

IP BAR 1810 RGBW PIXEL

18*10W RGBW LED bar light with IP 65 Pixel



USER MANUAL

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Caution!



Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires!



Avoid looking directly into the light source!

Wear protective glasses and other PPE (personal protective equipment) when working on or near the fixture.



Always make sure you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label. Make sure it is grounded when using it!

Unplug mains lead before opening the housing!

Make sure that the power cord is never crimped or damaged by sharp edges. Check the fixture and the powercord from time to time.



For your own safety, please read this user manual carefully before you initial start-up.

Follow operating safety precautions and pay attention to warning signs methods and equipment on the user manual.



Warning! This symbol indicates a hot surface. Certain parts of the housing can become hot during operation. After use, wait for a cool-down period of at least 10 minutes before handling or transporting the device.



T = 45°C

Indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture. IP 20 rating.

The ambient temperature must always be between -5° C and +45° C.

Every person involved with the installation, operation and maintenance of this device has to

- be qualified
- follow the instructions of this manual
- consider this manual to be part of the total product
- keep this manual for the entire service life of the product
- pass this manual on to every further owner or user of the product
- download the latest version of the user manual from the Internet

Introduction

Thank you for having chosen IP BAR 1810 RGBW Pixel, You will see you acquired a powerful and versatile device.

Unpack your item. Before you initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

Safety instructions

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual. Always disconnect from the mains, when the device is not in use or before cleaning it. Keep away children and amateurs from the device! There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

Installation

Read 'Safety information' before installing the fixture.

The fixture is designed for indoor use only and must be used in a dry location with adequate

ventilation. Ensure that none of the fixture's ventilation slots are blocked.

Fasten the fixture to a secure structure or surface. Do not stand it on a surface or leave it where it can be moved or fall over. If you install the fixture in a location where it may cause injury or damage if it falls, secure it as directed in this user manual using a securely anchored safety cable that will hold the fixture if the primary fastening method fails.

Fastening the fixture to a flat surface

The fixture can be fastened to a hard, fixed, flat surface that is oriented at any angle. Ensure that the surface and all fasteners used can support at least 10 times the weight of all fixtures and equipment to be installed on it.

Fasten the fixture securely. Do not stand it on a surface or leave it where it can be moved or fall over. If you install the fixture in a location where it may cause injury or damage if it falls, secure it as directed below with a securely anchored safety cable that will hold the fixture if the primary fastening method fails.

Mounting the fixture on a truss

The fixture can be clamped to a truss or similar rigging structure in any orientation. When installing the fixture hanging vertically down, you can use an open-type clamp such as a G-clamp. When installing in any other orientation, you must use a half-coupler clamp that completely encircles the truss chord.

To clamp the fixture to a truss:

1. Check that the rigging structure can support at least 10 times the weight of all fixtures and equipment to be installed on it.
2. Block access under the work area.
3. Fold the legs of the mounting bracket together and bolt a rigging clamp securely to the mounting bracket. The bolt used must be M10, grade 8.8 steel minimum. It must pass through both mounting bracket legs and be fastened with a self-locking nut.
4. Working from a stable platform, hang the fixture with its clamp on the truss and fasten the clamp securely.
5. Secure the fixture with a safety cable as directed below.

Securing with a safety cable

Secure the fixture with a safety cable (or other secondary attachment) that is approved for the weight of the fixture so that the safety cable will hold the fixture if a primary attachment fails.

Loop the safety cable through the eyebolt in the back of the fixture and around a secure anchoring point. Do not loop the safety cable around the fixture's mounting bracket only, as this will leave the fixture unsecured if it separates from the bracket.

Power connection

Power Requirements

The IP BAR 1810 RGBW Pixel luminaire operates on 100 to 240 volts AC (+/- 10%, auto-ranging). The luminaire contains an auto-ranging power supply.

Power linking between fixtures:

The fixture with IP power in and out socket. Connect the power out to the power in socket in the next fixture till all are connected.

Caution: maximum power linking - 8 units.

Connection with the mains:

Connect the device to the mains with the enclosed power supply cable.

The occupation of the connection cables as below:

Cable color	Connection	International
Brown	Live	L

Blue	Neutral	N
Yellow/green	Earth(Ground)	

Control Menu Map

	content	value	OPERATION
1	A001	001-512	DMX512, Channel address code setting
2	CH18	4/12/72	Channel
3	FH99	001-099	Strobe, speed increases from slow to fast.
4	CL01	001-008	8 commonly used color outputs
5	LL99	001-099	Jump from slow to fast
6	DE99	001-099	Gradient, from slow to fast
7	CP99	001-099	Pulse changes, from slow to fast
8	N001	001-066	RGBW horse racing effect selection
9	S255	000-255	RGBW horse racing speed, from slow to fast
10	SU99	001-099	Sensitivity selection for voice control
11	R255	000-255	Red Dimming, from dark to bright
12	G255	000-255	Green Dimming, from dark to bright
13	B255	000-255	Blue Dimming, from dark to bright
14	U255	000-255	White Dimming, from dark to bright

DMX Protocol

4 CH Mode	Function	Function Control
CH1	Red	000-255: 0-100% Red dimmer
CH2	Green	000-255: 0-100% Green dimmer
CH3	Blue	000-255: 0-100% Blue dimmer
CH4	White	000-255: 0-100% White dimmer

12 CH Mode	Function	Function Control
CH1	General Dimmer	000-255 0-100% linear dimmer
CH2	Red	000-255: 0-100% Red dimmer
CH3	Green	000-255: 0-100% Green dimmer
CH4	Blue	000-255: 0-100% Blue dimmer
CH5	White	000-255: 0-100% White dimmer
CH6	Strobe	000-255: Speed increasing
CH7	Running	000-255: Running effect
CH8	Running speed	000-128: Forward running speed 129-255: Reverse running speed
CH9	Red background color	000-255: 0-100% Red background color dimmer
CH10	Green background color	000-255: 0-100% Green background color dimmer
CH11	Blue background color	000-255: 0-100% Blue background color dimmer
CH12	White background color	000-255: 0-100% White background color dimmer

72 CH Mode	Function	Function Control
CH1	Red 1	000-255: 0-100% Red 1 dimmer
CH2	Green 1	000-255: 0-100% Green 1 dimmer
CH3	Blue 1	000-255: 0-100% Blue 1 dimmer
CH4	White 1	000-255: 0-100% White 1 dimmer
CH5	Red 2	000-255: 0-100% Red 2 dimmer
CH6	Green 2	000-255: 0-100% Green 2 dimmer
CH7	Blue 2	000-255: 0-100% Blue 2 dimmer
CH8	White 2	000-255: 0-100% White 2 dimmer

72 CH Mode	Function	Function Control
...	...	...
CH69	Red 18	000-255: 0-100% Red 18 dimmer
CH70	Green 18	000-255: 0-100% Green 18 dimmer
CH71	Blue 18	000-255: 0-100% Blue 18 dimmer
CH72	White 18	000-255: 0-100% White 18 dimmer

Fixture Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses and mirror should be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew). In heavy club use we recommend cleaning on a monthly basis. Periodic cleaning will ensure longevity, and crisp output.

To clean the fixture:

1. Disconnect the fixture from power and allow it to cool for at least 10 minutes.
2. Vacuum or gently blow away dust and loose particles from the outside of the fixture with low-pressure compressed air.
3. Clean the surfaces by wiping gently with a soft, clean lint-free cloth moistened with a weak detergent solution. Do not rub glass surfaces hard: lift particles off with a soft repeated press. Dry with a soft, clean, lint-free cloth or low-pressure compressed air. Remove stuck particles with an unscented tissue or cotton swab moistened with glass cleaner or distilled water.
4. Check that the fixture is dry before reapplying power.

Troubleshooting

Listed below are a few common problems that you may encounter, with solutions.

The fixture does not work, no light

- Measure the mains voltage on the main connector.

Technical specifications

Model	IP BAR 1810 RGBW Pixel
Power supply:	AC100-240V, 50/60Hz
Light source:	18*10W LED
Color mixing:	RGBW color mixing
Beam angle:	25°
Power connection:	IP rated power cable
Signal connection:	IP rated data connector
DMX channels:	4/12/72CH
Control mode:	DMX RDM, Auto, Master-slave, Voice
Housing:	Colour black, Aluminum
Dimming:	32 bit 0-100% linear dimming
N.W.:	7.1kg
Environment:	IP65

Please note: All information is subject to change without prior notice.