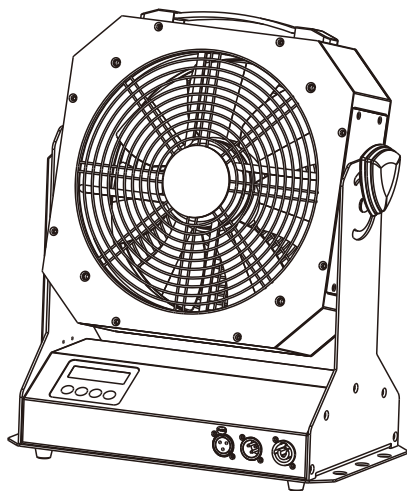# djv BY DJPOWER®

[PRO STAGE EFFECTS]
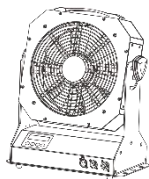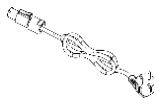
DFA-1 DMX FAN

USER MANUAL

1 BEFORE YOU BEGIN

1.1 What Is Included

DFA-1 × 1   Power Cord × 1   W-2 Wireless remote controller × 1   Warranty Car × 1

1.2 Unpacking Instructions

Carefully unpack the product and check the container to make sure all the parts are in the package and are in good condition.

If the box or the contents (the product and included accessories) appear damaged from shipping or show signs of mishandling, notify the carrier or dealer/seller immediately. In addition, please keep the box and its contents for inspection.

1.3 Symbols

Symbol	Meaning
⚠	*Caution* Critical installation, configuration, or operation information. Not following these instructions may cause malfunction or damage to the product, or cause harm to the operator.
ⓘ	*Important* Important installation or configuration information. Failure to comply with this information may keep the product from working correctly.
💬	*Information* Useful information.

1.4 Disclaimer

The information and specifications contained in this User Manual are subject to change without notice. DJPOWER assumes no responsibility or liability for any errors or omissions and reserves the right to revise or to create this manual at any time.

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1.5 Safety Notes

Please read the following Safety Notes carefully before working with the product. The notes include important safety information about installation, usage, and maintenance.

1.5.1   Personal Safety

• Always connect the product to a grounded circuit to avoid the risk of electrocution.

• **Make sure that children, unauthorized people and animals do not obtain access to the machine.**

• **Don't put anything inside the fan.**

1.5.2   Things that must be observed during installation and use

• The product is for indoor use only! Do not expose the product to rain or moisture.

• When mounting the product overhead, always use a safety cable. Please mount the product securely to a rigging point, an elevated platform or a truss.

• For adult use only. Fixture must be installed out of reach for children. Never leave the machine running unattended. Keep it away from fire, combustible, and flammable materials.

1.5.3   Power and Wiring

• Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.

• Make sure the power cord is not crimped or damaged.

• Never connect this product to a dimmer pack or rheostat.

• Never disconnect the product from power cord by pulling or tugging on the cord.

• To avoid unnecessary loss and improve its lifespan, during periods of non-use, please completely disconnect the product from the power via breaker or by unplugging it.

1.5.4   Operation

• Do not operate this product if you see damage to the housing or cables. Have the damaged parts replaced by an authorized technician at once.

• When it is working, please keep your hair away from the machine to avoid injury.

• Due to the powerful speed of the Fan, do not throw anything into it before it is started.

• Never carry the product by the power cord or any moving part. Always use the handles of the machine.

• In the event of a serious operating problem, stop using the product immediately.

• This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained, certified technicians. Do not open the housing or attempt any repairs which can lead to damage or malfunction.

Please save this manual for future use. When resell the machine, be sure to attach the instructions.

2 INTRODUCTION

2.1 Introduction

DFA-1 is a professional special auxiliary equipment. The shell adopts sturdy metal materials which are firm and durable. Adjustable wind speed, wind outlet angle 240°adjustable. Controlled by DMX-512 and wireless. It can be hung, side-mounted or suspended to meet the needs of different occasions.. Use with fog machine, DFA-1 can thin the fog and help it spread further. Used with snow machine or bubble machine, snow or bubble can spread further and higher.
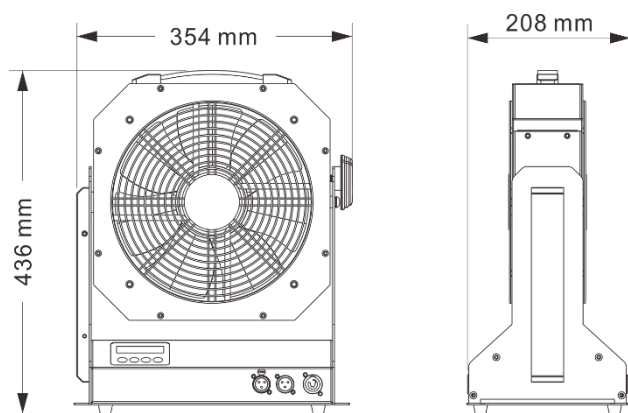
2.2 Features

• The shell adopts sturdy metal materials, firm and durable;

• Adjustable wind speed;

• Controlled by DMX-512 and wireless;

• Outlet angle 240°adjustable, can be hung, side-mounted or suspended.

2.3 Product Overview

Power out
Wireless controller
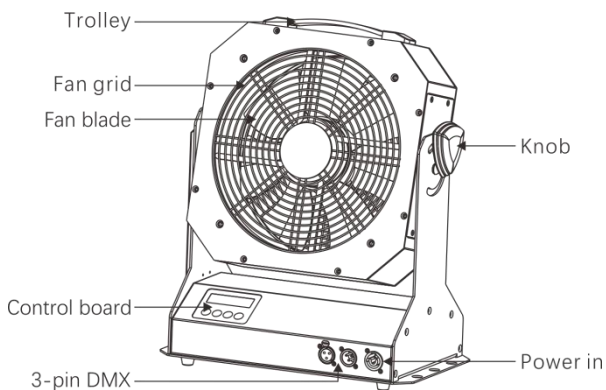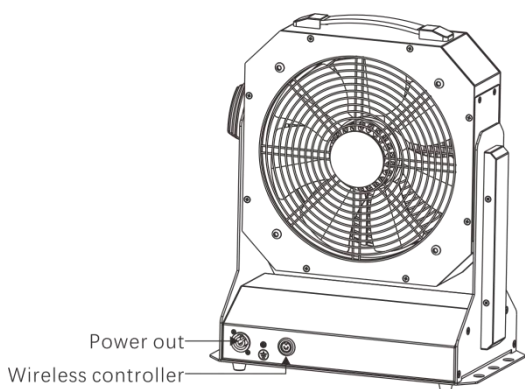
2.4 Product Dimensions

354 mm

436 mm

208 mm

3 TECHNICAL SPECIFICATIONS

AC Power	Input Voltage Ratings	AC 220–240 V, 50/60 Hz
	Fuse Current/Voltage	2 A/250 V
	Total Power Consumption	140 W
Fan	Wind angle	0–240°
	Wind speed adjustment	10 gears adjustable
	Fan speed	Appr. 2,600 r/min
Placement & Mounting	Horizontal	√
	Inclined	√
	Side lay	√
	Hang Upside Down	√

	Rigging & Trussing	√
	On-device Manual Control	LCD control board
	Wireless Control	W-2
Control	Wired Control	×
	Control Protocol	DMX512
	DMX Channel Range	1
	N.W.	9 kg
Weight & Dimensions	G.W.	10 kg
	Machine Dimensions	354 × 208 × 436 mm
	Packing Dimensions	415 × 270 × 485 mm

4 SETUP

4.1 AC Power

The machine has two kinds of voltage power supply, it can work with an input voltage of AC 220V-240V, 50/60Hz, depending on the specific model.

To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.

(i) **Always connect the product to a protected circuit (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**

⚠ **Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.**

4.2 AC Plug

The DFA-1 power input cord is terminated with a Lockable Powercon connector on one end and an EU plug on the other end (EU & China market). If the power input cord that came with your product has no plug, or if you need to change the plug, use the table below to wire the new plug:

Connection	Wire (U.S.)	Wire (Europe)
AC Live	Black	Brown
AC Neutral	White	Blue
AC Ground	Green/Yellow	Green/Yellow

4.3 DMX Linking

DFA-1 supports 3-pin connection to DMX controller, and can be connected to the same controller with other DMX-supported devices and controlled separately. This manual covers the operation connection and configuration of DMX.

4.4　Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

4.4.1　Orientation

For safety reasons, make sure the unit is well mounted through bracket and with safety cable. Also make sure that there is adequate room for ventilation, configuration, and maintenance. Please use the quick-lock hook to fix the DFA-1 when hanging upside down. You can use the rubber feet to place it on a flat surface when laid flat.

4.4.2　Rigging

DJPOWER recommends using the following general guidelines when mounting this product.

- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure or surface onto which you are mounting the product can support the product's weight (see the Technical Specifications).
- When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.
- Always use a safety cable to secure the machine to a fastening device when used suspended.

5　OPERATION

5.1　On-device Control Panel

To access the control panel functions, use the four buttons located underneath the LCD display.
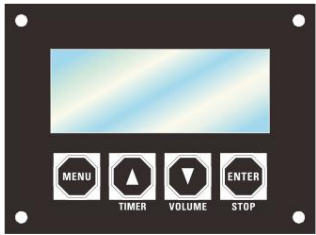
Button	Function
<MENU>	Switch menu pages to select a function
<▲>	Increases the numeric value of current function Triggers TIMER output mode
<▼>	Decreases the numeric value of current function Triggers VOLUME output mode.
<ENTER>	Save current setting and return to standby page. STOP output

5.2   On-device Control Mode & Operation

5.2.1   Programming

- Refer to the Menu Map to understand the menu options. The menu map shows the main level and a variable number of programming levels for each option.

- To go to the desired main level, press repeatedly until the option shows on the display.This will take you to the first programming level for that option.

- To select an option or value within the current programming level, press "▲" or "▼"until the option shows on the display. If there is another programming level, you will see that first option, or you will see the selected value.

- Press <MENU> repeatedly to switch menu pages.

- Press <ENTER>/<STOP> to go back to Standby Page at any time.

5.2.2   Menu Map

	Display	Description	Parameter Range
Preparing Pages	Ready to work DFA-1	Start working	
Settings Page	Wind volume 10	Press "▲" or "▼" to set wind volume	1-10. 1 is the smallest, 10 is the biggest
	DMX512 address 1	Choose DMX address	1-512
	Language English	Press language, and press ENTER to save	Chinese/ English

5.3   DMX Mode & Operation

The Machine DFA-1 works with a DMX controller.

5.3.1   DMX Mode Menu Map

While connect to DMX signal, the display will show DMX starting address, and you can press "▲" or "▼" to set DMX starting address

```
DMX512 address
             1
```
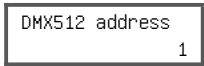
5.3.2   DMX Channel Assignments and Values

DFA-1 has one channel

Channel	Function	Value	Description

| 1	Output volume	000 - 009	OFF
		010 - 255	Wind volume grows gradually

5.4   Wireless control Mode & Operation

This mode will allow you to control the DFA-1 using the wireless controller W-2. The controller consists of a transmitter and a receiver. Any one (or more) W-2 transmitter can work with any one (or more) W-2 receiver, no paring procedure needed.

You may control up to 4 independent DFA-1 or many more if you run them simultaneously. See the below instructions on setting up your DFA-1 to operate with the W-2.
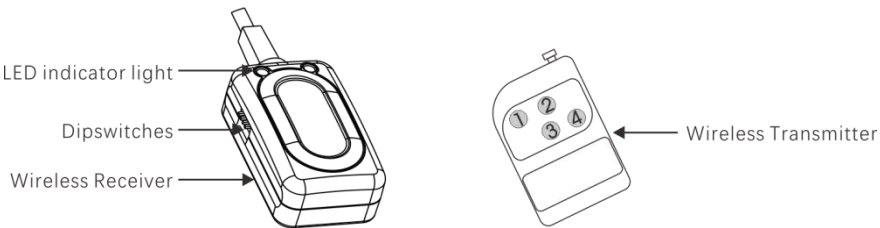

- Plug the receiver into the S5 pin port labeled as "Wireless Controller" of the DFA-1. The LED indicator will turn red when the transmitter is successfully connected. When the LED indicator is green, the transmitter is not connected.

```
Ready
DFA-1
```
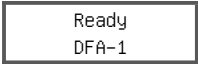
- There are 4 buttons on the wireless remote transmitter which act as triggers. Each button can be assigned to a different DFA-1. You may only choose 1 dipswitch on each receiver. See the below configuration options for setting the receivers to operate with the transmitter remote.

Mode	Dipswitches
CH1	1 = On, 2-4 = Off
CH1, CH2	1, 2 = On, 3,4 = Off
CH1, CH2, CH3	1, 2, 3 = On, 4 = Off
CH1, CH2, CH3, CH4 1, 2, 3, 4 = On	1, 2, 3, 4 = On
...	...
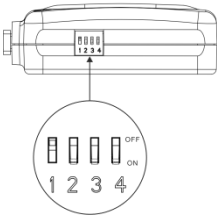
Press the button, The screen display as below:

```
Volume    10
```

Press the button again, The screen display as below:

```
Ready
```