

## **USER MANUAL**

FW 300+



## **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**
- **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)**
- **MINIMUM DISTANCE OF FLAMMABLE MATERIALS FROM THE SURFACE IS 1 METER**
- **DO NOT TOUCH THE FIXTURE HOUSING DURING 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 EASE**
- **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 SERVICE OR CLEANING PROCEDURE**
- **ONLY HANDLE THE POWER CORD BY THE PLUG END. NEVER PULL OUT THE PLUG BY TUGGING THE WIRE PORTION OF THE CORD**
- **DURING THE INITIAL OPERATION OF THIS FIXTURE, A LIGHT SMOKE OR SMELL MAY EMIT FROM THE INTERIOR OF THE FIXTURE. THIS IS A NORMAL PROCESS AND IS CAUSED BY EXCESS PAINT IN THE INTERIOR OF THE CASING BURNING OFF FROM THE HEAT ASSOCIATED WITH THE LAMP AND WILL DECREASE GRADUALLY OVER TIME.**
- **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.**

## 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.SYSTEM MENU

Main Menu	Sub Menu	Option/Value	Option/Value
DmxAdr	001		
	...		
	512		
DmxLoss	Off		
	Hold		
Master	Off		
	On		
Perform	P-000		
	...		
	P-041		
Channel	1Chn		
	7Chn		
	13Chn		
MainDim	Red	000-255	
	Green	000-255	
	Blue	000-255	
	Cyan	000-255	
	Lime	000-255	
	Amber	000-255	
Fan	Auto		
	On		
Display	Mode	On	Display always on
		Auto-5	Display turn off after 5 seconds
		Auto-10	Display turn off after 10 seconds
		Auto-30	Display turn off after 30 seconds
		Auto-60	Display turn off after 60 seconds
	Level	005-255	
Info	LedTemp		
	Hours		
	Serial		
	SftVer		

- When adjusting the spot size manually, please cut off the DMX512 signal, then press ZOOM IN or ZOOM OUT to achieve the spot and zoom in and out

## 4.DMX CHART

### 1CH Mode

CH	Value	Function	Description
1CH	0-255	Master Dimmer (3200K)	Dark to Light

### 7CH Mode

CH	Value	Function	Description
1CH	0-255	Red	Dark to Light
2CH	0-255	Green	Dark to Light
3CH	0-255	Blue	Dark to Light
4CH	0-255	Cyan	Dark to Light
5CH	0-255	Lime	Dark to Light
6CH	0-255	Amber	Dark to Light
7CH	0-255	Zoom	Narrow to Wide

### 13CH Mode

CH	Value	Function	Description
1CH	0-255	Red	Dark to Light
2CH	0-255	Green	Dark to Light
3CH	0-255	Blue	Dark to Light
4CH	0-255	Cyan	Dark to Light
5CH	0-255	Lime	Dark to Light
6CH	0-255	Amber	Dark to Light
7CH	0-255	Master Dimmer	Dark to Light
8CH	0-255	Strobe	
	0	Open	

	1-255	Strobe	Slow to Fast
9CH	0-255	Zoom	Narrow to Wide
10CH	0-255	CTO (Cold to warm)	CTO (Cold to warm)
11CH	0-255	Color Tint	0-127 Magenta Shift 128Off 129-255 Green Shift
12CH	0-255	Dim mode	Dim mode
	0-49	Mode 1	Linear
	50-99	Mode 2	Soft Linear
	100-149	Mode 3	Square
	150-255	Mode 4	Logarithmic
13CH	0-255	Color Macro	Color Macro
	0-7	Off	
	8-37	FX 1	
	38-67	FX 2	
	68-97	FX 3	
	98-127	FX 4	
	128-157	FX 5	
	158-187	FX 6	
	188-217	FX 7	
	218-246	FX 8	
	247-255	Off	

## **4.SPECIFICATIONS**

### **CONSTRUCTION/PHYSICAL**

Dimensions: 520x315x320mm

Weight: 8,4 Kg

Exterior Color: Black

### **DYNAMIC EFFECTS**

Dimmer: Electronic, 4 curves

Shutter/Strobe: Electronic

Strobe Rate: 0-25Hz

Standalone: Yes

Color Mixing: RGBALC

### **CONNECTIONS**

Power Connection: PowerCon

DMX Connection: XLR 3-pin or 5-pin

### **CONTROL**

Control Protocols: DMX

DMX Channels: 1/7/13 CH

Build-in Effects: Yes

### **ELECTRICAL**

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

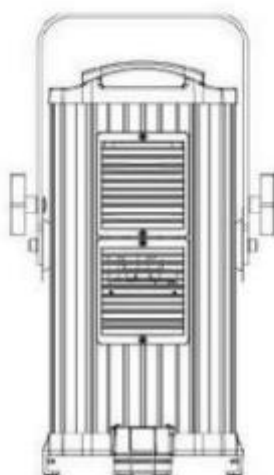
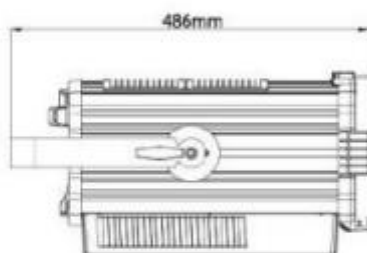
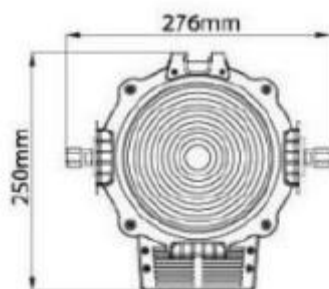
Maximum Power Consumption: 350W

Light Source: 300W RGBALC COB LED

### **OPTIC**

Zoom: 15°-55°

## 5.DIMENSIONAL DRAWINGS







**BRIGHTER LIGHTING SP. Z.O.O.**

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The manufacturer reserves the right to make changes to technical parameters