attika
FEUERKULTUR

by Decoflame

UK

LOGICWOOD 540 SINGLE

Freestanding burner



Last Updated 17/11 2026

IMPORTANT – READ BEFORE USE

It is imperative that this manual is read carefully and in full before the fireplace is installed or operated.

Keep this manual in a safe place for future reference.

INSTALLATION, OPERATION AND SAFETY
The installation and operating instructions must be strictly followed, and all safety precautions described in this manual must be observed at all times.
Failure to comply with these instructions may result in personal injury or damage to the fireplace.

LIABILITY
Decoflame ApS cannot be held liable for any damage or injury resulting from non-compliance with the instructions contained in this manual.

PACKAGING
Please retain the original packaging, as it is required should the fireplace need to be returned to the factory for service or repair.

FUEL REQUIREMENTS
Only bioethanol with a pure alcohol content of 96.5–97.5 %, without additives or oils, may be used. The bioethanol must not be viscous or gel-like, and no substances may be added.

PRODUCT ORIGIN AND SAFETY
All bioethanol fireplaces from Decoflame are designed, manufactured and quality-controlled in Denmark, with a strong focus on product safety and user-friendliness.

Safety is paramount when working with open flames.
All safety instructions described in this manual must be strictly observed.

ELECTRICAL CONNECTION
If the fireplace is equipped with electronic components, it must be connected to an earthed power supply (220–240 V~ / 50 Hz / 1 kW).

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GENERAL INFORMATION

Decoflame bioethanol fireplaces are developed as high-quality interior products that combine contemporary design with functional fire technology. The fireplaces are intended for indoor use and are designed to create atmosphere and visual warmth as a decorative element in residential and commercial environments.

DESIGN AND MANUFACTURING
All Decoflame bioethanol fireplaces are designed, manufactured and quality-controlled in Denmark. The development process focuses on precision engineering, durability and consistent product quality. Each fireplace is produced using carefully selected materials and components to ensure long-term reliability and safe operation.

INTENDED USE
The fireplace is intended for use as a decorative fire feature. It is designed to supplement existing heating sources and must not be considered a primary heat provider. The fireplace must only be used in accordance with the instructions and limitations described in this manual.

PRODUCT VARIANTS AND CONFIGURATIONS
Decoflame fireplaces are available in several configurations, including freestanding, wall-mounted and built-in solutions. Depending on the model, the fireplace may be equipped with a manual burner or an electronic burner system. The specific configuration and burner type are described in the relevant sections of this manual.

FUEL TYPE
Decoflame fireplaces are designed exclusively for use with liquid bioethanol fuel that complies with the specified quality requirements. The use of alternative fuels, gel fuels or modified bioethanol products is not permitted and may result in unsafe operation or damage to the fireplace.

ELECTRICAL COMPONENTS
Some Decoflame fireplaces are equipped with electronic components, including control systems, sensors and safety features. These fireplaces require connection to a fixed, earthed power supply. Electrical requirements and operating conditions are specified in the relevant sections of this manual.

STANDARDS AND COMPLIANCE
Decoflame bioethanol fireplaces are developed in accordance with applicable European standards and general safety principles for open-fire products. The user is responsible for ensuring that installation and use comply with local building regulations and national requirements.

PACKAGING, DELIVERY & UNPACKING

The fireplace is delivered carefully packed to protect it during transport and handling. Proper inspection upon delivery and correct unpacking are essential to ensure that the fireplace is received in perfect condition and can be installed safely.

PACKAGING TYPES

Depending on the model and size, the fireplace may be delivered in one of the following packaging types:

- Cardboard box with protective polystyrene, placed on a pallet
- Wooden crate with internal protective packaging, mounted on a pallet for safe handling

The packaging is designed to protect the fireplace from impact and vibration during transport.

DELIVERY INSPECTION

Upon delivery, the packaging must be inspected carefully for visible damage while the courier is present.

Any damage to the packaging must be noted immediately on the delivery note.

IMPORTANT – TRANSPORT DAMAGE

If visible damage is found on the packaging, it is essential to:

- Make a written remark on the delivery note before signing
- Ensure that the remark is acknowledged by the courier

Failure to note transport damage at delivery may result in loss of the right to make a claim.

DOCUMENTATION OF TRANSPORT DAMAGE

In the event of transport damage, Decoflame must be contacted immediately.

The following documentation is required:

- Photos of all sides of the packaging
- Photos of the fireplace and any visible damage
- A description of the damage
- A copy or photo of the delivery note with the damage remark and tracking number

Transport damage must be reported within 3 working days from the date of delivery.

UNPACKING THE FIREPLACE

Move the packaged fireplace as close as possible to its final installation location before unpacking.

Open the packaging carefully to avoid scratching or damaging the fireplace or its components.

For wooden crates, suitable tools such as a screwdriver or drill with the appropriate bit may be required. Always remove the fireplace slowly and place it on a stable, level surface.

Ensure that all protective packaging materials are removed and that all components are present. If any parts are missing or damaged, contact Decoflame immediately before proceeding with installation.

RETAINING THE PACKAGING

The original packaging must be retained in case the fireplace needs to be returned to the factory for service or repair.

If the original packaging is no longer available, replacement packaging can be supplied by Decoflame upon request.



DO NOT – HANDLING AND UNPACKING

1	DO **NOT**	open the box or wooden crate using sharp objects.
2	DO **NOT**	flip the cardboard box or wooden crate onto its sides or top. Always follow the arrow markings
3	DO **NOT**	use hammers or other impact tools.
4	DO **NOT**	use saws or similar cutting tools
5	DO **NOT**	smoke during unpacking, as residual bioethanol vapours may be present.
6	DO **NOT**	lift the fireplace by parts that are sensitive to bending or mechanical stress.

Failure to comply with the above instructions may result in damage to the fireplace or personal injury.

CONTACT INFORMATION – DECOFLAME
If you have any questions regarding delivery, packaging, transport damage or documentation, please contact Decoflame using the details below.

Decoflame ApS
Vang Mark 2
9380 Vestbjerg
Denmark
Tel.: +45 96 30 48 00

Email: logistics@decoflame.dk
Email subject line: Order number (4–5 digits)

Opening Hours:
Monday–Thursday: 08:00–16:00
Friday: 08:00–15:30 (Danish time)

Decoflame refers to its General Sales and Delivery Terms. If you have any questions or uncertainties, please contact Decoflame or your local retailer.

THE CONTENTS OF THE BOX

A



(Oyster white or Grey aluminium)

A	LogicWood 540 Single	1 pc
B	Ceramic logs	1 pc
C	Base Ember Glass - Top Ember Glass	2 pc
D	Ember Fibre	1 pc
E	External fuel pump	1 pc
F	Remote control	1 pc
G	Manual	1 pc
H	Product identification label	1 pc
I	Cable (EU)	1 pc

B



C



D



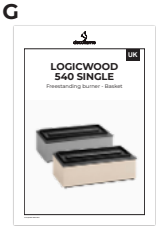
E



F



G



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LOGICWOOD 540 SINGLE ELECTRONIC BIOETHANOL FIREPLACE

LogicWood 540 Single is a freestanding electronic bioethanol fireplace designed for indoor use. The burner is integrated into the LogicWood 540 Single and developed for controlled combustion, stable flame performance and advanced operational safety.

The system incorporates an electronically regulated fuel supply and an automated ignition and shutdown sequence.

Flame intensity can be adjusted across five flame levels and ECO mode, ensuring consistent heat output and operational stability across all available sizes.

The burner is equipped with integrated safety systems including:

- Automatic emergency shut-off
- Continuous fuel level monitoring
- Spill detection system
- CO_2 monitoring (air quality supervision)
- System self-diagnostics

Operational parameters are continuously supervised. In the event of abnormal conditions, the system will automatically interrupt operation.

Fuel refilling is carried out using the supplied external electronic pump with quick-connection interface. The closed refilling system ensures controlled fuel transfer and minimises the risk of spillage or vapour exposure.

The fireplace must be positioned and installed in accordance with the installation requirements and safety clearances specified in this manual.

ℹ️ NOTE
It is intended exclusively for use with approved bioethanol (96.5–97.5 %) and is not designed as a primary heating appliance.

ℹ️ NOTE
For detailed fuel requirements and handling instructions, see section “Bioethanol”.

GENERAL INFORMATION

Model:	LogicWood 540 Single
Flame Levels:	5 + ECO
Operation Type:	Electronic
Fuel type:	Bioethanol 96.5% – 97.5%

DESIGN & MATERIALS

Material:	Stainless steel / Powder-coated aluminium
Finish:	RAL 1013 Oyster white or RAL 9007 Grey aluminium

INSTALLATION REQUIREMENTS

Power Supply:	230 V AC (220 V compatible), 50–60 Hz, earthed connection
Installation Environment:	Indoor
Supporting Surface:	Combustible or non-combustible
Clearance to Combustibles (mm):	See Fig. A
Clearance to non-combustible materials (mm):	Rear: 0 / Sides: 0 / Above: 400

PHYSICAL SPECIFICATIONS

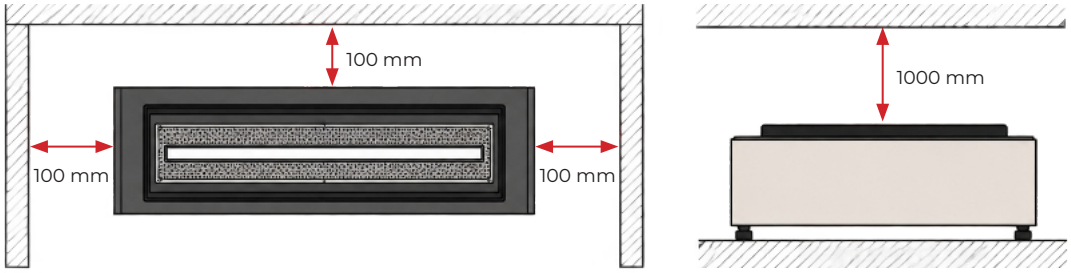
Flame tray (mm):	433 mm
Dimensions (mm):	W: 540 × H: 223 × D: 300

PERFORMANCE

Minimum Room Size (m^3)	30
Capacity (L)	3.5

Flame Levels	Fuel consumption (l/h)	Heat Output (kW)	Max Level Burn Time (H)
Level 5	0,61	3,4	5,8
Level 4	0,53	3,0	6,6
Level 3	0,44	2,5	8,0
Level 2	0,33	1,9	10,6
Level 1	0,19	1,1	18,7
Level ECO	0,44	2,5	8,0

Fig. A



Minimum clearances to combustible materials: Rear: 100 / Sides: 100 / Above: 1000

POSITIONING & INSTALLATION

Correct positioning and installation of the fireplace are essential to ensure safe operation, optimal performance and long service life. The fireplace is intended for indoor use only and must be installed and positioned in accordance with the instructions in this manual as well as applicable local regulations and building requirements.

Before installation, ensure that the selected installation location fulfils all requirements regarding safety, ventilation and structural conditions. The fireplace must always be positioned in a manner that prevents instability, tipping or unintended movement during normal use.

GENERAL INSTALLATION REQUIREMENTS

Prior to installation, all applicable local building regulations and national requirements must be checked. Compliance with local rules and restrictions is the responsibility of the installer and the end user.

📐 INSTALLATION REQUIREMENTS
The fireplace must be positioned in accordance with the specified minimum clearances to combustible materials. The applicable clearances are product-specific and must be maintained at all times.

➡️ See section: Product Information / Installation Requirements

The installation location must allow sufficient natural air circulation without creating draughts. Uncontrolled air movement may affect flame stability, combustion behaviour and the overall performance of the fireplace.

The fireplace must be positioned out of reach of children and pets. Sufficient free space must be maintained around the fireplace to ensure safe use, passage and movement, as movement close to the fireplace may influence flame behaviour.

ℹ️ NOTE
The fireplace must not be placed in areas exposed to draughts, such as near doors, windows or ventilation openings, as draughts may cause unstable flames, increased fuel consumption or soot formation.

The fireplace must always be positioned so that it cannot tip over, shift or be subjected to unintended mechanical impact during normal use.

⚠️ WARNING
Curtains and other movable combustible materials must be positioned so that they cannot move over the fireplace or into the flame area, for example due to draughts or air movement.

FREESTANDING FIREPLACES

📐 INSTALLATION REQUIREMENTS
Freestanding fireplaces must be placed on a stable, level surface capable of supporting the full weight of the fireplace. The supporting surface may be combustible or non-combustible, provided that all applicable product-specific installation requirements and safety clearances are observed.

The fireplace may be positioned freely in the room or placed against a wall.

- If the fireplace is positioned against a combustible wall, the specified product-specific minimum clearance to combustible materials must be maintained.
- If the fireplace is positioned against a non-combustible wall, it may be placed directly against the wall, provided that all other installation requirements are met.

➡️ See section: Product Information / Installation Requirements



INSTALLATION OF LOGICWOOD 540 SINGLE
This procedure describes the positioning and connection of the LogicWood 540 Single. Before installation, ensure that the installation location meets the specified requirements for the supporting surface, safety clearances and power supply.

STEP 1 – Installation location check

Verify that the installation area:

- Is clean and free from dust and dirt
- Has a level and stable supporting surface
- Complies with the specified safety clearances
- Has a correctly installed and accessible grounded power outlet (230 V AC (220 V compatible), 50–60 Hz)

⚠ WARNING
Do not proceed with the installation if the requirements are not met.

ℹ NOTE
When installing and using bioethanol fireplaces, national and regional legal requirements as well as the instructions in the installation and user manual must be observed.

STEP 2 – Positioning and electrical connection
Place the LogicWood 540 Single in the desired position.

Ensure that:

- The power cable is not routed across sharp edges or hot surfaces
- The power cable is not twisted, pinched or under tension

Connect the power cable to the grounded power outlet.

STEP 3 – Final check

Verify that:

- The specified safety clearances are maintained
- The power cable is free from tension and does not contact hot surfaces
- The burner and flame area are clear and unobstructed

STEP 4 – Ember Glass placement
First distribute the Base Ember Glass evenly across the Ember Light openings in the decoration tray.
Then lightly distribute the Top Ember Glass on top of the Base Ember Glass as shown in the QR guide video.

⚠ WARNING
Do not place Ember Glass on the Flame Tray.
See the red dashed line.



EMBER GLASS
VIDEO GUIDE

STEP 5 – Ceramic log placement
Place the ceramic logs as shown in the supplied placement guide.

Ensure that:

- The ceramic logs are positioned securely and stably
- The upper logs are supported by other logs and are not placed directly on the Flame Tray
- The flame openings remain visible and unobstructed
- The flame path along the Flame Tray remains open

CERAMIC LOGS
VIDEO GUIDE

ℹ NOTE
The two smaller ceramic log pieces are part of the set and do not have a fixed position. They may be positioned as desired or omitted, provided that they do not come into contact with the flames.

⚠ WARNING
The flames must not touch the ceramic logs. If the flames come into contact with the ceramic logs, this may cause soot formation and odour. The ceramic logs are positioned correctly when the flame path is free and the flames can burn between the logs without touching them.

⚠ WARNING
Incorrect placement of the ceramic logs may result in unstable flame behaviour, operational malfunction, damage to the ceramic logs or safety shutdown.

STEP 6 – Placering af Ember Fibre
Carefully distribute small amounts of Ember Fibre between the ceramic logs along the Flame Tray.

Ember Fibre is intended to be exposed to the flame area to create the ember glow effect.

⚠ WARNING
Ensure that excessive amounts of Ember Fibre are not concentrated directly above the ignition area.

EMBER FIBRE
VIDEO GUIDE

LOG SET PLACEMENT GUIDE





⚠ WARNING
The flame openings remain visible
and unobstructed = ⬚

1



2



3



4



5



6



7



8



Scan the
QR code for the
placement guide.

GENERAL SAFETY

Bioethanol fireplaces involve the use of open flames and must therefore always be operated with a high level of care and attention. Correct use in accordance with this manual is essential to ensure personal safety, safe surroundings and reliable operation of the fireplace.

OPEN FIRE AND RESPONSIBILITY
The fireplace produces a real, open flame. The user is responsible for operating the fireplace in a safe and controlled manner at all times. Only adults may operate the fireplace, and it must never be left unattended while in use.

CHILDREN AND PETS
Children and pets must always be supervised when the fireplace is in operation. The fireplace must be positioned and used in a way that prevents contact with flames, hot surfaces or other potentially hazardous parts.

VENTILATION AND ROOM AIR QUALITY
Adequate natural ventilation of the room is required during operation of the fireplace. Fresh air supply must be ensured without creating draughts, as excessive air movement may affect flame behaviour and combustion stability.

ℹ️NOTE
Persons with respiratory conditions or asthma are advised to keep a window slightly open during operation of the fireplace.

HOT SURFACES
During operation, parts of the fireplace, including the burner and any protective glass, may become hot. Care must be taken to avoid contact with hot surfaces during and after use, until the fireplace has fully cooled down.

DECORATIVE PURPOSE
The fireplace is intended primarily for decorative purposes. It is designed to supplement existing heating sources and must not be considered or used as a primary heat source.

FIRE SAFETY AND PREPAREDNESS
Appropriate fire-extinguishing equipment must always be readily available when operating the fireplace. The user must be familiar with basic fire safety principles before using the fireplace.

⚠️

IN CASE OF FIRE
– EMERGENCY INSTRUCTIONS

In the event of a fire, remain calm and act according to the following guidelines:

Suitable extinguishing media include carbon dioxide (CO_2), dry chemical powder, foam or alcohol-resistant foam, and water spray (mist only).

For minor fires, use CO_2, dry chemical powder, alcohol-resistant foam or carefully smother the flames using a moistened cloth.

For major fires, use alcohol-resistant foam or water spray.

Do not use a water jet. Do not rinse the floor with water, as bioethanol vapours may spread and re-ignite.

If the fire is assessed to be out of control, contact the fire authorities immediately.

OPERATIONAL SAFETY – DO NOT

The following safety instructions apply during operation of the fireplace. Failure to comply with these instructions may result in fire, personal injury or damage to the fireplace. Bioethanol fireplaces involve real, open flames and must always be operated with care and common sense.



DO NOT – FUEL HANDLING AND REFILLING

1	DO **NOT**	light the fireplace if the burner has been overfilled.
2	DO **NOT**	refill the burner until the temperature has dropped below 40 °C.
3	DO **NOT**	refill the burner while it is in use or still hot from previous operation.
4	DO **NOT**	smoke when filling or handling bioethanol, as it is highly flammable.
5	DO **NOT**	mix bioethanol with other fuels or add additives, oils or scents.

DO NOT – FIRE BEHAVIOUR

1	DO **NOT**	attempt to extinguish the fire by blowing into the flames.
2	DO **NOT**	blow into the flames, as this may cause the fire to spread and become uncontrollable.
3	DO **NOT**	touch the flames at any time.

DO NOT – MAINTENANCE AND CLEANING

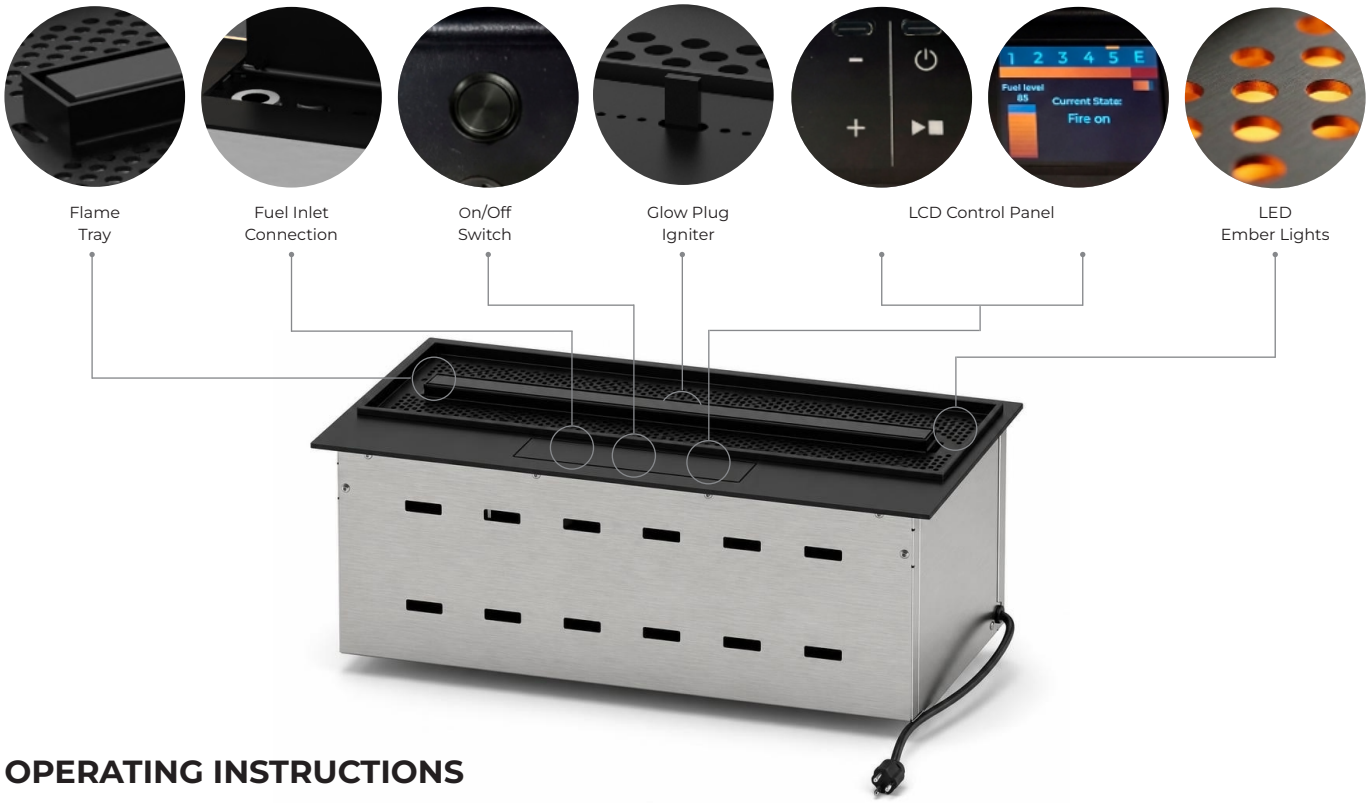
1	DO **NOT**	perform cleaning, maintenance or adjustments while the fireplace is hot or in operation.
2	DO **NOT**	use water, solvents or aggressive cleaning agents on the burner or fireplace components unless specified in this manual

DO NOT – DECORATIVE MATERIALS AND PLACEMENT RESTRICTIONS

1	DO **NOT**	place any objects on top of the burner.
2	DO **NOT**	decorate the burner with ceramic pebbles, stones, logs or other items unless explicitly approved by Decoflame.
3	DO **NOT**	place stones or pebbles on the burner, as they may crack and cause injury or damage.
4	DO **NOT**	place flammable materials, clothing or objects on or near the fireplace.
5	DO **NOT**	place valuable items, paintings or electronic equipment such as TV screens or speakers above the fireplace, as rising heat may cause damage.

DO NOT – USE AND HANDLING

1	DO **NOT**	use the fireplace or burner as a barbecue or cooking device.
2	DO **NOT**	cover the fireplace while it is lit or still hot.
3	DO **NOT**	touch metal parts, the burner or glass components during operation or until the fireplace has fully cooled down.
4	DO **NOT**	modify the fireplace or any of its components.



OPERATING INSTRUCTIONS

This chapter describes the operation of burners equipped with the Decoflame LogicWood burner. Always read and follow all safety instructions before operating the burner.

The LogicWood burner is electronically controlled and designed to ensure safe and controlled ignition, flame regulation and shutdown.

The burner can be operated via the integrated Control Panel, remote control, or the Decoflame App, depending on the model configuration.

CONTROL SYSTEM & OPERATION

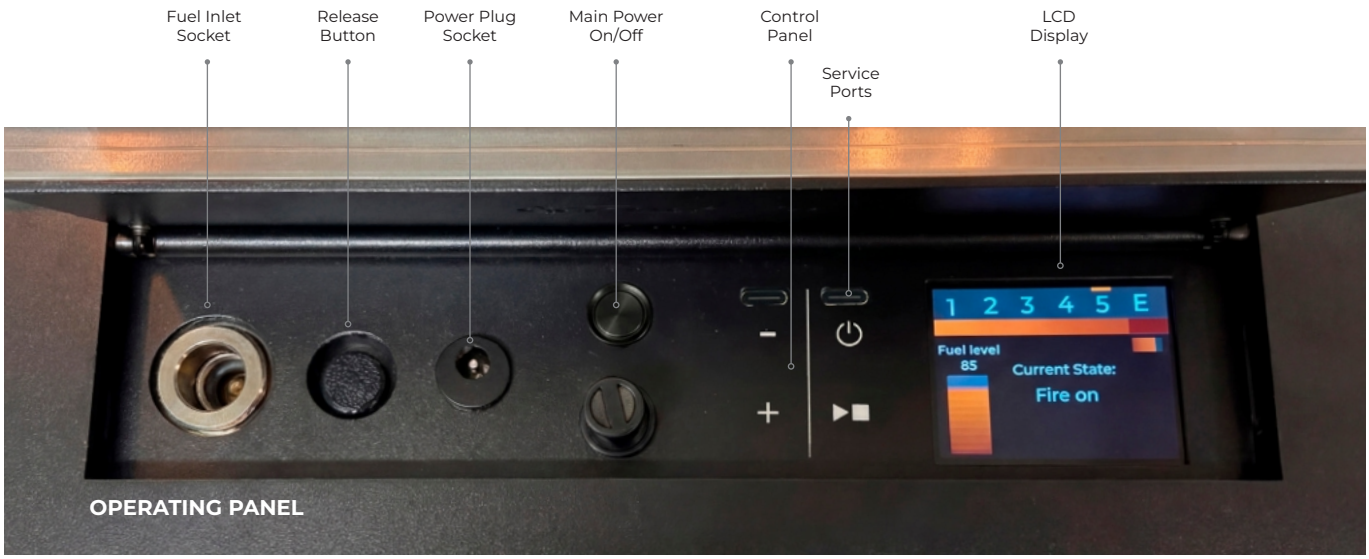
The burner is operated via the Operating Panel, which provides access to the main power switch, display, fuel filling connection, electronic pump interface and the integrated Control Panel.

The Control Panel consists of the control buttons used for daily operation, including ignition, flame regulation and shutdown.

The burner is supplied with a remote control, allowing the same operating functions available via the Control Panel to be operated wirelessly.

The control system manages ignition, flame regulation and continuous safety monitoring automatically.

ℹ️ NOTE
The service ports are reserved for authorized service personnel only.



OPERATING PANEL

FIRST START – SWITCHING THE POWER SUPPLY ON

Before operating the burner, ensure that it is correctly installed and that all safety requirements described in this manual have been fulfilled.



Press the MAIN ON/OFF BUTTON on the Operating Panel to activate the power supply to the burner.

Once activated, the power supply should normally remain switched on.

ℹ️ NOTE
The power supply should only be switched off under the following circumstances:

- If the burner will not be used for an extended period of time
- In the event of an emergency



FIG 1. SWITCHING THE DISPLAY ON
Press the ON/OFF button on the control panel to switch the display on.



FIG 2. SWITCHING THE FLAMES ON / OFF
Press the START/STOP button on the control panel **TO START** the ignition process.

After approximately 3 minutes, the first flames will appear around the centre of the Flame tray. After an additional 3 minutes, the burner will have heated up and flames will extend across the full width of the Flame tray.

Once ignition is complete, the display will show **FIRE ON**. The flame height can now be adjusted.

To switch the **FLAMES OFF**, press the START/STOP button again.

FIG 3. ADJUSTING THE FLAME LEVEL
Press the **–** or **+** buttons to decrease or increase the flame height.

ℹ️ NOTE
When the + or - button is pressed and released briefly, the flame level will decrease / increase by one step. This adjustment is only performed when the button is pressed for a short duration.

Adjust the flame height gradually and allow the burner to stabilise between adjustments.



DISPLAY STATES & STATUS INDICATIONS

The display shows the burner's current operating state, system status and relevant messages. The indications may vary depending on the operating phase and system conditions.



Display (Boot screen):
- Bluetooth code
- IP address



Display (Main screen):
- Current state
- Error messages
- Fuel level
- Flame level
- CO_2 message

CURRENT STATE:

READY	The burner is ready for operation. The flames can be switched on (see 2).
WARMING UP	The burner is in the start-up sequence and is heating up. The status will automatically change to **FIRE ON** once ignition is complete.
FIRE ON	The burner is operating normally and the start-up process is complete. The flame level can now be adjusted (see Fig 3).
TURNING OFF	The burner is shutting down.
CO_2 ELEVATED	The CO_2 level has remained above 3,500 ppm for more than 60 seconds. The flame is automatically reduced to level 1.

ELEVATED CO_2 LEVEL

If the CO_2 level remains above 3,500 ppm for more than 60 seconds, the flame is automatically reduced to level 1 and cannot be increased until the CO_2 level falls below 3,500 ppm. Ventilate the room when the CO_2 warning is displayed. At 5,000 ppm or above, the burner automatically shuts down.

ℹ️ NOTE
Automatic flame reduction is a normal safety function and does not indicate a burner fault. CO_2 monitoring does not replace adequate room ventilation.

ERROR MESSAGES:

CALL SERVICE	Internal system fault detected. The burner is locked and cannot be started or reset. Contact authorised service personnel.
NO FLAME	Ignition was unsuccessful. Contact authorised service personnel.
TOO HOT TO FILL	The burner is too hot to refill. Refilling is only possible once the burner has cooled down.
HEATING ERROR	A heating system fault has been detected. Contact authorised service personnel.
LOW FUEL	The fuel level is low. Refill the bioethanol tank.
SPILL DETECTED	Fuel spillage has been detected. Contact authorised service personnel.

REMOTE CONTROL

The LogicWood burner may be operated using the supplied remote control, depending on model configuration.

The remote control provides convenient access to the main operating functions of the burner and mirrors selected functions of the integrated control panel.

The remote control communicates wirelessly with the burner and is intended for everyday operation within normal indoor range.

REMOTE CONTROL FUNCTIONS

The following functions are available via the remote control:

- SWITCHING THE DISPLAY ON / OFF
  Powers the burner display on or off.
- STARTING AND STOPPING THE FLAMES (START / STOP)
  Initiates ignition of the flames or shuts them down in a controlled manner.
- ADJUSTING FLAME LEVEL (LEVELS 1–5 + ECO)
  Allows step-by-step adjustment of the flame height within the available range.
- CHILD LOCK (1+2)
  The child lock is activated by pressing button 1 and 2 simultaneously for 1–3 seconds. When the child lock is active, remote control operation is disabled. The child lock must be deactivated on the remote control or by restarting the burner.

CONNECT / RESTART REMOTE CONTROL

If the remote control is not responding, it may be necessary to reconnect it to the burner.

Follow the procedure below:

1. Turn on the burner using the main power switch.
2. Press and hold OK + 2 on the remote control for approximately 3 seconds until the red indicator light starts flashing.
3. Press and hold the OFF button on the burner for approximately 14 seconds until the display turns off. Release the button once the display switches off.
4. The burner will restart automatically.
   The remote control is now connected to the burner.

ℹ️ NOTE
If the connection procedure fails, repeat the steps above. Ensure that the burner remains powered during the process.

Scan the QR code
for the connect / restart guide.

USING THE REMOTE CONTROL

Ensure that the burner is connected to power and in standby mode before using the remote control.

Point the remote control towards the burner and press the desired function button. After input, the system may respond with a short delay while internal safety checks are performed.

Allow the system to stabilise between adjustments and avoid pressing multiple buttons simultaneously.

ℹ️ NOTE
The remote control is intended for indoor use only.

Always keep the remote control out of reach of children when not in use.

If the burner does not respond to remote control input, operate the burner via the control panel and refer to the troubleshooting section of this manual.



BATTERY INFORMATION
The remote control is powered by an internal CR2032 lithium battery.

If the remote control does not respond or the response becomes weak, the battery must be replaced.

Always replace the battery with the same type (CR2032) as specified by Decoflame. Incorrect battery type may result in malfunction.

Dispose of used batteries in accordance with local regulations.



APP CONTROL

The burner can be operated via the Decoflame App using a Bluetooth connection.

The app provides access to selected operating functions and displays current system status information.

CONNECTING THE APP

Before using the app, ensure that the burner is powered and ready for operation.

- Download the Decoflame App from App Store or Google Play
- Activate Bluetooth on your mobile device
- Open the app and follow the on-screen instructions
- Select the burner when it appears in the device list

AVAILABLE FUNCTIONS

The app provides access to the following operating functions:

START / STOP
The flames can be started and stopped via the app.

FLAME LEVEL
The flame level can be adjusted from level 1 to 5, including ECO mode.

ECO MODE
ECO mode automatically regulates the flame between level 1–5 during operation.

TIMER FUNCTION
The burner can be set to switch off automatically after a selected time period.

The remaining time is displayed in the app during operation.

STATUS INFORMATION
The app displays current operating status, fuel level and estimated remaining burn time.

SETTING THE TIMER VIA THE APP

The timer function can be set via the Decoflame App.

1. Open the app and ensure that the burner is connected.
2. Navigate to the main control screen.
3. Access the timer function (See Fig. 1).
4. Set the desired time period (See Fig. 2)
5. Confirm the timer setting (See Fig. 2)

Once activated, the timer will be displayed in the app. The burner will switch off automatically when the set time has elapsed.

ℹ️ NOTE
If multiple control methods are used, the latest input overrides previous settings.

The app operates via Bluetooth and requires the user to be within range of the burner.

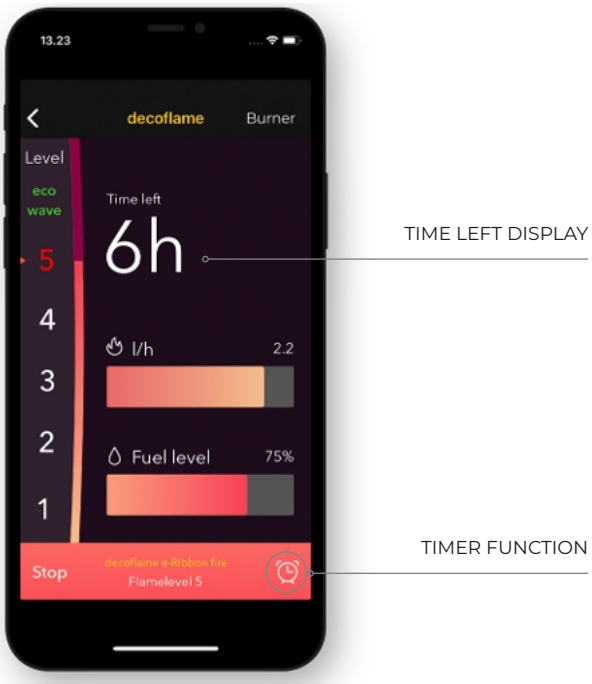


Fig. 1

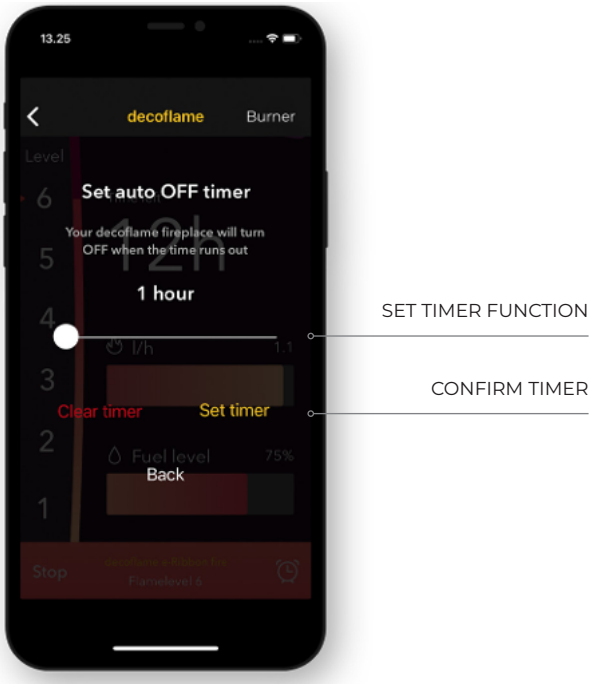


Fig. 2

FUEL FILLING & EMPTYING

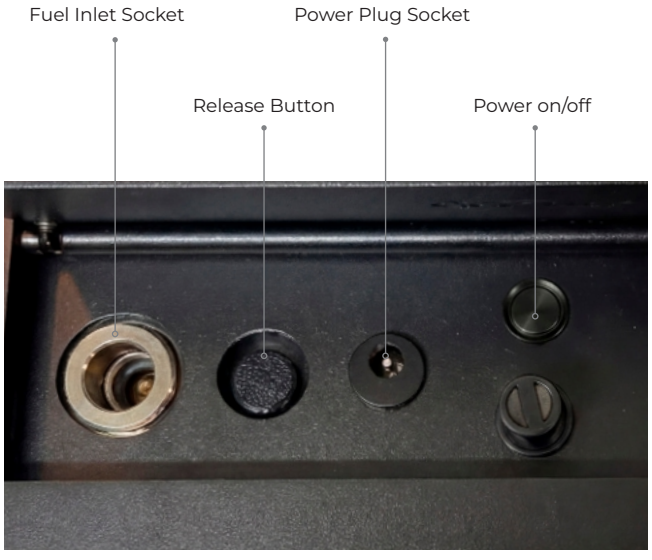
This burner is equipped with an electronic pump system designed for safe and controlled handling of bioethanol.

Only approved bioethanol with an alcohol content of 96.5–97.5 % may be used. Refer to the Bioethanol chapter of this manual for further information.

BIOETHANOL FUEL FILLING PROCEDURE
Before filling bioethanol, ensure that the burner is connected to the power supply and switched ON using the main power switch on the burner. The flames must be switched OFF before filling.

FILLING PROCEDURE

1. Switch on the main power switch on the burner.
2. Insert the filling nozzle firmly into the fuel inlet on the burner.
3. Connect the power plug from the electronic pump to the designated socket on the burner.
4. Place the rubber hose from the pump into the Bioethanol container.
5. Switch on the pump.
   The pump will automatically stop when the maximum fuel level is reached.
6. Remove the filling nozzle by pressing the release button next to the fuel inlet.





ℹ️ NOTE

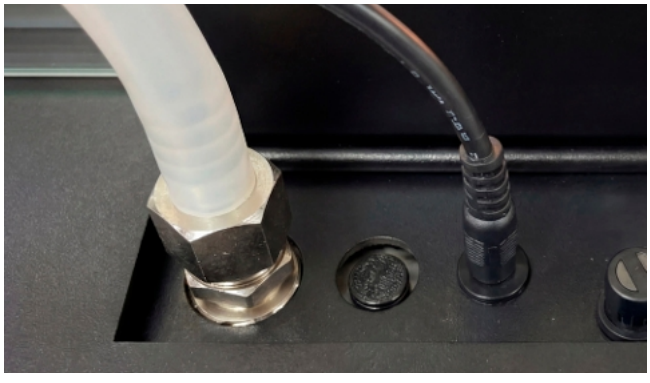
- The electronic burner continuously monitors the fuel level. If the fuel level is insufficient, the system will prevent ignition.
- Bioethanol must not be filled while the burner is in operation.
- The ignition process will not start if the system detects that the pump is connected.
- If the pump is connected while the burner is operating, the system will shut down automatically.
- Bioethanol must never be poured onto a hot burner or into open flames.
- Smoking is strictly prohibited during filling and in the immediate vicinity.
- If an unexpected situation occurs, the entire system can be switched off immediately using the main power switch on the burner.
- Allow any spilled bioethanol to evaporate completely before operating the burner.

ℹ️ PUMP NOT DRAWING FUEL CORRECTLY? – PRIMING THE PUMP

If the pump is not drawing bioethanol correctly, there may be air in the pump system.

The pump can be primed to remove the air and restore a stable flow of bioethanol.

Scan the QR code for a step-by-step video guide to priming the pump.



Scan the QR code for the refill guide.

DRAINING OF BIOETHANOL
The electronic pump system can also be used to drain bioethanol from the burner.

Draining of the fuel tank is required if the burner is to be moved, transported, stored, or returned to Decoflame for service or repair.

The same pump used for filling is used for draining by repositioning the filling nozzle on the hose.

DRAINING PROCEDURE
The burner must be connected to the power supply and switched ON using the main power switch. The flames must be switched OFF during the entire draining process.

1. Cut and remove the small black cable tie securing the filling nozzle to the hose.
   The cable tie must be removed before the filling nozzle can be detached.

2. Detach the filling nozzle from the hose and attach it to the opposite end of the hose – the end normally placed into the bioethanol container during filling.

3. Insert the filling nozzle into the fuel inlet on the burner.

4. Connect the power plug from the electronic pump to the designated socket on the burner.

5. Place the free end of the hose into a suitable and approved bioethanol container.

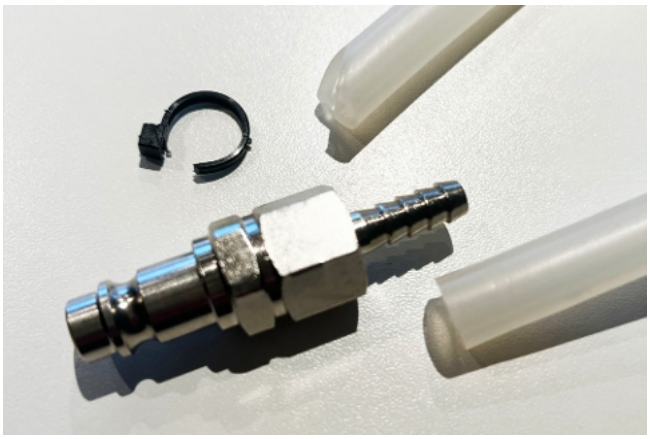
6. Switch on the pump.
   Bioethanol is transferred from the fuel tank to the external container.

7. Monitor the process.
   The pump will stop automatically when the fuel tank is empty.

8. Remove the filling nozzle by pressing the release button next to the fuel inlet.

9. Reattach the filling nozzle to the opposite end of the hose so it is ready for future filling.
   Secure the filling nozzle with a cable tie if required.

ℹ️ NOTE
- The fuel tank must never be drained while the burner is in operation.
- The ignition process will not start if the system detects that the pump is connected.
- If the pump is connected while the burner is operating, the system will shut down automatically.
- Smoking is strictly prohibited during draining and in the immediate vicinity.
- Avoid spillage of bioethanol. Allow any spilled bioethanol to evaporate completely.
- If an unexpected situation occurs, the entire system can be switched off immediately using the main power switch on the burner.





Scan QR code
for procedure.

ERROR MESSAGES & TROUBLESHOOTING

This section describes the most common error messages and system states that may occur during operation of the electronic burner, together with the recommended corrective actions.

If the problem cannot be resolved by following the instructions below, switch off the fireplace and contact your authorised dealer or Decoflame.

GENERAL GUIDANCE

- Always extinguish the flames before starting any troubleshooting.
- Some error conditions require the system to cool down completely before it can be restarted.
- Repeated or persistent error messages indicate that further technical assistance is required.

ERRORS	DESCRIPTION	REQUIRED ACTION
Tray High / Low	The fuel level in the burner tray is too high or too low, which may affect burner performance.	Allow the fireplace to cool down. Restart the system. If the problem persists, contact your dealer.
Call Service	An internal system fault has been detected. The fireplace is locked for safety reasons and cannot be started or reset by the user.	Contact Decoflame or authorised service personnel. Reactivation is only possible after remote system access has been established.
Evap High / Low	The fuel level in the evaporation chamber is too high or too low, which may cause irregular vapour formation.	Allow the fireplace to cool down. Restart the system. If the problem persists, contact your dealer.
No Heat	The heating element does not generate heat, possibly due to a system fault.	Restart the fireplace after cooling. If the error remains, contact your dealer.
No Flame	The burner attempts to ignite but no flame is detected. This may be caused by fuel supply or ignition issues.	Restart the fireplace. If the problem persists, contact your dealer.
Flame Out	The fuel level is too low or the fuel tank is empty.	Do not switch off the power. Refill the fuel tank as described in section: Fuel Filling & Emptying.
Spill Detected	Liquid has been detected, possibly due to overfilling or leakage.	Allow spilled bioethanol to evaporate completely. Do not attempt ignition while a spill is present. Contact your dealer if the issue persists.
MCU Temp High	The controller temperature is too high, which may cause overheating or system shutdown.	Allow the fireplace to cool down completely before restarting.
Low Fuel	The fuel tank is nearly empty.	Refill the fuel tank as described in section: Fuel Filling & Emptying.
Remote Low	The battery level in the remote control is low.	Replace the battery in the remote control.
Sensor Error	One or more sensors are not functioning correctly.	Contact your dealer or Decoflame for service.

MAINTENANCE & CLEANING

Regular maintenance and correct cleaning are essential to ensure safe operation, optimal performance and long product life of the fireplace.

Before any cleaning is carried out, ensure that the fireplace is completely switched off and that all components have cooled down fully.

GENERAL MAINTENANCE

The fireplace is designed to require minimal maintenance during normal use.

Glass components are made of toughened, heat-resistant glass. Both glass and metal parts exposed to flame heat may change colour or surface structure slightly over time. This is considered normal wear and does not constitute a product defect.

Regular visual inspection of the burner, glass components and surrounding surfaces is recommended to ensure that no damage, excessive soot or contamination is present.

CLEANING THE BURNER

The burner must be kept clean and free of dust, debris and residues.

Clean the burner using a lint-free cloth or paper towel together with a non-abrasive cleaning agent, such as bioethanol or another alcohol-based product.

ℹ️NOTE
When cleaning the Flame tray, special care must be taken to avoid contact with the filament. This delicate component can be easily damaged if touched.

CLEANING GLASS COMPONENTS

Glass panels must be completely cooled before cleaning.

Clean glass using a soft, lint-free cloth and a suitable, non-abrasive glass cleaner.

Avoid scratching the glass surface.

CLEANING POLISHED STEEL SURFACES

Polished steel surfaces must only be cleaned using a soft, clean cloth.

Paper towels or rough materials may cause scratches and should not be used on polished surfaces.

PERIODIC CHECKS

- Ensure that ventilation openings are free from obstruction.
- Check that all visible components are intact and undamaged.
- Verify that the remote control functions correctly and replace the battery if required.

⚠️

WARNING

- The fireplace must never be cleaned while in operation or while hot.
- Do not attempt to open or service internal components.
- Servicing and repairs must only be carried out by authorised personnel.

Failure to follow these instructions may result in damage to the fireplace and may void the warranty.

DISPOSAL & SORTING

Decoflame bioethanol fireplaces are manufactured from aluminium, stainless steel, glass, copper, plastic and electronic components.

At the end of the product's service life, the fireplace must be disposed of in accordance with applicable local and regional regulations.

ELECTRONIC COMPONENTS
Electrical and electronic components must be disposed of separately and in accordance with local regulations for electronic waste (WEEE).

Electronic components must not be disposed of with household waste.

METAL AND GLASS COMPONENTS
Metal and glass parts can generally be recycled.

Handle glass components with care during disassembly and disposal.

Sorting of materials must be carried out in accordance with local recycling guidelines.

ENVIRONMENTAL CONSIDERATIONS
Most components of Decoflame bioethanol fireplaces are recyclable.

Correct disposal and material sorting contribute to reduced environmental impact and responsible use of resources.

For further information on correct disposal, contact your local waste disposal authority or recycling centre.

COMPLAINTS, WARRANTY & SERVICE

Decoflame ApS provides a 24-month right of complaint, calculated from the date of purchase at Decoflame ApS.

The right of complaint covers documented defects attributable to material or manufacturing faults.

The right of complaint is a supplement to the buyer's statutory rights under applicable Danish and EU legislation.

ℹ️ NOTE
Repair or replacement does not extend the complaint period.

The product must be purchased from an authorised Decoflame dealer and installed by an authorised service technician, where required.

THE RIGHT OF COMPLAINT DOES NOT APPLY TO
The right of complaint does not apply to conditions resulting from normal use, wear or external influences, including:

- Cosmetic conditions (colour changes, patina, corrosion, oxidation, wear of glass and surface finishes)
- Normal wear and ageing
- Damage occurring after delivery (transport, storage or handling)
- Damage caused by external influences (fire, flooding, frost, lightning, etc.)
- Incorrect installation, incorrect use or lack of maintenance
- Modifications or repairs carried out by unauthorised persons
- Use of non-original or non-approved components
- Commercial use of the product

IN THE EVENT OF A COMPLAINT
Complaints must be submitted to the dealer from whom the product was purchased.

The following documentation must be provided:

- Order number or CE marking
- Product serial number
- Valid proof of purchase
- Written description of the fault
- Photographic documentation

Decoflame ApS determines whether the complaint is justified and decides on the appropriate remedy.

To ensure that the right of complaint is valid and active, the service form must be completed.
See the section Service & Support.

WEAR PARTS
The fireplace is designed for long service life when correctly installed, used and maintained.

The right of complaint does not apply to wear parts.

Wear parts are components subject to natural wear during normal operation and therefore require regular inspection and replacement.

Wear parts include:

- Hoses (external filling pump and siphon system)
- Seals
- Igniters
- Heating element
- CO_2 sensor
- Flame tray

Indicative replacement intervals:

- Hoses: after approx. 1,000 operating hours or 2–5 years
- Igniters: after approx. 1,000 start/stop cycles or in case of malfunction
- Heating element: replace as required
- CO_2 sensor: replace as required

All service work and replacement of wear parts must be carried out exclusively by a Decoflame ApS-approved or instructed service technician.

Failure to comply with service and maintenance requirements may result in loss of the right of complaint.

SERVICE & SUPPORT
The service form must be completed via:

- https://www.decoflame.dk/service
- https://www.decoflame.com/service

Contact Decoflame ApS for service:
Telephone:
+45 96 30 48 00 (extension 4)

Applicable complaint conditions are stated in Decoflame ApS' General Terms of Sale and Delivery.



BIOETHANOL

BIOETHANOL IS A HIGHLY FLAMMABLE FUEL
AND MUST BE HANDLED WITH CARE.

This fireplace is designed to operate with liquid bioethanol fuel only. Improper fuel quality, unsafe handling or incorrect storage may result in fire, personal injury, property damage or malfunction.

APPROVED FUEL QUALITY
Only bioethanol with an alcohol concentration of 96.5–97.5 % (v/v), free from additives and oils, may be used.

! REQUIREMENT
Use only liquid bioethanol of 96.5–97.5% alcohol purity.
Do not use viscous, gel-like or scented products.
Do not add oils, fragrances or any other substances.

Bioethanol must be at normal room temperature before ignition. If the fuel is too cold, ignition may be difficult or unstable.

STORAGE CONDITIONS
Always follow the instructions on the bioethanol packaging.

- Store bioethanol securely and out of reach of children.
- Store only in the original, correctly labelled container.
- Keep the container tightly closed.
- Store in a relatively cool, dry and well-ventilated area, away from ignition sources.
- Keep away from oxidising agents and incompatible materials.
- Take preventive measures against static electricity generation.

REQUIREMENT
Bioethanol must be stored in a safe manner in accordance with applicable local regulations.

GENERAL SAFETY PRECAUTIONS WHEN HANDLING BIOETHANOL

Preventive measures:

- Avoid inhalation of vapours.
- Avoid contact with eyes, skin and clothing.
- Persons prone to skin allergy or respiratory disease should avoid direct contact with bioethanol.
- Follow general chemical handling precautions (hygiene, ventilation, protective measures).

ℹ️NOTE
If bioethanol is spilled, allow it to evaporate completely before operating the fireplace. Ventilate the room without creating draughts.

FIRE PREVENTION MEASURES

Due to the highly flammable nature of bioethanol, all fire safety precautions must be followed strictly.

- Protect the container from overheating.
- Store bioethanol in a fire-resistant container and keep it out of reach of children.
- Avoid contact with heat, sparks and open flames.
- Keep away from incompatible materials such as metal or alkaline products.
- Flash point: 13 °C
  Boiling point: 78 °C
- The fireplace may be difficult to ignite if the bioethanol temperature is below room temperature.

FIRST AID AND EMERGENCY GUIDANCE

If bioethanol contacts eyes or skin, follow the instructions on the bioethanol packaging and seek medical guidance if symptoms persist.

If ingestion is suspected, contact local poison control / medical services immediately for further guidance.

CLASSIFICATION AND REGULATORY RESPONSIBILITY

Denatured bioethanol is classified as:

- Flammable Liquid – Category 1B (flammability)
- Class 3, Packing Group II (transport classification)
- UN 1170 (identification number)

Bioethanol is regulated by various standards and regulations globally. Users must familiarise themselves with and comply with applicable requirements for lawful and safe storage, handling, decanting and use of this fuel.

RECOMMENDED FUEL

Decoflame recommends using Decoflame bioethanol where available. For purchasing guidance and approved products in your market, contact your nearest Decoflame retailer.

DO NOT

- Do not smoke when handling, transferring or filling bioethanol.
- Do not pour bioethanol onto a hot fireplace or into open flames.
- Do not handle bioethanol near heat sources, sparks or open flames.



PROHIBITED USE

The following actions are strictly prohibited and will void the warranty:

- Mixing bioethanol with other fuels
- Adding additives, oils, scents or colouring agents
- Using fuels other than approved bioethanol (96.5–97.5 %)
- Using bioethanol for purposes other than fireplace operation

SYMBOL EXPLANATION

The symbols used in this manual are intended to provide clear and immediate communication of important safety information, warnings and operating instructions.

The symbols highlight actions that must not be performed, conditions requiring special attention, and general safety and health hazards associated with the use of the bioethanol fireplace.

All symbols must be fully understood and strictly observed. Failure to comply with the indicated instructions may result in fire hazard, personal injury, malfunction and loss of warranty and right of complaint.

If a symbol appears without accompanying text, its general meaning applies as defined in this symbol explanation.



Do not refill directly onto the flames



Do not refill a hot burner



Do not place the bioethanol fireplace close to combustible materials



Protect the fireplace from draughts



No smoking



Do not blow into the flames



Do not touch the flames



Health hazard



Keep suitable fire extinguishing equipment available



Follow instructions regarding fuel and fire blanket



Warning – combustible material

decoflame

Installation and use of the fireplace must comply with all applicable national and local regulations, including requirements from local fire authorities. All specifications are subject to product tolerances and ongoing technical development. Typographical errors and technical inaccuracies are reserved. This manual may be translated into other languages. In the event of discrepancies or differences in interpretation, the English version shall prevail. Decoflame ApS reserves the right to make changes to products and documentation without prior notice.

For further information, please refer to Decoflame's General Terms of Sale and Delivery.

Decoflame ApS | Vang Mark 2, 9380 Vestbjerg, DK | +45 9630 4800 | info@decoflame.dk