



AF-5X/AF-5XR
Special Effects Fan
User Manual
- English
- 中文



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User Manual

1. Introduction

Please read all the user manual before operating the machine, and place the manual where the user can refer to it at all time. The manual includes how to install and operate the machine under safe condition and explain all the labels printed on the machine. If you encounter any problem, contact your local Antari dealer for assistant immediately.

2. Safety Information

 DANGER	If the danger is not avoided, it will cause death or serious injury
 WARNING	If the warning is not heeded, it can cause death or serious injury.
 CAUTION	If the precaution is not taken, it may cause minor or moderate injury.



DANGER

- Must connect the machine to the correct rated voltage or it might lead to an electrical shock or a burn and may cause serious consequences.
- Must connect the machine to a protected circuit and ensure it is properly grounded to avoid the risk of electrocution. For grounding instruction, please refer to Appendix I on page 13.
- Do not operate the machine with a bundled power cord, it could lead to a fire hazard.
- Do not use the fan in an environment full of flammable gas, susceptible to water or powder. Keep away from any fire and heat sources.
- When operating the machine, do not point at people, animals, or fire.



WARNING

- Please operate the machine on a flat, level hard and well ventilated surface area, reserve at least 50cm space around the machine and make sure there is no flammable gas or material nearby.
- Do not disassemble, repair or modify the machine, it may cause damages, malfunction, risk of electrical shock or result in fire.
- The machine can only be operated by adults or professionals, is not intended for use by person with reduced physical sensory, mental capabilities, or lack of experience and knowledge including children.
- Do not leave the machine running unattended, make sure all powers are off when leaving.
- Children should be supervised to ensure that they do not play with the machine.
- Do not use the machine upside down or tilt it, it might cause damages or malfunction.
- Never allow any object or part of your body to enter path of the fan blades to prevent any injury or damages
- Do not spray the fan with any liquid including cleaner and insecticide to avoid injury or damages.



CAUTION

- Keep the machine dry at all time. The machine is not waterproof, do not expose the machine to water, rain, or moisture environment.
- Please make sure the power outlet is not damaged or loose before plug in the power cord.
- If the power cord is damaged, it must be replaced by Antari or its local dealers, otherwise the warranty will be void.

- The machine is for indoor use only.
- Do not operate the machine in any area with unstable voltage.
- If you experience strange sound or malfunction, turn off the power and unplug the power cord immediately and contact your local Antari dealer for assistant.
- Do not contact any moving part.
- Only use accessories recommended or sold by Antari.
- Please make sure the power is off when not using the machine and unplug the power cord if not intend to use for a long period of time.
- To disconnect, turn all controls to the off position, then remove plug from outlet.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Unplug from outlet before servicing or cleaning.
- Ensure that curtain, clothing, cables or other items cannot be suck into the fan.
- Do not operate the machine with a damaged cord or plug, or after the machine malfunctions or is dropped or damaged in any manner. Return machine to the nearest authorized service facility for examination, repair, or electrical or mechanical adjustment.
- After a period of operation, abnormal noise and uneven air volume may appear because of dust blocking airflow. It will disappear after cleaning the air inlet and outlet.

Before operating the machine, please read all warning labels on the machine, description as below:

WARNING!

1. Operate fan only with adult supervision.
2. Keep hands off and do not insert anything into the fan.
3. The fan is not water-resistant. Avoid water splash.

3. Package Contents & Inspection

Immediately upon receiving the machine, carefully unpack the carton, check the content to ensure it is the correct model and all parts are included. If any part appears to be damaged or missing during transportation, please contact your local dealer and return with original package for inspection.

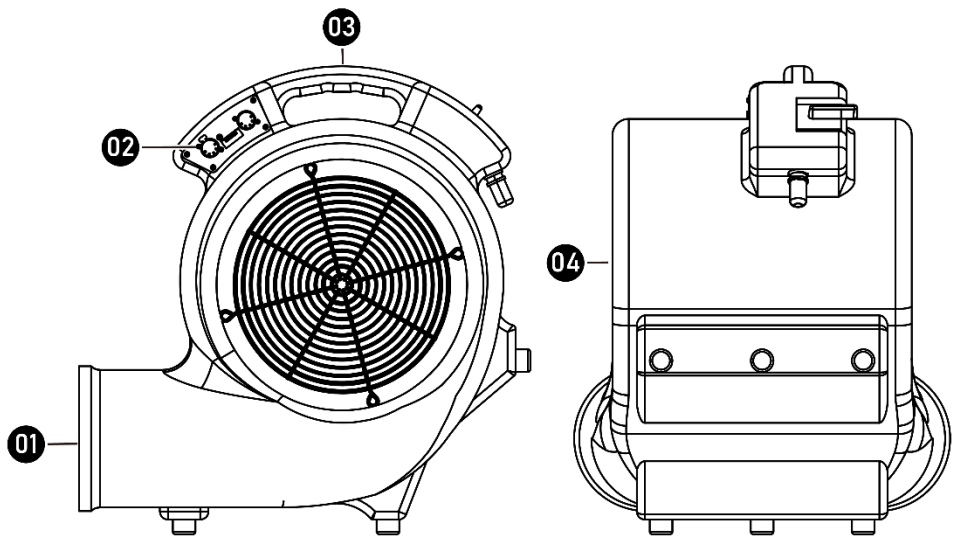
3.1 Package Contents

AF-5X	AF-5XR
1 x AF-5 Special Effects Fan	1 x AF-5XR Special Effects Fan
1 x User Manual or Scan QR Code on the Machine	1 x WTR-10 Wireless Remote
	1 x User Manual or Scan QR Code on the Machine

3.2 Optional Accessories

Item Code	Description
WTR-10	Wireless Remote (W-1 Transmitter/W-1 Receiver)
AF-5X-HB	Hanging Bracket

4. Machine Details



01. Air Outlet	03. Handle
02. XLR 5-Pin DMX	04. Air Inlet

5. Technical Label Information

Please read the technical label information on the back of the machine before operating it.

A photograph of the technical label on the back of the machine. The label is black with white and red text. It features the 'Antari' logo at the top, followed by 'ANTARI FOG MACHINE' and 'AF-Sx'. Below this, there are two sections for technical specifications: one for AC 100V-120V and another for AC 220V-240V. Each section lists Horsepower, Frequency, Fuse, and Nominal Power Consumption. At the bottom, there are safety warnings, a QR code, and a 'MACHINE ID' field. Numbered callouts 01 through 06 point to specific parts of the label: 01 points to the Horsepower section, 02 to the Frequency section, 03 to the Fuse section, 04 to the Nominal Power Consumption section, 05 to the Serial No. field, and 06 to the QR code.

1. Horsepower	4. Nominal Power Consumption
2. Frequency	5. Serial No.
3. Fuse	6. QR CODE for User Manual

6. Setting and Manual Operation

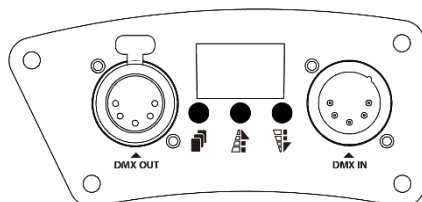
- Step 1.
- Place the machine on a flat, level hard and well ventilated surface area and reserve at least 50cm open space around the machine, and make sure there is no flammable gas or material nearby;
- Step 2.
- Plug the machine to the power outlet. Please read the technical label on the back of the machine and make sure the power outlet has the correct rated voltage for the machine;
- Step 3.
- Turn on the power. To start, turn the rotary switch from 1-3 will give you low, medium, high fan speed. To stop, turn the rotary switch to 0.
- Step 4.
- To turn off the power, please make sure the machine is not operating. If you will not use the machine a long period of time, please unplug the power cord.

7. Control Settings

AF-5X/AF-5XR Special Effects Fan can be operated in the following modes. The machine can only accept 1 type of signal at a time. When using different control modes at the same time, the machine will work according to built-in control priority:

- Manual
- DMX512
- Wireless

7.1 Control Panel Description



AF-5X/AF-5XR Special Effect Fan can be operated with the onboard digital control interface.

Button	Operating Method	Action
MENU	Press	Scroll through menu
UP/DOWN	Press	Up/Down; Increase/Decrease Value

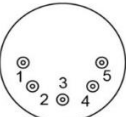
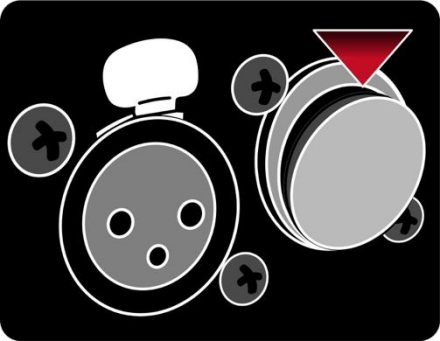
7.2 Menu Options Description

Options	Description
	Set DMX Address from 1-512
	Turn On/Off Display Auto Shut Off
	Turn On/Off Manual Fan Speed Control
	Show Software Version

8. DMX Connection

8.1 DMX Connector Pin Assignment

The machine has a XLR 5-Pin for DMX connection. The diagram below indicates pin assignment information.

 5 Pin XLR <table><tr><th>Pin</th><th>Function</th></tr><tr><td>1</td><td>Ground</td></tr><tr><td>2</td><td>Data-</td></tr><tr><td>3</td><td>Data+</td></tr><tr><td>4</td><td>NA</td></tr><tr><td>5</td><td>NA</td></tr></table>		Pin	Function	1	Ground	2	Data-	3	Data+	4	NA	5	NA	** There is a protection cap on DMX IN, please remove it with your finger before operation. 
Pin	Function													
1	Ground													
2	Data-													
3	Data+													
4	NA													
5	NA													

8.2 DMX Setting

Channel Mode	Channel	DMX Value Range	Function
1	1	0 – 9	Fan Off
		10 – 89	Low Speed
		90 – 169	Medium Speed
		170 – 255	High Speed

9. RDM Function

The AF-5X/AF-5XR stage effects fan is RDM enabled. Press and hold [MENU] and [DOWN] button simultaneously, then power up the machine. The LCD screen will show **888** and flash 3 times, now you can enter RDM UID value from 1 to 999.

10. W-1 Wireless Transmitter (Optional)

W-1 Wireless Remote is an optional accessory for AF-5X Special Effects Fan. If you already purchased the wireless model, it's ready to use. If you purchase the W-1 Wireless Remote afterwards, please follow the instruction below. If you encounter any problem, please contact your local Antari dealer for assistant.

10.1 W-1 Wireless Transmitter

- Battery : 27A 12V
- Effective Range : The effective range is approximately 50m, depends on actual condition, it may vary.
- W-1 wireless transmitter has 2 buttons, each function as follow:

Button	Function
[A]	Start
[B]	Stop



W-1 Wireless Transmitter

10.2 Pairing

Each receiver can pair up to 5 transmitters, please follow the steps below to pair;

- Step 1.** When the fan is powered on, the LCD screen on the control panel will show **888** for about 15 seconds. Within this period, press button A on the W-1 transmitter to pair with the machine. When screen shows **888**, means it's paired;
- Step 2.** Please repeat Step 1 to pair multiple transmitters;

11. Service and Maintenance



DANGER!

Disconnect the power cord before starting maintenance operation!

- Always keep the machine clean.
- Can use an air compressor, a vacuum or a soft brush to remove the dust on the machine.
- Can use a slightly damp cloth to clean the casing.
- Before store the machine, please make sure the machine is completely cool down to avoid moisture inside the machine causing malfunction.
- It is recommended to run the machine at least once a month in order to maintain its best performance and output condition.
- Excessive dust will reduce the performance and cause overheat.

Fuse Specification

120V=T2.0A 250V

240V=T1.0A 250V

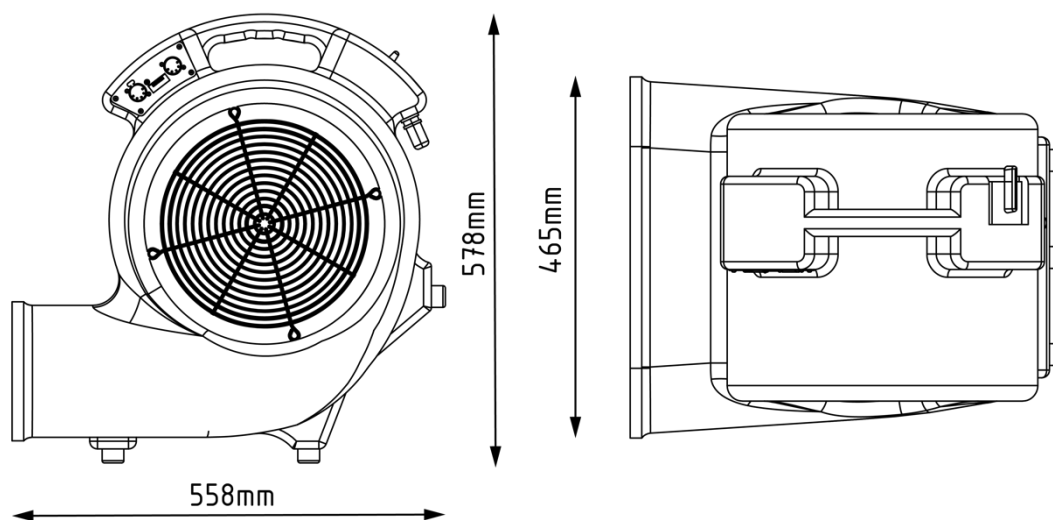
12. Technical Specifications

AF-5X/AF-5XR	
Rated Voltage	US Model : AC 100-120V, 50/60Hz 13A EU Model : AC 220-240V, 50/60Hz 7.5A
Rated Power	1600W
Ambient Temp. Range	0°C – 40°C (32°F – 104°F)
Air Flow	1743 CFM (High) 、1567 CFM (Medium) 、1351 CFM (Low)
Fan Speed	1242 – 1480 rpm (AC 110V/60Hz) 、1175 – 1289 rpm (AC 220V/60Hz)
Noise Level	68.5 dB (Max. Output)
Housing Material	Flame Retardant Plastic (PE9731)
Control Methods	Manual 、DMX512 、Wireless (Optional)
Interface	XLR 5-Pin (DMX)
DMX Channel	1 Channel
Included Accessories	N/A
Optional Accessories	Hanging Bracket 、W-1Wireless Transmitter
Dimension	L 558 W 465 H 578 mm (L 21.97 W 18.31 H 22.76 inch)
Weight	17.50 kg (38.58 lbs.)

13. Warranty Disclaimer

We guarantee the merchandise manufactured by us to be free from defect in material and workmanship for a period of one year. Our obligation and liability under this warranty shall be restricted to repair or replacement at our factory or local authorized dealer. We assume no liability of the products that are improperly used or used for any purpose other than that for which they are specially designed. This warranty shall not apply to any merchandise which has been repaired, altered or assembled outside our factory in any way so as in our judgment to affect its performance, nor which has been subjected to misuse, negligence, or accident nor to any merchandise operated contrary to our printed instructions. We will not allow or be liable of any loss or any damages of any kind in connection with the use, sale, or repair of any merchandise purchased from us.

14. Machine Dimension



Appendix I - Grounding Instruction

This appliance must be grounded. In the event of malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

DANGER – Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal. Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This appliance is for use on a nominal 120 V circuit, and has a grounding plug that looks like the plug illustrated in sketch A in Figure. A temporary adaptor, which looks like the adaptor illustrated in sketches B and C, may be used to connect this plug to a 2-pole receptacle as shown in sketch B if a properly grounded outlet is not available. The temporary adaptor should be used only until a properly grounded outlet can be installed by a qualified electrician. The green colored rigid ear, lug, and the like, extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by the metal screw.

