

USER MANUAL

BRIGHTER SMART HYBRID 400 PRO



USER MANUAL

This product manual contains important information about the safe installation and use of this projector. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

Please read the instructions carefully before use!

1. SAFETY PRECAUTIONS

This fixture is a sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. Manufacturer is not responsible for injuries and damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified or certified personnel should perform installation of this fixture and only the original rigging parts included with this fixture should be used for installation. Any modifications to the fixture and the included mounting hardware will void the original manufacturer's warranty and increase the risk of damage personal injury.

- **PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED**
- **THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT.DO NOT ATTEMPT ANY REPAIRS YOURSELF,AS DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS**
- **DO NOT PLUG FIXTURE INTO A DIMMER PACK**
- **NEVER OPEN THIS FIXTURE WHILE IN USE**
- **UNPLUG POWER BEFORE SERVICING FIXTURE**
- **NEVER TOUCH FIXTURE DURING OPERATION, AS IT MAY BE HOT! KEEP FLAMMABLE MATERIALS AWAY FROM FIXTURE**
- **NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE AT WORK**
- **RETINA INJURY RISK - MAY INDUCE BLINDNESS**
- **SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK**
- **ENSURE THAT ALL CONNECTIONS AND END CAPS ARE PROPERLY SEALED WITH A DIELECTRIC GREASE (AVAILABLE AT MOST ELECTRICAL SUPPLIERS) TO PREVENT WATER CORROSION AND/OR ELECTRICAL SHORT CIRCUIT**
- **KEEP APPROPRIATE DISTANCE FROM OBJECTS/SURFACES 1 METER**
- **MAXIMUM TEMP OF EXTERNAL SURFACE 185° F (85°C)**
- **DO NOT TOUCH THE FIXTURE HOUSING DURNING OPERATION. TURN OFF THE POWER AND ALLOW APPROXIMATELY 15 MINUTES FOR THE FIXTURE TO COOL DOWN BEFORE SERVICING**
- **DO NOT SHAKE FIXTURE , AND AVOID BRUTE FORCE WHEN INSTALLING OPERATING**
- **DO NOT OPERATE FIXTURE IF THE POWER CORD IS FRAYED, CRIMPED, DAMAGED OR IF ANY OF THE POWER CORD CONNECTORS ARE DAMAGED AND DO NOT INSERT INTO THE FIXTURE SECURELY WITH EASEY**
- **NEVER FORCE A POWER CORD CONNECTOR INTO THE FIXTURE. IF THE POWER CORD OR ANY OF ITS CONNECTORS ARE DAMAGED, REPLACE IT IMMEDIATELY WITH A NEW ONE OF THE SAME POWER RATING**
- **DO NOT BLOCK ANY AIR VENTILATION SLOTS**
- **ALL FAN AND AIR INLETS MUST REMAIN CLEAN AND NEVER BLOCKED**

- **ALLOW APPROX. 6" (15CM) BETWEEN FIXTURE AND OTHER DEVICES OR A WALL FOR PROPER COOLING**
- **ALWAYS DISCONNECT FIXTURE FROM MAIN POWER SOURCE BEFORE PERFORMING ANY TYPE OF CLEANING PROCEDURE**
- **ONLY HANDLE THE POWER CORD BY THE PLUG END. NEVER PULL OUT THE PLUG BY TUGGING THE WIRE PORTION OF THE CORD**
- **CONSISTENT OPERATIONAL BREAKS WILL ENSURE FIXTURE WILL FUNCTION PROPERLY FOR MANY YEARS**
- **ONLY USE THE ORIGINAL PACKAGING AND MATERIALS TO TRANSPORT THE FIXTURE IN FOR SERVICE**
- **DO NOT ALLOW CHILDREN TO OPERATE THE FIXTURE**
- **IN THE EVENT OF SERIOUS OPERATING PROBLEM, STOP USING THE UNIT IMMEDIATELY**
- **NEVER TURN ON AND OFF THE UNIT TIME AFTER TIME**
- **DO NOT OPERATE THIS PRODUCT IF YOU SEE DAMAGE ON THE HOUSING, SHIELDS, OR CABLES. HAVE THE DAMAGED PARTS REPLACED BY AN AUTHORIZED TECHNICIAN AT ONCE.**
- **IN CASE OF DOUBT CONTACT WITH BRIGHTER LIGHTING.**

2. MAINTENANCE GUIDELINES

DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

2.1. CLEANING

Frequent cleaning is recommended to ensure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Periodically clean the external lens surface with a soft cloth to avoid dirt/debris accumulation. NEVER use alcohol, solvents, or ammonia-based cleaners

2.2. MAINTENANCE

Regular inspections are recommended to ensure proper function and extended life. There are no user serviceable parts inside this fixture. Please refer all other service issues to an authorized our service technician. Should you need any spare parts, please order genuine parts from your local dealer.

Please refer to the following points during routine inspections:

- A detailed electric check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating
- Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation, resulting in damage or injury as larger parts could fall
- Check for any deformations on the housing, color lenses, rigging hardware, and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s)
- Electric power supply cables must not show any damage, material fatigue or sediments. NEVER remove the ground prong from the power cable

3.INSTALLATION GUIDELINES

- The fixture can be mounted in any position.
- The fixture has built-in folding clamps
- Always ensure that mounting surface can withstand 10 times the weight of the fixture.
- Always use a safety cable when mounting the fixture in any elevated position.
- Be sure that the safety cable is connected to a solid load-bearing structure.

4.SYSTEM MENU

Main Menu	Sub Menu	Option/Value	Option/Value
DMX	Address	001-512	
		Prev	Shift address back by 22
		Next	Shift address next by 22
	Channel	022CH	
	Control Mode	DMX	
		Auto	
		Sound	
		Scene	
	Scene mode	Auto	
		Scene01-10	
	M/S choose	Slave	
		Master	
		Auto	
	P/T rectify	Off	
		On	
Data hold	Off		

		On			
SET	Fan speed	Silent			
		Auto			
		Full			
	Pan Invert	Off			
		On			
	Tilt invert	Off			
		On			
	Scene time multiple	000-255			
	Reset	Cancel			
		Confirm			
	Scene	Scene Select		001-010	
		Scene Time		000-255	
		Control Mode			Off
					On
		1.Pan		000-255	
		2.Pan Fine		000-255	
		3.Tilt		000-255	
		4.Tilt Fine		000-255	
		5.PT Spd		000-255	
		6.Dimmer		000-255	
		7.Strobe		000-255	
		8.Colour		000-255	
		9.Cyan		000-255	
		10.Magenta		000-255	
		11.Yellow		000-255	
		12.CTO		000-255	
		13.Gobo		000-255	
		14.Rot Gobo		000-255	
		15.Gobo Rot		000-255	
		16.Prism1		000-255	
		17.Prism1 .R		000-255	
		18.Frost1		000-255	
		19.Focus		000-255	
	20.Zoom		000-255		
	21.Zoom F		000-255		
	37.Reset		000-255		
	Display	Language		Chinese	
			English		
Screen Saver			Off		
			Mode 1		
		Mode 2			

			Mode 3
		Screen Rot	Reverse
			Forward
			Auto
		DMX Indicate	Mode 1
			Mode 2
			Mode 3
		Signal Bright	001-010
		Screen Light	001-010
Calibration	Password		
Factory Setting	Cancel		
	Confirm		
SYS	Motor Info		
	Fault logging		
	Device status		
	Version		
	Run time		
	Serial number		
NET	Operaton choose	DMX	
		NET&DMX	
		ARTNET	
	IP	xxx.xxx.xxx.xxx	After change address please wait 40 seconds and restart the fixture
	Mask	xxx.xxx.xxx.xxx	After change mask please wait 40 seconds and restart the fixture
	Universe	00000-30000	After change universe please wait 40 seconds and restart the fixture
	DHCP	Off	
		On	
	sACN	Off	
		On	

5.DMX CHART

22Ch

CH	Value	Function	Description
1CH	0-255	Pan	-270°- 270°
2CH	0-255	Pan Fine	16 bit adjustable
3CH	0-255	Tilt	-135°- 135°
4CH	0-255	Tilt Fine	16 bit adjustable
5CH	0-255	Pan/Tilt speed	Fast to slow
6CH	0-255	Master Dimmer	Dark to light
7CH	0-255	Strobe	
	0-5	Open	
	6-55	Synchronous strobe	The larger value, the faster speed
	56-105	Pulse strobe	The larger value, the faster speed
	106-155	Random strobe	The larger value, the faster speed
	156-205	Pulse open	The larger value, the faster speed Dark to light
	206-255	Pulse close	The larger value, the faster speed Light to dark
8CH	0-255	Colour Wheel	
	0-9	White	
	10-19	Red	
	20-29	Green	
	30-39	Blue	
	40-49	Yellow	
	50-59	Orange	
	60-69	Magenta	
	70-79	CTO	
	80-139	Linear wheel adjusting	
	140-203	Forward flow from fast to slow	
	204	Stop	
	205-255	Reverse flow froms slow to fast	
CH9	0-255	Cyan	
CH10	0-255	Magenta	
CH11	0-255	Yellow	
CH12	0-255	CTO	
CH13	0-255	Static Gobo	

	0-9	Open	
	10-19	Gobo 1	
	20-29	Gobo 2	
	30-39	Gobo 3	
	40-49	Gobo 4	
	50-59	Gobo 5	
	60-69	Gobo 6	
	70-79	Gobo 7	
	80-89	Gobo 8	
	90-99	Gobo 9	
	100-109	Gobo 9 Shake	
	110-119	Gobo 8 Shake	
	120-129	Gobo 7 Shake	
	130-139	Gobo 6 Shake	
	140-149	Gobo 5 Shake	
	150-159	Gobo 4 Shake	
	160-169	Gobo 3 Shake	
	170-179	Gobo 2 Shake	
	180-189	Gobo 1 Shake	
	190-222	CW Rot Fast to slow	
	223	Stop	
	224-255	CCW Rot slow to fast	
14CH	0-255	Rot Gobo	
	0-9	Open	
	10-19	Gobo 1	
	20-29	Gobo 2	
	30-39	Gobo 3	
	40-49	Gobo 4	
	50-59	Gobo 5	
	60-69	Gobo 6	
	70-79	Gobo 7	
	80-89	Gobo 7 Shake	
	90-99	Gobo 6 Shake	
	100-109	Gobo 5 Shake	
	110-119	Gobo 4 Shake	
	120-129	Gobo 3 Shake	
	130-139	Gobo 2 Shake	

	140-149	Gobo 1 Shake	
	150-199	Cw Rot Fast to slow	
	200	Stop	
	201-255	CCW Rot Slow to fast	
15CH	0-255	Gobo Rotation	
	0-127	0-360(degree)	
	128-191	Rotate reverse (fast to slow)	
	192	Stop	
	193-255	Rotate forward (slow to fast)	
16CH	0-255	Prism	
	0-127	Prism Off	
	128-255	Prism On	8-facet circular
CH17	0-255	Prism Rot	
	0-127	0-360(degree)	
	128-191	CW Rot	Fast to slow
	192	Stop	
	193-255	CCW Rot	Slow to fast
CH18	0-255	Frost	
	0-127	Frost Off	
	128-255	Frost On	
CH19	0-255	Focus	
CH20	0-255	Zoom	Narrow to Wide
CH21	0-255	Zoom Fine	16 bit adjustable
CH22	0-255	Control	The value must stop for 5 seconds to make Effect
	0-66	No effect	Menu set, no change
	67-71	Fan Mode	Auto
	72-76		Silent
	77-81		Full
	82-200	No Function	
	201-215	Effect motor reset	
	216-230	Pan/Tilt motor reset	
	231-245	Overall reset	
	246-255	No Function	

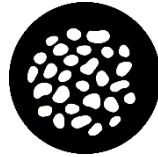
Static Gobo Wheel in order:



1



2



3



4



5



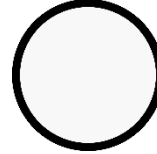
6



7



8

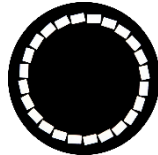


9

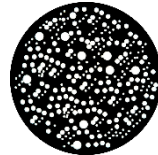
Rot Gobo Wheel in order:



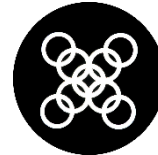
1



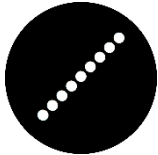
2



3



4



5



6



7

6.SPECIFICATIONS

CONSTRUCTION/PHYSICAL

Dimensions: 255x324x570mm

Weight: 13,7 Kg

Exterior Color: Black

Housing material: Aluminium profile + high-quality plastic

Protection rating: IP20

DYNAMIC EFFECTS

Dimmer: Electronic

Shutter/Strobe: Electronic

Strobe Rate: 1-25Hz

Standalone: Yes

Colour Mixing: CMY+CTO

Colour Wheel: 6 colors + white

Frost: Yes

Fixed gobos: 9 fixed patterns

Rotating gobos: 7 glass patterns

Prism: 8-facet circular prism

Pan movement: 540°, 16 bit

Tilt movement: 270°, 16 bit

CONNECTIONS

Power Connection: PowerCon True1

DMX Connection: XLR 5-pin

Art-Net Connection: RJ-45

CONTROL

Control Protocols: DMX/ArtNet/sACN/RDM

DMX Channels: 22CH

Build-in Effects: Yes

Wireless DMX

ELECTRICAL

Power Supply Voltage: 100-240V 50/60Hz

Maximum Power Consumption: 420W

Light Source 400W LED ,8000K

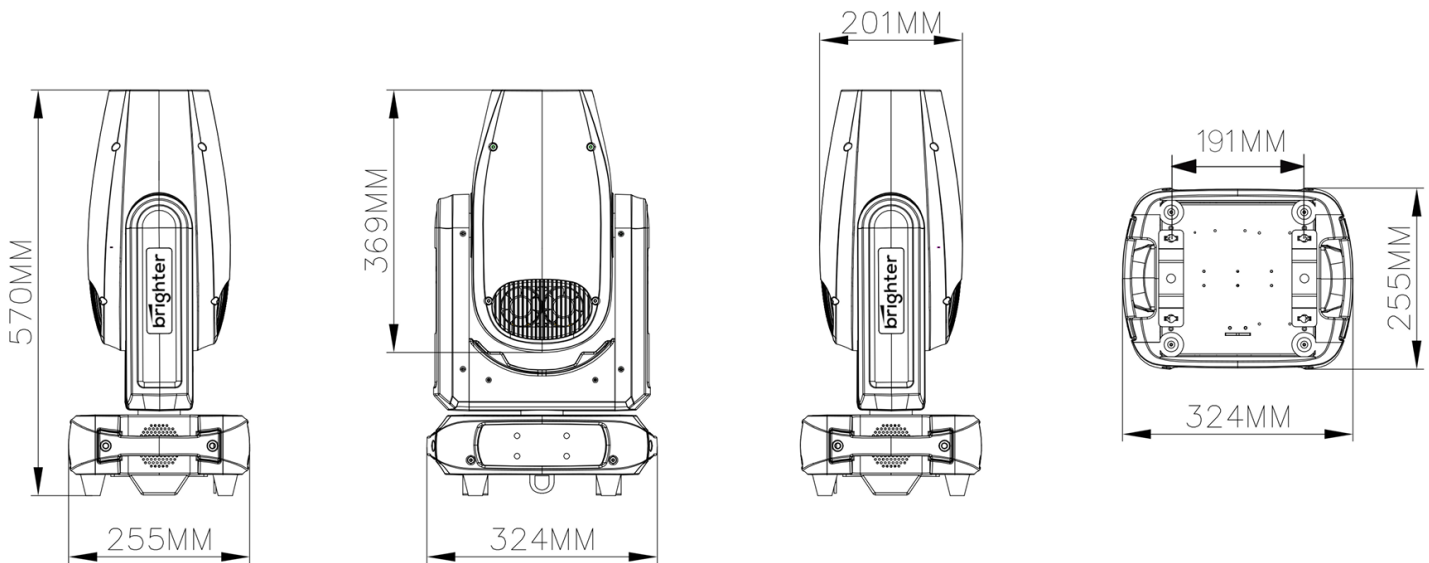
CRI: >70Ra

OPTIC

Zoom: 3°-30°

Focus: Electronic

7.DIMENSIONAL DRAWINGS





BRIGHTER LIGHTING SP. Z O.O.

ul. Warszawska 111

32-087 Bibice

POLAND

NIP: 9442248196

REGON: 361197164

Date of issue: 22.01.2026

The manufacturer reserves the right to make changes to technical parameters

