

User Guide

--Ethanol Fires



2020 Model Multiple Functions: LED Screen / Over-heat protection / Over-flow protection / Shake-off protection / Co2 protection etc...

Intelligent Ethanol Fireplace & Intelligent Water Fireplace



U.S.: Federal
Communications
Commission (FCC)



Canada: Industry
Canada (IC)



Japan: Ministry of Internal
Affairs and
Communications (MIC)



Korea: Korea
Certification (KC)



Europe: Conformite
Europeenne (CE)

Art Fireplace Technology Limited

PROFESSIONAL INTELLIGENT FIREPLACE MANUFACTURER

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USER GUIDE

ART FIREPLACE MODELS:

Ethanol Burners:AF40,AF50,AF66,AF80,AF100,AF120,AF150,AF180,AF200,AF220...

Square Ethanol Burner:AS50 Round Ethanol Burner:AR70

Wall Mount Ethanol Fireplaces:AH66,AH100, Portable Fireplace:AP50

3D Water Fireplaces:AF60-3D,AF100-3D,AF120-3D,AF150-3D,AF180-3D,AF200-3D

Customized Burners/Fireplaces are available.

Made to measure burners have the same technical equipment.



1. **WARNING!**

Before any use, the device must be installed accordingly to paragraph 3&4.

This apparatus is manufactured to have intermittent functioning.

Ignoring these instructions could result in death or injury.

Use your device only in well ventilated areas.

Always observe the rules for provision of combustion and ventilating air for unvented heaters.

Installing the fireplace horizontally (check it with a spirit level). Fix it strongly against the wall or on the ground.

Respect the local and national laws regarding the use of fireplaces.



WARNING! SAFETY ADVICE

- Every room where the apparatus is used must be provided with a sufficient fresh supply of oxygen (accordingly to the local rules and regulation).
- Do not use the device near flammable objects.
- Never use your device to heat or boil water or as a cooking appliance.
- It is forbidden to use this device in caravans on the systems of safety.
- A safety system prevents the ignition when the apparatus is hot. Do not hinder it's functioning.
- Do not move the device when it is running or cooling down.
- If the power cable supplied with the fire is damaged, please contact your supplier for a replacement from the manufacture.
- Never put your hand, touch or lean on the fireplace when it is functioning or during cooling period.
- It is advisable to have a powder or CO2 extinguisher near your fireplace in case of emergencies.
- Before igniting the fireplace you must be in the same room as the fireplace. Keep the fireplace permanently under surveillance as soon as the fire has started. Keep children away.
- Never use accessories which are not of origin of stamped by the manufacture.
- Never leave any objects on the device. Remove these objects before the ignition.
- Never use in a room with drafts.



COMBUSTIBLE WARNING!

- Only use denatured Ethanol (Ethyl-Alcohol) 95% vol. minimum.
- Never use other fuel or combustible.
- Never store the fuel for the device in your living areas.
- The addition of other additive (essential oil, perfumes) in the fuel is forbidden.
- Do not throw anything in the fuel which burns.
- During the filling, ventilate the room, do not smoke and switch on/off the mobile phone.
- The filling of the tank has to be made when the fire is put out (safety against the fire). An electronic security system prevents the tank door from opening by locking it while the burner is running or is still in high temperature. When the burner is cold, you can press on the trap door switch for refueling.
- Never dispose the fuel in the water pipelines nor in nature. Respect the environment.
- Do not store bio-ethanol near the fireplace.

2. TECHNICAL CHARACTERISTICS OF THE DEVICES

Reference	Output (Watts)	Consumption (Litre/hour)	Tank capacity (Litres)	Dimensions L x W x H (cm)	Weight (Kgs)	Minimum volume * (m3)
AF40	2650	0.3	3.7	40*24*21.5	12.0	35
AF50	2850	0.4	5.7	50*24*21.5	14	42
AF66	3750	0.6	3.7	66*24*13.5	16	59
AF80	3850	0.8	9.8	82*24*21.5	19	70
AF100	6200	0.9	12.0	100*24*21.5	24	90
AF120	7500	1.1	12.0	122*24*21.5	33	105
AF150	10000	1.7	15.0	152*24*21.5	42	120
AF180	12400	2.2	18.0	182*24*21.5	52	140
AF200	14000	2.8	21.0	210*24*21.5	59	150
AF220	15600	3.5	23.0	230*24*21.5	65	160
AR70	8750	1.2	9.0	Round Φ 70	28	130
AS50	8750	1.2	9.0	50*50*21.5	25	130
AH66	3750	0.6	3.7	110*27.5*56	37	50
AH100	6200	0.9	5.7	144*27.5*56	47	80

*Minimum volume of room advised (m3)

Device equipped with an adapter 12 volts-110/240 V AC 50-60 Hz (7A and 10A).

Device equipped with an infrared remote control (Batteries not supplied).

Device equipped with an outside connector (dry contact) allowing a remote switch On/Off.

Never start an device which will be unattended afterwards.

3, PREPARATION OF THE DEVICE BEFORE USE

Remove the packaging of your device.

Verify that there is no object in the burner. Remove it if necessary.

Devices **MUST BE** mounted on the wall, fixed on the ground or built-in.

● Fireplaces installation

A mounting bar with holes is supplied with wall fireplaces

Use a spirit level to ensure that the bar is straight; fix it by using appropriate screws according to the type of chosen wall.

With the help of another person, hang the fireplace in position.

Check that the fireplace has a right level by using a spirit level.

For floor mounted devices, fix it to the floor with screws.(4 holes in the bottom of the device).

● Burners Installation

Build-in the burners according to the flame level.

Check that the fireplace has a right level by using a spirit level.

4, SPECIAL PRECAUTIONS FOR INSTALLATION

- Do not cover the device.
- Do not put objects on the device when functioning.
- Leave a free access to the control buttons.
- Do not leave curtains or lace curtains within 1 meter of the device.
- Do not use in a room with draught.
- Warn people around you, particularly children of the dangers of fire. Never let them approach the device.

5, POWER SUPPLY CONNECTION

An adapter is provided with your device: INPUT 100-240 volts 50/60 Hz and OUTPUT 12V/7A or 12V 10A.

Before positioning, the device must be connected with the supplied adapter to the power supply.

If you want to connect your device to a remote command (home automation, etc...), you must use the “dry contact” connection.

WARNING: This connection is planed without polarity and electric tension(0 volt) and amperage(0 A). Warning if you use a tension the electric board will be damaged.

6, FILLING OF THE TANK



- 1, To open the door of the tank, press on the left switch near the LED screen. (the right one is for ignition) and open the door immediately.
- 2, Use Funnel to Fill 95% bio ethanol into the tank of the burner from point "1".
- 3, Keep pressing button "2" 4 seconds, the ethanol will be pumped automatically into the tank of the burner from point "3".



Notice:

- NEVER fill the burner directly. ALWAYS fill the tank from the tank door..
- Use only the recommended fuel minimum 95% delivered in a packaging of safety.
- Fill the tank carefully without overflowing. Do not smoke, switch on/off the mobile phone near the fireplace.
- If the burner is too hot, the door will not open (Error message: TEMP or HEAT). wait until the temperature decrease.
- Close the bottle and store it away far from the fireplace.
- Stop the filling once the maximum level is reached: a BIP is emitted by the electronic gauge.
- If ever some ethanol spills out the reservoir, wipe it completely with a cloth or an absorbing paper before starting the fireplace.

- Check that no ethanol trace remains outside of the tank door before ignition.
You absolutely need to close the tank trap door if you want to ignite your ethanol fireplace.
For security reasons a system will check and lock the trap door before ignition.
It is recommended to full the tank for the first use!

7, INSTRUCTION OF USE

a) Buttons and LED Display



- 1, Before Connecting Electronic Power to the burner, close the tank door well.
- 2, Connect Electronic Power to the burner, then wait 3 seconds, and then operate the burner.

Button 1: Trapdoor Control

Button 2: Switch ON/OFF

Screen: LED

b) Ignition

Ignite and shut the device only with the switch ON/OFF Button or the remote control or "Dry Contact".

Leave a remote control out reach of Children.

Press the Button **ON/OFF on the Unit For FIVE SECONDS** or press on the remote control, the pump will automatically fill up the fireplace. After a few seconds an automatic ignition will take place. If the first ignition is failed, there will be a second one. If the fireplace failed to be lit up, please consult the "Error Message" on the LED screen and read the paragraph "Error Message".

Never directly fill up the burner tray.

c) Shutting

Shut down the device with the switch ON/OFF on the unit or press on the remote control only, The pump will stop. Wait for the flame to stop completely before leaving the room..

For security reasons, it is not possible to relit the device just after its extinction. The temperature of the fireplace must have cooled down under 60°C:140°F before restarting. Please wait a few minutes.

8, ERRORS AND FUNCTIONING MESSAGE

Message	Anomaly and functions	Solutions
FUEL	The tank is empty	Fill up the tank
FULL/SHUT	The tank is full	Stop filling and close the door
FILL	Filling the tank	Filling the tank
TEMP	The temperature of the fireplace is over 60°C-140°C F	Wait until the temperature decrease
DOOR	The tank door is open	Close the trap door of the tank
FAIL	Failure of the ignition	Try again or light ethanol by hand while igniter turns red.
HEAT	One tray ethanol is burning,the other not,The temperature of the burner is over 60°C	Try again until burner temperature decrease.After 3 attempts contact your retailer
PUMP	Pumping	Check that pump working or not.If not,contact your retailer.
LEAK	The ethanol over flow from the burning tray into the safety tray	Check that there is no flame inside the safety tray. If yes contact your supplier.
SHAK	The burner is shaken by external forces.	Stop the burner and restart the burner again
CO2	The CO2 concentration in the room is high level	Let fresh air in the room space.
Power Light		
Burning time	Burner starts burning	

WARNING: Your device works with automatic positive safeties, If an error message appears, you can restart the device only if the error has been corrected.

9, MAINTENANCE AND CLEANING

- All the operations of cleaning and maintenance must be done with a dead fire and cold device.
- Clean the burners with a soft rag or cloth.
- Some components are determining the safety and the functioning of your device.

Their replacement may modify the performances of your device. Only original components must be used during the operations of maintenance, or reparations. This maintenance must only be operated by specialists.

Failure to observe this operating manual and its operating instructions as well as unauthorized tampering with the device releases us from any liability and also invalidates the warranty covering the devices and accessories.

10, COLORS OF THE PANEL AVAILABLE

Mirror Black



Brush Black



Stainless Steel



Brushed Gold



We Focus On Intelligent Ethanol Fires & Water Vapor Fires.

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Thank you For Reading.