TOPAZ

Topaz is a tunable white LED light with zoom

USER MANUAL

CE IP20
Indoor

REV 1.0 - 24

English Version

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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

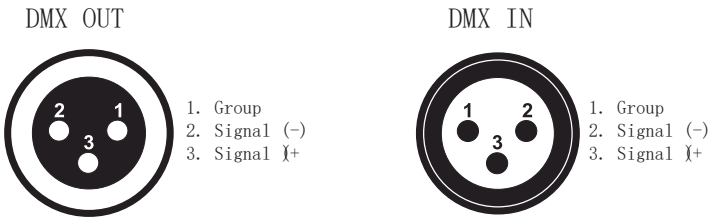
Thank you for having chosen Topaz. You will see you acquired a powerful and versatile device. The Topaz is a moving head colour light with Motorised zoom. It uses a 100W RGBL LED light source for more even colour mixing and has a wide range of Motorised zoom from 15° - 60° .

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.

Occupation of the XLR-connection:



If you are using controllers with this occupation, you can connect the DMX-output of the controller directly with the DMX-input of the first fixture in the DMX-chain. If you wish to connect DMX-controllers with other XLR-outputs, you need to use adapter-cables.

Building a serial DMX-chain:
Connect the DMX-output of the first fixture in the DMX-chain with the DMX-input of the next fixture.
Always connect one output with the input of the next fixture until all fixtures are connected.

DMX-512 connection with DMX terminator:
For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

Caution: At the last fixture, the DMX-cable has to be terminated with a terminator. Solder a 120 Ω resistor between Signal (-) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

Power connection

Power Requirements
The Topaz luminaire operates on 100 to 240 volts AC (+/- 10%, auto-ranging). The luminaire contains an auto-ranging power supply.

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

LEVEL 1	LEVEL 2	FUNCTION INSTRUCTION
Addr	001-512	DMX address setting
CHAN	CH24	DMX channel mode
SOUN	SE00 ~ SE99	Sound sensitive, low to high
AUTO	S000 ~ S255	Auto mode and speed, speed increasing
MAnu	r000 ~ r255	Red dimming 0 - 100%
	g000 ~ g255	Green dimming 0 - 100%
	b000 ~ b255	Blue dimming 0 - 100%
	U000 ~ U255	White0 dimming 0 - 100%
	P000 ~ P255	Pan movement 0° - 540°
	T000 ~ T255	Tilt movement 0° - 270°
TEMP	xxxC	Fixture temperature
dISP	ONEM	Display off in 60S when no operature
	PErM	Display always on
dSPL	NorM	Display reverse off
	rEVr	Display reverse 180 degrees
dmOF	bLAC	Blackout if no signal
	HoLd	Hold last step if no signal
rEST	no	Reset off
	yes	Reset on
CUrv	LINE	Dimmer curves, line
	SqUA	Dimmer curves, square
	INSq	Dimmer curves, inverse square
	SCur	Dimmer curves, S curve

DMX Protocol

24 Channels Mode	Function	Function Control
CH1	Pan	000 - 255: Pan movement 0° - 540°
CH2	Pan fine	000 - 255: Pan fine adjustment
CH3	Tilt	000 - 255: Tilt movement 0° - 270°
CH4	Tilt fine	000 - 255: Tilt fine adjustment
CH5	Pan Tilt speed	000 - 255: Pan tilt speed fast to slow
CH6	Dimmer	000 - 255: Dimmer 0 - 100%
CH7	Strobe	000 - 003: Shutter closed
		004 - 103: Strobe, slow to fast
		104 - 107: Shutter open
		108 - 207: Pulse strobe, slow to fast
		208 - 212: Shutter open
		213 - 225: Random strobe, slow speed
		226 - 238: Random strobe, medium speed
		239 - 251: Random strobe, fast speed
		252 - 255: Shutter open
CH8	Red	000 - 255: Red dimmer 0 - 100%
CH9	Green	000 - 255: Green dimmer 0 - 100%
CH10	Blue	000 - 255: Blue dimmer 0 - 100%
CH11	Lime	000 - 255: Lime dimmer 0 - 100%
CH12	Color temperature	000: No function
		001 - 255: 2700K - 6500K
CH13	Color marco	000 - 009: No function
		010 - 255: Color marco
CH14	Zoom	000 - 255: Zoom from big to small
CH15	Preset programms	000: No function
		001 - 025: Fading effect
		026 - 051: Chasing effect
		052 - 077: Rainbow effect
		078 - 103: Fading effect 1
		104 - 129: Fading effect 2
		130 - 155: Fading effect 3
		156 - 181: Fading effect 4
		182 - 207: Fading effect 5
		208 - 233: Fading effect 6
		234 - 255: Fading effect 7
CH16	Preset programms speed	000 - 255: Preset programms speed, slow to fast
CH17	LED ring dimmer	000 - 255: LED ring dimmer 0 - 100%

24 Channels Mode	Function	Function Control
CH18	LED ring strobe	000 - 003: LED ring strobe shutter closed
		004 - 103: LED ring strobe, slow to fast
		104 - 107: LED ring strobe shutter open
		108 - 207: LED ring pulse strobe, slow to fast
		208 - 212: LED ring strobe shutter open
		213 - 225: LED ring random strobe, slow speed
		226 - 238: LED ring random strobe, medium speed
		239 - 252: LED ring random strobe, fast speed
		252 - 255: LED ring strobe shutter open
CH19	LED ring red	000 - 255: LED ring red dimmer 0 - 100%
CH20	LED ring green	000 - 255: LED ring green dimmer 0 - 100%
CH21	LED ring blue	000 - 255: LED ring blue dimmer 0 - 100%
CH22	LED ring effect	000: No effect
		001 - 063: Effect 1
		064 - 127: Effect 2
		128 - 191: Effect 3
		192 - 255: Effect 4
CH23	LED ring effect speed	000 - 255: LED ring effect speed, slow to fast
CH24	Reset	000 - 199: No function
		200 - 205: Reset after 5S
		206 - 255: No function

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

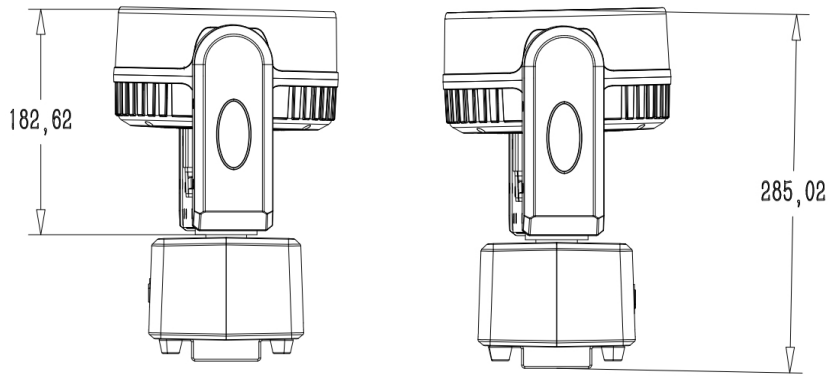
- Check the connection of power and main fuse. Be sure the external fuse has not blown.
- Measure the mains voltage on the main connector.

Technical specifications

Specifications

Model	Topaz
Power supply:	AC100-240V, 50/60Hz
Light source:	100W RGBL LED
Zoom range:	15° - 60° Motorised zoom
Power connection:	power in & out
Signal connection:	3-pin XLR in & out
Control channels:	24
Housing:	Color black
Size:	285x186x178 xmm
Environment:	IP 20

Dimensions



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