



# CH-1 CINEMA HAZE User Manual

- ENGLISH



**CH-1**  
CINEMA HAZE



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## Safety Information



**Please read the following safety information carefully before operating the machine. Information includes important safety information about installation, usage, and maintenance. Pay attention to all warning labels and instructions in this manual and printed on the machine.**

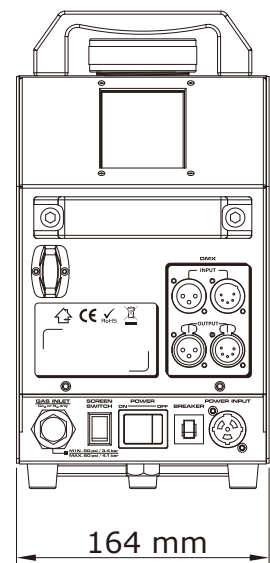
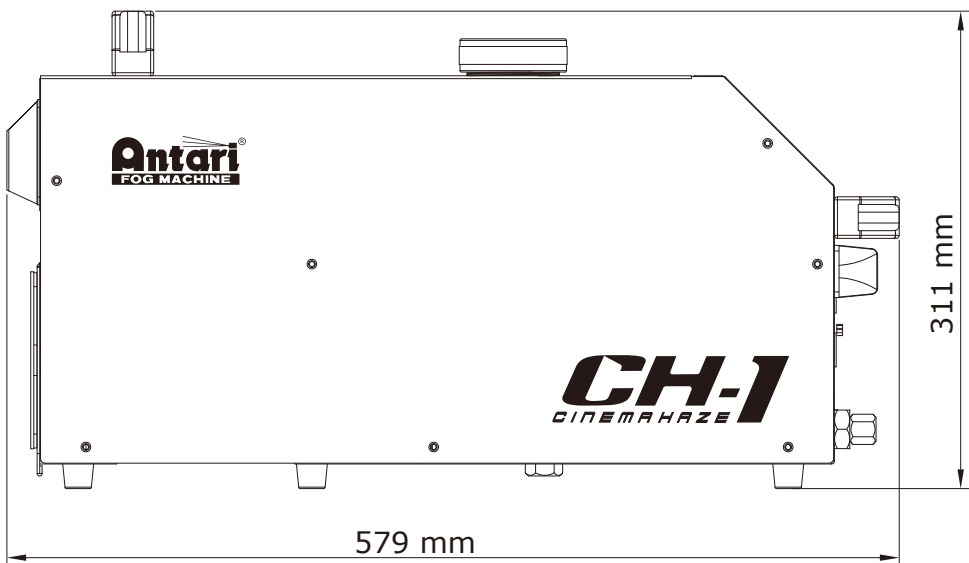
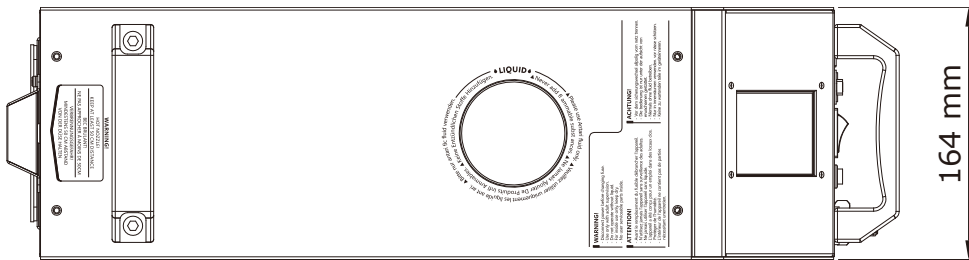
If you have questions about how to operate the machine safely, please contact your local Antari dealer for help.

- Keep this device dry.
- Always connect to a grounded circuit to avoid risk of electrocution.
- Before connecting the machine to power, always check the voltage indicated on the machine matches to your local AC voltage. Do not use the machine if the AC power voltage does not match.
- Disconnect the machine from AC power and gas cylinder before servicing and when not in use.
- This product is for indoor use only! Do not expose to rain or moisture. If fluid is spilled, disconnect AC power and clean with a damp cloth. If fluid is spilled onto electronic parts, immediately unplug the machine and contact your local Antari dealer for advice.
- No user serviceable and modifiable parts inside. Never try to repair this product, unauthorized technician may lead the machine to damage or malfunction.
- For adult use only. Never leave the machine running unattended.
- Install in a well ventilated area. Provide at least 50 cm of space around the machine.
- Never add flammable liquid of any kind to the machine.
- Make sure there are no flammable materials close to the machine while operating.
- Only use Antari fluid. Other fluid may lead to heater clog and malfunction.
- If the machine fails to work, unplug the machine and stop operation immediately. Contact your local Antari dealer for advice.
- Before transporting the machine, make sure the fluid tank is completely drained.
- Smoke fluid may present health risks if swallowed. Do not drink smoke fluid. Store it securely. In case of eye contact or if fluid is swallowed immediately seek medical advice.
- The appliance is not to be used by persons (including children) with reduced physical, sensory or

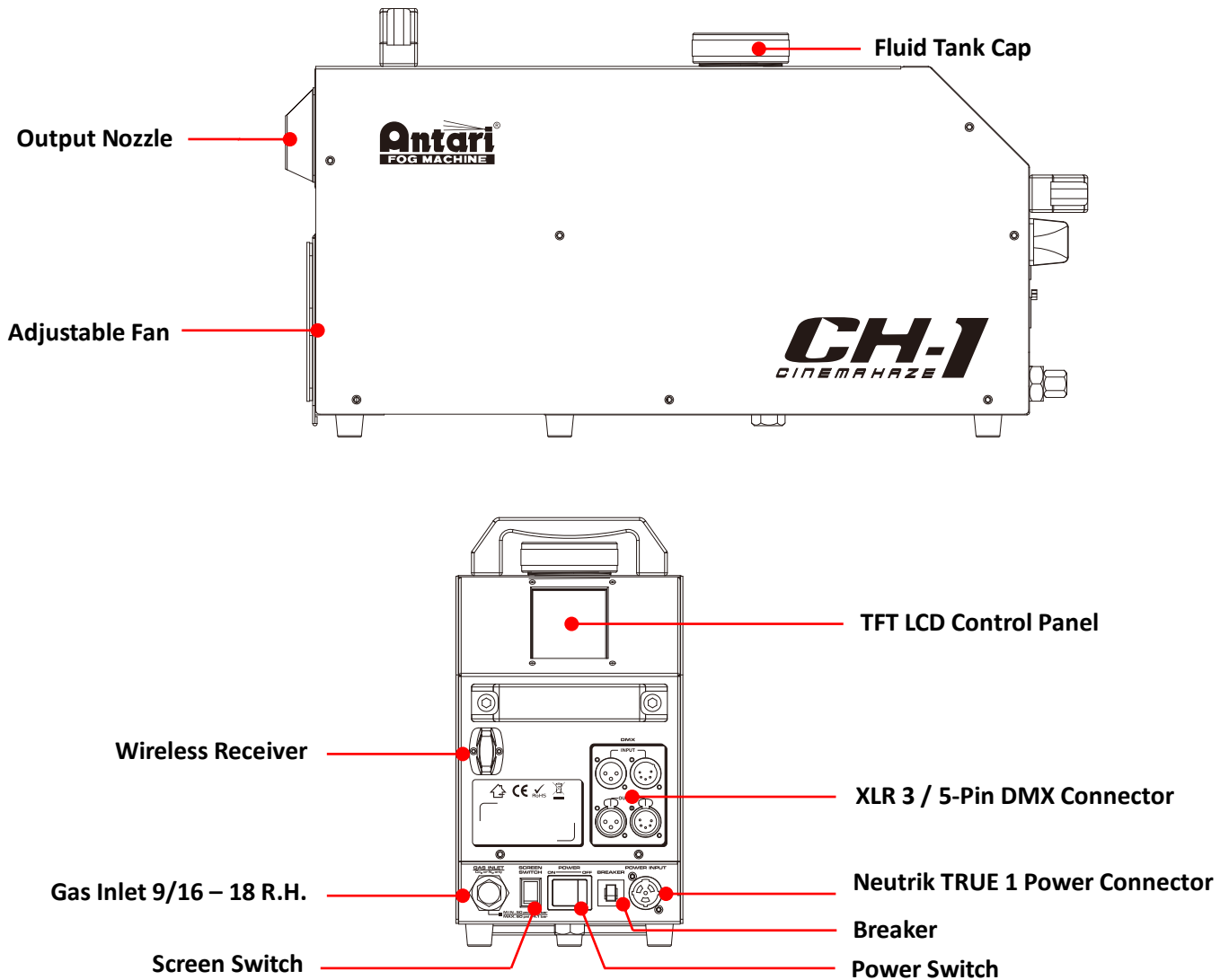
mental capabilities, or lack of experience and knowledge.

- Children being supervised not to play with the appliance.
- If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.

## Product Dimension



## Product Overview



## Setting Up

**Step 1:** Place the machine on a flat surface and in a suitably large area with at least 50 cm open space around the machine.


**Step 2:** Connect machine to mains power (AC100-240VAC, 50/60Hz)

**Step 3:** Connect gas inlet to gas cylinder equip with pressure regulator. (Gas inlet 9/16 – 18 R.H.)

**Step 4:** Set pressure regulator between 50 to 60 psi, then open gas cylinder


**Step 5:** Fill the fluid tank with Antari approved fluid.

**Step 6:** Press “  **HEATER**” menu, then press “  **START**” to start heating. Machine will take approximately 8 mins to heat up.

 Always connect the machine to a protected circuit and ensure it is properly grounded to avoid risk of electrocution.

**Step 7:** To start making haze press “  **MANUAL**” menu, then press “  **START**” .

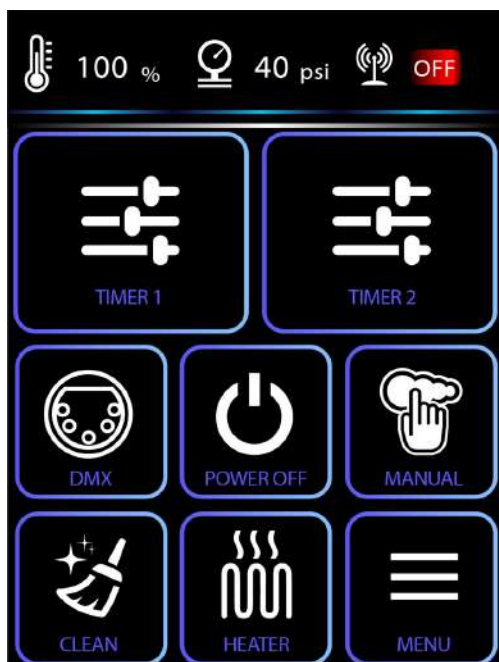
Press “  **STOP**” to stop haze. Press “  **SETTING**” menu to adjust haze and fan output level.









**Step 8:** To turn off machine press “  **POWER OFF**” menu, and follow direction shown on display. Shut off gas cylinder, at the same time machine will start release the pressure. Make sure pressure is completely released by checking the regulator. Disconnect power and gas connection to finish shutting down process.

## Operation

### Control Panel Operation

The machine can be operated with the TFT LCD control panel located on the rear.

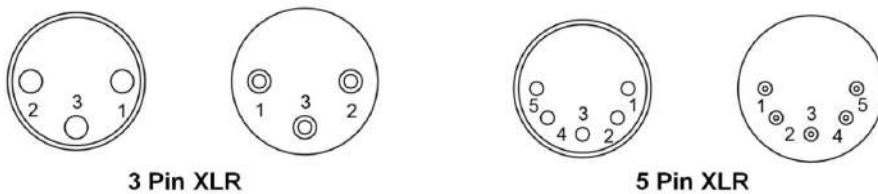


Main Menu	Level 1	Level 2	Level 3
<b>TIMER 1</b> 	Interval	0 – 200 mins	
	Duration	0 – 200 mins	
	Output Level	5 – 40 psi	
	Fan	0 – 100%	
<b>TIMER 2</b> 	Interval	0 – 200 mins	
	Duration	0 – 200 mins	
	Output Level	5 – 40 psi	
	Fan	0 – 100%	
<b>DMX</b> 	Address	1 – 512	
	Channel Mode	1 / 3 / 5 Channels	
	Link Mode	Wireless / Wired	
	Wireless	Unlink	
<b>POWER OFF</b> 			
<b>MANUAL</b> 	Output Level	5 – 40 psi	
	Fan	0 – 100%	
<b>CLEAN</b> 			
<b>HEATER</b> 			
<b>MENU</b> 	DMX Setup	Address	1 – 512
		Channel Mode	1 / 3 / 5 Channels
		Link Mode	Wireless / Wired
		Wireless	Unlink
	Information	Software Version	
		Wireless Signal	
		Temperature	
		Pressure	
		Device Hour	

Setting	LCD Backlight	High / Normal / Low / Auto
	Auto Start	On / Off
	Factory Reset	
	Language	English /中文
	Software Update	Proceed
	Keypad Sound	On / Off
	Fan Level	On / Off

### DMX Connector Pin Assignment

The machine provides a 3 or 5 pin XLR connector for DMX connection. The diagram below indicates pin assignment information.



Pin	Function
1	Ground
2	Data-
3	Data+
4	N/A
5	N/A

### DMX Operation

*Making the DMX Connection* – Connect the machine to a DMX controller or to one of the machines in the DMX chain. The machine uses both 3-pin and 5-pin XLR connector for DMX connection, the connector is located on the rear of the machine.



### **DMX Channel Function**

<b>1 Channel Mode</b>	<b>DMX Value Range</b>	<b>Function</b>
Output Level	0 – 4	Off
	5 – 255	1 – 100%
<b>3 Channel Mode</b>	<b>DMX Value Range</b>	<b>Function</b>
Output Level	0 – 4	Off
	5-255	1 – 100%
Fan Level	0 – 4	Off
	5 – 255	1 – 100%
Heater	0 – 127	Off
	128 – 255	On
<b>5 Channel Mode</b>	<b>DMX Value Range</b>	<b>Function</b>
Output Level	0 – 4	Off
	5-255	1 – 100%
Fan Level	0 – 4	Off
	5 – 255	1 – 100%
Heater	0 – 127	Off
	128 – 255	On
Operation Mode	0 – 127	DMX
	128 – 192	Timer 1
	193 – 255	Timer 2
Cleaning	0 – 127	Off
	128 – 255	On

### **RDM Control**

The CH-1 CINEHAZE is RDM enabled, allowing control system to configure, monitor and manage. See below table for supported RDM parameters

<b>Value</b>	<b>RDM Parameter ID's</b>	<b>GET Allowed</b>	<b>SET Allowed</b>
0x0001	DISC_UNIQUE_BRANCH		
0x0002	DISC_MUTE		
0x0003	DISC_UN_MUTE		
0x0030	STATUS_MESSAGE	0	



0x0050	SUPPORTED_PARAMETERS	0	
0x0051	PARAMETER_DESCRIPTION	0	
0x0060	DEVICE_INFO	0	
0x0070	PRODUCT_DETAIL_ID_LIST	0	
0x0080	DEVICE_MODEL_DESCRIPTION	0	
0x0081	MANUFACTURER_LABEL	0	
0x0082	DEVICE_LABEL	0	0
0x00A0	LANGUAGE_CAPABILITIES	0	
0x00B0	LANGUAGE	0	0
0x00C0	SOFTWARE_VERSION_LABEL	0	
0x00E0	DMX_PERSONALITY	0	0
0x00E1	DMX_PERSONALITY_DESCRIPTION	0	
0x00F0	DMX_START_ADDRESS	0	0
0x0200	SENSOR_DEFINITION	0	
0x0201	SENSOR_VALUE	0	
0x0400	DEVICE_HOURS	0	
0x1000	IDENTIFY_DEVICE	0	0

## Fluid



Use Antari CHL oil-based fluid for the best effect on CH-1 CINEMAHAZE. The machine is tested and calibrated with this liquid to get the best output performance. Warranty will be void if any other type of liquid is used, improper use of liquid may lead to machine failure and malfunction.

## Service and Maintenance

- Do not allow the machine to become contaminated.
- Remove dust from air vents with air compressor, vacuum or a soft brush.
- Only use a damp cloth to clean the casing.
- It is recommended to run the machine on a monthly basis in order to achieve best performance and output condition.
- Excessive dust, liquid and dirt built up will degrade performance and cause overheating.

## Breaker Reset



**Disconnect AC power before reset breaker. Only replace fuse with same type and rating.**

*Step 1:* Disconnect AC power

*Step 2:* Flip breaker to ON position

*Step 3:* Turn on machine to test

### Breaker

120V = 8A 250V

240V = 8A 250V



## Error Message

### Pressure Error



When fluid reservoir can not reach proper pressure to work, pressure error will be displayed and stop machine from working. It may be caused by one of following:

- Fluid reservoir cap is loosened
- Leak in high pressure pipeline
- Gas cylinder not open properly
- Gas cylinder running empty
- Pressure regulator not set to range between 50 – 60psi (3.4 – 4.1 bar)
- Pressure sensor failure or damaged

### Temperature Error



When heater can not heat up properly or overheating, temperature error message will be displayed. It may be caused by one of following:

- Heater element failure or damaged
- Main control PCB failure or damaged

Please contact Antari dealer for advice if problem persists.

## Technical Specifications

- Input voltage	AC 100-240V, 50/60HZ 6A
- Rated power	120V 700W 240V 1250W
- Warm-up time	8 minutes (approx)
- Fluid consumption	2 ml/min @ 40psi / 2.76 bar
- Fluid tank capacity	2.5 Liters (0.66 gallon)
- Compatible fluid	Antari CHL-2 Haze Fluid
- Gas type	CO2, N2
- Gas pressure range	50 – 60psi / 3.4 bar – 4.1bar
- Gas consumption	0.36 Kg / hr @ 40psi 0.18 Kg / hr @ 20psi
- Control interface	TFT LCD Touch Screen
- Ambient temp. range	0°C – 40°C (32°F – 104°F)
- Control	Manual, Timer, DMX Wireless DMX (Optional)
- DMX channels	1 / 3 / 5 Channels
- Connection	Neutirk TRUE 1 Connector (Power) XLR 3-pin and 5-pin (DMX) 9/16 -18 R.H (Gas inlet)
- Optional accessories	W-DMX-PCBR FCH-1 Flight Case
- Dimension	L 579 W 164 H 311 mm (L 22.79 W 6.46 H 12.25 inch)
- Weight	17 kg (37.48 lbs)



# CH-1

CINEMAHAZE



C08CH1001