MOKA SFX

X20 NOVA JET

—USER MANUAL—



VERSION3.0

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1. DISCLAIMER

Before installing and/or using this product, please read this manual carefully.Failure to read the manual and follow the printed instructions may result in personal injury and/or product damage.

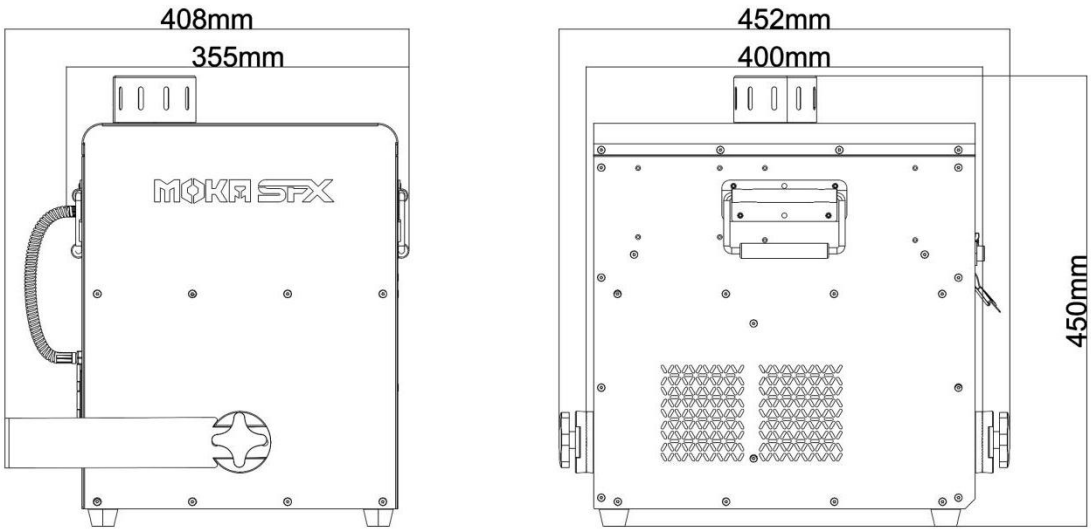
2. PRODUCT PARAMETER

Voltage	100-120V 60HZ/220-240V 50HZ
Power	2000W（110V)/3000W(220V)
Smoke height	12-15m
Equipment size	45.2*40.8*45cm（with handle）
Packaging size of flight case	54.5*50*52cm（without wheels）
Packaging size of flight case	54.5*50*62cm（with wheels）
Net weight	30KG
Gross weight	47.5KG
Control method	Remote control, Menu control, DMX control (3-coreand 5-core)
Maximum output time	About 8s
Fuel tank capacity	3L
Preheating time	8min
Secondary heating time	About 50s
Full consumption	2.2min/1L
Consumables	Special smoke oil for air columns
Smoke output	132000cuft/min
Lamp bead color	RGBA(red, green, blue, amber)

3.PRODUCT FEATURES

- Adopts a high-efficiency dual-nozzle design, enabling high-speed jet effects without the need for CO_2. Quick response and strong explosive power.
- Produces air column effects up to 12 meters high, delivering a powerful visual impact. Smoke dissipates quickly for clean and controlled operation.
- Compact body structure with 24 built-in high-brightness LED lights enhances visual depth and atmosphere.
- Equipped with a programmed oil-free protection mechanism to effectively extend the service life of the device.
- Supports top hanging installation, suitable for various venue conditions.
- Features an independent oil tank design for easy removal and refilling.
- Provides a half-power operation mode to meet long-duration, low-intensity application requirements.
- Designed with a rainproof structure for high reliability and wide applicability.

4.EQUIPMENT SIZE



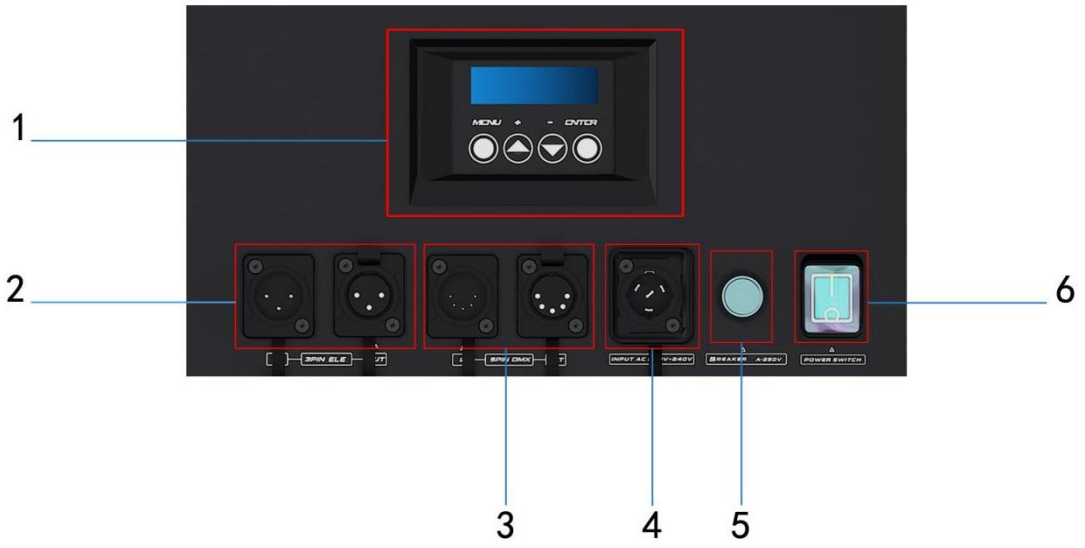
5.FLIGHT CASE AND FUSELAGE



1. 24PCS 9W LEDs
2. Spray Nozzle
3. Fixed bracket.
4. Oil Outlet Pipe
5. Oil Inlet Pipe
6. Cooling Vent
7. Oil Tank

6.CONTROL PANELS AND OPERATING PANELS

6.1 Control Panel



1. Control panel
2. 3-pin DMX socket
3. 5-pin DMX socket
4. Power socket
5. Overload protector
6. Machine switch

6.2CONTROL PANEL



6.3 BUTTON FUNCTIONS

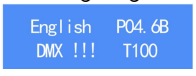
MENU	Switch interface setting parameters.
+	Parameter increase In the main interface, this serves as the switch for the timer and quantitative mode.
-	Parameter decrease In the main interface, this serves as the swtich for long spray
ENTER	Confirm and save parameters.

6.4MAIN PAGE



Address	Indicates the address code setting of the machine
P:03.2B	Indicates the current pressure value of the machine
DMX !!!!	Indicates that the machine's DMX is not connected. (When connected, it shows "DMX=OK").
T100	Indicates the current temperature of the machine.

6.5MENU SETTING

MENU	Range/Options	Explanation
Address 	001-512	DMX address setting
Channl mode 	9CH/3CH	Channel mode setting.
Language 	中文/English	Chinese and English language setting.
Work 	001-255	Setting of working time for timing and quantification.
Stop 	001-255	Setting of interval time for timing and quantification.

Version No. 	/	Version iteration number
Pairing 	OFF/ON	OFF：Remote function off (Cannot be controlled by any remote) ON：Remote function on.In this interface, press any button on the remote to pairing with a single machine. Once pairing is successful, the display will show “OK”. Press the “ENTER” button to save the pairing for that machine. (To control multiple machines as a group using the same remote pair the remote with each machine in the group one by one.)
Color 1 	R G B A R+G R+B G+B R+G+B	Remote Button 1: Color Setting Timer & Quantitative Mode：Color setting Manual Mode:Color setting
Color 2 	R G B A R+G R+B G+B R+G+B	Remote Button 2: Color Setting
Color 3 	R G B A R+G R+B G+B R+G+B	Remote Button 3: Color Setting
Color 4 	R G B A R+G R+B G+B R+G+B	Remote Button 4: Color Setting
Power 	Half power/Full power	Power setting

Note: Press“ ENTER” to confirm and save after completing the settings.

7.DMX SETTING

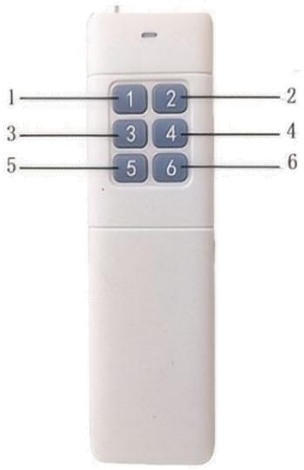
3 Channel mode	
CH1	Safety Channel (Open 100-155; Closed 0-99 and 156-255). Fan starts at 50% after heating is complete
CH2	Smoke Spray Channel: Fan starts at 100%.
CH3	Half Power Mode.

9 Channel mode	
CH1	Safety channel : (100 - 155: safety channel open; 0 - 99 and 156 - 255: closed). After heating is completed, the fan starts at 50%.
CH2	Smoke spraying channel. The fan starts at 100%
CH3	Half power mode.
CH4	Red Color: The larger the value of the R channel, the brighter the luminance
CH5	Green Color: The larger the value of the G channel, the brighter the luminance.
CH6	Blue Color: The larger the value of the B channel, the brighter the luminance.
CH7	Amber Color: The larger the value of the A channel, the brighter the luminance
CH8	Strobe Effect: The larger the value of the channel, the faster the speed.
CH9	Auto Color: The larger the value of the channel,the faster the change speed.

8.REMOTE SETTING

8.1Remote function

The remote function can be turned on or off by Menu



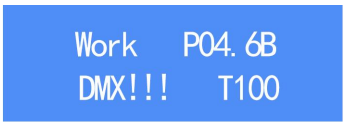
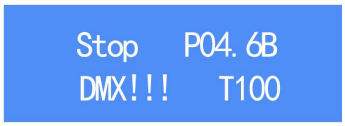
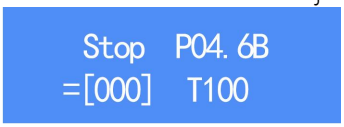
1	Spray smoke and light up red light
2	Spray smoke and light up green light.
3	Spray smoke and light up blue light.
4	Spray smoke and light up Amber light.
5	Spray smoke and lights run automatically.
6	Spray Smoke Only

8.2 Remote Color Setup

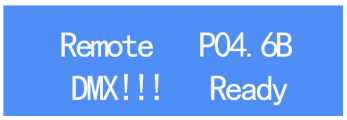
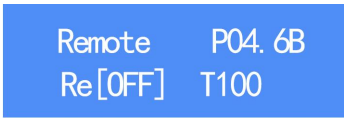
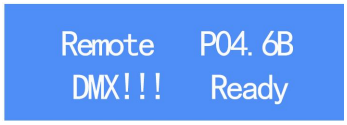
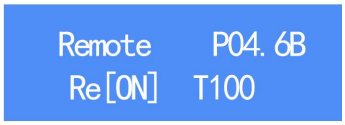
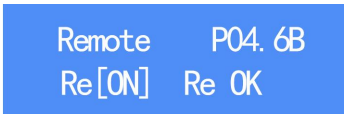
	Operating Steps	Operation Diagram
Color1*Color2*Color3*Color4	1. Press the MENU button to enter to the Timer Color 1 2 3 4 menu page; 2. Press ENTER to enter the Color 1 2 3 4 setting page; 3. Use the + / - buttons to select the desired color, then press ENTER to save the setting	1.Color 1 Menu Page Color 1 P04.6B DMX!!! T100 2.2. Color 1 Setting Page Use the + / - buttons to select the color Color 1 P04.6B = [GED] T100 3.Press ENTER to save the setting

9.Timer & Quantitative Settings

Use the MENU button to set the working time and interval time of the X2O NOVA JET according to your needs.

		Operation Steps	Operation Diagram
Timer	Working Time	1. MENU button to enter to the Timer menu page; 2. Press ENTER to enter the Timer setting page.Use the + / - buttons to adjust the time 3. then press ENTER to save the setting	1. Timer Menu Page  2. Stop Setting Page – Use the + / - buttons to adjust the time  3. Press ENTER to save the setting
Stop	Interval Time	1. Press the MENU button to enter to the Stop menu page; 2. Press ENTER to enter the Stop setting page.Use the + / - buttons to adjust the time. 3. Then press ENTER to confirm and save.	1. Stop Menu Page  2. Stop Setting Page – Use the + / - buttons to adjust the  3. Press ENTER to save the setting

10.REMOTE CONTROL PAIRING SETTING

		Operation Steps	Operation Diagram
Pairing	OFF：Remote function off	Press the MENU button to enter to the pairing menu. Press ENTER to enter the pairing settings page. Use the + or − buttons to adjust the pairing. When OFF is displayed, press ENTER to save. (It means that the equipment cannot be controlled by any remote)	1.Pairing Menu Page  2.Pairing Settings Page  3.Press ENTER to save the setting
	ON：Remote function on and each remote matches a machine the machine	Press the MENU button to enter to the pairing page. Press ENTER to enter the pairing settings, and use the + or − buttons to adjust the pairing When it was on, press any button on the remote to pairing with a single machine. Once pairing is successful, the display will show “OK”. Press the “ENTER” button to save the pairing for that machine. (To control multiple machines as a group using the same remote pair the remote with each machine in the group one by one.) Press MENU to return to the menu page.	1.Pairing Menu Page  2.Adjust pairing with the + or − buttons  3.When ON is displayed, the remote control function is enabled. Press any button on the remote to pair with the machine. 'OK' will be displayed when pairing is successful  4.Press ENTER to save the setting

11.OIL-FREE AND OVERPRESSURE PROTECTION

Oil-free protection	If the machine detects insufficient pressure within 30 seconds, it will activate oil-free protection. This protection can be released by adding oil and then shutting down and restarting the machine.
Over Pressure Protection	When the machine detects a pressure exceeding 17 MPa, it will activate over pressure protection. This protection can be released by shutting down and restarting the machine.

Note:If the issue cannot be resolved, please contact the supplier!

12.LOGO LIGHT SETTING

When the DMX signal is connected and the safety channel is opened, the logo indicator light will flash. When the machine is in operating ,the light will remain on.

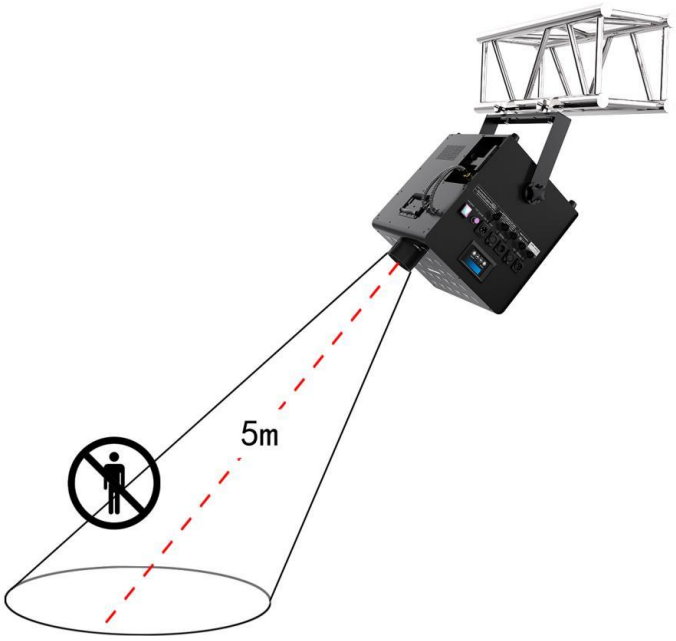
13.PRODUCT PHOTOS



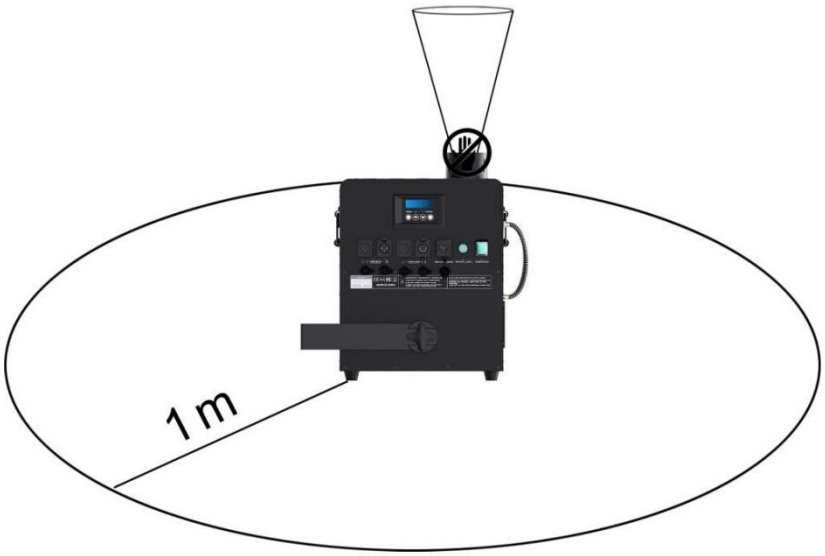
14.OPERATION INSTRUCTIONS

14.1PRECAUTIONS

1.The hanging angle can be customized. When the machine is working in a hanging state, people must not directly touch the ejected substances.

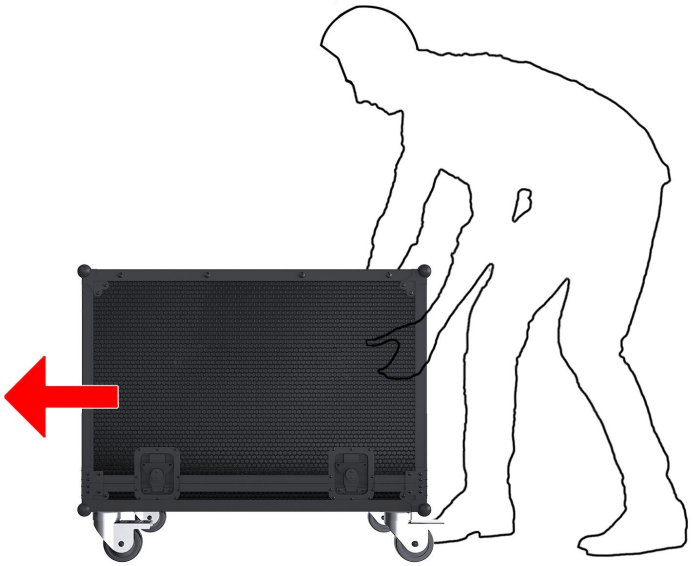


2.When the equipment is working, people must not directly touch the nozzle as it is easy to cause burns. Also, do not stand too close.

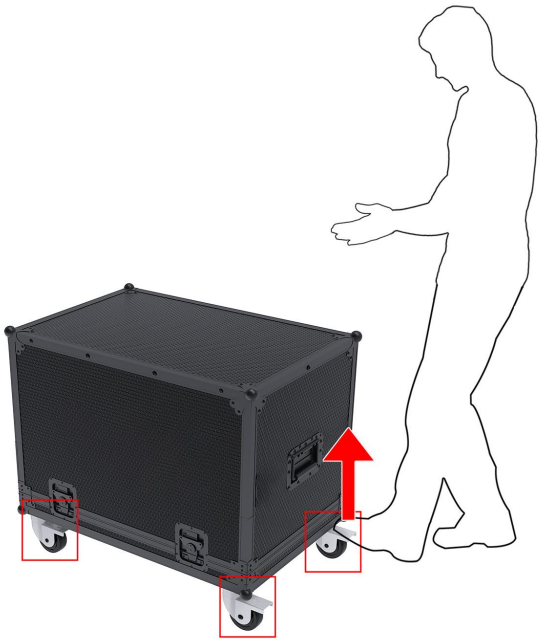


14.2MOVEMENT AND INSTALLATION

1.Place the equipment at the final position and set the brake.



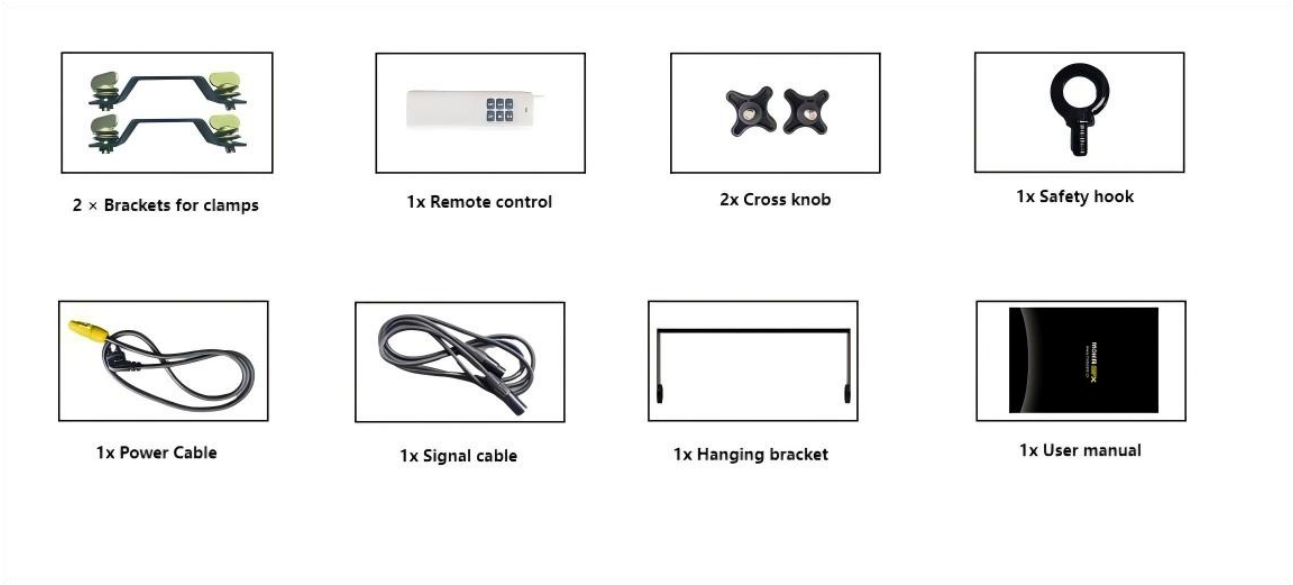
2.Place the equipment at the final position and set the brake.



3.Rotate the hinge switch of the fight case, open the lid and take out the equipment.



4.Check the accessories list.

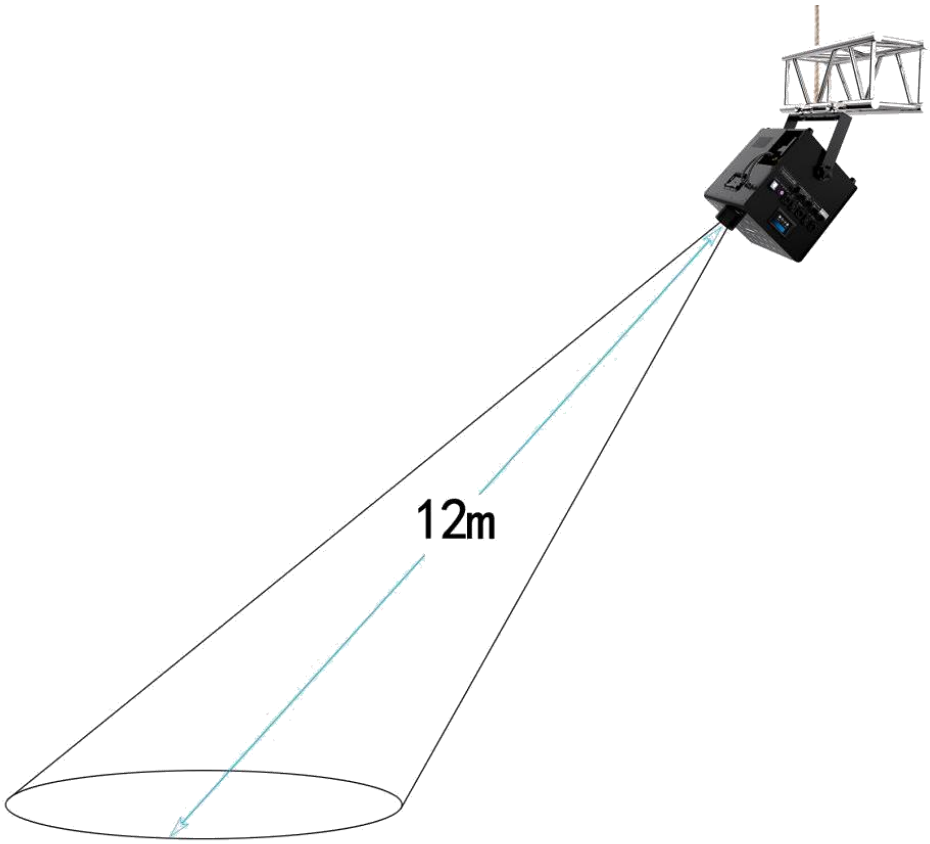


5.Bracket Installation:

Place the bracket in the hole, align the cross knob with the hole, and then tighten the knob.

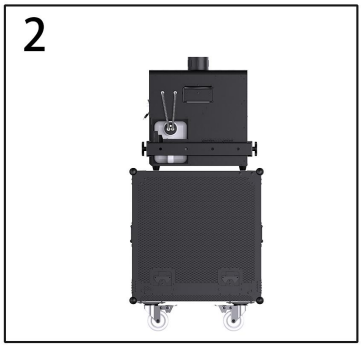


6.Hanging Installation Method (Note: Before hanging, secure the machine with a rope to the safety ring to prevent accidents)



7.Placement (Direct Spray)





8. Placement (Angled Spray)





8. Precautions for Placement (Note: The ground must be level and free of standing water)







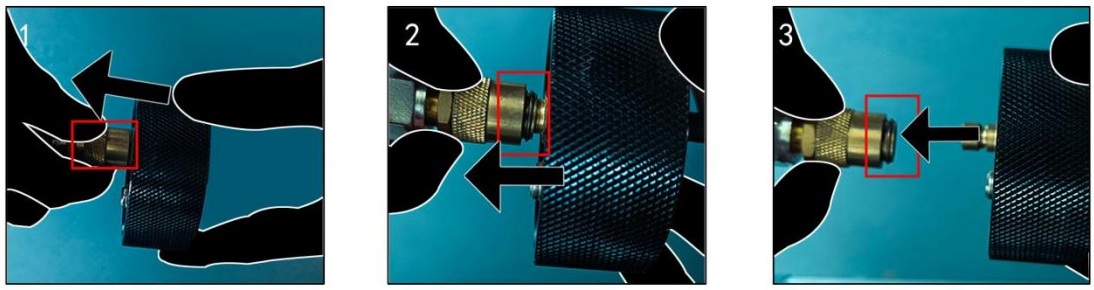


14.3ADD CONSUMABLES

1.Pull out and move aside the oil tube, then open the indexing pin.



2.Remove the Oil Tube Quick Connector: First, push the head of the quick connector backward, then pull the connector out firmly.



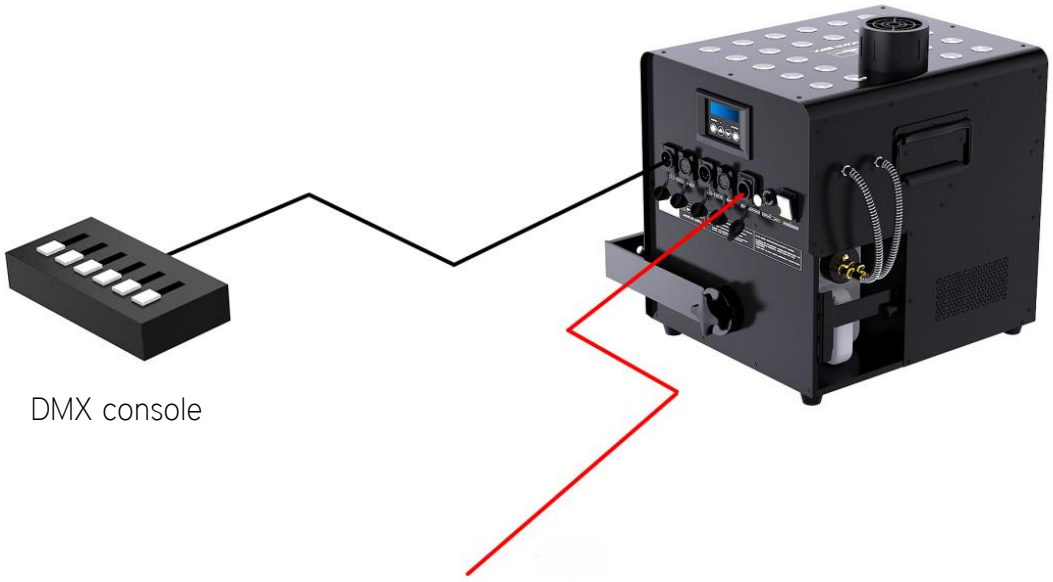
3.Remove the oil tank



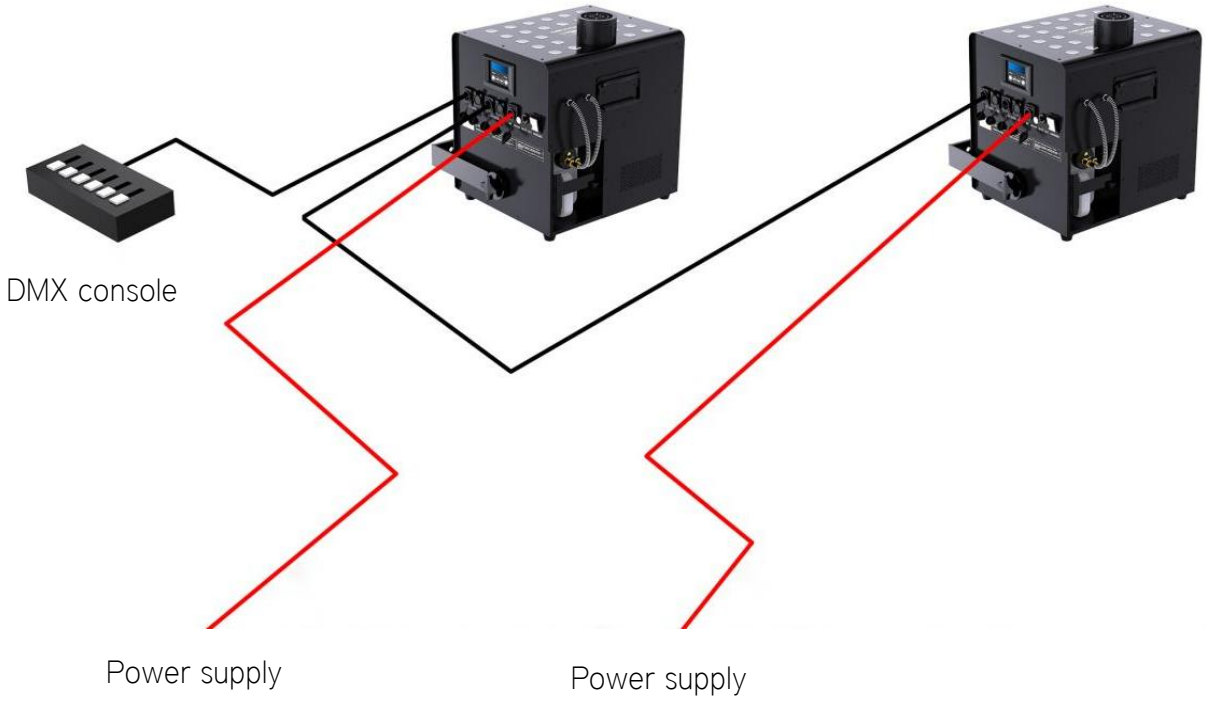
14.4EQUIPMENT CONNECTION

1.Equipment power connection (110v or 220v), equipment console connection method.

(Voltage Range:For 110V machines: 100-120V;For 220V machines: 220-240V)

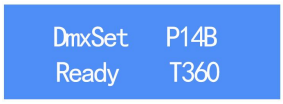


2.Signal cable connection for chasing effects



14.5EQUIPMENT STARTUP

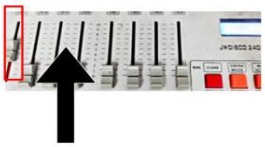
1.After the equipment is connected to the power supply and the console, turn on the switch to power on the equipment.
(Note: For the first use, after turning on the switch, wait for 8~10 minutes for the equipment to heat up. When the machine displays “Ready,” heating is complete and subsequent operations can be performed.. This demonstration is in 9-channel mode.)

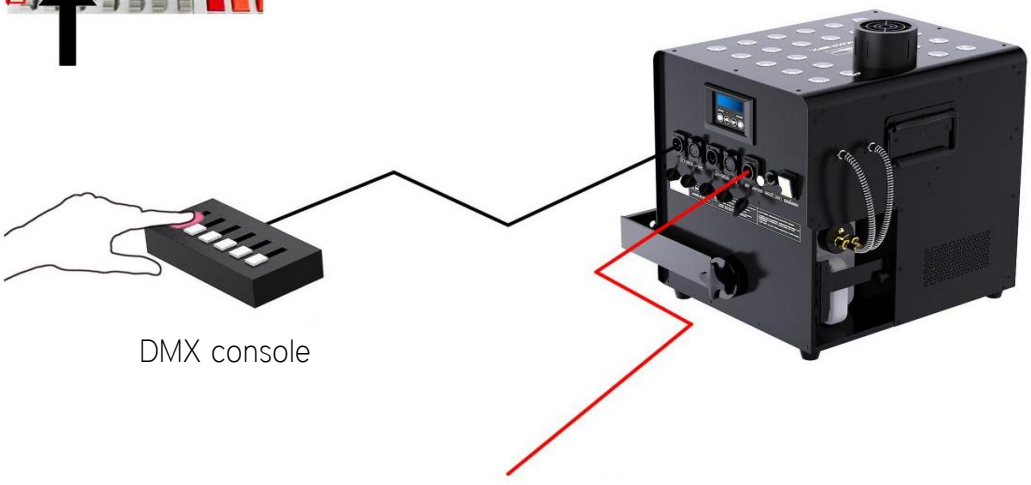




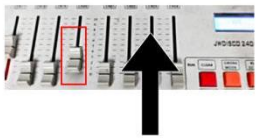


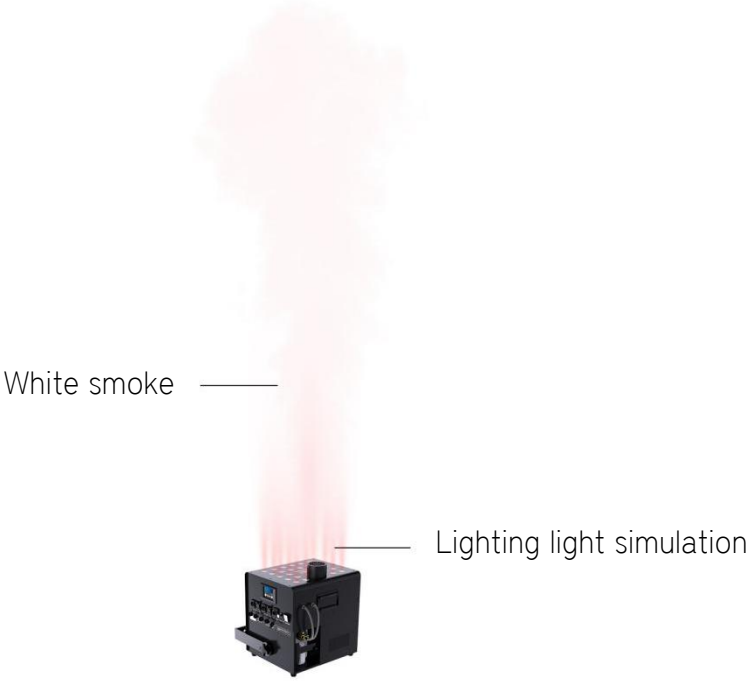
2.Open safety channel CH1 (100-155 safety channel is opened. 0-99 and 156- 255 are closed. After heating is completed, the fan starts at 50%).



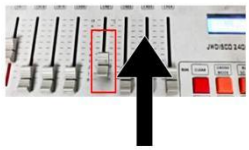


3.Lighting Effect Selection (CH4 Red Color: in CH4, the larger the value of the channel, the brighter the brightness. See DMX settings table for more effects. 9-channel mode.)



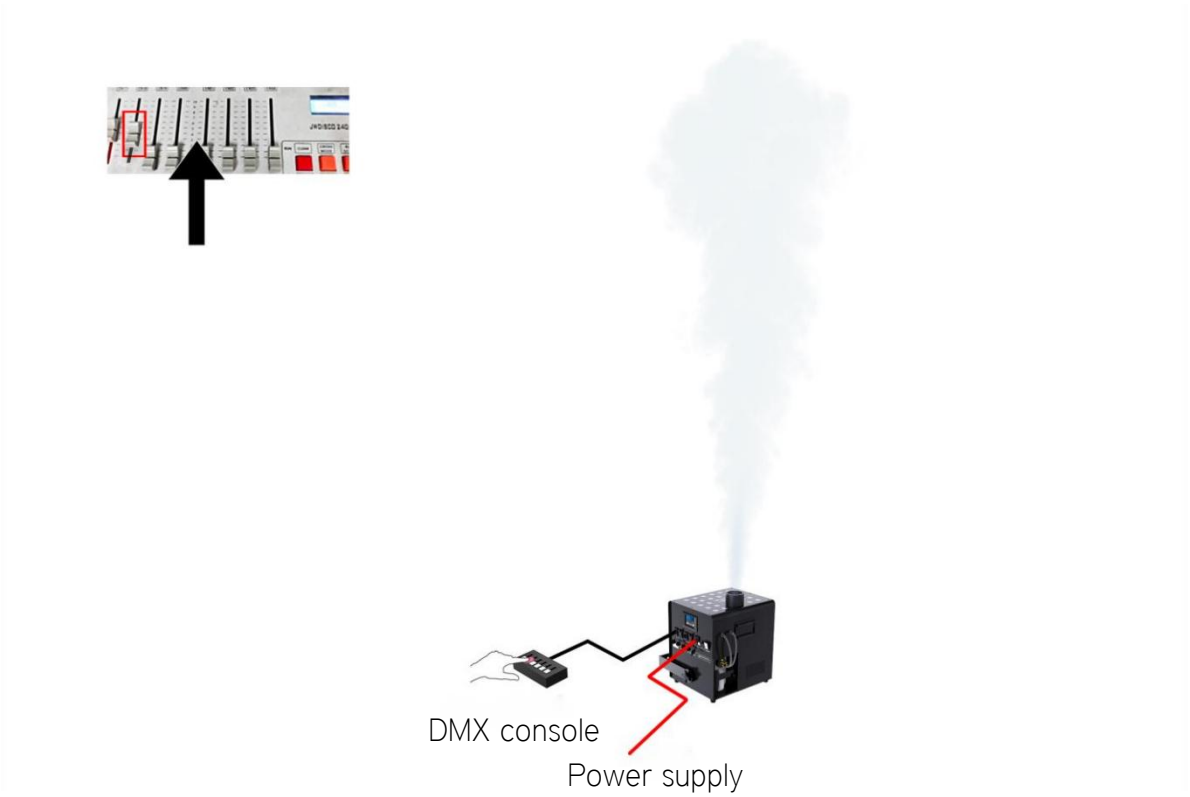


4.Lighting Effect Selection (CH5 Green Color: in CH5, the larger the value of the channel, the brighter the brightness. See DMX settings table for more effects. 9-channel mode.)

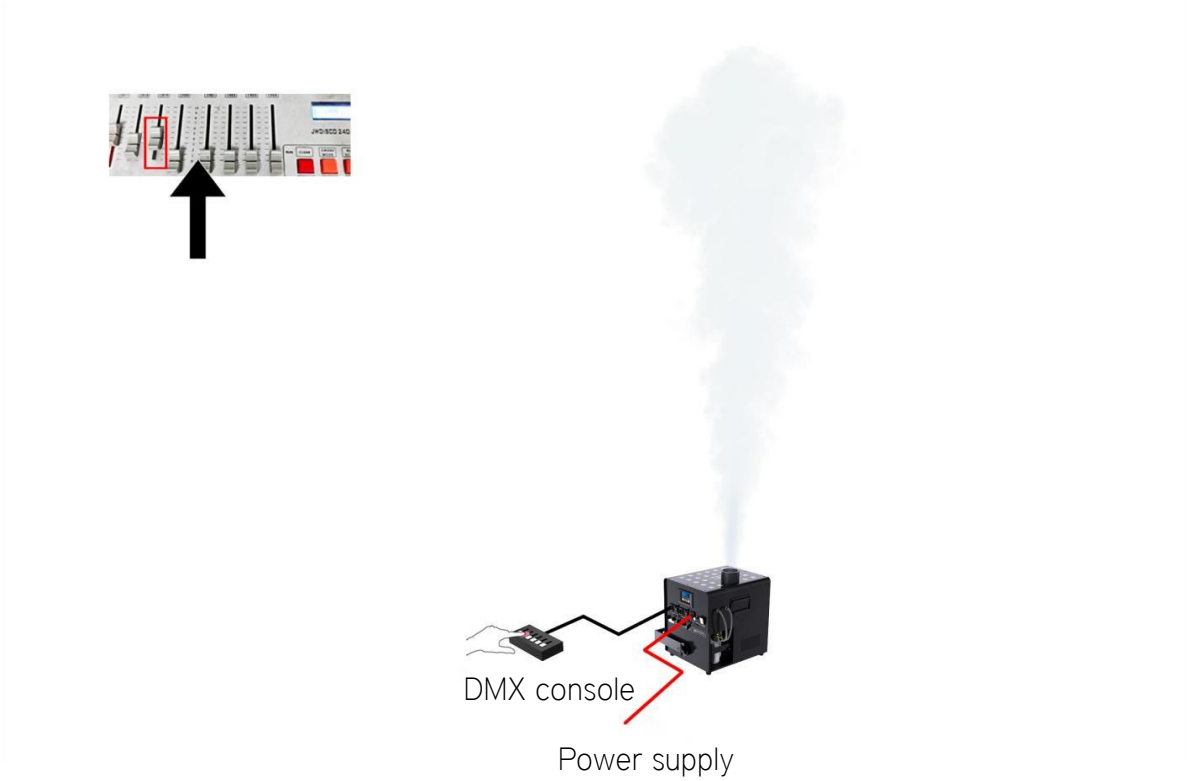




5.Turn on Ch2. The equipment starts to emit smoke.



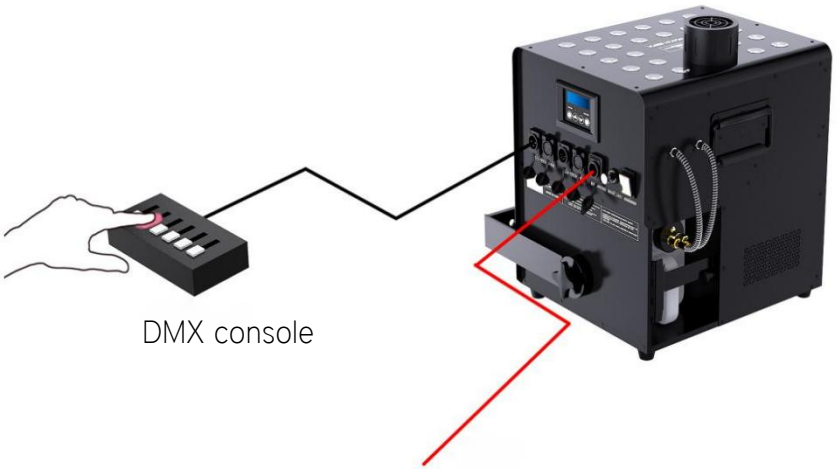
6.Turn on Ch3. The machine will run in half-power mode.If not needed, do not turn on.



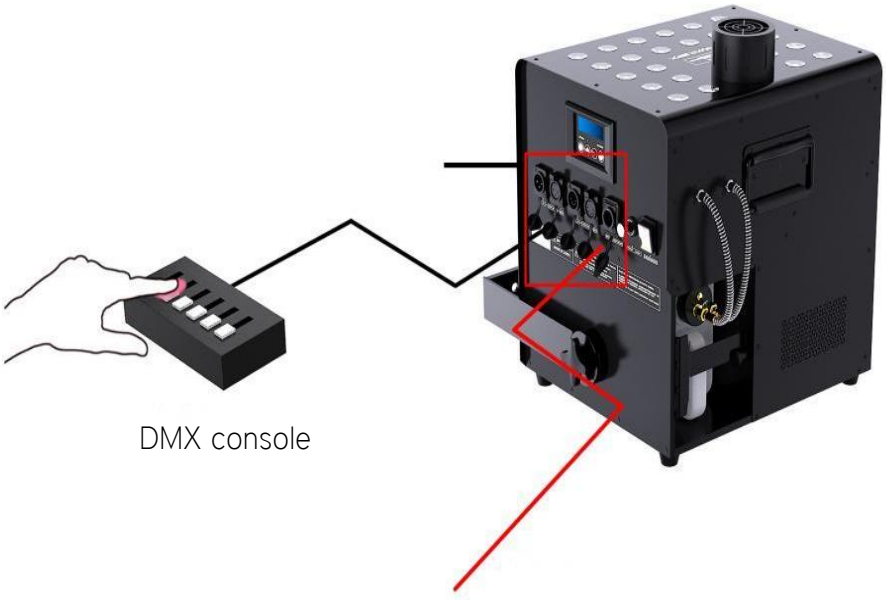
14.6 SHUT DOWN THE DEVICE

1.Manually shut down all DMX channels, it stops smoke output,led lighting, and fan.





2.Disconnect the power and DMX controller.

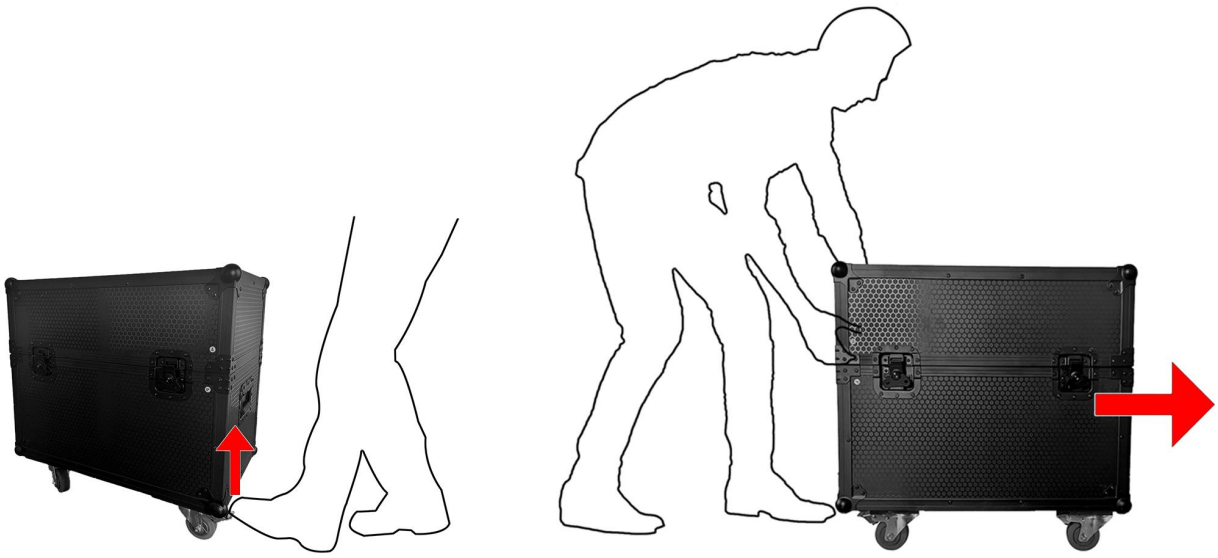


14.7EQUIPMENT LOADING AND UNLOADING

1.Put the equipment and accessories in the flight case and lock the safety lock.



2.Release the brake of the brake and place the equipment

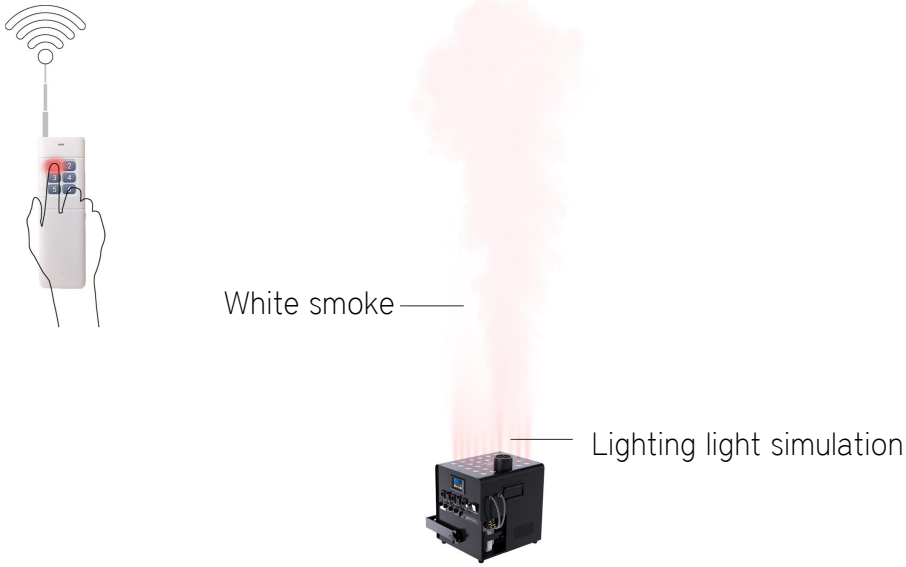


15.REMOTE CONTROL FUNCTION DESCRIPTION

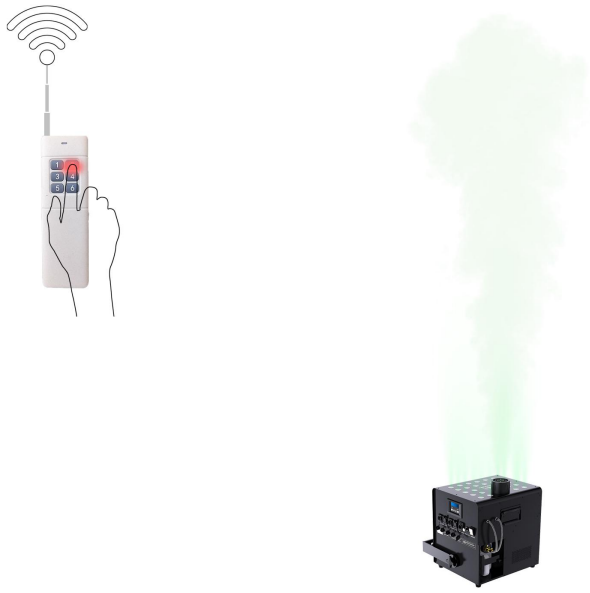
1.Remote Control Usage(The remote control function can be turned on or off in the menu)



2.Press key 1 to emit smoke and turn on the red light. (Note: Press and hold for continuous emission. Release the key to stop emitting smoke.)



3..Press key 2 to emit smoke and turn on the green light.



4.Press key 3 to emit smoke and turn on the blue light.





5.Press key 4 to emit smoke and turn on the amber light.





6.Press key 5 to emit smoke and the lights will run automatically (multiple colors change automatically).





7.Press key 6 to emit smoke (without lights)





16.OIL-FREE PROTECTION AND OVERVOLTAGE

1.Oil-free protection (If the machine detects insufficient pressure, it will activate oil-free protection. After adding oil, turn off the machine and restart it to remove. For the first restart, the equipment)





2.Over voltage protection (When the machine detects that the pressure exceeds 17 MPa, it will activate over voltage protection. Turning off the machine and restarting it can remove).





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