FROGGY 20

A 20W mini moving head light that is super light and small.

USER MANUAL

CE   **IP20**
      Indoor

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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.
Make sure to replace the fuse with another of the same type and rating.

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.

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

Froggy 20 This is a 20W colour moving head light. Designed for kvt, bars, small stages and other entertainment venues.
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.

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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.

Power connection

Power Requirements
The Froggy 20 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 powercon 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 - 6 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)	⏚

Operation

The Froggy 20 can operate in three different modes. In each mode you can run the fixture as a stand alone fixture or in a master/slave confiugration. This next section will detail the differences in the operating modes.

Control Menu

Level 1	Level 2	Function description
A001	001-512	DMX address 001 - 512
CH14		Channel mode, 14CH
Atox	0 - 9	Auto programms
SOUx	1 - 9	Sound mode

1xxx	000 - 255	Pan 0° - 540°
2xxx	000 - 255	Tilt 0° - 270°
3xxx	000 - 255	Pan tilt speed fast to slow
4xxx	000 - 255	Dimmer 0 - 100%
5xxx	000 - 255	Strobe slow to fase
6xxx	000 - 255	Red dimmer 0 - 100%
7xxx	000 - 255	Green dimmer 0 - 100%
8xxx	000 - 255	Blue dimmer 0 - 100%
9xxx	000 - 255	White dimmer 0 - 100%

DMX Protocol

12 CH Mode	Function	Function description
CH1	Pan	000 - 255: Pan 0° - 540 °
CH2	Tilt	000 - 255: Tilt 0° - 270°
CH3	Pan trimming	000 - 255: Pan trimming
CH4	Tilt trimming	000 - 255: Tilt trimming
CH5	Pan tilt speed	000 - 255: Pan tilt fast to slow
CH6	Strobe	000 - 005: No strobe
		006 - 010: Strobe
		011 - 100: Strobe fast to slow
		101 - 150: Fading in
		151 - 200: Fading out
		201 - 255: Flash
CH7	Dimmer	000 - 255: Master dimming 0 - 100%
CH8	Red	000 - 255: Red dimming 0 - 100%
CH9	Green	000 - 255: Green dimming 0 - 100%
CH10	Blue	000 - 255: Blue dimming 0 - 100%
CH11	White	000 - 255: White dimming 0 - 100%
CH12	Color effect	000 - 009: No function
		010 - 127: Color fading
		128 - 191: Color pulse
		192 - 255: Color jumping
CH13	Auto programms	000 - 049: No function
		050 - 099: Pan auto move, color effect
		100 - 149: Tilt auto move, color effect
		150 - 199: Pan tilt auto move, color effect
		200 - 255: Sound control
CH14	Reset	000 - 249: No function
		250-255: Reset all after 6s

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.

Fuse Replacement

This fuse is located in a fuseholder next to the MAINS OUT socket on the connections panel.
To replace a fuse:
1. Disconnect the fixture from power and allow it to cool for at least 10 minutes.
2. Unscrew the cap of the fuseholder and remove the fuse. Replace with a fuse of the same size and rating only.
3. Reinstall the fuseholder cap before reapplying power.

Troubleshooting

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

The fixture does not work, no light
• Check the connection of power and main fuse. Be sure the external fuse has not blown.
• Measure the mains voltage on the main connector.

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Technical specifications

Model	Froggy 20
Power supply:	AC100 - 240V, 50/60Hz
Light source:	20W LED
Color:	RGBW
X:	540°
Y:	270°
Beam:	5°
Signal connection:	3-pin XLR in& out
power connection:	power in & out
DMX channels:	14 CH
Housing:	Color black
N.W.:	1.7kg
Environment:	IP20

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