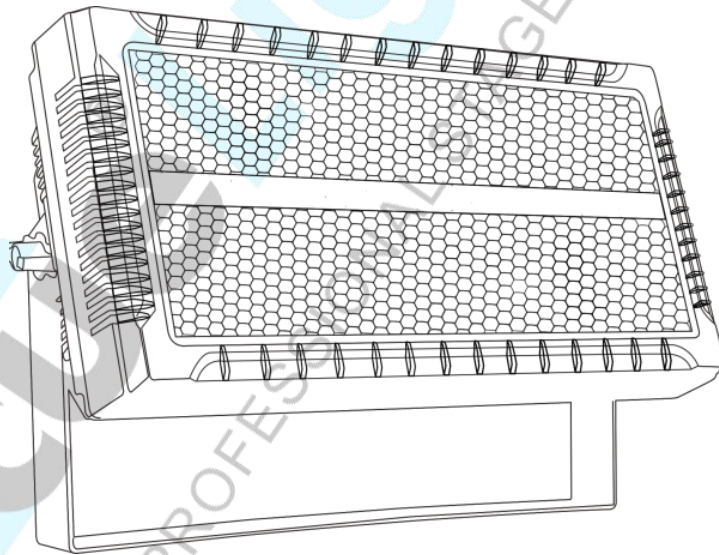


# Acue<sup>®</sup>Lighting

PROFESSIONAL STAGE LIGHTING

## **STORM PIX 450**



**USER MANUAL**

## **1. INTRODUCTION**

Thank you for choosing the Acue Lighting Storm Pix 450. To use this product correctly and safely, please read the instructions carefully before installing and using this product. This manual contains important installation and operation information. Make sure to strictly follow the instructions when installing and operating this product. Retain this manual in a safe place for future reference.

The Storm Pix 450 uses a high-temperature aluminum/metal frame with hard plastic covers and is IP20 rated. IP20 is a classification given to devices that are designed mostly for indoor use in cool dry areas. This product is designed and produced in strict accordance with CE standards and conforms to the international standard of DMX512 signal protocol. It can be controlled manually from the display or by DMX using the built in 3-pin XLR in/out connectors. This fixture is suitable for various types of indoor concerts, indoor events, indoor installations, and other like environments.

## **2. SAFETY INSTRUCTIONS**

- Please keep this User Manual for future reference. All users of this fixture must read the user manual thoroughly.
- Unpack and check contents carefully to make sure there is no damage caused by shipping before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- It's important to properly ground the fixture to avoid electric shock.
- The unit is designed for indoor use. It is alright to use outdoors temporarily but not when moisture is present. Do not point fixture directly into sunlight. Make sure main power connector is connected to an outlet that is not near liquids or moisture.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect main power before moving fixture.
- Make sure there are no flammable materials close to the unit while operating, as it is fire hazard.
- Use safety cable when mounting this unit.
- Do not connect this product to power dimmers.

- Max ambient operating temperature is 40°C. Do not operate if the temperature is higher than this.
- Unit surface temperature may reach up to 85°C. Do not touch the housing bare-handed during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or servicing.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled individuals can lead to further damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type of parts.

### **3. Maintenance and Installation**

#### **3.1 Maintenance**

- To reduce the risk of electrical shock or fire, do not expose the power cable connector of this unit to rain or moisture.
- Intermittent usage will extend this fixtures service life.
- Please clear the fan, fan filter, and optical lens of any dust or obstructions in order to keep the fixture in a proper working state.
- Do not use alcohol or any other organic solvent to wipe the shell.

#### **3.2 Statement**

All fixtures have been tested thoroughly before leaving the factory. In order to keep the product in good condition and ensure safe operation, users should follow the safety precautions and warnings in this manual.

**Important: Damages caused by not following the guidelines in this user manual are not covered under warranty. The manufacturer is not responsible for product issues caused by misuse.**

#### **3.3 Safety Precautions**

- In order to guarantee the product's life expectancy, do not store or use in environments over 60°C.
- Always mount this unit in a safe and stable manner. Mounting system must be able to withstand 10x that of the fixture's weight. A safety cable must always be used as a secondary source for securing the fixture.
- Installation of this fixture may only be carried out by skilled individuals.

- This product can be used in the voltage range of 90-240V and is an indoor rated product. Please make sure that the power mains voltage used is not higher/or lower than what the product can withstand! The power plug must be inserted into a protected Class I socket and must be grounded properly.
- In order to make sure the product is used properly, please read this manual carefully.

### **3.4 Cable connection (DMX)**

Make sure to use a cable conforming to specifications EIA RS-485: 2-pole twisted, shielded, 120Ohm characteristic impedance, 22-24 AWG, Low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 3-pin/5-pin male/female connectors. A terminating plug must be inserted into the last fixture with a resistance of 120 Ohm (minimum 1/4 W) between terminals 2 and 3.

**IMPORTANT:** The wires must not make contact with each other or with the metal casing of the connectors. The casing itself must be connected to the ground of the connector plugs.

## **4. Display Operation**

The Storm Pix 450 comes equipped with an LCD display which controls all the functions of the fixture. There are 4 control buttons also built-in for easier navigation through the display functions.

MODE	Used to change the menu functions
Enter	Used to go confirm menu function selection or enter desired menu when selected
UP	Used to navigate through menu functions
DOWN	Used to navigate down through menu functions

### **4.1 Menu Navigation**

Press "MENU" to access the sub-menu. There are 10 sub-pages which control/show different functions or options. (see Table below)

<u>Menu Options</u>	<u>Sub-Menu Options</u>	<u>Description</u>
DMX Address	A001- A512	Select desired DMX address
Run Mode	DMX512	Use in DMX Mode
	Auto	Auto mode selection AUTO 0-20 Auto mode speed SP 01-99
Chan Mode	6 ch	Sets fixture in 6 channel mode
	16 ch	Sets fixture in 16 channel mode
	126 ch	Sets fixture in 126 channel mode
Display	Display Sleep	Light (always on)
		1 Min (sleep after 1 min)
	MenuBak	1 Min (turns off after 1 min)
		2 Min (turns off after 2 min)
		3 Min (turns off after 3 min)
Light Flash	Off	
	On	
Balance	AllSw	Off/On
	Red	0-255
	Green	0-255
	Blue	0-255
	White	0-255
Default	On/Off	Restore defaults
DMXClea	On/Off	Blackout when DMX signal is lost
Manual	Dimmer	0-255
	Strobe	0-255
	Red	0-255
	Green	0-255
	Blue	0-255
	White	0-255
Info	Run Time	Total hours 0000-9999
	Temperature	Internal temperature readout
	DisVers	Software version number Vx.xx

## **5. DMX Channel Charts**

<u>6Ch</u>	<u>Function</u>	<u>Value</u>	<u>Description</u>
1	Master Dimmer	000-255 0%-100%	From dark to bright
2	Strobe	000-255 0%-100%	From slow to fast
3	Red	000-255 0%-100%	From dark to bright
4	Green	000-255 0%-100%	From dark to bright
5	Blue	000-255 0%-100%	From dark to bright
6	White	000-255 0%-100%	From dark to bright

<b>16Ch</b>	<b>Function</b>	<b>Value</b>	<b>Description</b>
1	Master Dimmer	000-255 0%-100%	From dark to bright
2	Yellow	000-255 0%-100%	From dark to bright
3	Red	000-255 0%-100%	From dark to bright
4	Green	000-255 0%-100%	From dark to bright
5	Blue	000-255 0%-100%	From dark to bright
6	White	000-255 0%-100%	From dark to bright
7	Strobe (W)	000-255 0%-100%	From slow to fast
8	Flashing Effect (W)	000-255 0%-100%	White ch flash effect selection
9	Flashing (RGB)	000-255 0%-100%	RGB ch flash effect selection
10	Running Effect (W)	000-255 0%-100%	White ch running effect selection
11	Speed (W)	000-255 0%-100%	White ch running effect speed
12	Running Effect (RGB)	000-255 0%-100%	RGB ch running effect selection
13	Speed (RGB)	000-255 0%-100%	RGB ch running effect speed
14	RGB Macro	000-255 0%-100%	Built in Macro option selection
15	Backlight (RGB)	000-255 0%-100%	Backlight color selection
16	Direction	000-255 0%-100%	R to L or L to R direction select

<b>126Ch</b>	<b>Function</b>	<b>Value</b>	<b>Description</b>
1	Red 1	000-255 0%-100%	From dark to bright
2	Green 1	000-255 0%-100%	From dark to bright
3	Blue 1	000-255 0%-100%	From dark to bright
4	Red 2	000-255 0%-100%	From dark to bright
5	Green 2	000-255 0%-100%	From dark to bright
6	Blue 2	000-255 0%-100%	From dark to bright
7	Red 3	000-255 0%-100%	From dark to bright
8	Green 3	000-255 0%-100%	From dark to bright
9	Blue 3	000-255 0%-100%	From dark to bright
10	Red 4	000-255 0%-100%	From dark to bright
11	Green 4	000-255 0%-100%	From dark to bright

12	Blue 4	000-255 0%-100%	From dark to bright
13	Red 5	000-255 0%-100%	From dark to bright
14	Green 5	000-255 0%-100%	From dark to bright
15	Blue 5	000-255 0%-100%	From dark to bright
16	Red 6	000-255 0%-100%	From dark to bright
17	Green 6	000-255 0%-100%	From dark to bright
18	Blue 6	000-255 0%-100%	From dark to bright
19	Red 7	000-255 0%-100%	From dark to bright
20	Green 7	000-255 0%-100%	From dark to bright
21	Blue 7	000-255 0%-100%	From dark to bright
22	Red 8	000-255 0%-100%	From dark to bright
23	Green 8	000-255 0%-100%	From dark to bright
24	Blue 8	000-255 0%-100%	From dark to bright
25	Red 9	000-255 0%-100%	From dark to bright
26	Green 9	000-255 0%-100%	From dark to bright
27	Blue 9	000-255 0%-100%	From dark to bright
28	Red 10	000-255 0%-100%	From dark to bright
29	Green 10	000-255 0%-100%	From dark to bright
30	Blue 10	000-255 0%-100%	From dark to bright
//	//	//	//
118	Red 40	000-255 0%-100%	From dark to bright
119	Green 40	000-255 0%-100%	From dark to bright
120	Blue 40	000-255 0%-100%	From dark to bright
121	White 1	000-255 0%-100%	From dark to bright
122	White 2	000-255 0%-100%	From dark to bright
123	White 3	000-255 0%-100%	From dark to bright
124	White 4	000-255 0%-100%	From dark to bright
125	White 5	000-255 0%-100%	From dark to bright
126	White 6	000-255 0%-100%	From dark to bright

## **6. Technical Specifications**

- **Input Voltage:** AC 110V-240V 50/60HZ
- **Light Source:** 96 x 4W Cool White LEDs, 120x0.5W RGB LEDs
- **Operation Modes:** DMX512, Auto program, Sound Active, & Master-Slave
- **Max Power Draw:** 450W
- **Power Link Between Fixtures:** Up to 4 units can be daisy-chained together
- **Dimmer:** 0-100% linear dimming control, flicker free operation, 10 KHz dimming refresh rate
- **Strobe:** 0-30Hz, synchronized, pulse effects
- **Cooling:** Temperature Controlled Intelligent Cooling System w/ silent fan
- **DMX Channels:** 6, 16, 126 DMX Channel
- **Data connection:** 3-pin XLR input/output
- **Display:** LCD display w/ 4 control buttons
- **IP Rating:** IP20 rated
- **Fixture Lifetime:** ≥ 50,000 Hours
- **Weight:** 9.5 lb
- **Size:** 18.1" x 8.6" x 4.9"

## **7. Warranty**

This product carries a 1-year manufacturer's warranty which covers factory defects or internal issues not caused by the owner/operator of the fixture. Misuse, physical damage, or any other issues caused by misuse by the customer are not covered under manufacturer's warranty. All warranty claims must be handled directly through the manufacturer and not the dealer. Original sales receipt required for all warranty claims. Submit all claims to [Info@Acuelighting.com](mailto:Info@Acuelighting.com).

For more information about this product as well as all our other products please visit:

[www.AcueLighting.com](http://www.AcueLighting.com)

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