

Product:CO2 JET MACHINE

# USER MANUAL



VERSION 2.0

## DISCLAIMER

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### WARNING

Read this manual carefully before installing and/or using this product. Failure to read the manual and to follow the printed instructions may lead to personal injury and/or damage to the product.

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## 1.FORWARD

Congratulations! Thanks for purchase from us.

This manual contains all information required for the intended use of the equipment. Deviation from the described intended use can result in a hazardous situation and/or property damage.

This manual includes notes and warnings on safe operation of the equipment.

## 2.LIABILITY

Accepts no liability for claims from third parties arising from unauthorised use, use other than that stated in this manual, and use other than in accordance with the General Conditions registered at the Chamber of Commerce.

Refer further to the General Conditions. These are available on request, free of charge.

Although considerable care has been taken to ensure a correct and suitably comprehensive description of all relevant components, the manual may nonetheless contain errors and inaccuracies.

Should you detect any errors or inaccuracies in the manual, we would be grateful if you would inform us. This helps us to further improve our documentation.

## 3.INTRODUCTION

### 3.1 DESCRIPTION AND APPLICATION OF THE CO2 JET

The CO2 Jet is intended to electronically blow white smoke plumes of CO2 from a distance. As soon as the CO2 leaves the cylinder through the CO2 Jet's secured high-pressure hoses, it converts into gas. This formation of gas is accompanied by a strong hissing sound and a solid white plume of smoke will be visible. The length of this plume is on average 8 metres. This depends on the air humidity: in case of a high degree of air humidity, the smoke plume will be larger and in case of a low degree of air humidity it will be smaller.

### 3.2 NECESSARY ACCESSORIES

The following parts belong to the CO2 Jet



**Use Manual**



**Hose**



**CO2 Bottle**

## 4.Product parameters:

Product Name	12 LED CO2 JET
Power	30W
Control	DMX 512/Electric Control
Spray Height	8-10 meters
Voltage	AC 110V/220V 50/60Hz
Weight	14.5 Lbs (pounds) (6.6Kg)
Carton Dimensions	31cm x 28cm x 25cm
Product Size	27.5cmx12.5cmx23cm
Package Size	31cmx28cmx25cm
Shipping Weight	6.5kg
Net Weight/Gross Weight	4.5kg/7kg

## 5.SAFELY

The CO2 Jet has been designed and constructed in such a manner that it can be used safely. This applies to the use, the circumstances and the regulations as described in this documentation. Reading this documentation and following the instructions are therefore necessary for everyone who is authorised to work with the CO2 Jet. The CO2 Jet must be placed and used in surroundings that preferably:

- Have a relative humidity degree of no more than 75%.
- Are reasonably free of dust, corrosive gases and high concentrations of organic vapours.
- Are not situated in the vicinity of a source of vibration.

## 6.GENERAL SAFETY RULES

- Only use the CO2 Jet if there are no people, animals or other objects

in the direction of the output within the output distance. The shooting direction is the direction in which the output pipe on the CO2 Jet is pointed. The output distance depends on the humidity in the air.

- Make sure that children, unauthorised people and animals do not obtain access to the CO2 Jet!
- Safety devices may not be removed or disabled.
- All required safety devices must be in good condition and function properly.
- Ensure sufficient lighting of the surroundings.
- Keep the workplace clean.
- Only authorised persons may carry out work with the CO2 Jet.

## **7.PREPARATIONS**

Unpack the CO2 Jet. Dispose of the packaging material without harming the environment. Inspect the machine for any damage. If damage is noticed this must be reported to us.

## **8.INSTALLS ILLUSTRATION**

- Place the CO2 Jet on a solid and even surface, Always make sure that there are no people within 3 metres of the CO2 Jet.
- In order to test it, you first need to check if the gas valve on the CO2 bottle is still in a closed position. Now you can check if the CO2 Jet has been installed properly by switching the electricity on and off. If the system has been connected properly you will hear a clicking sound which is produced by the opening and closing of the magnetic valve in the CO2 Jet.
- Connect the high pressure CO2 hoses to the CO2 bottles. Firmly secure the couplings by hand. Place the CO2 bottles (liquid CO2 with dip pipe) on an even and solid surface. Place the bottles in such a position that the valve opening does not point in the direction of persons or objects.
- Connect the hose to the CO2 Jet and let it click into place so it is firmly secure.

- When the system is properly connected you can open the valves of the CO2 bottles. Check for leaks.
- When the gas hoses are not properly connected gas can escape. If this is the case then turn the couplings tighter until gas is no longer escaping. The CO2 Jet is now ready for use.

## 9. OPERATION METHOD

- To operate the CO2 Jet you press the switch on and off. As soon as you press the switch the magnetic valve will immediately open and a white smoke plume will exit from the CO2 Jet. When you press the switch again to the off position the valve will immediately close.
- To operate the machine you can use the DMX controller.
- DMX has 6 channels , see as following:

Channel 1: CO2 spray(0-9)OFF, (10-255)ON.

Channel 2: Auto,(0-9)OFF, (10-255) LED color mixing.

Channel 3: LED in green,(0-9)OFF, (10-255) LED lights up gradually.

Channel 4: LED in blue,(0-9)OFF, (10-255) LED lights up gradually.

Channel 5: LED in red,(0-9)OFF, 10-255) LED lights up gradually .

Channel 6: LED strobe,(0-9)OFF, (10-255) getting faster.

## 10. SWITCHING OFF

- Close the valves of the gas bottles.
- Activate the CO2 Jet one more time to remove the remaining pressure from the hose.
- Disconnect the plug(s) of the CO2 Jet from the power supply
- Only when there is no more gas in the hose it can be disconnected from the gas bottle and the CO2 Jet.

**NOTICE**

CO2 Blasts cannot exceed 10 seconds in length for each blast; two blasts cannot occur within 5 seconds of each other, Power must be connected last as to ensure safety.

## 11. PRECAUTIONS FOR OPERATION

**WARNING**

Using a damaged or an improper installed machine can lead to death, serious injury or property damage. Always inspect the machine thoroughly before operation.

**WARNING**

The CO2 jet may only be installed by adults and authorised persons. The CO2 jet may only be operated if all parts are completely and correctly installed/connected.

**CAUTION**

The machine can be damaged, if you do not follow these procedures carefully.

## 12. MAINTENANCE

After using the machine, don't pack them soon. Please make sure the spray mouth and other parts of the machine are dried enough before packing. Also please regular clean the quick connector to make sure no any rust or impurity remaining (it will make machines leaking).

**DANGER**

Do not replace parts yourself; always consult us if necessary.

## 13.MALFUNCTION OBVIATES

No	Problem	Reason	Solve
1	Machine's power switch light off	Power con connector loose	Check the power con connector
	No self-testing	Power con connector loose	Power con connector loose
2	Machine's power on, self-testing OK, machine can't control No CO2 gas	No DMX response	Check the signal cable
		Haven't set the DMX code;or DMX code large than 512.	Set right DMX code ,such as 1,3,5...
3		Gas tank valve close	Open the gas tank valve
		Gas tank not lie down ,or top of the gas tank high than bottom	Lie down the gas tank ,also let the top of gas tank low than the bottom

## 14.CORRECT DISPOSAL



This symbol on the product and / or accompanying documents means that used electrical and electronic products (WEEE) should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product to designated collection points where it will be accepted free of charge

Alternatively, in some countries you may be able to return your products to your local retailer upon purchase of an equivalent new product.

Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling.



Please contact your local authority for further details of your nearest designated collection point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.

## **15.AFTER-SALE SERVICE**

The warranty time is one year since the date of purchase, you may get help and solve way through our technical support at any time, and we could offer free parts necessary to repair products. One of the following conditions not covered under warranty:

1-Because the consume ruse, maintenance, transportation, damage caused by improper storage;

2-Non designated personnel to repair the damage caused by the disassembly of products;

3-Because of damage caused by force majeure Abnormal voltage, such as fire, earthquake, tsunami, debris flow;

4-More than the warranty period.

\* if found quality problems please contact sales center or after sale service, do not disassemble, due to quality problems caused by self-disassembly or accident, the company will not bear any responsibility.