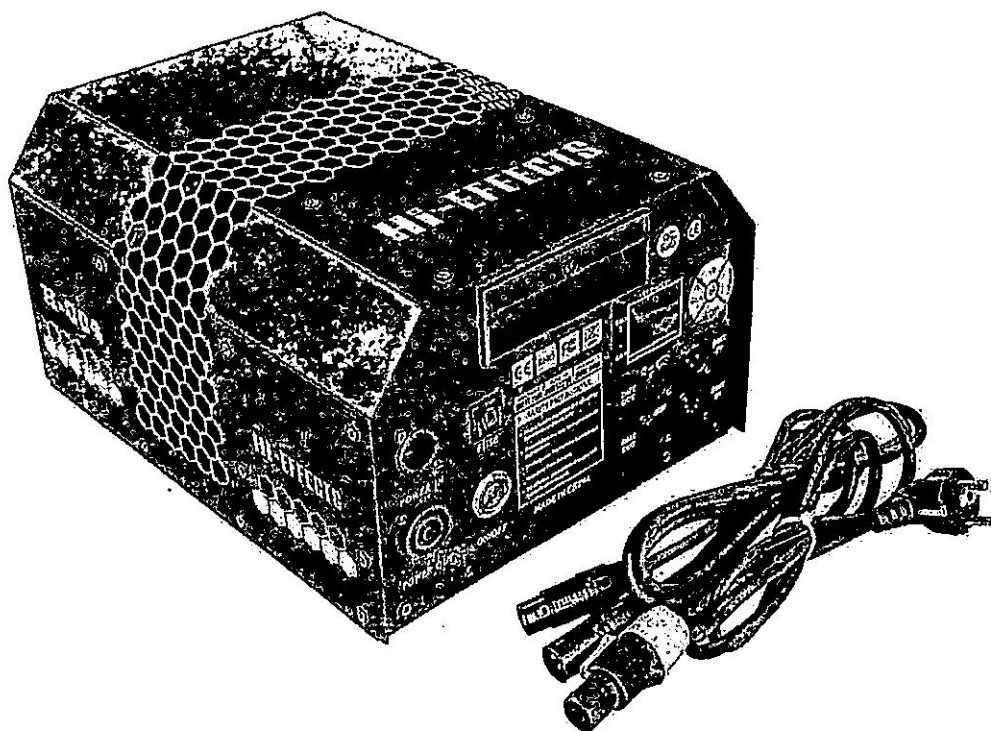


# MOVING HEAD CO2 JET

USER MANUAL



FC RoHS CE

# 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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## 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.

## LIABILITY

Accepts no liability for claims from third parties arising from un-authorized 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.

## TECHNICAL DATA

Product Name	Moving head co2 jet machine
Product Type	CO2 FX
Length (cm)	36
Width (cm)	25.3
Height (cm)	28.3
Net Weight (kg)	10.7 kg
Voltage Input (Vac)	AC110V/ 220V
Voltage Frequency	60 or 50 Hz
Control Mode	DMX 512
LED	30pcs 8W RGBW
DMX Channel	5 Channel
Power Consumption (Vac)	300W
Angle Adjustable	180 degree
Spray Height	8-10 m

## 1 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.

## 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.

## 2 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 back.

## 3 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.

## 4 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 8 channels , see as following:

- Channel 1: **moving head**
- Channel 2: **co2 spray on**
- Channel 3: **co2 spray on with moving head automatically**
- Channel 4: **spray at fixed angle**
- Channel 5: **control spray speed**

## 5 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.

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**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.

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## 6 PRECAUTIONS FOR OPERATION

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**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.

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**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.

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**CAUTION**

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

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## 7 MAINTENANCE

To achieve the maximum service life of the CO2 jet you must regularly clean the CO2 jet and test if it is working correctly. Should the CO2 jet not work for some reason then please contact us.

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**DANGER**

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

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## 8 MALFUNCTION OBVIATES

❖ **The CO2 Jet is leaking**

Check if the coupling of the gas hose is connected properly to the coupling of the CO2 Jet. If it isn't entirely secured then press it firmly. This's only possible when there is no pressure on the hose.

If the problem persists, then consult the technical service of us.

❖ **Only a small smoke plume is visible when the CO2 gas exits the CO2 Jet.**

Visibility can vary due to air humidity. The output will be more visible when there is high absolute air humidity.

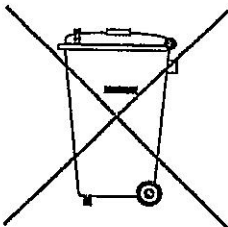
❖ **There is no white smoke plume visible when the CO2 gas exits the CO2 Jet.**

You may not have the right carbon dioxide cylinders. Connect cylinders with liquid carbon dioxide and a dip pipe to the CO2 Jet. In some cases the dip pipe may be broken. In that case replace the carbon dioxide cylinder with another and inform your gas supplier about the cylinder with the defective dip pipe.

❖ **The CO2 Jet is still malfunctioning after troubleshooting**

Always contact your dealer or the technical service of our company first in case of uncertainties, questions about the CO2 Jet works or other issues with regard to the CO2 Jet

## 9 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.