

/ECO2JET® BRACKET.



ACCESSORIES

PART00000
rev 01-00

DISCLAIMER

⚠ 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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LIABILITY

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

Although considerable care has been taken to ensure a correct and 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.

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INTRODUCTION

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. These notes and warnings are accompanied by the following icons. Read them attentively!

⚠ DANGER

Indicates a hazardous situation that, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations.

⚠ WARNING

Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

⚠ CAUTION

Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

NOTICE

Indicates information considered important, but not hazard-related (e.g. messages relating to property damage).

TARGET GROUP

This manual is targeted at authorised personnel in the event industry that install and operate the ECO2JET BRACKET.

Authorised personnel are those who:

- Are appointed by their supervisor to install and/or operate ECO2JET with the ECO2JET BRACKET at the event.
- Are trained in recognizing and avoiding hazards related to SFX applications at events.
- Are familiar with and abide by the applicable local, national and international laws and regulations.

LANGUAGE

This document contains the original instructions in English. In case you require other languages please contact MAGIC FX.

ABBREVIATIONS

Abbreviation	Description
ECO2JET	MAGICFX® ECO2JET
ECO2JET BRACKET	MAGICFX® ECO2JET BRACKET

Abbreviations

REVISION TABLE

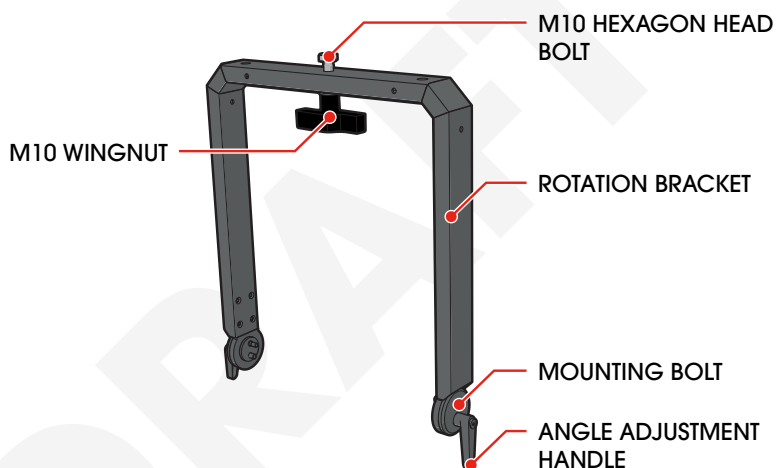
Doc nr	Revision	Date	Description	Author	Approved
PART00000	01-00	...-07-2023	Initial release	MBO	NvdE

1 MEET THE MAGICFX® ECO2JET BRACKET!

The ECO2JET BRACKET is an accessory that is designed for the ECO2JET. With the ECO2JET BRACKET it is possible to hang the ECO2JET below a truss in different angles / positions.

The ECO2JET BRACKET is only meant for use in combination with the ECO2JET. Use in combination with other machines is not permitted.

1.1 MAIN PARTS



Main parts

1.2 TECHNICAL DATA

Product	Product Name	ECO2JET BRACKET	
	Product Code		
	Product Type	ACCESSORIES	
Main Dimensions	Length	mm	in
	Width	mm	in
	Height	mm	in
Weight	Weight	kg	lb
Work Load Limit	WLL		
Environment	Minimum Temperature	°C	°F
	Maximum Temperature	°C	°F
	Humidity (Relative)	20 % to 90 % (non condensing)	

Technical data

1.3 PRODUCT IDENTIFICATION



Type plate

1.4 ACCESSORIES

Code	Product	Included
MFX3104	Doughty Quick Trigger Clamp (100 KG) M10	
MFX3106	Doughty Half Coupler (100 kg) M10	

Accessories

2 SAFETY

The ECO2JET BRACKET 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 this accessory.

The ECO2JET BRACKET must be used in surroundings that:

- Have a stable temperature of between 5 and 50 °C.
- Have a relative humidity degree between 20 % and 90 % (non condensing).
- Are free of dust, corrosive gases and high concentrations of organic vapours.
- Are not situated in the vicinity of a source of vibration.

2.1 GENERAL SAFETY RULES

- Only authorised persons may carry out work with the ECO2JET BRACKET.
- Make sure that children, unauthorised people and animals do not obtain access to the ECO2JET BRACKET.
- Do not remove any safeguards, safety caps and safety symbols.
- All required safety devices must be in good condition and function properly.
- Ensure sufficient lighting of the surroundings.
- Keep the workplace clean.

2.2 INDOOR/OUTDOOR USE

The ECO2JET BRACKET is designed for outdoor use and use in well-ventilated indoor spaces.

⚠ WARNING

The ECO2JET BRACKET can not be used in rain or other wet conditions with any fluids.

2.3 RIGGING

Please follow the European and national guidelines for safe rigging and trussing.

⚠ WARNING

The ECO2JET BRACKET is specifically designed for the ECO2JET. Do not use the ECO2JET BRACKET with other equipment than the ECO2JET.

⚠ WARNING

MAGICFX is not responsible for any rigging equipment and accessories provided by third party manufacturers. Verify that the Work Load Limit (WLL) of all additional hardware rigging accessories is respected.

2.4 NOISE LEVELS

The measured maximum noise level of the product is 95 dB(A) at 1 m distance. This level of noise is only reached during the short instances that the output is active. Always wear hearing protection when you are in the vicinity of the machine during operation.

2.5 SAFETY SYMBOLS

Symbol	Meaning	Position
	Read the manual carefully before use!	Product identification.

Safety symbols

2.6 SAFETY PRECAUTIONS

⚠ 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

Missing or obscured safety symbols on the machine can lead to death, serious injury or property damage. Make sure all safety symbols are correctly in place and visible, see Section 2.5.

⚠ WARNING

A poorly mounted machine will come loose when the machine is operated. This can lead to death, serious injury and/or property damage. Always inspect if the machine is mounted firmly and correctly as according to the instructions in this manual.

3 INSTALLATION AND USE

When the ECO2JET will be used under a certain angle it is highly recommended to use the ECO2JET BRACKET. Mount the ECO2JET BRACKET to the ECO2JET using the supplied fasteners and fix the ECO2JET BRACKET to a truss using the proposed truss clamps.

3.1 MOUNT THE ECO2JET BRACKET TO THE ECO2JET

- 1 Attach the ECO2JET brackets in vertical position to the ECO2JET.

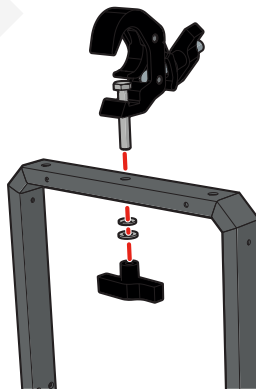


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- 2 Adjust the fixing points and move the loose bracket to acquire the desired angle of the ECO2JET.



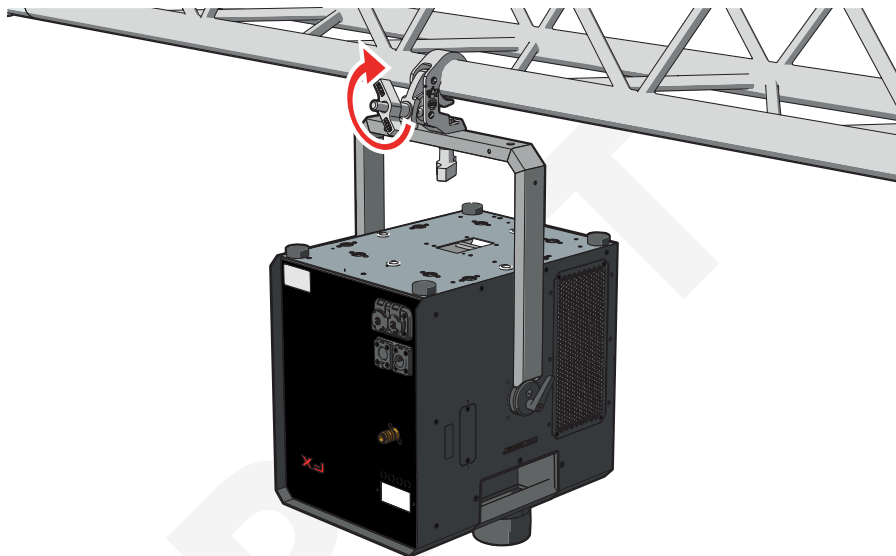
3.2 MOUNT A CLAMP

- 1 Mount a clamp (MFX3104 or MFX3106) to the ECO2JET BRACKET (MFX1804) using the provided bolts and nuts.



3.3 CLAMP IT TO A TRUSS

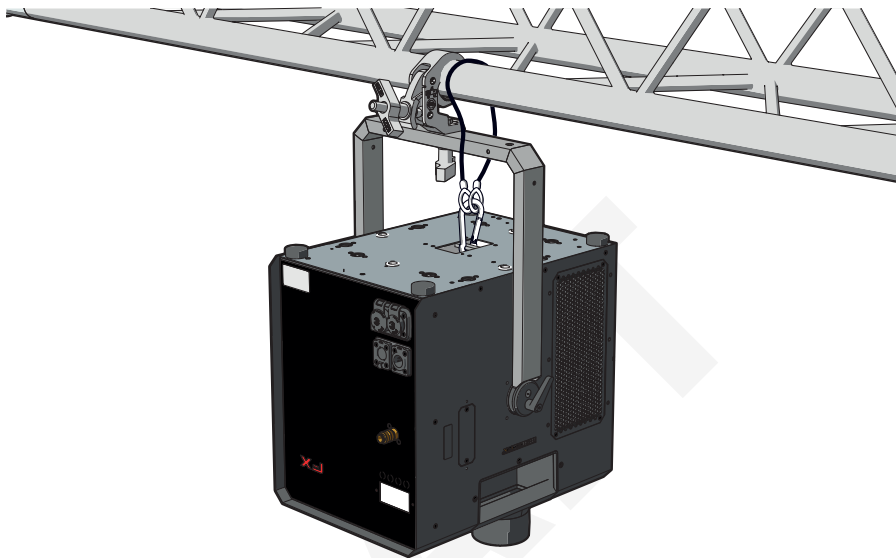
- 1 Mount the ECO2JET BRACKET with the ECO2JET in horizontal position onto a horizontal truss.



⚠ CAUTION

Take the recoil of the ECO2JET into account. Make sure the construction is prepared for the counter force of firing the effect.

-
- 2** Secure the ECO2JET onto the truss with use of the safety eye. Make sure the safety cable is as short as possible. If needed, wind the cable around the truss to pull it tight.



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- 3** By default, the machine is programmed to autoflip the display. However, to preserve a particular configuration use “flip mode” in the menu. This will allow to preserve a desired setting without any automatic adjustments.
-
- 4** Make sure that the installation complies with all relevant safety requirements, such as creating a safety zone and a free output zone, see Section 2.6.
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4 MAINTENANCE

To achieve the maximum service life of the ECO2JET BRACKET you must regularly clean the ECO2JET BRACKET and test if it is functioning correctly.

Contact MAGIC FX if the ECO2JET BRACKET is not functioning correctly.

⚠ DANGER

Do not replace parts yourself; always consult MAGIC FX.

5 TROUBLESHOOTING

Always contact MAGIC FX if any malfunctions or errors occur that cannot be solved with the instructions as described in this manual.

6 CORRECT DISPOSAL



This symbol on the product and / or accompanying documents means that used electrical and electronic products 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.

7 EC DECLARATION OF CONFORMITY

DRAFT

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