

TCMFX Turbo Jet



Article	: TCMFX Turbo Jet
Article Code	: TCM358
Version	: 1.0
Date	: 18-07-2017

Foreword

Thank you for purchasing the TCM_{FX} Turbo Jet.

The Confetti Maker is manufacturer of biodegradable, colorfast and fireproof confetti products and special effects.

The products we manufacture are used for various events, such as concerts, opening ceremonies, sporting events and theater show productions. With our products your party is guaranteed to be a great success.

“We create experiences”

This manual describes the TCM_{FX} Turbo Jet.

All information in this manual is important for the safe and proper functioning of the TCM_{FX} Turbo Jet.

Please read the manual carefully if you are not familiar with this device.

The Confetti Maker wishes you lots of fun with your purchase!

© Copyright 2017 the Confetti Maker FX®. This manual and its content is copyright of the Confetti Maker FX®. All rights Reserved.

No part of this manual may be reproduced or transmitted in any form or by any means including photocopying and recording without the written permission of the copyright holder.

The Confetti Maker Reserves the right to make any changes without direct knowledge of the customer.

Please contact your supplier for additional information regarding maintenance and repair.

This user manual has been written with care and attention to detail; however, should you find any errors or omissions, please contact your supplier and inform them of your findings.

Please be aware that The Confetti Maker FX® shall not be held liable by the user for any damages, losses or third party claims arising from any uses of this product.

General Safety

WARNING!

Read the manual carefully before using the TCM_{FX} Turbo Jet.
The Confetti Maker ® is not liable for injury, damage and/or excessive wear resulting from improper maintenance, improper use or modifications to the device.

If you have any questions, issues or problems that do not get discussed in this guide, please tell your supervisor or call/e-mail the technical support from The Confetti Maker®.

TCM_{FX} Turbo Jet and the manual may not be modified without permission of The Confetti Maker®.

In case of damage or problems, always consult The Confetti Maker® as soon as possible.

DECLARATION OF CONFORMITY

Manufacturer: The Confetti Maker
Product: TCM_{FX} Turbo Jet

We declare that the above products meet the following European directives and standards:

- Low Voltage Directive 2006/42/EC
- EMC Directive 2004/108/EC
- RoHS Directive 2002/95/EC



Year of Manufacturing: 2017
Name: The Confetti Maker
Place: Rotterdam
Date: 11-07-2017
Director: H. S. Maikoe

All Technical Trade Centre b.v.
Hoefvlakensingel 26
3077 SR Rotterdam
Nederland
tel. 0031 - 64 189 20 31

Specifications

Input	: Powercon / CO2
Output	: Powercon / CO2
Weight	: 9Kg
Size	: 30 x 37 x 41mm (L x W x H)
Voltage	: 230V AC 50/60Hz

Ideal environmental values

Temperature : 0 – 45 °C

Humidity : max. 75%

Keep away from:

- Dust
- Corrosive gasses
- High concentrations of organic gasses.

Using the Turbo Jet

The Turbo Jet is designed to be activated by a control panel at a distance. The smoke plumes can reach between 15 and 20 meters, depending on the humidity. When transporting the Turbo Jet preferably use a flight case.

Warning!

Do NOT aim the Turbo Jet at people or animals.

Always keep a safe distance between the Turbo Jet and the crowd of at least 3 meters.

CO₂

The Turbo Jet connects to 4 CO₂ bottles through a distribution block

Accessories

The Turbo Jet is provided with Co₂ through a hose that is connected to a gas cylinder.

The CO₂ hoses are for sale and rent in various lengths.

- 5m
- 10m
- 15m



Step 1

Attach the 4 male ends of the 3/8 hoses to 4 CO2 bottles with quick connectors.



Step 2

Connect the 4 female ends of the 3/8 hoses to the male connectors on the distribution block.



Step 3

Connect the 3/4 hose male connector to the female output connector on the distribution block.

Step 4

Connect the female end of the 3/4 hose to the male connector on the Turbo Jet.





Distribution Block 4x3/8" input to 1x 3/4" output CO2 Distribution Block

The CO2 Distribution block is designed to connect 4 CO2 Bottles to a single 3/4 Hose. The 3/4 Hose connects to the CO2 input of the Turbo Jet.



CO2 Hose 3/8

The 3/8 CO2 Hose connects the 4 CO2 bottles to the distribution block. Connect male plug to the CO2 gas bottle. Connect the female plug to the distribution block.



CO2 Hose 3/4

The 3/4 CO2 Hose Supplies the Turbo Jet with CO2. Connect the female plug to the Turbo jet and the male end of the hose to the distribution block. This hose contains a higher pressure to achieve the maximum CO2 height with the Turbo Jet.



Quick Connector

With the Quick connector a CO2 hose can easily be connected to a CO2 bottle. Screw the Black side of the Quick connector on to the CO2 bottle. Plug the other side of the connector to the male side of the CO2 hose.



Power Socket to Powercon cable

The power socket to Powercon cable is the power cable of the Turbo Jet. The power socket side connects to 230V 50-60HZ. The power connector connects to the Turbo Jet. Connect the Powercon by plugging the Powercon into the Turbo Jet and turning it clockwise until you hear a click sound.



Loop Through Cable

The function of the loop through cable is supplying multiple devices with a single power socket. Looping through the device should only be done without power. The first Turbo Jet is connected to a power socket with the power socket to Powercon cable. The second Turbo Jet is powered with the blue Powercon connector on the loop through cable. The grey side of the loop through cable connects to the grey connector on the first Turbo Jet. Connect the Powercon by plugging the Powercon into the connector on the Turbo Jet and turning it clockwise until you hear a click sound. Repeat this process for the rest of the Turbo Jets.



TCM FX-Control

The TCM FX-Control is designed to control multiple TCM products.

Connect the power socket to Powercon cable to the blue connector on the side of the FX Control.

Connect the Turbo Jet to the FX-Control with the loop through cable. Connect the blue side of the cable to the Turbo Jet and the grey side of the cable to the back side of the FX Control.

When firing the Turbo Jet first switch the key switch to unlock the panel.

Switch the safety switch to the right so the white dot is pointing upwards. When the red fire button is pushed, the Turbo Jet will activate. Turn the safety switch to the left when the Turbo Jet is not in use.

To connect multiple FX Control panels use the loop through cable. Connect the Blue side of the Powercon to the second FX-Control. Connect the grey side of the loop through cable to the grey connector on the FX-Control. Both FX-Controllers are now powered.



Ground plate XL

The TCM FX ground plate is designed to secure the Turbo Jet to the ground. The heavy ground plate ensures that the Turbo Jet won't tip when shooting CO2.

Parts



Turbojet Pipe



Turbojet Chassis

Assembly of the Turbo Jet

Step 1

Connect the Turbo Jet Pipe to the Chassis as shown in the picture.



Step 2

The angle of the pipe is adjustable in every direction.

Make sure to keep a safe distance of at least 2 meters between the Turbo Jet and the crowd.



Connecting to a Truss Construction

The Turbo Jet can be attached to a truss construction with truss clamps. Screw the bottom of the clamp to the bottom of the Turbo Jet and tighten securely. Attach the clamp to a truss construction by rotating the black handle clockwise.



Power Connection

The Turbo Jet is powered with a Powercon connection. When the Turbo Jet is powered the valve inside will open.



The Turbo Jet has a Powercon In and a Powercon Out connection. The blue Powercon connection is the power input. The grey connector is the loop through connector. By connecting a loop through to the output of the first Power Jet and the Input of the second Turbo Jet you can power multiple Power Jets to a single power socket.



Warranty

The Turbo Jet has a 3 year warranty which will be void if the Turbo Jet is handled differently than described in this manual.

When the Turbo Jet has been opened by anyone other than the Confetti Maker.

The Confetti maker is not responsible for any paint or hardware damaged as a result of rough handling.



CAUTION! Always contact your supplier in case of malfunctions.
Never try to repair the Turbo Jet yourself.



WARNING

READ THIS DOCUMENT BEFORE INSTALLING OR USING TURBO JET. IMPROPER SELECTION, IMPROPER USE, USE BY ANYONE OTHER THAN TRAINED USERS HAVING APPROPRIATE TECHNIAL EXPERTISE OF THE TURBO JET CAN CAUSE DAMAGE TO EQUIPMENT OR PROPERTY.

This document and other information from the Turbo Jet , its subsidiaries and authorized distributors together only provide product installation guidelines and product or system usage options, each of which are intended to operate in conjunction with further investigation by trained users having appropriate technical expertise to facilitate the safe handling and use of the Turbo Jet. The Turbo Jet is not intended to be used or handled by any users other tan trained users having appropriate technical expertise. The information and documentation contained in our catalog and on the website, www.theconfettimaker.com, is only provided for technical illustration purposes only and may not be used or relied upon as a statement of suitability for use in any particular application. Users, through their own analysis and testing, are solely responsible for assuring that the Turbo Jet is used in a safe and intended manner with all performance, endurance, maintenance, safety and warning requirements necessary for safe application being met.