

## MAGICFX<sup>®</sup> DMX FX SWITCH PACK



PRODUCT CODE : MFX3210  
VERSION : 1.0  
DATE : 11.12.2012



## 1. CONGRATULATIONS!

You have bought a great new product from MAGICFX®.

MAGIC FX is a Dutch manufacturer of professional special effects machines and equipment. We have been experts in special effects since our establishment in 1995. All our products are made under the brand name MAGICFX® which by now has acquired a great reputation on account of its quality and reliability. All products are made in accordance with the European Machinery Directive. MAGIC FX manages the entire production process in-house, from the design stages and prototyping to production. In short, we cover everything from concept to ready-to-use product.



Moreover, MAGIC FX is Europe's largest supplier of high-quality and fireproof confetti products and streamers. Thanks to our very large stock levels, we can deliver quickly and at low prices.

MAGICFX® is used by special effects professionals all over the world and our products are distributed through a dealer network which covers more than 80 countries.

Congratulations and enjoy your purchase!

**MAGICFX®**

## 2. CE MARKING

	<p><b>PLEASE NOTE:</b> We presume that you, your employees and others who use or come into contact with the machine are familiar with how the machine must be dealt with. This includes the correct use, maintenance and repair of the machine as described in this user manual. This also means that the employees are familiar with the use of machines through training or experience.</p>
	<p><b>DANGER WARNING:</b> Only use the DMX FX Switch Pack in accordance with the regulations and instructions in this manual. Consult MAGIC FX in case of doubt.</p>

Disclaimers:

MAGIC FX B.V. excludes liability for unsafe situations, accidents and damage that are the result of:

- Disregard for the warnings or regulations as set out on the DMX FX Switch Pack or in this documentation.
- Use for other purposes or under other circumstances than those set out in this documentation.
- Alterations to the DMX FX Switch Pack. This also includes the use of replacement parts other than the original ones.
- Insufficient maintenance.
- Unauthorised removal of safety caps and/or safeguards.
- Incompetent operation of the machine.

MAGIC FX B.V. is not liable for any consequential loss in the event of a DMX FX Switch Pack breakdown.

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MAGIC FX at all times retains the right to make alterations without the direct knowledge of the client. The contents of this user manual can also be changed.

Please contact the technical department of your supplier for extra information with regard to, for example, maintenance and repair. This user manual has been drawn up with the utmost care. MAGIC FX cannot be held responsible for any mistakes made in this publication or for any consequences thereof.

### 3. DECLARATION OF CONFORMITY

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**DECLARATION OF CONFORMITY**  
(according to Annex II.1.A of the Machinery Directive)



Concerning the Machinery Directive.  
We; MAGIC FX B.V.  
Schouwrooij 27  
5281 RE Boxtel  
The Netherlands

State under personal responsibility:  
We are the manufacturer of the product:

**MFX3210 - MAGICFX® DMX FX Switch Pack**

to which this statement relates and which is in accordance with the provisions of the following Directive(s):

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

The following harmonising standards have been applied:

- NEN-EN-ISO 12100
- NEN-EN-ISO 60204-1

Place : Boxtel  
Date : 15-10-2012

Name: MAGIC FX

A handwritten signature in black ink, consisting of a large, stylized 'B' followed by a series of loops and a long horizontal stroke extending to the right.

Director: B. Veroude





## 4. FOREWORD

This manual describes the MAGICFX® DMX FX Switch Pack. The information in this manual is important for the proper and safe functioning of the DMX FX Switch Pack. If you are not familiar with the installation, operation, preventative maintenance etc. of the DMX FX Switch Pack then please read this user manual carefully from beginning to end. MAGIC FX also insists that all new users (operators, installers, maintenance workers and cleaners) receive a training course in which this user manual can serve as a starting point.

MAGIC FX advises that the original of this user manual, including appendices, is kept at a safe and central place. It is best that another original or copy is kept close to the DMX FX Switch Pack at the workplace.

If you are familiar with these matters, then you can use this manual as a work of reference.

The following standard markings are used in this manual for drawing attention to certain subjects or actions.

	<p><b>TIP:</b>  <b>Gives you suggestions and advice regarding easier or more convenient ways to carry out certain tasks.</b></p>
	<p><b>PLEASE NOTE:</b>  <b>A comment with additional information: alerts you to certain problems.</b></p>
	<p><b>CAUTION:</b>  <b>The machine can be damaged if you do not follow the procedures carefully.</b></p>
	<p><b>DANGER WARNING:</b>  <b>You can get (seriously) hurt if you do not carefully carry out the procedures.</b></p>

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## 5. INTRODUCTION

### 5.1 DESCRIPTION AND APPLICATION OF THE DMX FX SWITCH PACK

The DMX FX Switch Pack is a switch system which has been especially developed for the safe switching on and off of electronic special effects equipment.

Any use other than that described above excludes your supplier from any liability.

### 5.2 NECESSARY ACCESSORIES

The following parts belong to the DMX FX Switch Pack:

	
<b>Manual</b>	<b>MFX0308 – Power Cable</b>

Table 5.1

## **6. VEILIGHEID**

### **6.1 INTRODUCTION**

The DMX FX Switch Pack 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 DMX FX Switch Pack.

The DMX FX Switch Pack must be placed and used in surroundings that preferably:

- Have a reasonably stable temperature of between 0 and 30°C.
- 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.

### **6.2 GENERAL SAFETY RULES**


- Make sure that children, unauthorised people and animals do not obtain access to the DMX FX Switch Pack!
- Do not take hold of the DMX FX Switch Pack while it is working or is switched on.
- 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 DMX FX Switch Pack.





### 6.3 WARNINGS

Warning texts have been attached to the DMX FX Switch Pack. With regard to these the following rules apply:

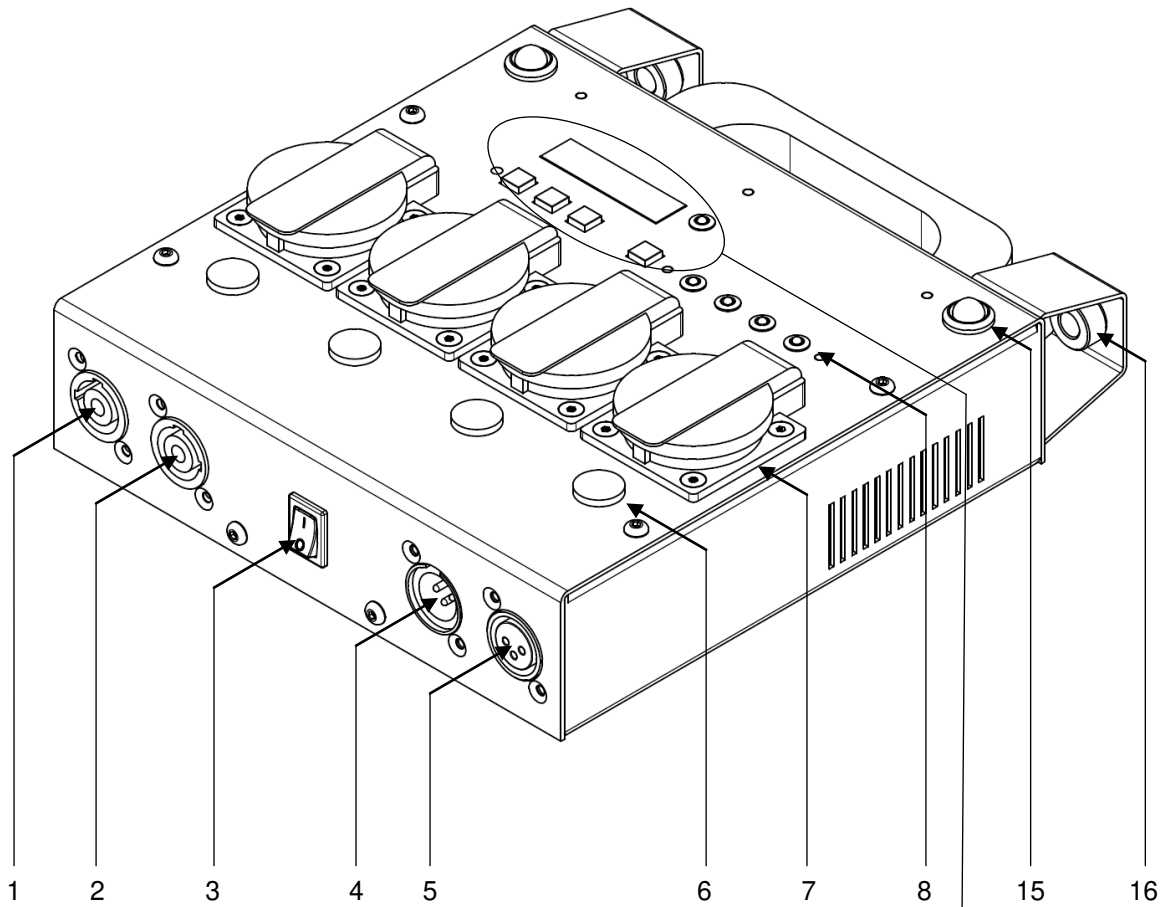
- These texts may not be removed or damaged. The operator must regularly check if this is the case.
- The operator must ensure that the texts are and remain clearly visible and legible.

	<p><b>DANGER WARNING:</b> One must replace texts or signs if these are absent, damaged or illegible.</p>
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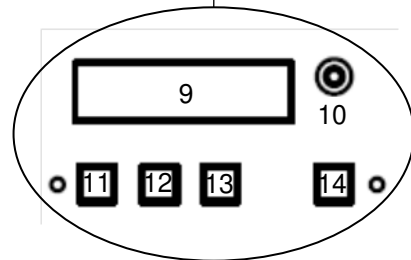
Sign and explanation	Photo
 <p>PIC 616 Follow the instructions</p>	
<p>The operator must be told that he/she may only operate the DMX FX Switch Pack after reading the user manual.</p> <p>A warning is given for this by means of the command sign of PIC 616. This sign should be attached to the type sign. See also the photo.</p>	

Sign and explanation	Photo
 <p>PIC 307 Danger: high voltage</p>	
<p>A warning must be given about the machine's high voltage by using the caution sign PIC 307. This sign must be attached to the DMX FX Switch Pack. See also the added photo.</p>	

## 7. ONDERDELEN



- 1. Power input
- 2. Power output
- 3. Power button
- 4. DMX input
- 5. DMX output
- 6. Fuses
- 7. Switched outputs
- 8. Indicator LEDs
- 9. Display
- 10. DMX Led
- 11. MENU button
- 12. UP button
- 13. DOWN button
- 14. RESET button
- 15. Warning LEDs



## 8. ACCESSORIES



**MFX3103 – Twenty clamp M10**

**MFX0308 – Power Cable**

*Table 8.1*

You can order these parts and accessories from:

MAGIC FX B.V.  
Schouwrooij 27  
NL-5281 RE 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](mailto:info@magicfx.eu)





## 9. PREPARATIONS

Unpack the DMX FX Switch Pack. Dispose of the packaging material without harming the environment.

Inspect the machine for any damage. If damage is noticed this must be reported to MAGIC FX.

## 10. INSTALLATION

	<p><b>CAUTION:</b> The machine can be damaged if you do not follow the procedures carefully.</p>
	<p><b>DANGER WARNING:</b> The MAGICFX® DMX FX Switch Pack may only be installed by adults and authorised persons.</p>

Ga bij het installeren van de DMX FX Switch Pack als volgt te werk:

1.



Mount the DMX FX Switch Pack in a truss system by means of 2 certified truss clamps (MFX3103) or place these on an even, solid and stable surface.

2.



Check if the on/off switch is in the 'off' position and then connect the electricity cable. The DMX FX Switch Pack runs on 230V~ 50/60Hz. You will need a powerCON plug to provide the DMX FX Switch Pack with electricity. Only use an earthed power socket!

The DMX FX Switch Pack is also equipped with a powerCON output. By connecting it with a powerCON loop cable (MFX0309) you can connect several machines to the same power source.

3.



Connect a 3-pin DMX cable to the DMX FX Switch Pack.



There should be no more than a 500m distance between the controller and the receiver, also no more than 32 DMX receivers may be connected to 1 DMX sender. Maintain these standards for a faultless operation.

You can connect several machines by using 3-pin DMX cables.

4.



Connect the other end of the DMX cable (male plug) to the professional DMX controller.

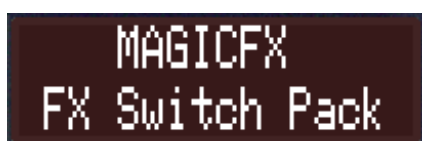


Take care that you always place the controller in such a position that the operator has full view of all the connected machines.



Consult the DMX controller manual for instructions and safe use.

5.



To turn on the machine put the switch of the DMX FX Switch Pack in the 'on' position.

The display will show the image on the left for 1 second.

6.

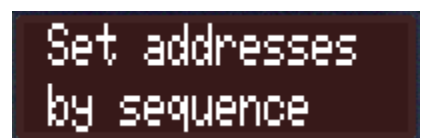


Before you start using the DMX FX Switch Pack you must perform the correct DMX FX Switch Pack set-up.

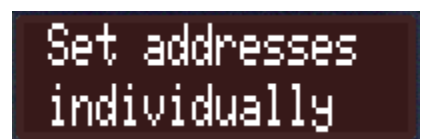


During installation, make sure that you use free channels on the DMX controller and that these channels are in the safe mode. Consult the manual of the DMX controller for the set-up.

Press the 'MODE' button to start the set-up of the DMX FX Switch Pack.



-Or-



The DMX FX Switch Pack now gives you two set-up options.

#### Set addresses by sequence

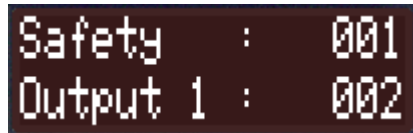
You only need to set the Safety address and the first output address, whereas the other 3 output addresses are automatically set in numerical order.

#### Set addresses individually

You set all 5 addresses yourself

Change to the required mode by pressing on the ▲ or ▼ button. Then press the 'MODE' button to confirm your choice.

7.



The display will now show the screen pictured on the left.

You will see the address behind Safety flash on and off. This is the address which can be used for releasing the machine.

Change to the required mode by pressing on the ▲ or ▼ button. Then press the 'MODE' button to confirm your choice.



When you use several machines it is advisable to use the same 'Safety' channel for each DMX FX Switch Pack.

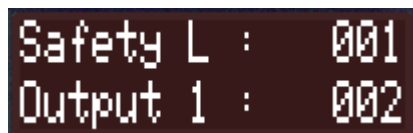


If you want to restore the addresses to standard values then press the LOCK button for each address. This way the address will return to its standard value.

8.



Now you can connect the machines to the desired outputs of the DMX FX Switch Pack.






It is possible to switch off the buttons for safety reasons.

Press the Lock button down for 5 seconds to switch the buttons on or off.




The machine is locked if there is an L in the image as pictured left.

## 11. USAGE

	<p><b>TIP:</b> Gives you suggestions and advice regarding easier or more convenient ways to carry out certain tasks.</p>
	<p><b>CAUTION:</b> The machine can be damaged, if you do not follow these procedures carefully.</p>
	<p><b>DANGER WARNING:</b> The MAGICFX® DMX FX Switch Pack may only be installed by adults and authorised persons.</p> <p>The DMX FX Switch Pack may only be operated if all parts are completely and correctly installed/connected.</p>

For using the DMX FX Switch Pack take the following steps:

1.

	<p>To get the DMX FX Switch Pack out of the safe mode, the 'safety' channel on the DMX FX Switch Pack must be set between 40% and 60%.</p> <p>The LED light on the front of the DMX FX Switch Pack now starts to flash on and off.</p>
	<p>Press the flash buttons of the installed output channels on the DMX controller. If the correct output has been chosen the machines connected to the DMX FX Switch Pack are now powered.</p> <p></p> <p>Consult the manual of the machine for the correct use of the DMX controller.</p>
	<p>After using the DMX FX Switch Pack the machine must be put back in the safe mode. Put the DMX FX Switch Pack in the safe mode by closing the 'Safety' channel or by giving it a value outside the 40-60% range.</p> <p></p> <p>The DMX FX Switch Pack does not work when it is in the safe mode.</p>

## 12. SWITCHING OFF

To switch off the DMX FX Switch Pack, take the following steps:

1.



Ensure that the DMX FX Switch Pack is in safety mode (safety channel closed).

2.



Now remove all connected machines from the DMX FX Switch Pack.

3.



Switch the DMX FX Switch Pack off by means of the power switch.

4.



Now remove all powerCON and XLR cables from the DMX FX Switch Pack.



### 13. TROUBLESHOOTING

- **The DMX FX Switch Pack does not react to the DMX controller**

Check if the DMX LED flashes on and off. If not, check the cabling and controller. If so, check if the set addresses correspond to the sent addresses.

- **The DMX FX Switch Pack still does not work after the troubleshooting**

In case of uncertainties, questions about the working of the DMX FX Switch Pack or other issues related to the DMX FX Switch Pack always first contact your dealer or the technical service of MAGIC FX


### 14. TECHNISCHE SPECIFICATIES

Measurements and weight	Length:	254mm (10")
	Width:	220mm (8.66")
	Height:	72mm (2.83")
	Weight:	2.5 Kg (5.5lbs.)
Power	Input:	AC 230V~50-60Hz
	Output:	AC 230V~50-60Hz, 5A/ch (1150W) - 16A/total (3680W)
	Usage:	5W (idle)
	Fuse:	5A 250V 5x20mm
DMX	Input:	3-pin Neutrik XLR Male Socket
	Output:	3-pin Neutrik XLR Female Socket

### 15. MAINTENANCE

To achieve the maximum service life of the DMX FX Switch Pack you must regularly clean the DMX FX Switch Pack and test if it is working correctly.

Should the DMX FX Switch Pack not work for some reason then please contact MAGIC FX.

	<p><b>DANGER WARNING:</b> Do not replace parts yourself; always consult MAGIC FX if necessary.</p>
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### 16. GUARANTEE

A manufacturer's guarantee of 3 years applies to the MAGIC FX DMX FX Switch Pack.

- The guarantee expires if the DMX FX Switch Pack is used for improper purposes and for applications which are not stated in this manual.
- The guarantee also expires if the machine is used incorrectly or in violation of the regulations.
- The guarantee expires if the machine is altered without permission from the supplier.