Remove trim as per the step in the page number 2, before placing the fireplace into the frame structure.

Fig 1 : FRAME SPECIFICATION

* This measurement includes thickness of finishing materials

PLEASE NOTE: DIMENSIONS ARE FOR REFERENCE ONLY - CONSULT YOUR INSTALLER AND RETAILER FOR GUIDANCE

Installing the appliance

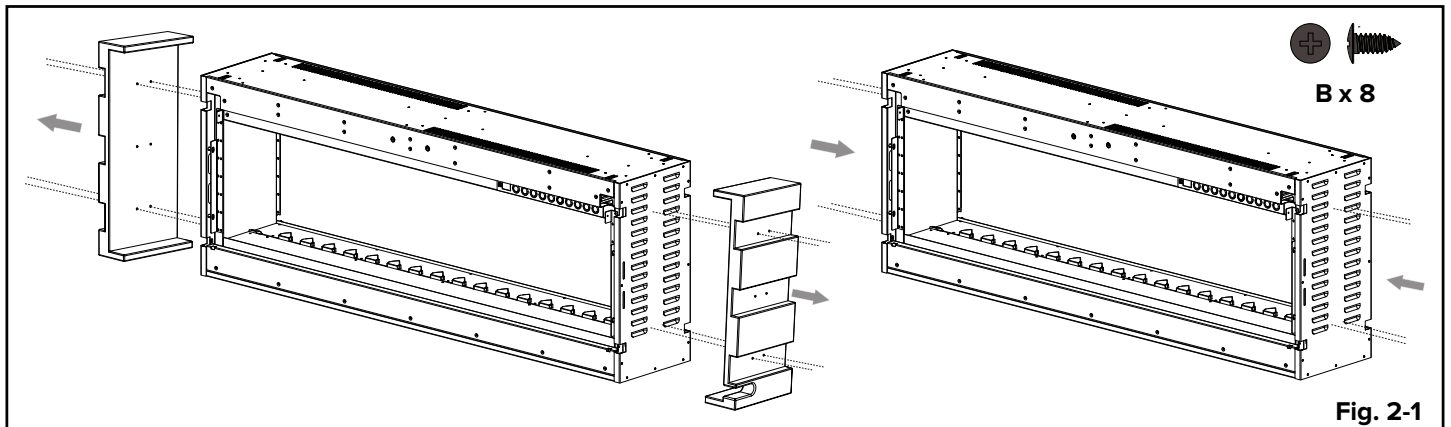
NOTE

It is recommended to have the walls of the appliance enclosure be finished (i.e. drywall) to avoid exposed insulation or vapour barrier coming in contact with the appliance. This will ensure clearance to combustibles is maintained.

Wall anchors are not required when screwing into the wall stud.

It is recommended to use a magnetic screwdriver bit during installation to prevent the screws from falling into the appliance.

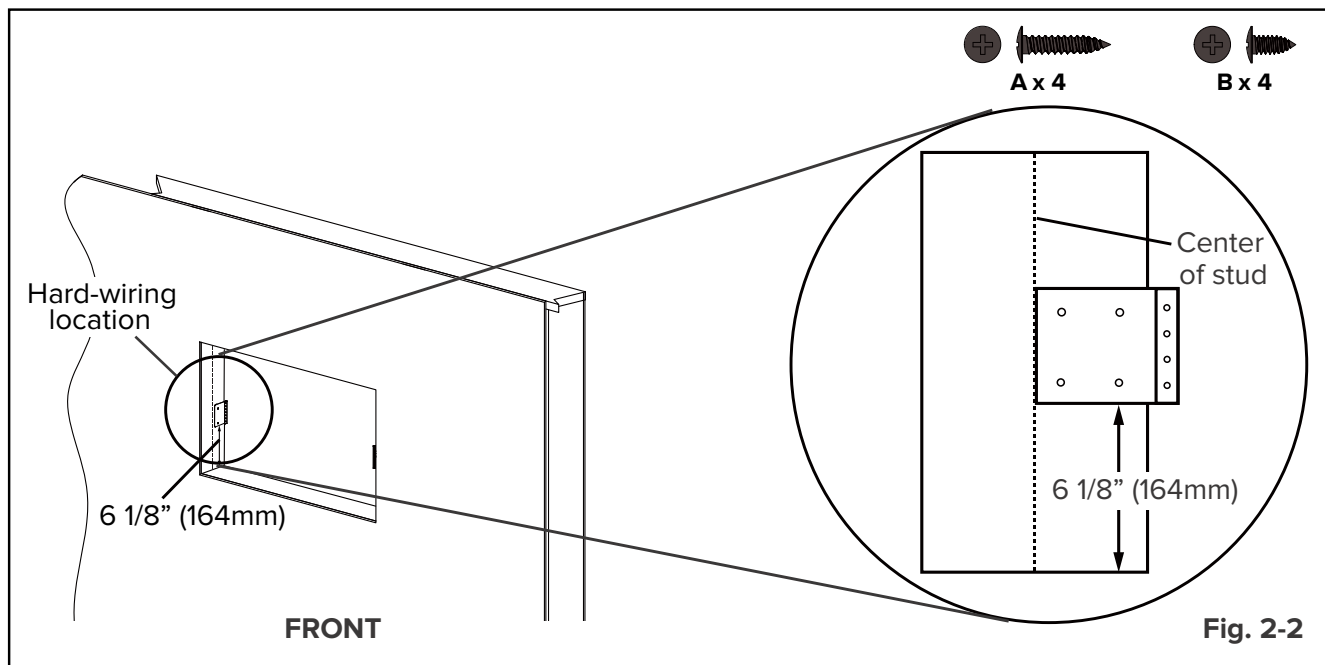
- A. Frame an opening (see “framing” section for details).
- B. Make hardwire connections on the left of the intended front side or connect cable to appliance to internal socket in wall/framing.
- C. Remove the front trims of the appliance (see “front trim removal / installation” section).
- D. Remove the front glass from the appliance (see “front glass removal / installation” section).
- E. Remove the 2 MDF support ends from the appliance by removing the screws. Discard both MDF boards. Use 4 new screws (supplied) on each side to cover MDF board screw holes (**Fig. 2-1**).



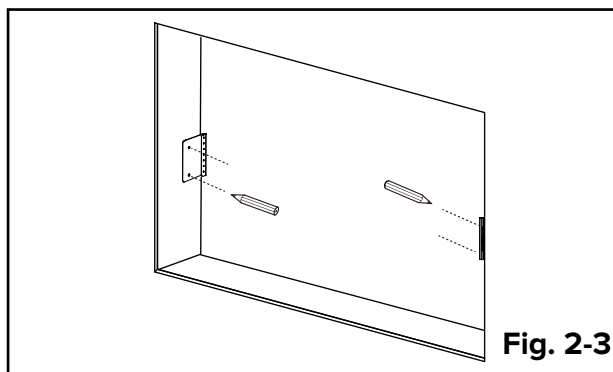
NOTE

Installation uses 2 mounting brackets in opposite corners. Looking at the stud from the centre of the opening, the brackets will extend out to the right (**Fig. 2-2**).

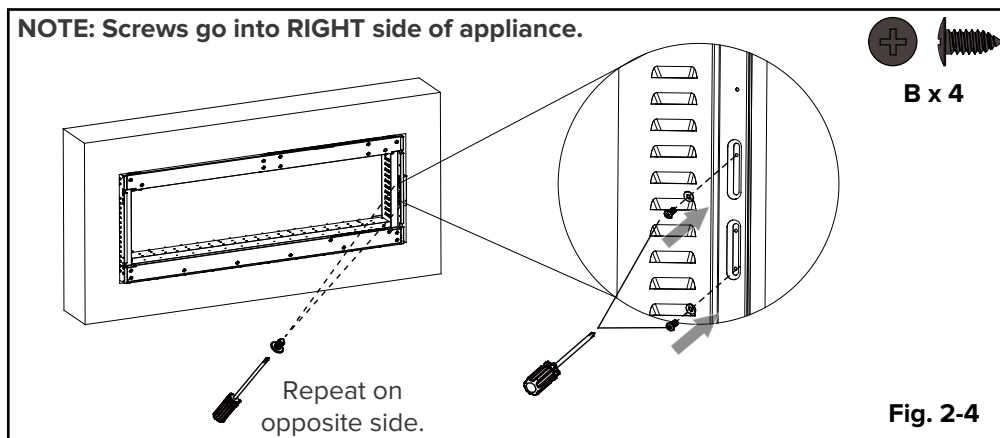
- F. Mark the centre of the wall depth on the vertical stud and install the mounting brackets by aligning the edge of the bracket with the centre marking. Measure 6 1/8" (164mm) from the bottom of the bracket to the bottom of the opening (**Fig. 2-2**).



- G. Mark the holes for the mounting bracket. Ensure the marked holes are on opposite sides, as the brackets cannot be mounted on the same side (**Fig. 2-3**).



- H. Drill marked holes and secure the mounting brackets with screws (supplied).
 I. Locate the appliance to the opening and position so that the hard wiring connections can be made (see “hardwiring” section).
 J. Locate the appliance fully into the opening and position against the mounting brackets. Align the bracket screw hole with the slots in the side of the appliance and screw through the slots to secure the appliance into the mounting brackets. Repeat on opposite side (**Fig. 2-4**).



- K. Install media (see “media installation” section).
- L. Reinstall front glass and front trim (see “front glass removal / installation” and “front trim removal / installation” sections).

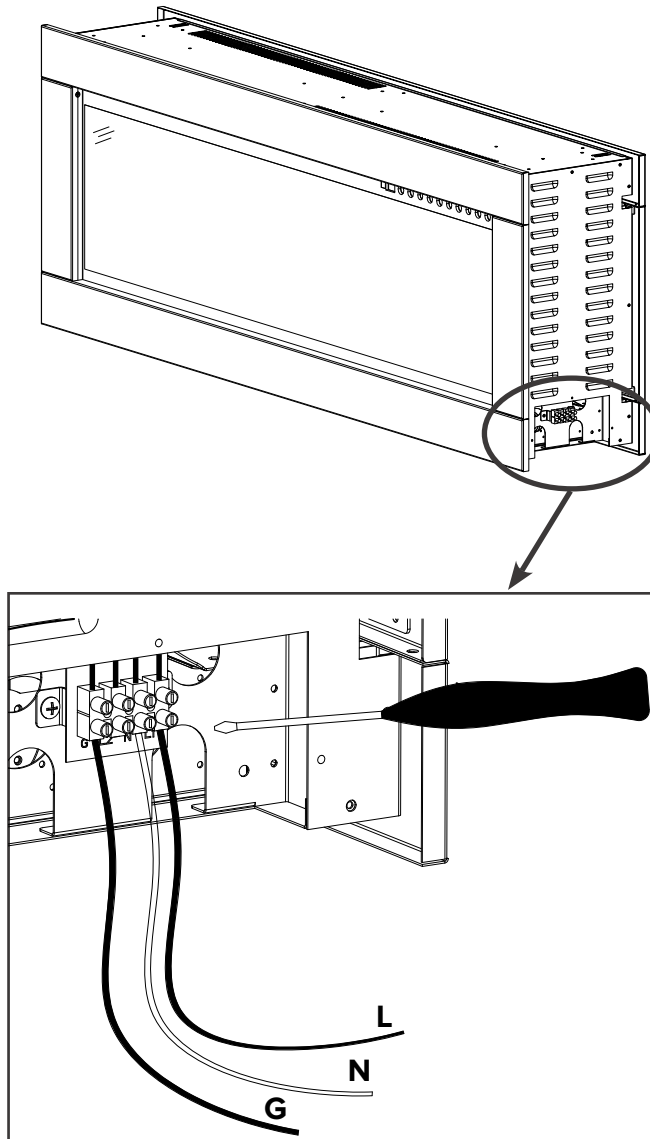
Hard-wiring installation

WARNING

Turn off the appliance completely and let cool before servicing. Only a qualified service person should service and repair this electric appliance.

Hard-Wiring Connection

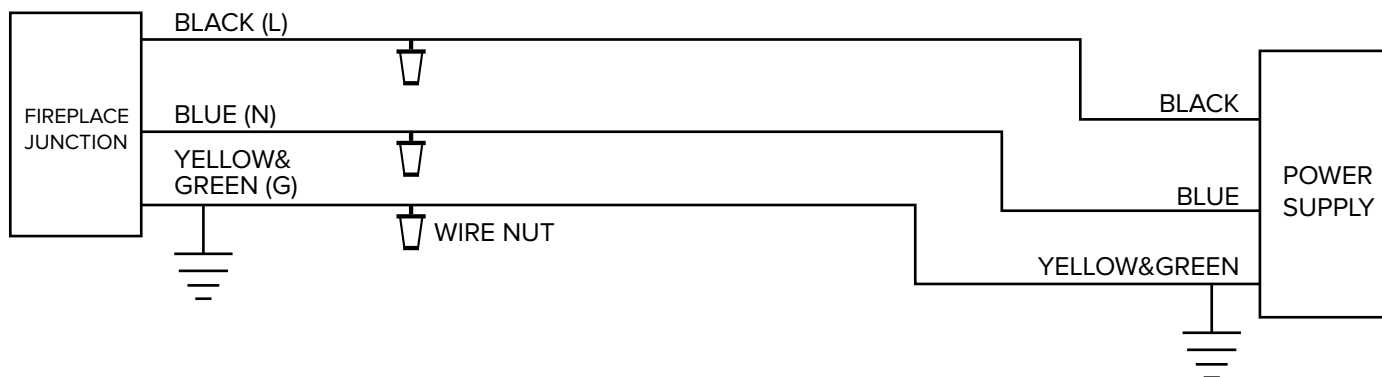
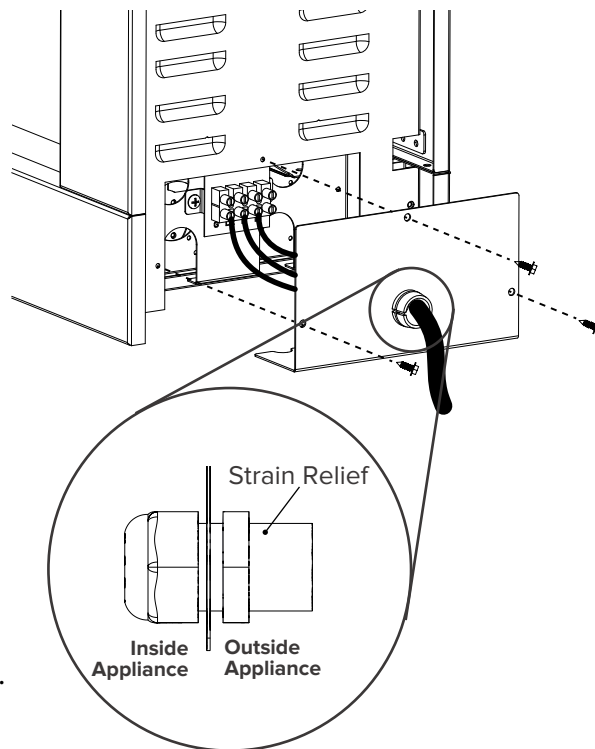
It is possible to hard-wire this appliance. A qualified electrician must wire the appliance directly to the household wiring.



Hard-Wiring

Hard-wire connection

- A.** Remove the cover plate by remove the 3 screws. Set screws aside.
- B.** Add a strain relief and feed the supply wires through the 7/8" (22mm) hole from the terminal block.
- C.** Loosen the securing screws from the terminal block for the Yellow & Green (G) wire. Insert Yellow & Green (G) or bare copper wire from power supply to the designated (G) slots in the terminal block. Secure by tightening the screws on the (G) slots.
- D.** Loosen the securing screws from the terminal block for the Blue (N) wire. Insert Blue (N) wire from power supply to the designated (N) slots in the terminal block. Secure by tightening the screws on the (N) slots.
- E.** Loosen the securing screws from the terminal block for the Black (L) wire. Insert Black (L) wire from power supply to the designated (L) slots in the terminal block. Secure by tightening the screws on the (L) slots.
- F.** Reinstall the cover plate.



NOTE

Leave enough wiring so that the appliance can be removed from the enclosure to access the hardwire connections.

If connections are wired incorrectly, the appliance will not function and will emit an audible warning (i.e. beep).

Front trim removal / installation

⚠ WARNING

- Before the front trim or glass is removed or installed, unplug the appliance and wait until it is cool to the touch.
- Trim can be heavy and fragile. Handle with care.

NOTE

Removal / installation steps are the same for both sides of appliance (i.e. front and back).

- Remove the 2 screws holding the front trim in place (**Fig. 4-1**). Set screws aside.
- Have 2 people lift the front trim off the hooks located inside the firebox (**Fig. 4-2**). Place front trim face down on a soft, non-abrasive surface.
- Reverse these steps to install the front trim.

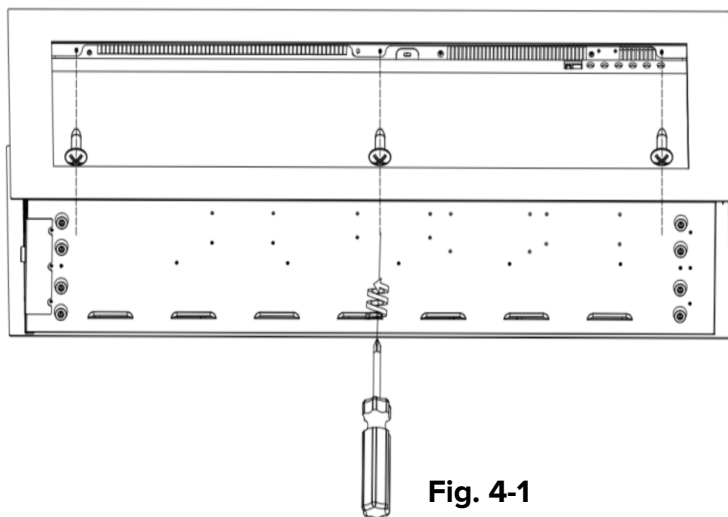


Fig. 4-1

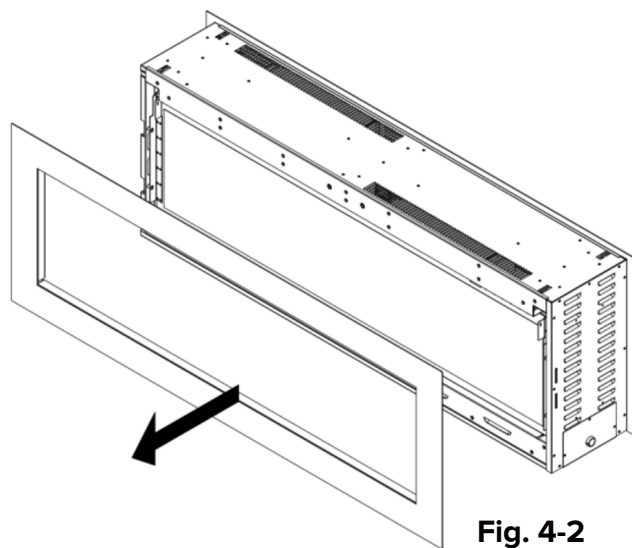


Fig. 4-2

Front glass removal / installation

- Remove the 5 screws holding the front glass in place (**Fig. 4-3**).
- Have 2 people lift the front glass up and out, pivoting it away from the side panels (**Fig. 4-4**). Place the front glass face down on a soft, non-abrasive surface.
- Reverse these steps to install the front glass.

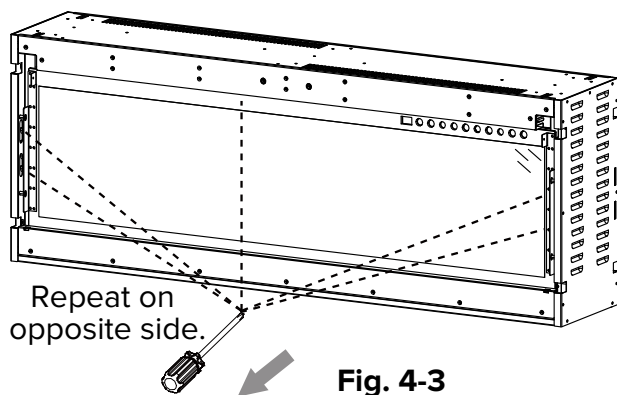


Fig. 4-3

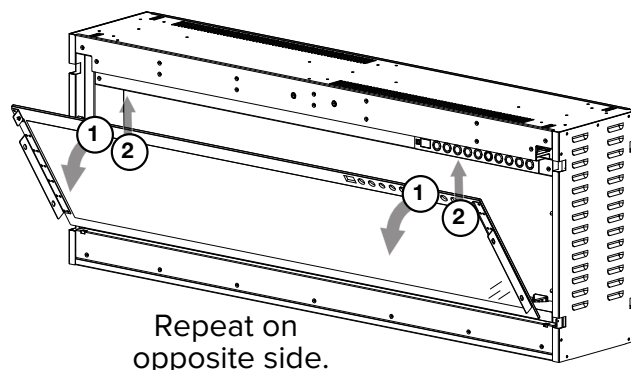


Fig. 4-4

Crushed glass and log installation

The front glass must be removed and the appliance must be secured in its final location before the crushed glass and logs are installed.

1. Carefully place the crushed glass or log into the media tray on the front and back of the appliance in an equal space.
2. Apply an even layer of small crushed glass from side to side.

NOTE

DO NOT cover triangular covers on the back side of the appliance. Blocking the triangular covers with media will alter the flame appearance (**Fig. 4-6**).



Fig. 4-5

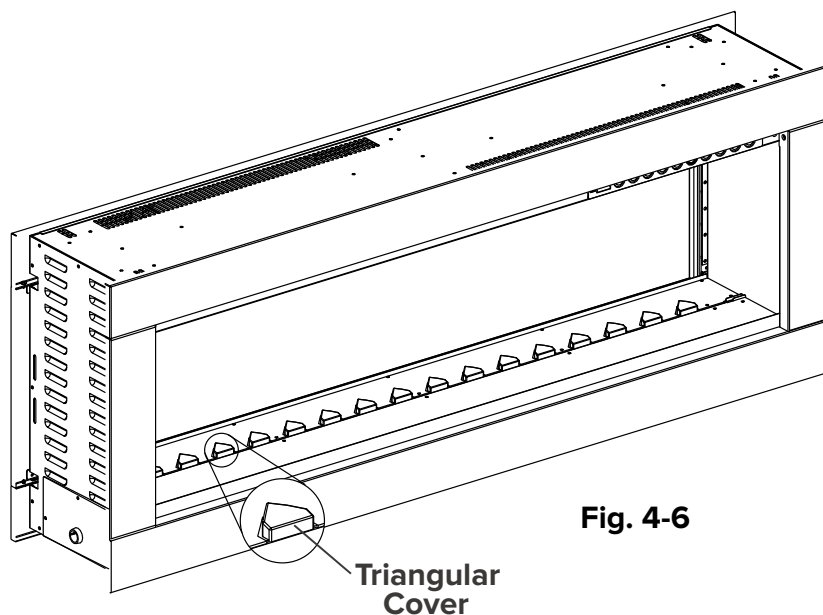


Fig. 4-6

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.**

⚠ WARNING

While the appliance is operating, do not remove the trim. This will cause the remote control and touch panel to malfunction.

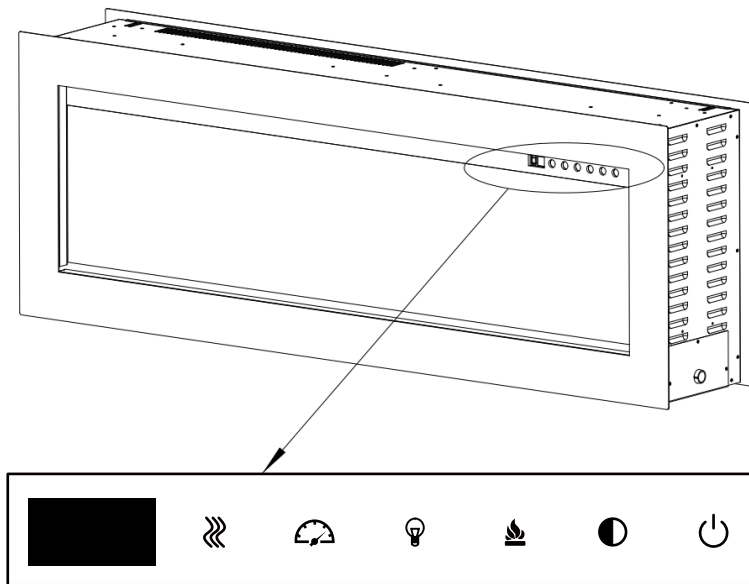
Power

Plug the power cord into a 220-240 Volt grounded outlet (see **IMPORTANT SAFETY INFORMATION** on **Page 2**). Make sure the outlet is in good condition and that the plug is not loose. **NEVER** exceed the maximum amperage for the circuit. **DO NOT** plug other appliances into the same circuit.

Methods of Operation

This electric fireplace can be operated by the TOUCH PANEL, located on the upper right side of the fireplace (see below picture), or by the battery-powered REMOTE CONTROL.

Before operating, please review the **IMPORTANT SAFETY INFORMATION** on **Page 2**, and heed all warnings.



touch panel

For illustrative purposes only. Touch panel may not always appear as illustrated.



remote control

Touch Panel / Remote Control Operation

BUTTON	FUNCTION	ACTION & INDICATION
	Power	Turns the fireplace on/off.
	Privacy glass control	Controls the privacy glass. Settings: G-1 - Half transparent mode (default) G-2 - Full transparent mode G-0 - No transparent mode Press and hold the button for 5 seconds to lock/unlock the privacy glass to G-0 status. When unlocked, the appliance will return to G-1 (default).
	Flame color	Controls the flame color Settings: 01 - orange 02 - red 03 - orange+red
	Flame brightness	Controls the flame brightness Settings: F4 - 100% F3 - 80% F2 - 60% F1 - 25% F0 - off
	Flame speed	Controls the flame speed Settings: 03 - 12 PRM/min 04 - 13.5 PRM/min 05 - 15 PRM/min 01 - 9 PRM/min 02 - 10.5 PRM/min
	Sound	Controls the sound Settings: S2 (medium) S1 (low) S0 (off) S3 (high)

	Heater	Turns the heater and blower on/off. Settings: H0 - Heater and blower off F - Blower on H1 - Low heat H2 - High heat NOTE: Press and hold the heater button for 5 seconds to lock / unlock the heater and thermostat. NOTE: Each side of the appliance has an independent heater control.
	Timer	Controls the timer. Settings: 00 30min 1h 2h 3h 4h 5h 6h 7h 8h
	Temperature	Controls the temperature. Settings: 64°F [18 °C] 66°F [19 °C] 68°F [20°C] 70°F [21 °C] 72°F [22°C] 74°F [23°C] 76°F [24°C] 78°F [25°C] 80°F [26°C] 82°F [27°C]

	Ember bed color	Controls ember bed light. Settings: 01 - orange 02 - red 03 - blue 04 - yellow 05 - green 06 - purple 07 - sky blue 08 - purple red 09 - white 10 - pink 11 - auto-cycle 12 - lock a colour during 11 cycle
	Ember bed brightness	Controls the brightness of the ember bed light. NOTE: If the ember bed colour is set to 11, the ember bed brightness setting can not be changed. Settings: - b5 - fade in and out - b4 - 100% (default) - b3 - 75% - b2 - 50% - b1 - 25% - b0 - off

NOTICE

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.

NOTICE

To improve operation, aim the remote control at the front of the fireplace. **DO NOT press the buttons too quickly.** Give the unit time to respond to each command.

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:

1. Unplug the power cord from the outlet.
2. Turn the ON/OFF switch on the CONTROL PANEL to OFF. Wait 5 minutes.
3. Inspect the fireplace to make sure no vents are blocked, or clogged with dust or lint. If they are, use a vacuum to clean the vent areas.
4. With the POWER switch in the OFF position, plug the power cord back into the outlet.
5. If the problem continues, have your outlet and wiring inspected by a professional.

Remote Control Battery Information

This remote control uses one **CR2025** battery (**included**).



NEVER dispose of batteries in fire. Failure to observe this precaution **may result in an explosion.** Dispose of batteries at your local hazardous material processing center.

APP CONNECTION INSTRUCTIONS

1. App download

- Download "**Tuya Smart**" from the app store.
- Scan the **QR** code.
- Turn on the "**GPS**" from your mobile device.



NOTE: make sure your mobile phone is well connected to the nearest WIFI signal.

2. Login

- Register with your email ID or Mobile phone number as the user name.
- Setup your account password.

Register

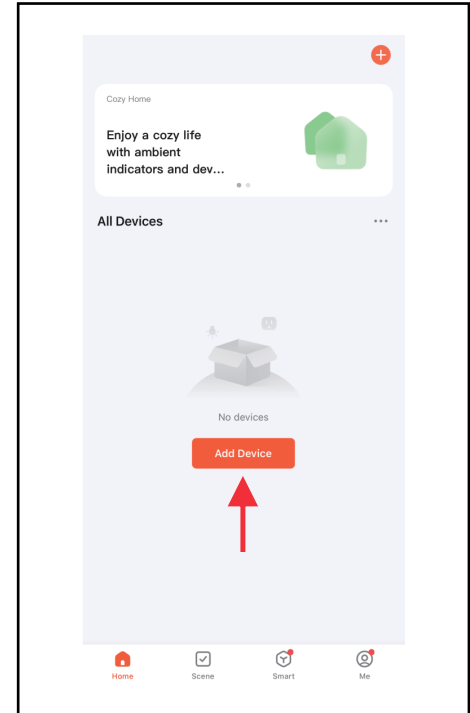
Mobile Number/Email

☐ I Agree [Privacy Policy](#) [User Agreement](#)
[Children's Privacy Statement](#) and
[Third Party Information Sharing List](#)

Get Verification Code

3. Add device

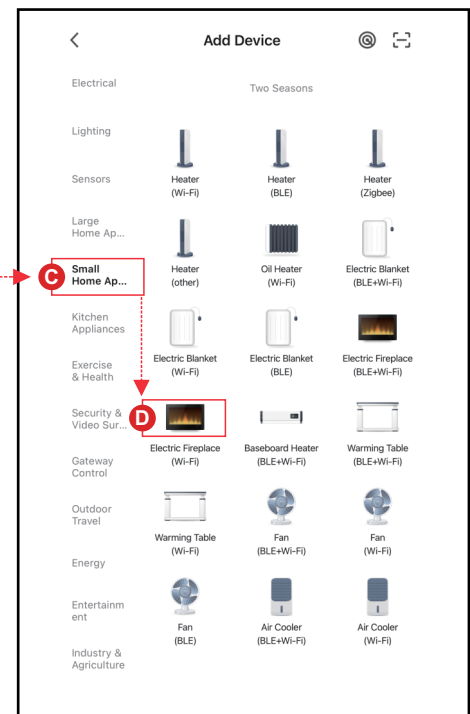
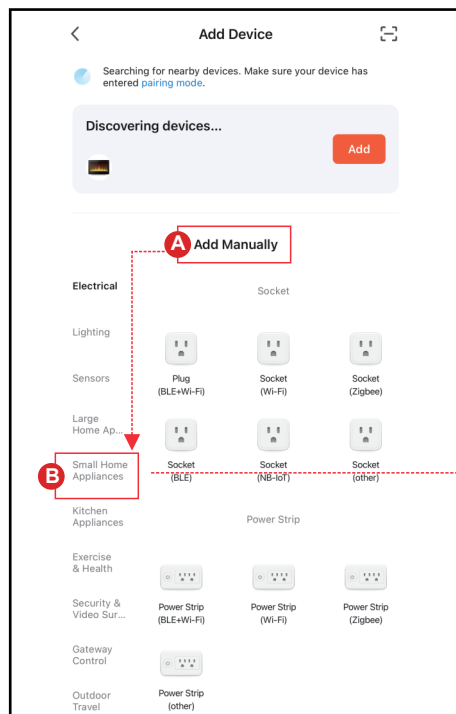
After account is created, log into account and select the "Add Device" button.



3. Add device - Continued

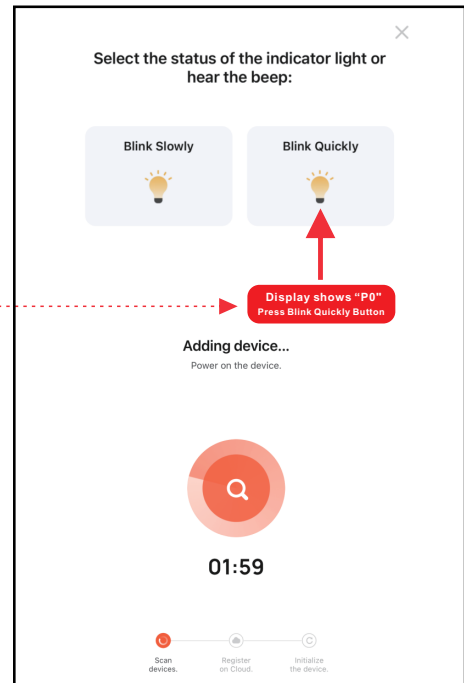
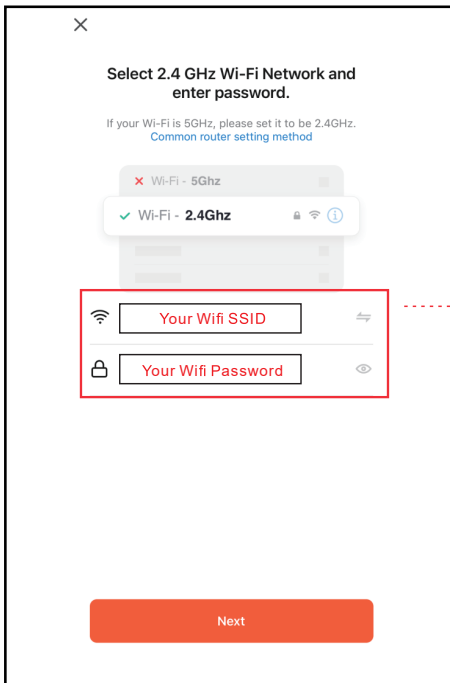
There are three methods to add your Electric Fireplace.

- Method 1: Add Manually on "P0" mode. Please follow below steps A,B,C,D.
- Method 2: Add Manually on "P1" mode. Please follow below steps A,B,C,D.
- Method 3: Add by Bluetooth. Open Bluetooth on your mobile phone before adding.



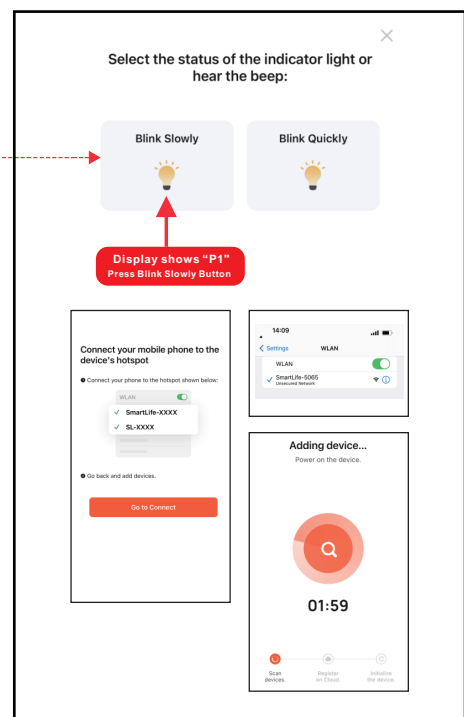
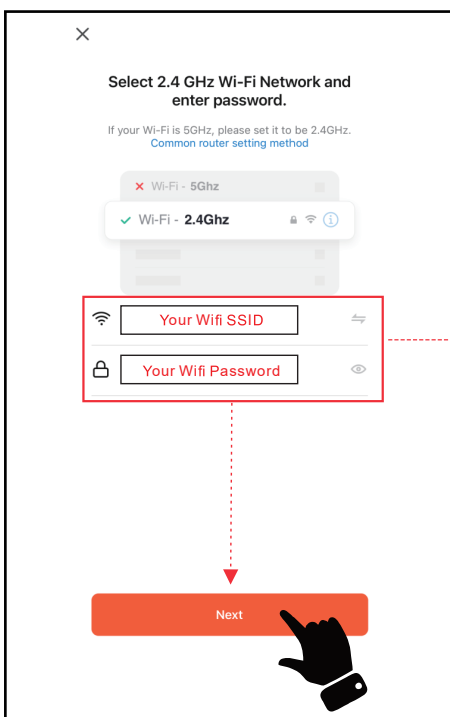
4. Connecting method 1 - (P0)

- Press & hold  from remote control or control panel until display on control panel shows **"P0"**.
- Enter the WIFI name and password, then press **"Next"** button for pairing.
- Press the **Blink Quickly** button for **"P0"**, device being added.
- When complete, display on control panel shows **"P4"**, LED Ember-light shows **GREEN** color and flashes 6 times.



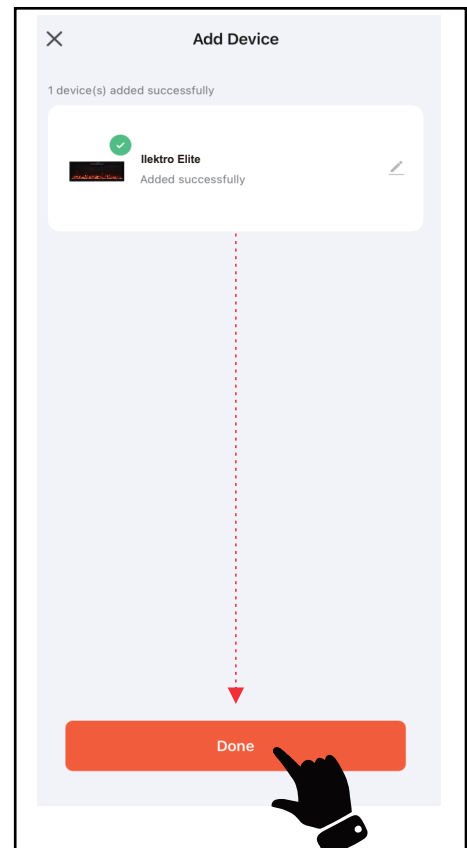
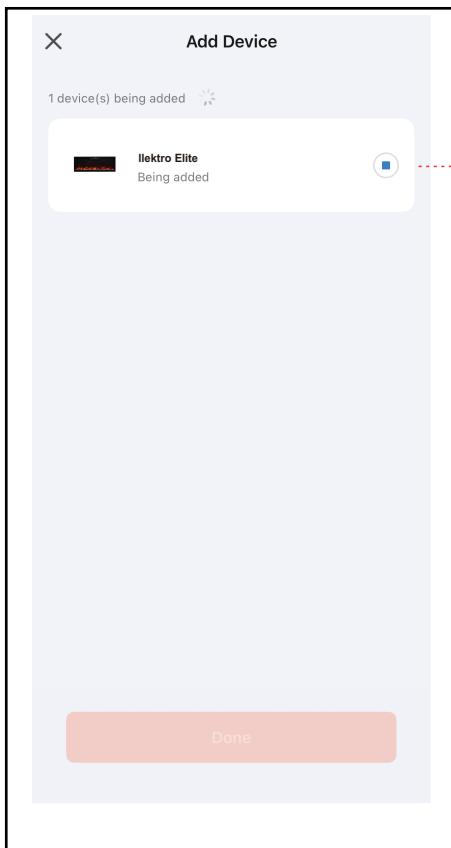
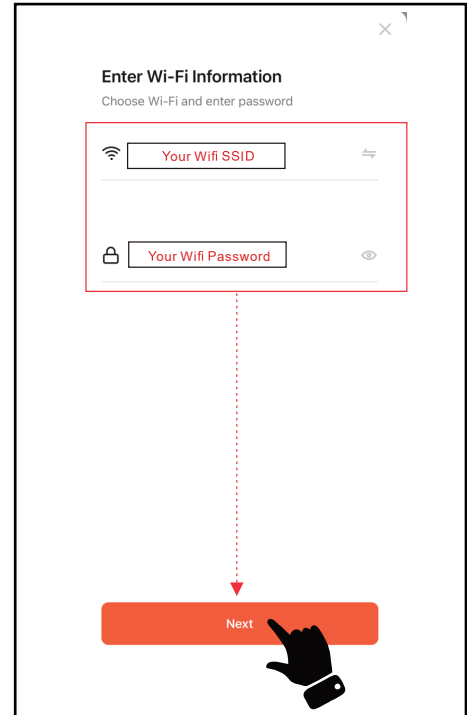
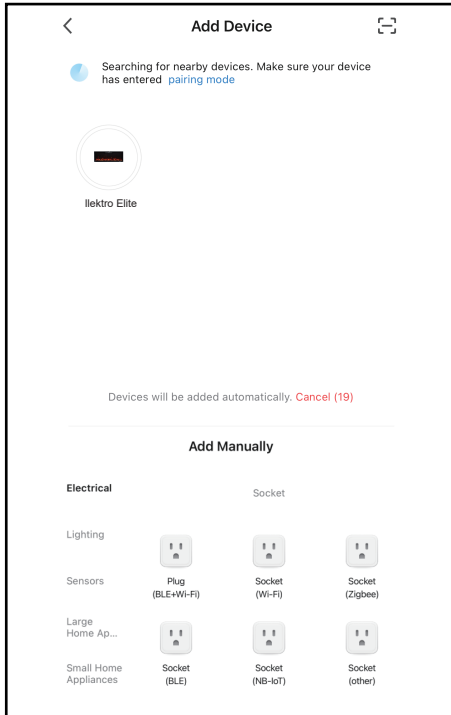
4. Connecting method 2 - (P1)

- Press & hold  from remote control or control panel until display on control panel shows **"P1"**.
- Enter the WIFI name and password, then press **"Next"** button for pairing.
- Press the **Blink Slowly** button for **"P1"**, Then go to connect your mobile phone to the device's hotspot.
- Select device's hotspot (**SmartLife-xxxx**), then back to device. Device being added.
- When complete, display on control panel shows **"P4"**, LED Ember-light shows **GREEN** color and flashes 6 times.



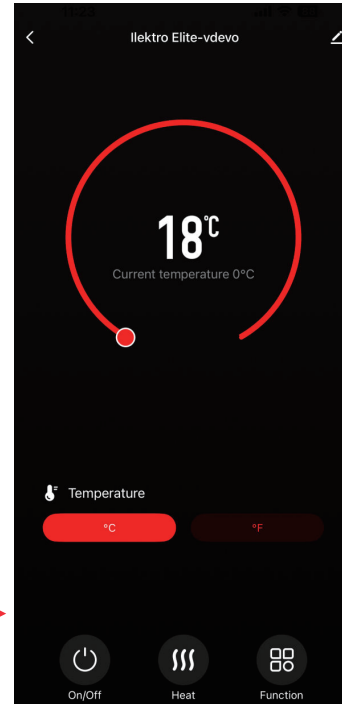
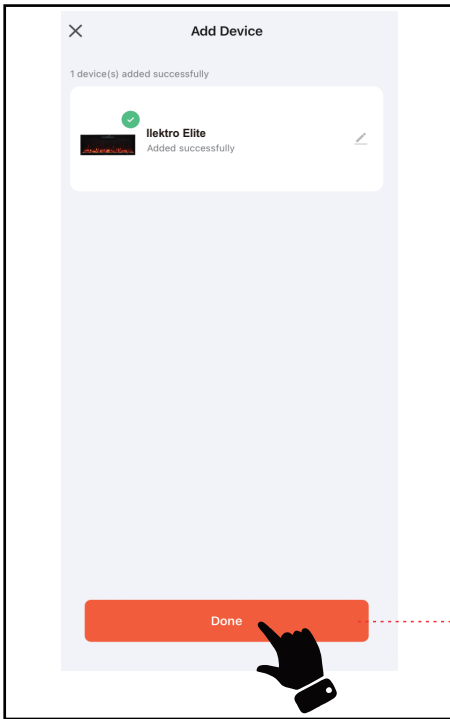
4. Connecting method 3 - (Bluetooth)

- Press & hold  from remote control or control panel until display on control panel shows “P0”.
- Press the **Add** button when you see the device named “ilektro Elite”.
- Enter the WIFI name and password, then press “Next” button for pairing.
- When complete, display on control panel shows “P4”, LED Ember-light shows **GREEN** color and flashes 6 times.

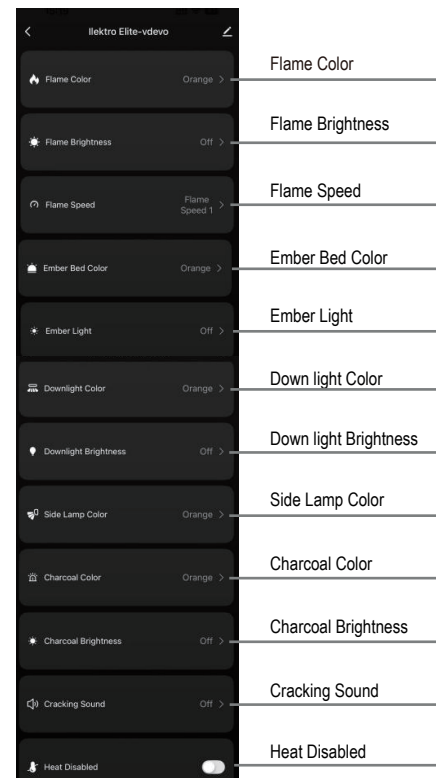
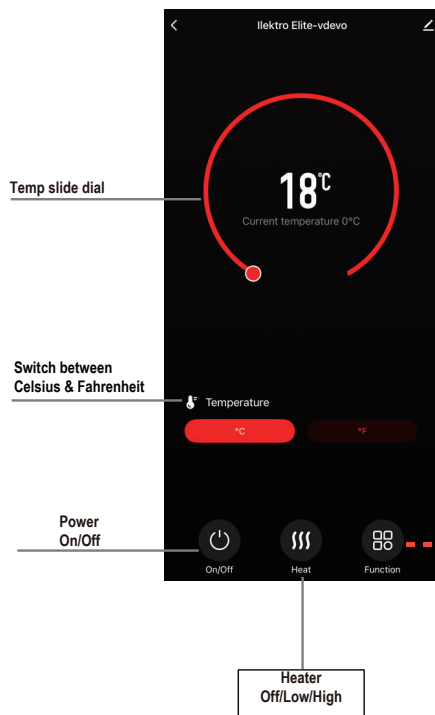


5. Complete

- Press **Done** to complete.



APP Operating Instruction



Care and Maintenance

Cleaning



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**.



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

Metal:

- Buff using a soft cloth, slightly dampened with a citrus oil-based product.
- **DO NOT** use brass polish or household cleaners as these products will damage the metal trim.

Glass:

- Use a good quality glass cleaner sprayed onto the cloth or towel. Dry thoroughly with a paper towel or lint-free cloth.
- **NEVER** use abrasive cleansers, liquid sprays, or any cleaner that could scratch the surface.

Vents:

- Use a vacuum or duster to remove dust and dirt from the heater and vent areas.

Plastic:

- Wipe gently with a slightly damp cloth and a mild solution of dish soap and warm water.
- **NEVER** use abrasive cleansers, liquid sprays, or any cleaner that could scratch the surface.

Maintenance



Risk of electric shock! DO NOT OPEN any panels ! No user-serviceable parts inside!



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**.

Electrical and Moving Parts:

- The fan motors are lubricated at the factory and will not require lubrication.
- Electrical components are integrated in the fireplace and are not serviceable by the consumer.

Storage:

- Store heater in a clean dry place when not in use.



WARNING! NO SERVICING of the internal or electrical parts should be performed by the consumer. Do not service the unit yourself.

iléktró

iléktró

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