

LBX20-POE



Ikan Lyra PoE 1 x 2 Light



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1. Introduction

1.1 Overview

The Ikan LBX20-POE is an innovative 1×2 soft panel LED light that revolutionizes studio lighting with dual PoE++ ports for 170W power delivery and DMX control through Cat6 RJ45 Ethernet cables. This cutting-edge fixture seamlessly integrates into Q-SYS ecosystems via the Q-SYS Designer Plugin while supporting ArtNet and sACN protocols for comprehensive control options. Featuring high CRI LED chips behind a permanently mounted half-stop soft diffusion panel, the LBX20-POE delivers exceptionally soft, wrapping light with clean, artifact-free shadows. (Patent Pending)

1.2 Key Features

- PoE++ (802.3bt Type 4) Compatibility
- 170W Power Output
- Soft Panel
- Color Temperature Adjustable
- Intensity Control
- Art-Net & sACN DMX over IP

1.3 Package Contents

- LBX20-POE LED Light Fixture
- Yoke
- Combo Pin
- Safety Wire

2. Safety Information

2.1 General Safety Guidelines

- Read and follow all instructions in this manual.
- Keep the light away from moisture and extreme temperatures.
- Do not attempt to disassemble the light; there are no user-serviceable parts inside.
- Keep the light away from flammable materials during operation.

2.2 Electrical Safety

- **NOTE:**Check minimal cable specs on page 5.
- Ensure that the power source complies with local electrical standards.
- If the cable is damaged, replace it immediately.

2.3 Maintenance and Cleaning

- Disconnect the light from the power source before cleaning.
- Use a soft, dry cloth for cleaning; do not use solvents or abrasive materials.

2.4 Environmental Considerations

- Dispose of the light and packaging in accordance with local regulations.
- Do not expose the light to rain or wet conditions.

2.5 Compatible Cables

- Use only Category 6 (Cat 6) or higher Ethernet cables.
- Choose cables with a minimum American Wire Gauge (AWG) of 24.
- Shielded cables are recommended to minimize electromagnetic interference.

3. Safety Information

3.1 LBX20-POE Specifications

Power Output	170W
Color Temp Range	3200K to 5600K
Color Rendering Index (CRI)	>97

4. Getting Started

4.1 Unpacking

- Carefully unpack the light and its accessories. Ensure that all items listed in the package contents are present.

4.2 Mounting Options

- Use included combo pin to attach the light to a light stand or other mounting surfaces.

4.3 Powering On and Off

- Connect the Cat6 or better cable to the light and a compatible PoE++ power source.
- Flip the switch to the on position.
- The light will take up to 5 seconds to boot up. The screen flashing white is a normal indication that the light is turning on.

4.4 Basic Controls

- The yellow circular knob serves as both the enter button and a scroll wheel to adjust values. After adjusting to the values you want, confirm by pressing the back button and returning to previous options.

5. POE Information

5.1 Understanding Power over Ethernet (PoE)

- PoE allows for the simultaneous transmission of power and data over a single Ethernet cable, simplifying installation and reducing cable clutter.

5.2 802.3bt Type 4 Compatibility

- Ensure that the PoE source complies with the 802.3bt Type 4 standard to provide the necessary power for the LBF60-POE.

5.3 Connecting to PoE Source

- Connect a Cat6 or higher Ethernet cable to the light and a compatible PoE++ power source. Verify the connection is secure.

5.4 Troubleshooting PoE Issues

- If power issues arise, check the PoE source and cable for faults. Contact customer support if problems persist.

6. Operation

Intensity: 10%

CCT: 3200K

DMX Address: 01

Net State: ART-NET

IP: 192. 168. 000. 050

IP Mode: Static

Universe: 01

6.1 Intensity

- Adjust the brightness to achieve the desired illumination level. The light can be set from 0-100%, increasing and decreasing by increments of 1%.

6.2 CCT (Color Temperature)

- Adjust the color temperature between 2700K and 6500K.

6.3 DMX Address

- DMX512 channel selection from 1 to 511. Each light requires two channels for use.
- The first channel is intensity and the second is color temperature. DMX control has priority.
- When the light receives DMX signal a green dot will appear indicating that DMX signal is received.
- NOTE: Intensity and CCT will no longer be available to control locally.

6.4 Net State:

- Turns on the usage of DMX over IP protocols Art-Net or sACN. Once one of these are selected, select the following:

IP: IP address of the light. The light can be set as the following:

192.168.xxx.xxx

172.xxx.xxx.xxx

10.xxx.xxx.xxx

IP Mode: Set either DHCP or Static

Universe: Select the address for Art-Net or sACN

6.5 Firmware Updates

- Check the manufacturer’s website for firmware updates to ensure optimal performance. Firmware updating instructions will be available with the firmware update files.

6.6 Web Interface

- The light fixture is equipped with a web-based Graphical User Interface (GUI) that facilitates the adjustment of DMX address, Art-Net settings, sACN settings, as well as Ethernet configurations including IP address, Net Mask, and Gateway preferences.
- Access the web interface by entering the IP address on the back of the light. For example, if the light shows 192.168.0.50 enter that into the web browser of a computer on the same network as the light fixture.

The screenshot displays the web interface for an iKan POE LIGHT. On the left is a sidebar with four menu items: 'System', 'ArtNet & sACN' (which is highlighted), 'Ethernet', and 'Upgrade'. The main content area is titled 'ArtNet Configuration & sACN Settings'. It contains four input fields, each with the value '1': 'DMX Address (1-512):', 'Universe of ArtNet (0-32767) :', 'Output Source :' (with a dropdown menu currently showing 'Art-Net'), and 'Universe of sACN (1-65535) :'. At the bottom right of the main area are two buttons labeled 'Load' and 'Save'.

ikan POE LIGHT

System

ArtNet & sACN

Ethernet

Upgrade

IP Address Configuration

IP Mode :
☐ Static

IP Address :
192.168.0.50

Net Mask :
255.255.255.0

Gate Way :
0.0.0.0

Load Save

7. Maintenance

7.1 Cleaning and Care

- Clean the light with a soft, dry cloth. Avoid using solvents or abrasive materials.

7.2 Storage Guidelines

- Store the light in a dry, cool environment. Disconnect from power during extended periods of use.

8. Troubleshooting

8.1 Power Issues

- Check the PoE source, cable, and connections. Ensure proper compatibility with the 802.3bt Type 3 standard on PoE Switch.

8.2 DMX over IP Controls Not Working

- Check that the lights are in the correct universe in the controller and the light fixture.

Learn More at www.ikancorp.com

Support

Contact email: support@ikancorp.com

CONDITIONS OF WARRANTY SERVICE

- Free service for 1 year from the day of purchase if the problem is caused by manufacturing errors.
- The components and maintenance service fee will be charged if the warranty period is expired.

Free service will not be provided in the Following Situations: (*Even if the product is still within the warranty period.)

- Damage caused by abuse or misuse, dismantling, or changes to the product not made by the company.
- Damage caused by natural disaster, abnormal voltage, and environmental factors, etc.

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