

MAGICFX[®] POWER DROP

PRODUCTCODE : MFX1501
VERSION : 1.0
DATE : 03.06.2012



1. CONGRATULATIONS!

You have purchased a Power Drop, a great and innovative product from MAGICFX®.

MAGIC FX is a Dutch manufacturer of professional special effects machinery and equipment. We have specialized in special effects since we established our business in 1995. All products are manufactured under the brand name MAGICFX®, which has acquired an excellent reputation for quality and reliability. All products are manufactured in accordance with the European Machinery Directive. MAGIC FX handles the entire production in-house from concept to finished product. We take care of the design, prototyping and manufacturing process.

MAGICFX® products are used by special effects professionals around the world and distributed by a dealer network across more than 80 countries.

You can rely on MAGICFX® for excellent effects!
We work hard to keep you, our customer, satisfied.

Congratulations and a lot of success and amazing shows with your new MAGICFX® Power Drop!

MAGICFX®

2. CE MARKING

	<p>NOTE: We must assume that you, your employees and others who use or come into contact with the machine are familiar with how the machine should be utilized. This specifically pertains to the proper use, maintenance and repair of the machine as described in this user manual. This also means that employees should be qualified to use machinery through training or experience. It is required that the user of this product has followed a training for the correct use of this product. Trainings are provided by MAGIC FX.</p>
	<p>DANGER WARNING: The Power Drop must only be used according to the prescriptions and instructions in this manual. Consult MAGIC FX if there are any doubts about usage.</p>

Disclaimers:

MAGIC FX B. V. specifically disclaims liability for unsafe situations, accidents and damages caused by:

- Ignoring warnings or prescriptions displayed on the Power Drop or in this documentation.
- Using the equipment for other purposes or situations than specified in this documentation.
- Modifications to the Power Drop. This includes the use of non-original spare parts.
- Improper maintenance.
- Unauthorized removal of safety covers and/or safety devices.
- Improper use of the machine.

MAGIC FX B.V. is not liable for any damages due to failures of the Power Drop.

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MAGIC FX reserves the right to make modifications at any time without having to notify the customer beforehand. The content of this manual may also be modified.

For additional information about maintenance, repair, and so on, please contact your supplier's technical department. This manual was written with the utmost care. MAGIC FX cannot be held liable for errors contained in this document or consequences thereof.

3. DECLARATION OF CONFORMITY

DECLARATION OF CONFORMITY
(according to Annex IIA of the Machinery Directive)



With respect to the Machinery Directive.
MAGIC FX B.V.
Industrieweg 16
5281 RW Boxtel
The Netherlands

Hereby declares under our sole responsibility:
We are the manufacturer of the product:

MFX1501 - MAGICFX® Power Drop

to which this declaration pertains and it is in conformity with the provisions of the following guidelines:

- Machinery Directive 2006/42/EG
- Low Voltage Directive 2006/95/EG
- EMC Directive 2004/108/EG

The following harmonized standards are applicable:

- NEN-EN-ISO 12100-1
- NEN-EN-ISO 12100-2

City: Boxtel
Date : 08-06-2010

Name: MAGIC FX

A handwritten signature in black ink, appearing to be 'B. Veroude', is written over a horizontal line. The signature is stylized and includes a large circular flourish on the left side.

Director: B. Veroude

4. FOREWORD

This manual provides pertinent information about the MAGICFX® Power Drop. The information in this manual is important with respect to the proper and safe operation of the Power Drop. If you are not familiar with the installation, operation, preventive maintenance, etc., of the Power Drop then read this manual in its entirety. MAGIC FX also urges all new users (operators, installers, maintenance staff and possibly cleaning staff) to receive training on the equipment using this manual as the basis for the training.

MAGIC FX recommends you keep the original of this manual and its attachments in a secure central location, and, keep another copy of this manual close to the workplace where the Power Drop will be used.

If you are well acquainted with the proper handling of the equipment then keep this manual handy for reference.

The following conventions are used in this manual to draw your attention to specific information or actions.

	<p>TIP: This provides you with suggestions and advice on how to perform tasks in an easier or more convenient way.</p>
	<p>NOTE: This is a note providing supplemental information that alerts you to possible problems.</p>
	<p>CAUTION: This indicates that the equipment may be damaged if procedures are not carried out in the proper manner.</p>
	<p>DANGER WARNING: This indicates that you may cause yourself injury, possibly serious, if procedures are not carried out in the proper manner.</p>

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5. INTRODUCTION

5.1 DESCRIPTION OF THE POWER DROP AND ITS USAGE

The Power Drop is an device specially developed for dropping backdrops from as truss construction. The Power Drop is developed to drop a larger range of object like balloons or banners.

Should you use the equipment in any way other than just described then you release your supplier from all liability.

5.2 NECESSARY ACCESSORIES

The following parts are required with the Power Drop:

		
Manual	MFX0308 – POWER CABLE	MFX0309 – POWER LINK CABLE

Table 5.1

6. SAFETY

6.1 INTRODUCTION

The Power Drop should be located and used in an environment that preferably:

- Has a fairly constant temperature between 0 and 30°C.
- Has a relative humidity not exceeding a maximum of 75%.
- Is reasonably free of dust, corrosive gases, and high concentrations of organic vapors.
- Does not contain any source of vibrations in the environment.

The Power Drop is designed and constructed so that it can be used in a safe manner. Specifically, this refers to the usage, situations, and prescriptions for the device as described in this documentation. It is the responsibility of all persons authorized to use the Power Drop to read and follow the instructions in this manual.

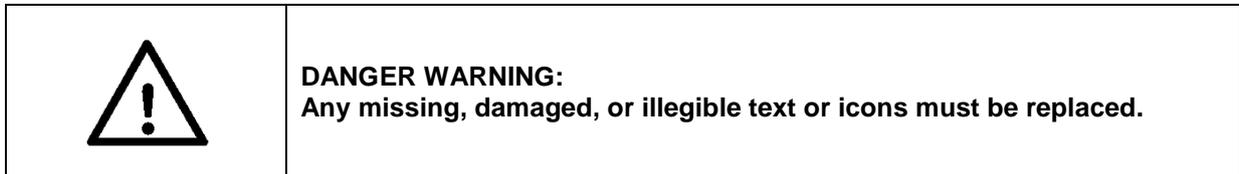
6.2 GENERAL SAFETY RULES

- Ensure that the Power Drop is not accessible to children, unauthorized persons, or animals!
- Do not touch the Power Drop when it is operational or turned on. Even if the device is not in operation it might be ready to activate.
- Safety devices must not be removed or rendered inoperative.
- All required safety devices should be in good working order and functioning properly.
- Ensure that there is adequate lighting in the environment.
- Keep the workplace clean.
- Only authorized persons may work with the Power Drop.

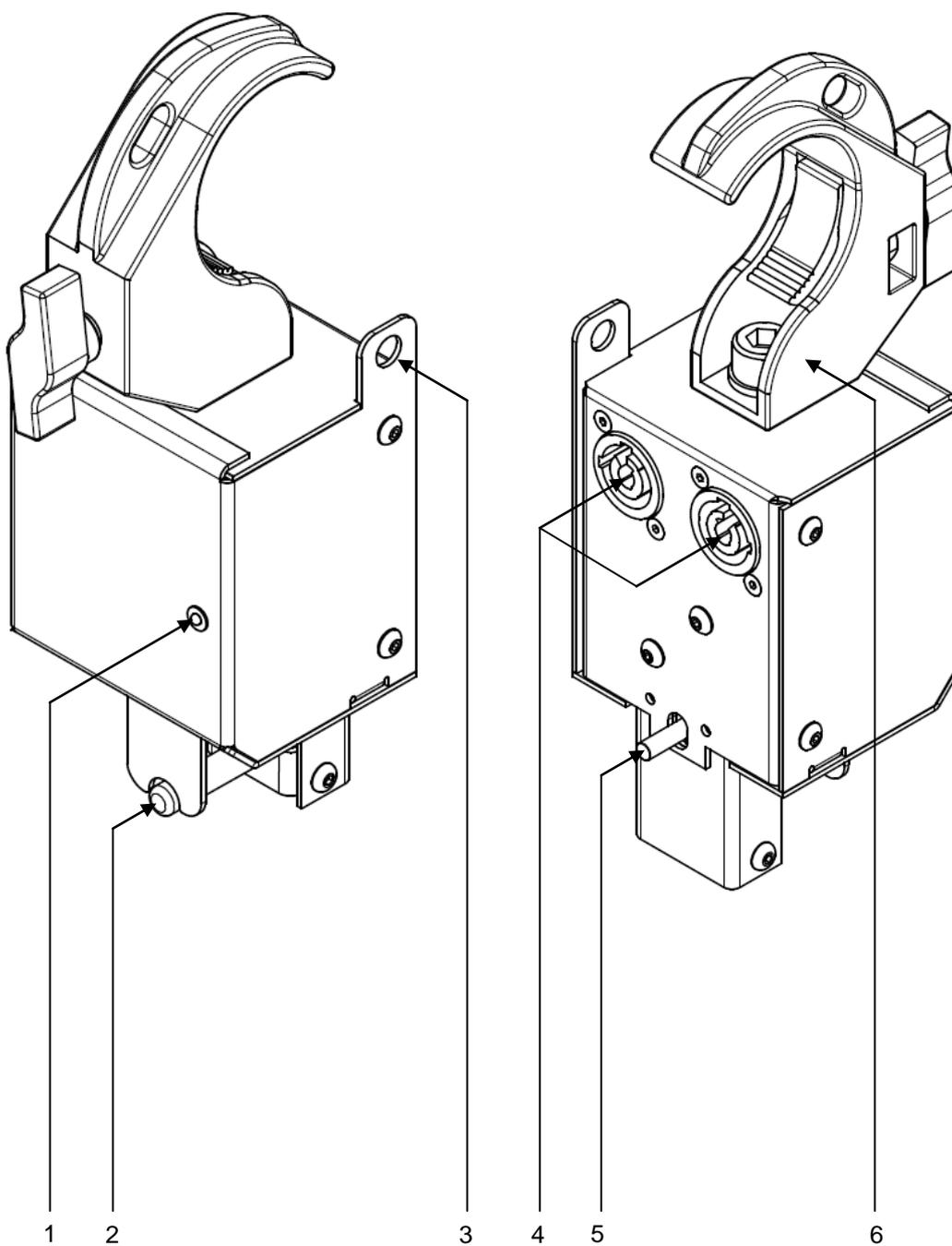
6.3 WARNINGS

There are several warnings displayed on the Power Drop to which the following restrictions apply:

- The text must not be removed or otherwise spoilt. The operator should regularly check that the warnings are in good condition.
- The operator must ensure that the text is always visible and legible and that it remains so.



7. PARTS



1. LED indicator
2. Drop lever
3. Safetyhook
4. Power in & out
5. Reset pin
6. Truss clamp

8. ACCESSORIES

		
MF1502 – CURTAIN CLAMP	MF3102 – SAFETY CABLE	MF1504 – SET PRO

Table 8.1

You can order the above parts from:

<p>MAGIC FX B.V. Industrieweg 16 NL-5281 RW BOXTEL The Netherlands T. +31(0)411 63 50 13 F. +31(0)411 63 50 12 W. http://www.magicfx.eu E. info@magicfx.eu</p>	
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9. PREPARATION FOR USE

Unpack the Power Drop. Dispose of packaging material without causing harm to the environment. Check the device for any possible damage. You must report any damage to the device to MAGIX FX.

10. INSTALLING

	<p>CAUTION: This indicates that the equipment may be damaged if procedures are not carried out in the proper manner.</p>
	<p>DANGER WARNING: The MAGICFX® Power Drop may only be installed by authorized adults.</p>

Prepare the Power Drop for use as follows:

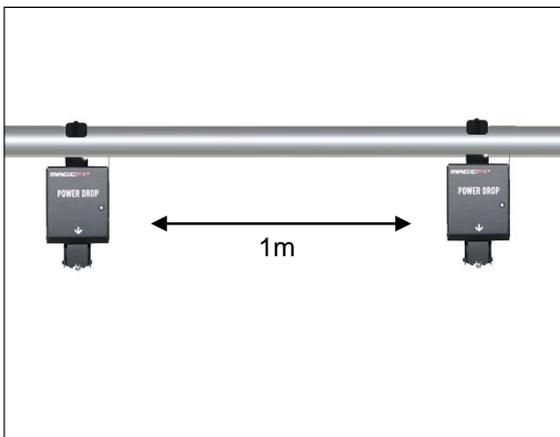
1.



Mount the Power Drop in a sturdy truss Construction.

Make sure the Power Drop is perpendicular to the ground.

2.



Use the width of the backdrop or the object u want to drop to determine the location of the first Power Drop

Place between the first and the last with an interval of 1 meter the other Power Drops. This ensures a tight backdrop and enough solidity.

3.



Connect the First Power Drop with the shuko to powerCON cable.

4.



To connect the next Power Drop use the powerCON to powerCON cable.



Never use more than 25 Power Drops in series on a standard 16 Amp outlet.

5.



Connect the Power Drops to a 230VAC power source to check if all the Power Drops are connected. If all the Power Drops are connected in the right way all LED indicators light up.

6.



Disconnect the Power Drops from the power source and add a power switch to control the Power Drops.



Make sure the switch is able to switch the current used by the Power Drops.

7.



Now u can secure your backdrop in the Power Drops .

If the backdrop has rings in it u can hook it over the drop lever and lock in the drop lever. Continue this until the entire backdrop is locked in.

8.



If the backdrop doesn't include rings you can use the special curtain clamps.

The curtain clamp can be secured to the backdrop by placing it over the edge of the backdrop and locking it in its place.

9.



Next use the same procedure as in step 7.



If you want to release the backdrop manually use the reset pin on the back of the Power Drop.

By pressing the reset pin up the drop lever will be released.



Always use a safety cable to ensure the Power Drop to the construction.

On the Power Drop there is a safety hook for a safety cable.

11. USAGE

	<p>TIP: This provides you with suggestions and advice on how to perform tasks in an easier or more convenient way.</p>
	<p>CAUTION: This indicates that the equipment may be damaged if procedures are not carried out in the proper manner.</p>
	<p>DANGER WARNING: The MAGICFX® Power Drop may only be operated by authorized adults. The Power Drop may only be operated if all parts are entire and in good working order and properly connected/installed.</p>

Operate the Power Drop as follows:

1.

	<p> When the Power Drop is connected to a power source the drop lever will release.</p> <p>Press the switch to provide the Power Drop with power.</p> <p> Make sure the Power Drop is activated before releasing the button (min 1 sec.)</p> <p> You can also control the Power Drop by DMX using a switch pack.</p>
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12. TURNING OFF

Turn off the Power Drop as follows:

1.



Disconnect the powerCON cable from the Power Drop

2.



Unscrew the truss clamp from its construction and unlock the safety cable from the Power Drop.

3.



Store the Power Drop in its flightcase to prevent damage.

13. TROUBLESHOOTING

- **The Power Drop does not drop when activated**

Make sure the Power Drop is powered by checking if the indicator LED will light up. If so check if the load is under 20Kg. if this doesn't resolve the problem try to power the Power Drop for a longer period.

- **The Power Drop still does not work after troubleshooting**

Always contact your dealer or the MAGIC FX technical department if you have any doubts or questions about the operation of or other issues related to the Power Drop.

14. TECHNICAL SPECIFICATIONS

Dimensions and weight	Length:	135mm (5.3")
	Width:	76mm (3.0")
	Height:	74mm (2.9")
	Weight:	0,9Kg (2.0lbs.)
Power	Input:	20,0Kg (44.1lbs.)
	Output:	AC 230V~50-60Hz
	Consumption:	AC 230V~50-60Hz
	Fuse:	100W (idle)

15. MAINTENANCE

To prolong the life of the Power Drop for as long as possible, you must regularly clean it and test that it functions properly.

Regardless of the reason, contact MAGIC FX if the Power Drop does not work properly

	<p>DANGER WARNING: Never replace parts yourself. Always consult MAGIC FX when needed.</p>
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16. GUARANTEE

The MAGIC FX Power Drop has a 3 year factory guarantee.

- The guarantee is annulled should the Power Drop be used for purposes other than intended or for applications that are not listed in the manual.
- The guarantee is annulled should the device be used incorrectly or in a manner contrary to its instructions.
- The guarantee is annulled if the device is altered without the permission of its supplier.