

ENGLISH

MAG:CFX®

USER AND INSTALLATION MANUAL

SMOKEJET



CE SMOKE FX

PART01085 rev 01-03

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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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. Always check the latest version of the manual.

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.

TABLE OF CONTENTS




Introduction	4
Target group	4
Language	4
Abbreviations	5
Revision table	5
1. Description	6
1.1 Main parts	6
1.2 Technical data	6
1.3 Product identification	7
1.4 Accessories	7
1.5 Input & Output	7
2. Safety	8
2.1 General safety rules	8
2.2 Rigging	9
2.3 Safety symbols	9
2.4 Safety warnings	9
3. Installation and use	10
3.1 Installation	10
3.2 Control panel operation	10
3.3 Control menu	11
3.4 Wireless operation	12
3.5 Registering transmitter	12
3.6 Transmitter battery replacement	13
3.7 DMX Connector pin assignment	13
3.8 DMX Channel function	14
3.9 Clean up	15
4. Troubleshooting	15
5. Maintenance	16
6. Correct disposal	16
7. EC Declaration of Conformity	17

INTRODUCTION

Congratulations! You have bought a great new product from MAGIC FX.

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 SMOKEJET.

Authorised personnel are those who:

- Are appointed by their supervisor to install and/or operate the SMOKEJET.
- 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
SFX	Special effects
SMOKEJET	MAGICFX® SMOKEJET

Abbreviations

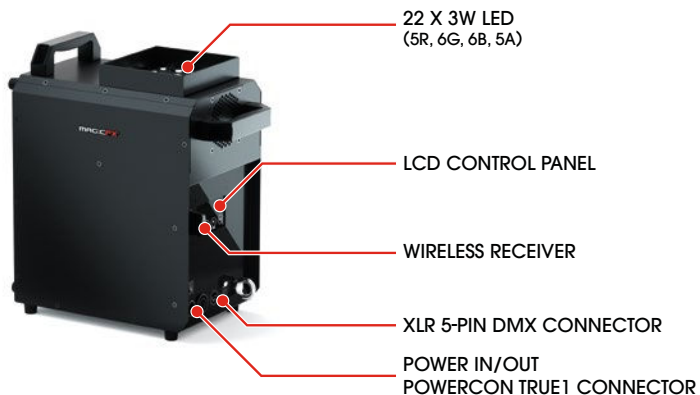
REVISION TABLE

Doc nr	Revision	Date	Description	Author	Approved
PART01085	01 - 00	20-08-2018	Initial release	TVA	WH
PART01085	01 - 02	04-01-2021	New design	NE	LL
PART01085	01 - 03	21-01-2026	Preparing for CMS Updated front page Corrected menu structure	MBO	PvdW

Revisions

1. DESCRIPTION

1.1 MAIN PARTS



Main parts

1.2 TECHNICAL DATA

Product	Product Name	MAGICFX® SMOKEJET	
	Product Code	MFX0901	
	Product Type	SMOKE FX	
Main Dimensions	Length	345 mm	13.6 in
	Width	193 mm	7.6 in
	Height	386 mm	15.2 in
Weight	Weight	11.1 kg (dry)	24.5 lb. (dry)
		13.6 kg (full)	30 lb. (full)
Electrical	Voltage Input	230 - 250 VAC	
	Voltage Frequency	50 - 60 Hz	
	Power Consumption	1420 W	
	Power Connector	Neutrik® powerCON TRUE1 (in&out)	
Usage	Consumable(s)	MAGICFX® SMOKEJET Fluid	
	Consumable Consumption	MAGICFX® SMOKEJET Fluid 2.5 ml/s	

Technical data

1.3 PRODUCT IDENTIFICATION



Type plate

1.4 ACCESSORIES

Code	Product	Included
PART01157	Remote	1x
MFX0313	Schuko to Neutrik® powerCON TRUE1 cable - 1.5 m	
MFX0911	MAGICFX® SMOKEJET FLIGHTCASE (FOR 4 PCS)	
MFX3106	HALF COUPLER (100kg) M10	
SPR00119	SAFETY STEEL 60 cm - 25 kg	

Accessories

Please contact MAGIC FX for additional possibilities.

1.5 INPUT & OUTPUT

The SMOKEJET uses MAGICFX® SMOKEJET Fluid to create the smoke effect. The fluid is delivered in a can. Do not use other fluids than those that are approved and supplied by MAGIC FX, see following table.

Code	Type of fluid	Volume
MFX3070	MAGICFX® SMOKEJET Fluid	5 L

FX fluids

2. SAFETY

The SMOKEJET 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 SMOKEJET.

The SMOKEJET must be used in surroundings that:

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


2.1 GENERAL SAFETY RULES

- Keep this device dry.
- Always connect to a grounded circuit to avoid risk of electrocution.
- Before connecting machine to power, always check voltage indicate on machine match to your local AC voltage. Do not use the machine if AC power voltage does not match.
- Disconnect the machine from AC power before servicing and when not in use.
- This product is for indoor use only! Do not expose to rain or moisture. If fluid is spilled, disconnect AC power and clean with a damp cloth. If fluid is spilled onto electronic parts, immediately unplug the machine and contact your local MAGIC FX dealer for advice.
- No user serviceable and modifiable parts inside. Never try to repair this product, unauthorized technician may lead machine to damage or malfunction.
- For adult use only. Never leave the machine running unattended.
- Installed in well ventilated area. Provide at least 50 cm space around the machine.
- Never add flammable liquid of any kind to the machine.
- Make sure there are no flammable materials close to the machine while operating.
- Only use MAGIC FX fluid. Other fluid may lead to heater clog and malfunction.
- If the machine fails to work, unplug the machine and stop operation immediately. Contact your local MAGIC FX dealer for advise.
- Before transporting the machine, make sure the fluid tank is completely drained.
- Smoke fluid may present health risks if swallowed. Do not drink smoke fluid. Store it securely. In case of eye contact or if fluid is swallowed immediately look for medical advice.

2.2 RIGGING








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

2.3 SAFETY SYMBOLS

Symbol	Meaning
	Read the manual carefully before use!

Safety symbols

2.4 SAFETY WARNINGS

 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	Unauthorized operation of the machine can lead to death, serious injury or property damage. Never leave the machine unattended when the machine is ready for use.
 WARNING	Do not use the SMOKEJET if alterations have been made other than by or on behalf of MAGICFX®.
 WARNING	Make sure there are no objects near the input grill that can block the air to be sucked in.
 CAUTION	Always follow the instructions as noted on the cans.
 CAUTION	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 2.3.
 NOTICE	Do not use other fluids than those that are approved and supplied by MAGICFX®, see section 1.5.

3. INSTALLATION AND USE

3.1 INSTALLATION

1. Place the machine on a flat surface and in a suitable large area with at least 50 cm open space around the machine.
2. Fill the fluid tank with MAGICFX® approved fluid.
3. Connect the machine to suitable rated power supply. To determine the power requirement for the machine refer to the label on the back of the machine.

⚠ 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.

4. Turn on the machine and allow it to heat up. Heat up takes approximately 5 minutes. Once the machine has reached operating temperature, the LCD display will show "Ready To Fog". Now the machine is ready for operation.
5. To start making fog, locate the OUTPUT button on the control panel, and press the button to start making fog.
6. To turn off the machine, press STOP button and turn POWERCON TRUE1 to the OFF position.

3.2 CONTROL PANEL OPERATION

The machine can be operated with the onboard digital control interface.



Button	Function
MENU	Scroll through setting menu
▲ UP / TIMER	Up / Activate Timer function
▼ DOWN / OUTPUT	Down / Activate Output function
STOP	Deactivate Timer / Volume function

3.3 CONTROL MENU

DMX512 Address: 1	Set DMX address from 1 to 504
Stand Alone Set Master	Set machine as Master of Slave unit.
Color Mode On	Turn LED On or Off.
Color Mode Macro: 01	Set LED output color from macro 1 to 10.
Color Mode Chase: 01	Set LED chase from 1 to 15.
Timer Interval 15 Sec	Set interval from 15 to 360 seconds.
Timer Duration 5 Sec	Set duration from 1 to 5 seconds.
Wireless Setting On	Turn On or Off wireless control.
Wireless Setting Button A:M01	Set wireless remote button function macro color 1 to 10 or chase 1 to 15 and off.
Wireless Setting Button B:M01	Set wireless remote button function macro color 1 to 10 or chase 1 to 15 and off.
Wireless Setting Button C:M01	Set wireless remote button function macro color 1 to 10 or chase 1 to 15 and off.
Wireless Setting Button D:M01	Set wireless remote button function macro color 1 to 10 or chase 1 to 15 and off.
LED Setting Fog Only	Setting for LED to turn on with fog only or always on.

LED Fade Out Delay: 0 Sec	Set LED delay time from 0 to 5 seconds.
Run Last Setting On	Turn On/Off run last setting function.
2 Second Jet Mode Off	Turn On/Off 2 Second Jet Mode.

3.4 WIRELESS OPERATION

Wireless remote control system consists of a transmitter equipped with four buttons to activate four user configurable LED setting and fog; with an onboard receiver attached to the rear panel of SMOKEJET.



Remote

Wireless Receiver

Wireless settings are configurable through onboard control panel, refer to control menu section to setup each buttons.

In a free open space the effective distance is 50 meters, actual usage depending on obstacle level the effective distance is 10-25 meters.

3.5 REGISTERING TRANSMITTER

Transmitter can be paired or deleted from the receiver. Each receiver can pair up to 10 transmitters. Follow the steps below to pair or delete transmitter from receiver.

1. Power off the SMOKEJET.
2. Press and hold DOWN button.
3. Turn power on and release DOWN button when LCD display blinks.
4. Follow the menu instruction to pair or delete transmitter.

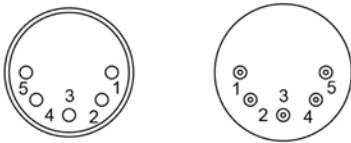


3.6 TRANSMITTER BATTERY REPLACEMENT

If the effective distance seems to be decreased, it is possible that the battery level is low and requires a replacement. In order to replace the battery, undo the three screws on the back of transmitter to release the cover. Replace with same battery type and specification of battery which is 27 A - 12 V.

3.7 DMX CONNECTOR PIN ASSIGNMENT

The machine provides a 5 pin XLR connector for DMX connection. The diagram below indicates pin assignment information.



5 Pin XLR

Pin	Function
1	Ground
2	Data -
3	Data +

3.8 DMX CHANNEL FUNCTION

		DMX Value Range	Function
Channel 1	Fog	0 - 4	Fog Off
		5 - 255	Fog On
Channel 2	Red LED	0 - 225	0 - 100 %
Channel 3	Green LED	0 - 225	0 - 100 %
Channel 4	Blue LED	0 - 225	0 - 100 %
Channel 5	Amber LED	0 - 225	0 - 100 %
Channel 6	Chase	1 - 15	Chase 1
		16 - 31	Chase 2
		32 - 47	Chase 3
		48 - 63	Chase 4
		64 - 79	Chase 5
		80 - 95	Chase 6
		96 - 111	Chase 7
		112 - 127	Chase 8
		128 - 143	Chase 9
		144 - 159	Chase 10
		160 - 175	Chase 11
		176 - 191	Chase 12
		192 - 207	Chase 13
		208 - 223	Chase 14
		224 - 255	Chase 15
Channel 7	Chase Speed	0 - 225	0 - 225 step(s) per minute
Channel 8	Master Dimmer	0 - 225	0 - 100 %
Channel 9	Strobe	0 - 225	1 - 20 Hz

3.9 CLEAN UP

- Do not allow the machine to become contaminated.
- Remove dust from air vents with air compressor, vacuum or a soft brush.
- Only use a damp cloth to clean the casing.
- Before storing run distilled water through the system to help avoid condensing the pump or heater.
- It is recommended to run the machine on a monthly basis in order to achieve best performance and output condition.
- Excessive dust, liquid and dirt built up will degrade performance and cause overheating.

4. TROUBLESHOOTING

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

BREAKER RESET

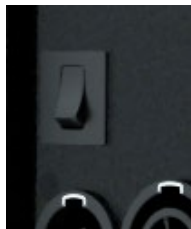
Breaker

230V = 9A 250V

⚠ WARNING

Disconnect AC power before reset breaker. Only replace fuse with same type and rating.

1. Disconnect AC power
 2. Flip breaker to ON position
-



3. Turn on machine to test

5. MAINTENANCE

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

Contact MAGIC FX if the SMOKEJET is not functioning correctly.

⚠ DANGER

Do not replace parts yourself; always consult MAGIC FX if necessary.

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

According to Annex III A Machinery Directive 2006/42/EC

MAGIC FX B.V. declares as manufacturer and composer of the technical construction file that the product with the following specifications:

Name machine	: SMOKEJET
Type	: MFX0901
Voltage	: 230-250 VAC 50/60Hz
Serial number	: on product
Year of construction	: on product

Is in conformity with the minimal safety regulations as stated in the following directive(s):

- LVD (2014/35/EU) Low Voltage Directive
- EMC (2014/30/EC) ElectroMagnetic Compatibility
- RoHS (2011/65/EU) Restriction of the use of certain Hazardous Substances
- WEEE (2012/19/EU) Waste Electrical & Electronic Equipment

The following harmonized standards were applied:

- NEN-EN-ISO 12100:2010 Safety of machinery - General principles for design - Risk assessment and risk reduction.
- NEN-EN-IEC 60204-1:2018, Safety of machinery - Electrical equipment of machines - Part 1: General requirements.
- NEN-EN-IEC 61000-6-3: 2007 Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission for residential, commercial and light-industrial environments

Original declaration of conformity

Translation of the original declaration of conformity

Name manufacturer	: MAGIC FX B.V.
Address	: Schouwrooij 27, 5281 RE BOXTEL
Country	: The Netherlands
CEO	: B. Veroude
Date	: 4-1-2021
Signature	



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