

Acue[®] PRO

BLAZE 350 IP



USER MANUAL

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Acue[®]Lighting

PROFESSIONAL STAGE LIGHTING



PLEASE READ INSTRUCTIONS CAREFULLY BEFORE USE

WARNING

1. INTRODUCTION

Thank you for choosing the Acue Pro Blaze 350 IP. 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 Blaze 350 IP uses a high-temperature resistant aluminum/metal body and is IP65 rated. IP65 is a classification given to devices that are designed mostly for outdoor use in various moist or wet environments. 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/outdoor concerts, indoor/outdoor events, indoor/outdoor 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/outdoor use. It is alright to use outdoors even 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 serving.
- 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 net, 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 Precaution

- 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, 120 Ohm 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



1. Display	Used to show the various menus and the selected function	
2. Buttons	MENU	Enter into / move backward or leave the menu
	^ UP	Go backward / move up in the menu
	∨ DOWN	Go forward / move down in the menu
	ENTER	Perform the selected function / Save
3. FUSE		
4. POWER IN	To connect to supply power	
5. POWER OUT	To connect to the next fixture	
6. DMX OUT	For DMX512 link, use 3-pin XLR cable to link the next units to output DMX signal (5-pin XLR cable is optional)	
7. DMX IN	For DMX512 link, use 3-pin XLR cable to link the unit and DMX controller to input DMX signal (5-pin XLR cable is optional)	

4. 1 Main Functions

- ◆ To access the control menus, press the [MENU] button.
- ◆ Navigate the menu structure, using the [ENTER], [^ UP] and [√ DOWN] buttons.
- ◆ To select a menu option or to confirm a selection, press the [ENTER] button. 4 To return to a higher level in the menu structure without making a change, press the [MENU] button, or wait 30 seconds.

The screen will automatically lock if there is no operation for a long time, and can be unlocked by long-pressing [MENU] button.

MENU	SUBMENU	OPTIONS	
DMX Address	001-512		
Channel	1CH Dimmer 2CH Dimmer & CCT 3CH Dim/Strb/CCT 4CH IRGB 6CH Raw Color 7CH Dim/CCT/Clr 14CH Standard 21CH Extended 10CH RGB 15CH RGB Extended 10CH CMY 15CH CMY Extended 22CH Standard 29CH Extended 18CH RGB 23CH RGB Extended 18CH CMY 23CH CMY Extended		
Personality	No DMX	Hold	
		Blackout	
	Dimmer Curve	Linear	
		Exponential	
		Logarithmic	
		S-Curve	
	Dimmer Response	Standard	
		Stage	
		TV	
		Architectural	
		Theatre	
		Stage 2	
		0s	
		0.1s	
		0.2s	
		0.3s	
		0.4s	
		0.5s	

		0.6s	
		0.7s	
		0.8s	
		0.9s	
		1.0s	
		...	
		10s	
	DTW Switch	OFF/ON	
	FAN set	Auto	
		Silent	
	Power Set	Max power	
		Full Power	
		Half Power	
	Display	Back. L	ON/60s/120s/300s
		Rotate	Normal/180
		Menu lock	OFF/ON
		Language	English
	Master	OFF/ON	
	Default	No/Yes	
Stand Alone	Manual	Dimmer	0 - 255
		Red	0 - 255
		Green	0 - 255
		Blue	0 - 255
		Lime	0 - 255
		Amber	0 - 255
		White	0 - 255
		Strobe	0 - 255
		Color Macro	0 - 255
	CCT	Dimmer	0 - 255
		CCT	2700K- 10000K
	Auto	Effect	0 - 255
		Speed	0 - 255
		Dimmer	0 - 255
		Strobe	0 - 255
Information	On time	xxxxxH	
	LED Hours	xxxxxH	
	Version	V.XX	
	Temperature	`C	
	RDM UID	xxx	

DMX Set

Enter the control menu and select DMX Setting, press ENTER. Use the UP/DOWN button to select DMX Address.

Channel Mode Selection

Select **DMX Address**, press ENTER.

Use UP/DOWN button to select an address, confirm your selection with ENTER.

CHANNEL MODE	DMX ADDRESS
1CH Dimmer	1-512
2CH Dimmer&CCT	1-511
3CH Dim/Strb/CCT	1-510
4CH IRGB	1-499
6CH Raw Color	1-497
7CH Dim/CCT/Cir	1-496
14CH Standard	1-499
21CH Extended	1-492
10CH RGB	1-503
10 RGB Extend	1-503
15CH CMY	1-498
15CH CMY Extend	1-498
22CH Standard	1-491
29CH Extended	1-484
18CH RGB	1-493
23CH RGB Extend	1-490
18CH CMY	1-493
23CH CMY Extend	1-490

To exit the menu, press Menu.

Connect Option

Select Connect Option, press ENTER.

Use UP/DOWN button to select Auto, DMX, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Channel Mode

Select Channel Mode, press ENTER.

Use UP/DOWN button to select between 1, 2, 3, 4, 6, 7, 22, 29, 18 RGB, 23 RGB, 18 CMY, 23 CMY Channel modes, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Dimmer Speed

Select Dimmer Speed, press ENTER.

Use UP/DOWN button to select Fast or Smooth, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Language

Select Language, press ENTER.

Use UP/DOWN button to select English or Chinese, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Manual Test

Select Manual Test, press ENTER.

Use UP/DOWN button to select Red, Green, Blue, White, Intensity, Duration or Rate, confirm your selection with ENTER.

Use UP/DOWN button to select a value between 0 and 255, confirm your selection with ENTER.

To exit the menu, press MENU, or wait 30 seconds.

Auto

Select Program, press ENTER.

The device immediately performs an automatic self-test.

To end the automatic self-test and exit the menu, press MENU, or wait 30 seconds.

Temperature

Select Temperature, press ENTER.
The device temperature is displayed.
To exit the menu, press MENU, or wait 30 seconds.

On Time

Select On Time, press ENTER.
The operating hours is displayed.
To exit the menu, press MENU, or wait 30 seconds.

RDM UID

Select RDM UID, press ENTER.
The RDM UID is displayed.
To exit the menu, press MENU, or wait 30 seconds.

Software Version

Select Software Version, press ENTER.
The firmware version is displayed.
To exit the menu, press MENU, or wait 30 seconds.

Factory Reset

Select Factory Reset, press ENTER.
If you wish to reset the device to the factory settings, select Yes.
If you do not wish to reset anything, select No. Confirm your selection with ENTER.

5. DMX Channel Charts

1CH	2CH	3CH	4CH	6CH	7CH	22CH	29CH	RGB 18CH	RGB 23CH	CMY 18CH	CMY 23CH	Value	Function
1	1	1	1	1	1	1	1	1	1	1	1	0-255	Dimmer
													Intensity 0 → 100%
					2	2	2	2	2	2	2	0-255	Dimmer fine
													Fine intensity Control
													Shutter / Strobe
												0-31	Shutter closed
												32-63	No Function (Shutter open)
												64-95	Strobe effect slow to fast
		2			3	3	3	3	3	3	3	96-127	No function (Shutter open)
												128-159	Pulse-effect in sequences
												160-191	No function (Shutter open)
												192-223	Random strobe slow to fast
												224-255	No function (Shutter open)
			2	1		4	4	4	4			0 - 255	Red
													0 → 100%
							5		5			0 - 255	Red Fine
													Fine Adjustment
			3	2		5	6	5	6			0 - 255	Green
													0 → 100%
							7		7			0 - 255	Green Fine
													Fine Adjustment
			4	3		6	8	6	8			0 - 255	Blue
													0 → 100%
							9		9			0 - 255	Blue Fine
													Fine Adjustment
				4		7	10					0 - 255	Lime
													0 → 100%
							11					0 - 255	Lime Fine

													Fine Adjustment
				5		8	12					0 - 255	Amber
													0 → 100%
							13					0 - 255	Amber Fine
													Fine Adjustment
				6		9	14					0 - 255	White
													0 → 100%
							15					0 - 255	White Fine
													Fine Adjustment
									4	4		0 - 255	Cyan
													0 → 100%
										5		0 - 255	Cyan Fine
													Fine Adjustment
									5	6		0 - 255	Magenta
													0 → 100%
										7		0 - 255	Magenta Fine
													Fine Adjustment
									6	8		0 - 255	Yellow
													0 → 100%
										9		0 - 255	Yellow Fine
													Fine Adjustment
2	3			4	10		7		7				CCT Presets
												0-17	Open
												18-85	1800K – 8500K
												85-266	8500K
													Variable CCT
							16		10		10	0-17	Open
												18-255	1800K – 8500K
							17		11		11	0 - 255	Variable CCT Fine
													Fine Adjustment
					5	11	18	8	12	8	12		Green Shift
												0	Idle

												1-127	Full Minus Green to Neutral
												128	Neutral White
												129-159	Neutral to Full Plus Green
												0	Open
												1-179	Virtual Swatch Book
													Color Scroll
												180-201	Clockwise Fast to Slow
												202-207	Stop
												208-229	Counter-clockwise Slow to Fast
					6	12	19	9	13	9	13	230-234	Open
													Random Slots
												235-239	Fast
												240-244	Medium
												245-249	Slow
												250-255	Open
													Dim Modes
												0-20	Standard
												21-40	Stage
												41-60	TV
												61-80	Architectural
												81-100	Theatre
												101-120	Stage 2
													Dimmer Delay Time
												121	0s
												122	0.1s
												123	0.2s
												...	...
												141	10s
												142-149	Idle
													Dim to Warm
												150-154	DTW On
												155-159	DTW Off

												160-255	Idle
													Control
												0-24	Idle
												25-34	Blinder Output mode
												35-44	Constant Output mode
												45-99	Idle
													Refresh Rate (Hz)
												100	900
												101	910
												102	920
												...	...
					7	14	21	10	15	10	15	168	25000
												169-172	Idle
												173-174	Color Tuning
												175-176	Idle
												177-178	Highest Fidelity
												179-180	Balanced output and fidelity
												181-200	Output balance
												201-210	Dimmer Curve : Linear(Default)
												211-220	Square
												221-230	Inverse Square
												231-240	S-Curve
												241-255	Idle
						15	22	11	16	11	16	000-255	GLOW Dimmer
						16	23	12	17	12	17	000-255	GLOW RED
						17	24	13	18	13	18	000-255	GLOW GREEN
						18	25	14	19	14	19	000-255	GLOW BLUE
						19	26	15	20	15	20	000-255	GLOW SHUTTER
						20	27	16	21	16	21	000-255	GLOW Effect
						21	28	17	22	17	22	000-255	GLOW Effect Speed
						22	29	18	23	18	23	000-255	GLOW Fade

14CH Standard	21CH Extend	RGB 10CH	RGB Extend 15CH	CMY 10CH	CMY Extend 15CH	Value	Function
1	1	1	1	1	1	0-255	Dimmer
							Intensity 0 → 100%
2	2	2	2	2	2	0-255	Dimmer fine
							Fine intensity Control
3	3	3	3	3	3		Shutter / Strobe
						0-31	Shutter closed
						32-63	No Function (Shutter open)
						64-95	Strobe effect slow to fast
						96-127	No function (Shutter open)
						128-159	Pulse-effect in sequences
						160-191	No function (Shutter open)
						192-223	Random strobe effect slow to fast
						224-255	No function (Shutter open)
4	4	4	4			0 - 255	Red
							0 → 100%
	5		5			0 - 255	Red Fine
							Fine Adjustment
5	6	5	6			0 - 255	Green
							0 → 100%
	7		7			0 - 255	Green Fine
							Fine Adjustment
6	8	6	8			0 - 255	Blue
							0 → 100%
	9		9			0 - 255	Blue Fine
							Fine Adjustment
7	10					0 - 255	Lime
							0 → 100%
	11					0 - 255	Lime Fine
							Fine Adjustment

8	12					0 - 255	Amber
							0 → 100%
	13					0 - 255	Amber Fine
							Fine Adjustment
9	14					0 - 255	White
							0 → 100%
	15					0 - 255	White Fine
							Fine Adjustment
				4	4	0 - 255	Cyan
							0 → 100%
					5	0 - 255	Cyan Fine
							Fine Adjustment
				5	6	0 - 255	Magenta
							0 → 100%
					7	0 - 255	Magenta Fine
							Fine Adjustment
				6	8	0 - 255	Yellow
							0 → 100%
					9	0 - 255	Yellow Fine
							Fine Adjustment
10		7		7			CCT Presets
						0-17	Open
						18-85	1800K – 8500K
						85-266	8500K
	16		10		10		Variable CCT
						0-17	Open
						18-255	1800K – 8500K
	17		11		11	0 - 255	Variable CCT Fine
							Fine Adjustment
11	18	8	12	8	12		Green Shift
						0	Idle
						1-127	Full Minus Green to Neutral

						128	Neutral White
						129-159	Neutral to Full Plus Green
12	19	9	13	9	13	0	Open
						1-179	Virtual Switch Book
							Color Scroll
						180-201	Clockwise Fast to Slow
						202-207	Stop
						208-229	Counter-clockwise Slow to Fast
						230-234	Open
							Random Slots
						235-239	Fast
						240-244	Medium
						245-249	Slow
						250-255	Open
13	20	14			14		Dim Modes
						0-20	Standard
						21-40	Stage
						41-60	TV
						61-80	Architectural
						81-100	Theatre
						101-120	Stage 2
							Dimmer Delay Time
						121	0s
						122	0.1s
						123	0.2s
						...	...
						141	10s
						142-149	Idle
							Dim to Warm
						150-154	DTW On
						155-159	DTW Off
						160-255	Idle

14	21	10	15	10	15		Control
						0-24	Idle
						25-34	Blinder Output mode
						35-44	Constant Output mode
						45-200	Idle
						201-210	Dimmer Curve : Linear (Default)
						211-220	Square
						221-230	Inverse Square
						231-240	S-Curve
						241-255	Idle

6. Troubleshooting & Maintenance

Error codes are shown continuously in the display when the fixture fails, and they will not disappear until the fixture is repaired.

6.1 Error Monitoring

Temp. Error

- Check if the thermostat is normal. Check whether the components of the temperature detecting board are damaged.
- Check if the lead on the temperature detecting board is disconnected.

Fan 1/2/3/4 Error

- Check if the fan is not running.
- Check if the fan leads are disconnected.
- Check if the fan is damaged.
- Check if there are obstacles in the fan operating range. Check whether the fan circuit on the motherboard breaks down.
- Check if the component is damaged.
- Check if the fan is out of order.

6.2 Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for troubleshooting:

A. The unit does not work, no light and the fan does not work

- Check the connected power.
- Measure the voltage.
- Check the power indicator to see if it can be lit up or not.

B. Not responding to the DMX controller

- Check if the DMX connectors and the DMX cables are connected correctly.
- Check if the DMX address is correctly set.
- If the intermittent DMX signal problem occurs, check if the XLR socket and the signal cable are well connected.
- Try it with another DMX controller.
- Check if the DMX cables run near or alongside to the high-voltage cables, which may damage or interfere with the signal circuit.

6.3 Maintenance

It is essential that the fixture is kept clean to ensure the maximum light-output and allow the fixture to function reliably throughout its life. The fixture must be cleaned regularly to avoid dust, dirt and smoke-fluid residues building up on or within the fixture. The cleaning frequency depends on the application environment. Clean the fixture immediately if the dust enters it to avoid damage to the optical lens due to excessive dust.

- A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should solvents be used.
- Always dry the parts thoroughly.
- Clean the external optical lens at least every 20 days or as needed.

7. Technical Specifications

Power Input Voltage	100-240V ~ 50/60Hz	
Power Consumption	350W Max	
Light Source	24x18W RGBLAW 6 in 1 LEDs + 36x0.6W RGB LEDs (Halo)	
Beam Angle	50 deg	
Dimmer/Strobe	0-100% smooth dimming; high output strobe effect	
Control	DMX Channel	1CH Dimmer
		2CH Dimmer & CCT
		3CH Dim/Strb/CCT
		4CH RGBL
		6CH RGBLAW
		7CH Dim/CCT/Cir
		22CH Standard
		29CH Extended
		18CH RGB
		23CH RGB Extend
		18CH CMY
		23CH CMY Extend
	Control Mode	DMX512/RDM
		Master/Slave
		Manual
	Firmware Upgrade	Firmware upgrade via DMX link
Construction	Display	OLED touch display
	Data IN/Out	3-pin XLR IP65 connectors
	Power In/Out	Tru1 IP65 connectors
Dimensions	26x20x20cm / 10.3" x 7.9" x 7.9"	
Weight	5.6kg / 12.4 lb	

8. 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.

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