

Instruction Manual

Intelligent ethanol fireplace

1 Year Warranty



Warrant objective is the host machine, from the date of purchase to one year later, in the case of routine use. When the machine doesn't work normally due to malfunctions, our company will provide free maintenance. However, malfunctions caused by using unspecific fuel and incorrect usage, the bumping, deformation, color fading, are not included in the warranty range.



Index

Please attention before using

Safety Caution.....1,2

Preparations before use.....2

Fuel chosing.....2

Thank you for purchasing this product.

How to use

Add fuel.....3

How to Ignit burner.....3

Flame adjustment.....3

Distinguish the burner4

Identification and dealing with malfunction and abnormal phenomena.....4,5

Installation instruction.....6

Quick review of how to use the burner.....7, 8

Data specification9

Please read this manual before using this product for the purpose of proper using.
Please keep this manual properly at the place where the user can take it out at any time.
Please feel free to contact us if you have any questions.

Safety Instruction

If you operate the product by ignoring this mark, it will cause great danger, casualties, or fire.

If you operate the product by ignoring this mark, it will cause casualties, or fire.

If you operate the product by ignoring this mark, it will cause damage to people and object.

Warning

Please DO NOT add fuel when the burner is light on.

Please DO NOT use gasoline or other volatile fuels,

Please DO NOT ignite the burner before you clean the spilled fuel outside the fuel tank.

Please DO NOT place this burner in windy environment.

Placement of spray cans is strictly prohibited.

Do not place spray cans, or dedicated tank of cassette gas stove near the fireplace.

Because heating can cause the tank pressure rise, which may cause an explosion. It is very dangerous.

Prohibit using flammable gas.

In the room with alcohol fireplace, do not use the items which would give off flammable gas (such as gasoline, thinner) and aerosols, in order to avoid fire or malfunction.

Turn off the product when you leave.

Prohibit covering on the upper part of the fireplace when it's working.

Do not place items such as clothing and paper onto the fireplace top, so as to avoid fire.

Prohibit placing the product close to the curtain and flammable materials

Do not use the product near the curtain and other flammable materials, in order to avoid fire.

Place the fireplace in level and firm ground or wall.

Do not use this product in the following places:

It may easily cause fire and other accidents.

- Uneven, instable places, or with excessive vibration.
- Below a shelf where instable items are places.
- Tuyere, room exit or outdoors.
- Unattended area. (Such as greenhouse, breeding room, etc.)
- Places that will produce or are full of flammable gas.
- Places which are not adequately ventilated, due to the reasons such as window ice.
- Places where alcohol fireplace is surrounded by all sides.
- Places with much dust, moisture and metal dust.
- Place with elevation of more than 1,000 meters.
- Places with direct sunlight.
- Places which use sprayer and chemicals, such as barber shop, beauty shop, dry cleaner, soldering workshop, electroplating plant, and paint factory, etc.

Do not touch the hot parts directly.

Do not touch the back and side of fireplace after turning on.

Do not add alcohol in status of high temperature.

Do not add alcohol immediately after shutting down, in order to avoid fire.

Prohibit using it at abnormal state.

Please stop using it, when there are smell, smoke, abnormal flame color and other anomalies.

Abnormal combustion phenomenon may happen.

Prohibit repairing or reconstructing it without authorization.

If malfunction or damage occurs, stop using it.

Repairing and reconstructing without authorization is very dangerous.

In order to achieve better effect

·Please place it where is more than 20cm away from the wall.

·Do not place it where the product front could be blown by wind directly.

How to use the fireplace

Take out alcohol fireplace

1. Remove the packing materials, then take out the fireplace.

2. Plug the charger into a power outlet (100-250V/47-63Hz), connect the DC adaptor with fireplace.

3. Turn on the on/off button, put the fireplace into fireplace surrounding.

Preparations and matters in need of confirmation before operation

1.Place it at the flat place

Do not use the alcohol fireplace when it is tilted.

Extinguish the flame before moving it, and keep moving it under the level state.

Please don't remove it after alcohol filled

2. Plug the charger into a power outlet(100-250V/47-63Hz).

Prohibit using any fuel not specified

Please use 95% ~99.7% bio ethanol.

Never use any fuel not specified.

If you use the fuel without authorization, it will cause machine malfunction and abnormal combustion phenomenon.

Fuel storing methods

·Fuel container must be dedicated container, and prevent it mixing with contamination.

·Any container which was filled with gasoline, thinner, edible oil, machine oil, heavy oil, light oil, or other unspecified fuels can not be used to store the specified fuel.

·You must close the container lid tightly. If the fuel is in an open container, it will deteriorate because of alcohol volatilization.

·Do not store the fuel under sunlight and high temperature. The fuel will deteriorate, because fuel oxidation speed will be increased by UV and high temperature.

·Do store the fuel at the place with rainwater, garbage and dusts. Rainwater, garbage and dust will cause a malfunction or abnormal combustion.

The consequence for using unspecified fuel

When using unspecified fuel or storing in improper methods, it will cause the following phenomenons:

- Producing smell.
- Flame is turning yellow.
- Power can not be increased.
- Even if press the power button to extinguish the flame, it is difficult to make it.
- Hard to ignite.
- Ignition failure.

As for malfunction due to incorrect using of fuel, you can deal with problems as the following methods.

- Please take all the fuel out of the product, and clean it with the specified fuel.
- Repeating ignition and flameout operation five times. (This operation will produce smell, so please open the windows.)
- When there are few improvements after above methods, please ask the retailer or authorised service station for maintenance.

Please obey it

Malfunctions caused by using unspecified fuel, fuel deterioration due to improper storage, and contamination mixture, are not included in the warranty range for one year maintenance free of charge.

Fuel filling methods

- 1.Connect the fireplace with electricity power with the DC adaptor;
 - 2.Open the fuel filling door;
 - 3.Connect the fuel adding pipe with fuel filling hole on burner;
 4. Click the fuel adding button when the auto filling fuel indication light on, then add fuel automatically;
 - Please turn off the fuel adding button after finished adding fuel. Suggest add at least 4 liters.
 - When reach the max load capacity, the pump will be off automatically;
 5. If failed in auto fuel filling, can fill the fuel by hand, just open the white plastic lid, place a funnel into the hole, then fill fuel.
 - Be careful not to spill alcohol.
 - When you add the alcohol by hand, be careful not to exceed the max fuel capacity.
- If fuel spill out accidentally, please clean it and don't turn on the fireplace before the spilled fuel all volatilized.
Please close the plastic cap after added fuel.
6. When adding alcohol, be careful not to drop other items into the fuel tank.
Please close the cover door after finished the fuel adding.
 7. Please don't add fuel if the fire is not distinguished.

How to start the fireplace

1. Press the power button, there is bee sound, this indicate the system is in good condition.
 2. Press power button again or click the on button on remote controllor.
- Because heat-resistant coating is baked in initial use, there will be some smell or smoke.
It will return to normal after about an hour, during this time please keep the house ventilated.

High and low flame size setting method

Please click the up/down arrow button or remote control up/down arrow button to adjust the flame size.

How to stop the fireplace

1. Press on/off button or off button on remote control to stop working of burner, the button light will be flash until it is cool down. Please don't restart the fireplace until the button flash off.
2. No more fuel be supplied to burning chamber, fire will be disintuished after fuel burn out in the burning chamber.
3. Please restart the system at least 15 minutes later.

IMPORTANT!!!

- Please click the on/off button or remote control button to distinguish fire.
- Do not use cover the fire with blanket or other material to extinguish flame, otherwise it will cause a fire.

Refilling signal

- 1.If the alcohol is in low level, the malfunction light will flash, and the buzzer will beep (B,B,B....) to warning the fuel is not enough.
- 2.If you continue to use it, it will automatically shut down after 1 hour.
- 3.After shut-down, if it is restarted without adding alcohol, the malfunction light will continue to flash. The machine will not boot correctly, buzzer will give signal to indicate the fuel is in short.
4. After added alcohol. Press the "on/off" button again, then machine will start operating.

How to store it if not use it for a long time

- 1.Please cut off the electricity power supply.
- 2.Please keep 50% fuel inside the fuel tank.
- 3.Keep the burner surface away from dust, can put a dust cover on it.

Identification and disposal methods of abnormal phenomenon

Before authorised repair

The following phenomenons are not malfunctions. Please confirm it before authorised repair.

Don't ignite immediately:

- Alcohol can not be delivered to the oil pipeline immediately after adding it. It takes some time. Please repeat ignition operation once or twice.

In initial use, there is some smell or smoke:

Because heat-resistant coating is baked in initial use, there will be some smell or smoke. It will disappear after about an hour, during this time please keep the room ventilated.

It may ignite twice or thrice after a successful ignition:

Because the room temperature is too low, please disregard it. Later it will be back to normal








Pink or orange flame:

This phenomenon occurs in using ultrasonic humidifier, as the water contains calcium.

Tiny flame in orange:

The reason is the alcohol concentration is too low, you can replace it into alcohol with concentration of 95% .

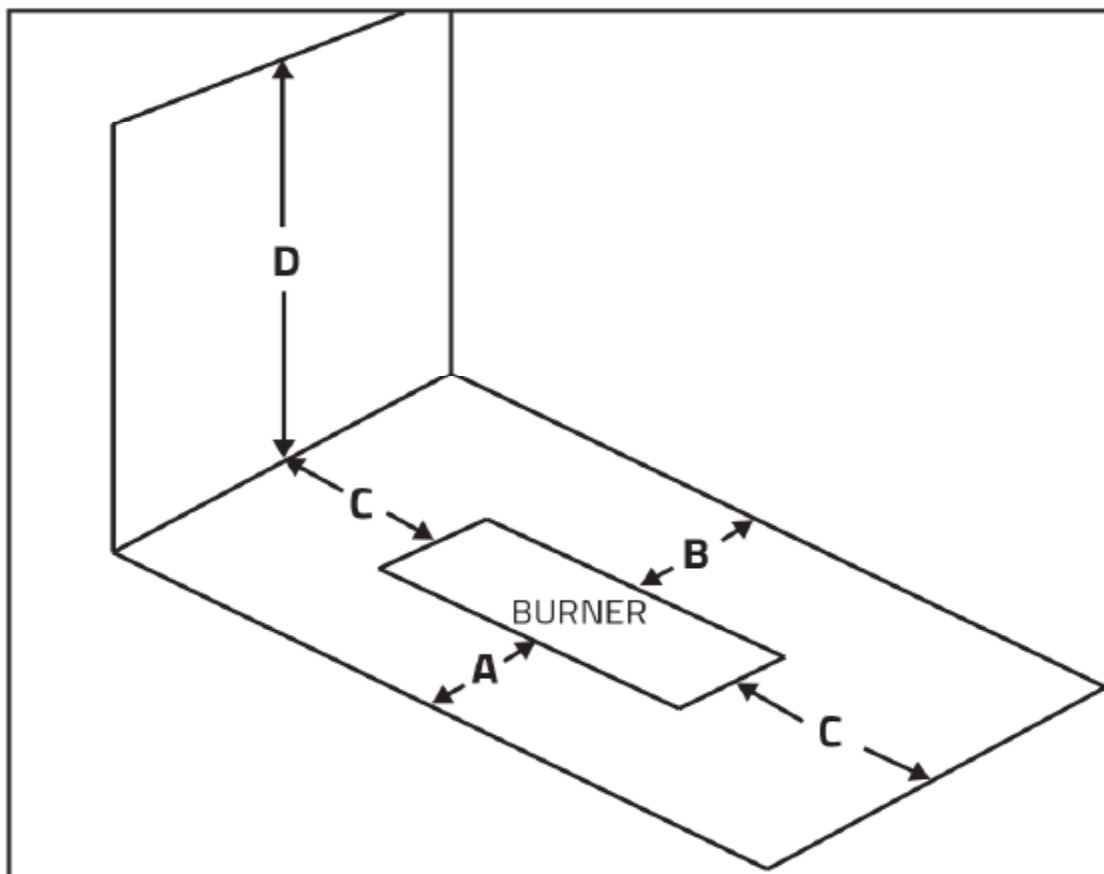
Reasons and disposal methods of abnormal phenomenon

Abnormal phenomenon on the button	Reason	Reason	Solution
	Flash, beep:B,B,B,B,B,B,B,B,B,B,B,	Carbon dichloride reach the warning point	Keep the room ventilated as soon as possible
	Flash, beep:BB,BB,BB,BB,BB,BB,BB,	High temperature in the burning tank	It's shut off automatically. Please don't restart the burner until it's cool down totally
	Flash, beep:BBBB,BBBB,BBBB,BBBB,	Burner not sit in flat place, shut off automatically in 15 seconds.	Please remove the burner to flat place, check if any fuel spill out, if everything is right, then reboot the burner.
	Flash, beep:BB...,BB...,BB...,BB...,BB...,	Alcohol fuel is in shortage, will alarm every 10 minutes, and then off work in 1 hour automatically	Shut down and add enough alcohol fuel
	Flash, beep:BBB...,BBB...,BBB...,BBB...,	When Carbon dichloride exceeds the healthy warning point, it shuts down automatically	Keep the room ventilated right away and then restart the machine if necessary.
	Flash, beep every minute:BBBBB..., BBBBB...,	Fire ignition failed or fire distinguished.	Burner stop working within 30 seconds
	Flash, beep every minute:BBBBBB..., BBBBBB...,	Fuel reach max loading capacity, the pump will stop automatically	Don't add more fuel by hand then.

Installation Instructions

The bio ethanol Burner can be fitted into a firebox that has minimum clearances as outlined below. Custom made fireboxes must be made out of a non-combustible material such as stainless steel, stone etc. Please leave a electricity power connection socket on the left side under/near the hole for burner fit in. And please have this socket electricity supply can control on/off from outside wall.

Front Clearance (A)	Rear Clearance (B)	Side Clearance (C)	Overhead Clearance(D)	Nearest Combustible Radius
4 inch 10cm	4 inch 10cm	4 inch 10cm	24 inch 61cm	24 inch 61cm



IMPORTANT: If the burner install in a single side opening fireplace surrounding, please make the MAX DEPTH of the fireplace 20 inches, if too deep the fireplace is, it's not good for heat/air circulation. If it's install in a double side opening or all open fireplace surrounding, then free to the depth size.

Quick Review of how to use the smart ethanol burner



Connect to the power with DC adaptor



Control option 1: Control button on burner panel
Press power button for two times, 1st time to let the system active.
2nd time to ignite the burner.
Up arrow: change to larger flame size;
down arrow: change to smaller flame size



Control option 2: Control button on remote controller
Press power button for two times, 1st time to let the system active.
2nd time to ignite the burner.
Click 1 time to distinguish/stop the fire when the fire is on.
Up / + : change to larger flame size;
Down / - : change to smaller flame size

Quick Review of how to use the smart ethanol burner



TheBioFlame

Version: 1.0 File size: 900KB



Control option 3:

Please install The Bio Flame APP on the mobile phone.

For Android system, please download APP from www.thebioflame.com

For Iphone/Ipad, please search "the bio flame" in the APP stores.

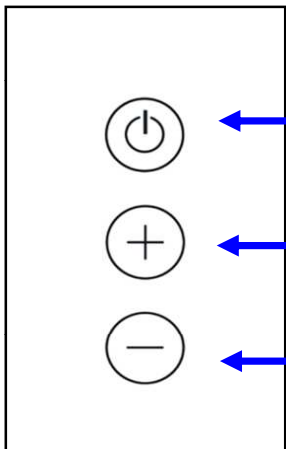
Or scan the QR code

After well install the APP on your phone,

Search the wifi "The Bio Flame" and connect it.

Connect password is "0123456789"

Click the The Bio Flame on the mobile phone, then access to the window like left side



Click twice to ignite the fireplace.

Click 1 time to distinguish/stop the fire when the fire is on.

+ : change to larger flame size;

- : change to smaller flame size



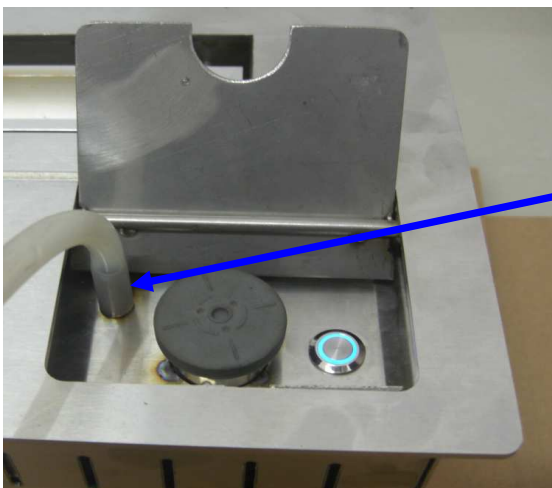
Add fuel:

Please **DO NOT** add fuel when the burner is light on.

Please **DO NOT** use gasoline or other volatile fuels,

Please **DO NOT** ignit the burner before you clean the spilled fuel outside the fuel tank.

Open the lid



Add fuel:

Auto filling:

Connect the electricity power by the DC adaptor.

Then you can see the button under the lid is lighting in blue.

Please connect the rubber pipe with the stainless steel pipe like the photo.

Put the another end of pipe into fuel, press the button lighting in blue.

Please add at least 4 liters in.

The pump will stop fuel adding once reach the max load capacity.