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# LED MAX ZOOM QUAD USER MANUAL



### 1. INTRODUCTION AND UNPACKING

Thank you for purchasing the MICROH LED MAX ZOOM QUAD wash fixture. For your own safety and knowledge, please read this manual before installing or operating the device. This manual covers the important information on installation and applications. Please install and operate the fixture according to instructions. Meanwhile, please keep this manual for future reference.

The MICROH LED MAX ZOOM QUAD wash fixture is made of a new type of high temperature cast aluminum casing. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. This fixture is applicable but not limited to large-scale live performances, theater, studio, nightclubs and discos.

The MICROH LED MAX ZOOM QUAD wash fixture uses 24 powerful 5W QUAD (4in1) LED's which feature high brightness and stability. Please carefully unpack it when you receive the fixture and check if it was damaged during the transportation. And please check whether the following items are included inside the box:

Fixture - One

Gel Frame - One

User Manual - One

### 2. SAFTEY INSTRUCTIONS



# CAUTION ELECTRIC SHOCK WARNING! USE EXTREME CAUTION WHEN HANDLING WIRES.

This device has left the factory in perfect condition. In order to maintain this condition and to ensure safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.



Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature, and is dry.

This device falls under protection-class I, therefore it is essential that the device be grounded. The electrical connection must be carried out by a qualified technician.

The device should only be used with rate voltage and frequency. Make sure that the available voltage is not higher than 120V as stated at the end of this manual.

Make sure the power cord is never crimped or damaged in any way, as this could cause shock and damage. If your power chord is damaged in any way, please purchase a new cable from your local MICROH dealer. Always disconnect power, when the device is not in use or before cleaning it. Never pull out the plug by tugging the power cord.

During initial start-up, some smoke or smell may arise. This is a normal process, and does not necessarily mean that the device is defective. It should decrease gradually. Please do not project the beam onto combustible substances.

Fixtures cannot be installed on or near combustible substances. Keep more than 50cm distance from wall for proper ventilation and air flow. If your fixture is or has become damaged in any way, it shall be exclusively replaced or repaired by the manufacturer to avoid any hazard.



### CAUTION!

Never touch the device during operation! The housing may heat up



### CAUTION!

Never look directly into the light source, as sensitive persons may suffer an epileptic shock

### CAUTION!



The electric connection must only be carried out by a qualified electrician.

### 3. OPERATION INSTRUCTIONS

- Do not turn on the fixture if it has been through severe temperature differences. Damage may occur to the fixture. Wait until unit is at room temperature to operate.
- The unit should be protected from any tremor or agitation during transport.
- Do not expose the fixture in any excessive heat, moisture or any environment with too much dust when installing. Do not lay any power cables on the floor. It may cause electronic shock or damage to persons or equipment.
- Make sure to attach the safety chain and ensure the screws are properly screwed in when installing the fixture.
- Make sure the lens is in good condition. It is recommended to replace the unit if there are any damages or severe scratches.
- Make sure the fixture is operated and installed by qualified personnel.
- Keep the original packaging in case of defective product.
- Any non-manufacturer additions, modifications or changes in any way will void all warranty.
- Please do not attempt to open unit. It is only to be serviced by an authorized technician. If this occurs, or is apparent, the warranty will be voided.
- The fixture's warranty will be voided if there are any malfunctions from not following the user manual or any illegal operation (shock short circuit, electronic shock, lamp broke, etc.)

### **Manual Dimmer Colour Mode**

- 2. Press UP or DOWN to adjust the intensity of the red, green, blue or white colour. 0-255 is the speed of the strobe in the strobe mode and is also the beam angle from big to small in the zoom mode.

0-Off Strobe 1-Lowest Speed 15-Highest Speed

### Static Colour Select Mode

- 1. Press MODE button and select CL (XX) for the static colour. Continue pressing SET UP to select strobe mode St (XX) and the zoom mode ∠(XXX).
- 2. Press UP or DOWN to select static colour 0-15, the strobe speed in the strobe mode and the beam angle from big too small.

0-Off Strobe 1-Lowest Speed 15-Highest Speed

### **Auto-Run Program**

Two Auto-Run programs are built into the LED Max Zoom Quad - Colour Snap program (AJ-X), Colour Mixing (AF-X).

- Press MODE button and select AJ-(X). Continue pressing SET UP to choose Colour Mixing AF-(X), and continue pressing SET UP to reach the SP (XX) Auto-run Speed Set Mode and the zoom Mode ⊋(XXX).
- 2. Press UP or DOWN to select the built-in AJ-(X) Colour Snap program 1-8, the built-in AF-(X) Colour Mixing Modes 1-8, the Colour change program Modes & Colour Mixing Modes speed SP(XX) 1-16 and the beam angle from big too small.

1-Lowest Speed 16-Highest Speed

### Sound-Active Mode

- 1. Press MODE button and select SO-(X). Press UP or DOWN to select the Sound-Active Mode 1-8.
- 2. Continue pressing SET UP button and select SJ-(X). Press UP or DOWN to select the Audio Sensitivity 1-8.

1-Off Sound-Active 2-Lowest Sensitivity 8-Highest Sensitivity

Continue pressing SET UP button and select \(\vec{\vec{e}}(XXX)\). Press UP or DOWN to adjust beam angle from big too small.

0-the biggest beam angle 190-the smallest beam angle

### **Setup Mode**

4 styles are built into the LED Max Zoom Quad-Display on/off mode, Display normal/inversion mode, Initialization mode, reset mode.

- 1. Display on/off mode: Press MODE button and select "don". Press UP or DOWN to select display always on "don" or the display off "doFF"
- 2. Display normal/inversion mode: Continue pressing SET UP button and select "Stnd". Press UP or DOWN button to select display normal "Stnd" or display inversion "evr".
- 3. Initialization mode: Continue pressing SET UP button and select "dEFA". Press UP and DOWN at the same time, you can initialize it at extra factory setting, running on the the first colour change program mode, "AJ-1
- 4. Reset mode: Continue pressing SET UP button and select "rESt". Press UP and DOWN at the same time, the fixture will reset automatically.

### **DMX Mode**

You can control the fixtures individually via DMX controller. LED Max Zoom Quad is in slave mode in any situation of DMX mode when it is combined to other LED Max Zoom Quad, but not with a DMX-controller.

Addressing: The DMX control board allows you to assign the DMX address which is defined as the first channel from which the LED Max Zoom Quad will respond to from the controller.

- 1. Press MODE button and select A.XXX
- 2. Press UP or DOWN to set the DMX address.

You can set 508 pcs.at most when the LED Max Zoom Quad is in 5 channel DMX mode, 507 pcs. at most when it is in 6 channel DMX mode, 506 pcs at most when it is in 7 channel DMX mode, 505 pcs at most when it is in 8 channel DMX mode. The LED display will flicker when there is no controller signal.

### Zoom direction

- 1. Press MODE button and select A.XXX, then press SET UP button and select "23.UP".
- 2. Press UP or DOWN to select zoom direction up "al.UP" or zoom direction down "zl.dn". "zl.UP" means that the bigger DMX value, the bigger beam angle; "al.dn" means that the bigger DMX value, the smaller beam angle.

**DMX-Protocol:** The LED Max Zoom Quad can be controlled using 5, 6, 7 or 8 channels.

- 5 Channel Mode controls Red, Green, Blue, White and Zoom.
- 6 Channel Mode controls Red, Green, Blue, White, Master Dimmer and Zoom.
- 7 Channel Mode controls Red, Green, Blue, White, Master Dimmer, Strobe and Zoom.
- 8 Channel Mode controls Red, Green, Blue, White, Master Dimmer, Strobe macro (auto-effects) and Zoom.
  - 1. Press MODE button and select CH0(X)
  - 2. Press UP or DOWN to set the number of desired DMX channels (5,6,7,8)

### 4. MOUNTING AND INSTALLATION

**Caution:** For added protection, mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel. Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight. Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable. Never stand directly below the device when mounting, removing, or servicing the fixture.

Whether installing inverted on a truss or ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5 ft) away from any flammable materials (decoration etc.). Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

**Mounting Points:** Overhead mounting requires extensive experience, including calculating working load limits. A knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture are all imperative and should only be performed by a qualified technician. Improper installation can result in bodily injury and damage.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

Floor Mounting: Set the 2 brackets at your desired angle and aim your fixture accordingly. Please see diagram below.



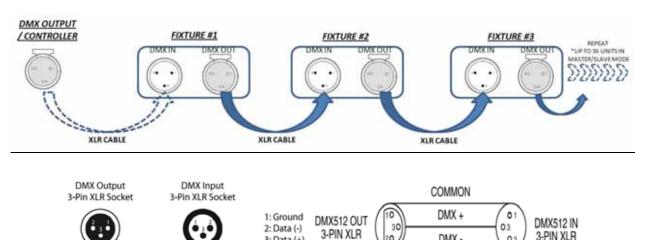
Clamp Mounting: The MICROH LED MAX ZOOM QUAD provides a unique mounting bracket assembly that integrates 2 brackets to be used to mount on a truss or the floor. When mounting this fixture to truss, be sure to secure an appropriately rated clamp to the included bracket fitted through the center hole. As an added safety measure, be sure to attach at least one properly rated safety cable



Regardless of the rigging option you choose for your MICROH LED MAX ZOOM QUAD wash fixture, always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.

### 5. DMX-512 CONTROL CONNECTIONS

This fixture complies with international USITT DMX standards and can be used with either a 3 pin or 5 pin DMX connector. Plug in the provided 3 pin XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the LED MAX ZOOM QUAD. To connect the units to DMX, you must daisy chain the fixtures together as referred in the diagram below. Always end your DMX-512 connection with a DMX terminator.



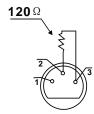
For installations where the DMX cable has to run a long distance, or is in an electrically noisy environment, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor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

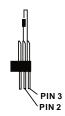
3: Data (+)

3-PIN XLR

02

DMX -





# 6. SETUP MENU

Address  RBB 1-R5 12  Sets the DMX starting address The unit occupies 5 DMX channels The unit occupies 6 DMX channels  Channels  The unit occupies 6 DMX channels  The unit occupies 7 DMX channels  The unit occupies 8 DMX channels  Channels  The unit occupies 8 DMX channels  The unit occupies 8 DMX channels  Zoom direction up: the bigger DMX value, the bigger beam angle Toom direction down: the bigger DMX value, the smaller beam angle Toom direction down: the bigger DMX value, the smaller beam angle Toom direction down: the bigger DMX value, the smaller beam angle Toom direction down: the bigger DMX value, the smaller beam angle Toom direction down: the bigger DMX value, the smaller beam angle Toom direction down: the bigger DMX value, the smaller beam angle Toom direction up: the bigger DMX value, the bigger DMX value, the smaller beam angle Toom direction up: the bigger DMX value, the big	MODE	SET UP manual	UP/DOWN manual	instruction			
DMX MODE  Channels  Channels  Channels  The unit occupies 5 DMX channels  The unit occupies 6 DMX channels  The unit occupies 7 DMX channels  The unit occupies 8 DMX channels  The unit occupies 6 DMX channels  The unit occupies 5 DMX channels  The unit occupies 6 DMX channels	manual	Address	800 1.85 12	Sets the DMX starting address			
The unit occupies 7 DMX channels  The unit occupies 8 DMX channels  The unit occupies 7 DMX channels  The unit occupies 7 DMX channels  The unit occupies 8 DMX channels  The unit occupies 7 DMX channels  The unit occupies 8 DMX channels  The unit occupies 8 DMX channels  The unit occupies 7 DMX channels  The unit occupies 8 DMX channels  The un	DMX						
The unit occupies 8 DMX channels  Zoom direction  Zoom direction up: the bigger DMX value, the bigger beam angle Zoom direction down: the bigger DMX value, the smaller beam angle Zoom direction down: the bigger DMX value, the smaller beam angle Zoom direction down: the bigger DMX value, the smaller beam angle Zoom direction down: the bigger DMX value, the smaller beam angle Zoom direction down: the bigger DMX value, the smaller beam angle Zoom direction down: the bigger DMX value, the smaller beam angle Zoom Adjust the intensity of the red color Adjust the intensity of the green color Adjust the intensity of the blue color  White dimmer  White dimmer  White dimmer  White dimmer  DOOD  Adjust the intensity of the blue color Adjust the intensity of the white color  Adjust the speed, F.S.D.D. is flash off, F.S.D.D. is slowest, F.S.D.D. is slastest  Adjust the beam angle from big to small  Adjust the sensitivity of the sound-active, S.D.D.D.D.D.D.D.D.D.D.D.D.D.D.D.D.D.D.D	MODE	Channels	EH06	The unit occupies 6 DMX channels			
Zoom direction     2d.l.P			EHBA	The unit occupies 7 DMX channels			
DIMMER   Red dimmer   F.   F.   F.   F.   F.   F.   F.   F			CH08	The unit occupies 8 DMX channels			
Sound Mode select   Soun		Zoom direction	28.UP	beam angle			
DIMMER MODE  Red dimmer  Green dimmer  Adjust the intensity of the blue color  Adjust the intensity of the white color  Green dimmer  Adjust the intensity of the white color  Adjust the strobe speed, F.5			2d.dn				
Blue dimmer    Discription   D		Red dimmer		Adjust the intensity of the red color			
Blue dimmer  White dimmer  UDDD ~ Adjust the intensity of the white color  White dimmer  UDDD ~ Adjust the intensity of the white color  Strobe  F5.00 ~F5.15  Adjust the strobe speed, F5.00 is flash off, F5.01 is slowest, F5.15 is fastest  Zoom  Zoom  Sound Mode select  Sensitivity select  Zoom  Zoo		Green dimmer		Adjust the intensity of the green color			
Strobe    Strobe	MODE	Blue dimmer	6.000 <sub>~</sub> 6.255	Adjust the intensity of the blue color			
SOUND   Sound Mode select   Sp-1/5p-8   Select the built-in sound mode		White dimmer	U.000.~	Adjust the intensity of the white color			
SOUND MODE  Sound Mode select		Strobe	AS.OO~AS.HS	Adjust the strobe speed, F5.00 is flash off, F500			
SOUND MODE  Sound Mode select  Sensitivity select  Adjust the sensitivity of the sound-active, 5 1 - 1 is the lowest level, 5 1 - 8 is the highest level  Adjust the beam angle from big to small  Select the built-in dreaming mode  Select the built-in dreaming mode  Select the built-in jumping mode  Select the built-in jumping mode  Adjust the speed of the dreaming/snap program mode  Adjust the beam angle from big to small  STATIC COLOR SELECT MODE  Strobe  Strobe  Select the built-in sound mode  Adjust the sensitivity of the sound-active, 5 1 - 1 is the lowest level, 5 1 - 1 is the lowest level, 5 1 - 1 is the lowest level.  Adjust the beam angle from big to small  Select the built-in jumping mode  Select the built-in dreaming mode  Select the built-in jumping mode  Select the built-in select  Select the built-in dreaming mode  Adjust the speed of the dreaming/snap program mode  Adjust the sensitivity of the sound-active, 5 1 is flash off, 5 1		Zoom	2.000~				
SOUND MODE  Sensitivity select  Sensitivity select  Sensitivity select  Sensitivity select  Sensitivity select  Adjust the sensitivity of the sound-active, 5 1 - 1 is the lowest level, 5 1 - 8 is the highest level  Adjust the beam angle from big to small  Select the built-in dreaming mode  Select the built-in jumping mode  Speed set  Select the built-in jumping mode  Adjust the speed of the dreaming/snap program mode  Adjust the beam angle from big to small  STATIC COLOR SELECT MODE  Strobe  Select the 15 static colors  Select the 15 static colors  Adjust the strobe speed, 5 0 is flash off, 5 0 1 is slowest, 5 1 is fastest		Sound Mode select		Select the built-in sound mode			
AUTO RUN MODE  Dreaming mode set  AUTO RUN MODE  Dreaming mode set  AF - I ~  Select the built-in dreaming mode  Select the built-in jumping mode  Select the built-in jumping mode  Adjust the speed of the dreaming/snap program mode  Zoom  Adjust the beam angle from big to small  Adjust the beam angle from big to small  STATIC COLOR SELECT MODE  Strobe  Adjust the strobe speed, F5.00 is flash off, F50 I is slowest, F5.15 is fastest		Sensitivity select		Adjust the sensitivity of the sound-active, 5 1 - 1 is			
AUTO RUN MODE  Dreaming mode set  FF - 1  Select the built-in dreaming mode  Jumping mode set  FF - 1  Select the built-in jumping mode  Select the built-in jumping mode  Adjust the speed of the dreaming/snap program mode  Zoom  Adjust the beam angle from big to small  STATIC COLOR SELECT MODE  Strobe  Strobe  Select the built-in jumping mode  Adjust the speed of the dreaming/snap program mode  Adjust the beam angle from big to small  Select the 15 static colors  Adjust the strobe speed, F5.00 is flash off, F50 I is slowest, F5.15 is fastest		Zoom		the lowest level,			
AUTO RUN MODE  Dreaming mode set  AF - I ~  AF - B  Jumping mode set  AJ - B  Select the built-in dreaming mode  Select the built-in jumping mode  Adjust the speed of the dreaming/snap program mode  Zoom  Adjust the beam angle from big to small  STATIC COLOR SELECT MODE  Dreaming mode set  AF - I ~  Adjust the built-in jumping mode  Adjust the speed of the dreaming/snap program mode  Adjust the beam angle from big to small  Select the built-in jumping mode  Adjust the speed of the dreaming/snap program mode  Adjust the beam angle from big to small  Adjust the strobe speed, F5.00 is flash off, F50 I is slowest, F5.15 is fastest		20011		Adjust the beam angle from big to small			
Jumping mode set   A   - 1   Select the built-in jumping mode		Dreaming mode set	AEEH~	Select the built-in dreaming mode			
Speed set  Zoom  STATIC COLOR SELECT MODE  Speed set  S		Jumping mode set	ABAI_~	Select the built-in jumping mode			
Zoom  Zoom  Adjust the beam angle from big to small  Z. 190  STATIC COLOR SELECT MODE  Strobe  Z. 190  Adjust the beam angle from big to small  Select the 15 static colors  Select the 15 static colors  Adjust the strobe speed, F500 is flash off, F501 is slowest, F5.15 is fastest		Speed set		Adjust the speed of the dreaming/snap program mode			
STATIC COLOR SELECT MODE  Static Color select  CL.DD ~ Select the 15 static colors  Select the 15 static colors  Adjust the strobe speed, F5.DD is flash off, F5DD is slowest, F5. I5 is fastest		Zoom	2.000~	Adjust the beam angle from big to small			
MODE  Strobe  Adjust the strobe speed, Strobe is slowest, Strobe speed, Strobe is slowest, Strobe speed, Strobe is flash off, Strobe is slowest, Strobe is flash off, Strobe is slowest, Strobe is slowest, Strobe speed, Strobe is flash off, Strobe is slowest, Strobe speed, Strobe is flash off, Strobe is slowest, Strobe speed, Strobe is flash off, Strobe is slowest, Strobe speed,	COLOR	Static Color select		Select the 15 static colors			
		Strobe	F5.00~F5.45	Adjust the strobe speed, F5.00 is flash off, F501			
		Zoom	2.000.~				

		2.190	
	Display on/off	dona	LED digital tube display always on
SETUP	On/On	doFF	LED digital tube display off
MODE	Display	SEnd	LED digital tube display normal
	normal/inversed	888	LED digital tube display inversed
	Initialization mode	8EFR	Initialize the unit at the extra factory setting
	Reset mode	HESE	Reset the position of the electric machine

# 7. DMX CHANNEL MODES

# **5 Channel Mode Configuration**

CH No.	DMX value	Function
CH1	000~255	Red(dim→bright)
CH2	000~255	Green(dim→bright)
CH3	000~255	Blue(dim→bright)
CH4	000~255	White(dim→bright)
CH5	000~255	Zoom, adjust the beam angle from the smallest to biggest when it is set to
		Zoom, adjust the beam angle from the biggest to smallest when it is set to

# **6 Channel Mode Configuration**

CH No.	DMX value	Function
CH1	000~255	Dimming(dim→bright)
CH2	000~255	Red(dim→bright)
CH3	000~255	Green(dim→bright)
CH4	000~255	Blue(dim→bright)
CH5	000~255	White(dim→bright)
CH6	000~255	Zoom, adjust the beam angle from the smallest to biggest when it is set to
		Zoom, adjust the beam angle from the biggest to smallest when it is set to $\vec{c}  \vec{d} . \vec{d}  \vec{n}$

# 7 Channel Mode Configuration

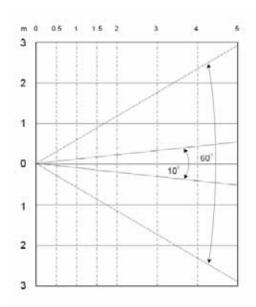
CH No.	DMX value	Function
CH1	000~255	Dimming(dim→bright)
CH2	000~255	Red(dim→bright)
CH3	000~255	Green(dim→bright)
CH4	000~255	Blue(dim→bright)
CH5	000~255	White(dim→bright)
	000~015	No function
CH6	016~255	Strobe slowest to fastest flash frequency is 0.1HZ-20HZ

CH7	000~255	Zoom, adjust the beam angle from the smallest to biggest when it is set to 2017
		Zoom, adjust the beam angle from the biggest to smallest when it is set to 2 d.d.n.

# **8 Channel Mode Configuration**

CH8	CH7		CH6	CH5	CH4	СНЗ	CH2	CH1	
	MODE	DMX VALUE	FUNCTION						
	1	0-15	No function	Strobe slowest to fastest	White 0-255 (dim→ bright)	Blue 0-255 (dim→ bright)	Green 0-255 (dim→ bright)	Red 0-255 (dim→ bright)	Dimming
	2	16-31	Red	16-255					0-255 (dim→
	3	32-47	Green	-flash frequency is					bright)
	4	48-63	Blue	0.1HZ-20HZ			No function		
Zoom 1.adjust the	5	64-79	Purple						
beam angle from the	6	80-95	Yellow					No function	
smallest to	7	96-111	Cyan						
biggest when it is set to	8	112-127	White						
2 <i>a.</i> UP	9	128-135	Color mixing 1		No function				
2.adjust the beam angle	10	136-143	Color mixing 2						
from the biggest to	11	144-151	Color mixing 3						
smallest when	12	152-159	Color mixing 4	-Speed 0- 255					
it is set to	13	160-167	Color mixing 5						
	14	168-175	Color mixing 6						
	15	176-183	Color mixing 7						
	16	184-191	Color mixing 8	(slow→ _quick)					
	17	192-199	Color change 1						
	18	200-207	Color change 2						
	19	208-215	Color change 3						
	20	216-223	Color change 4						
	21	224-231	Color change 5						
	22	232-239	Color change 6						
	23	240-247	Sound mode1	Sensitivity					
	24	248-255	Sound mode2	0-255					

### **8. PHOTOMETRIC DATA**



# YHLL-001TZ LED MAX ZOOM QUAD

	0.5m	im	2m	3m	4m	5m	
10"							Photography
	0.3	0.6	1.2	1.8	2.4	3	(Meters)
R	7800	3170	837	406	210	155	LUX
G	7850	2600	685	324	162	112.8	LUX
В	6860	3550	980	392	223	157	LUX
W	10020	4000	1320	582	335	203	LUX
RGBW	30200	11540	3300	1480	870	540	LUX
60"	150015						28 7752
17.7	0.675	1.35	2.7	4.05	5.4	6.75	(Meters)
R	3080	780	193	78	44.3	29	LUX
G	3060	739	183	78.6	43.3	21.6	LUX
В	4030	951	248	100	55.6	36.5	LUX
W	4480	1177	299	127	67.4	43	LUX
RGBW	12770	3310	825	367	254	127.2	LUX

## 9. KEY FEATURES

- 24 x 5W Quad LEDs
- 6 Operation Modes
- 3 Pin XLR Input & Output
- Zoom Lens (10° to 60° beam angle)
- DMX Control
- Double Bracket for Truss and Floor Mounting
- Gel Frame Included
- Built-in microphone
- 4-Button LED Digital Display (MODE, SETUP, UP, DOWN)

# **10. TECHNICAL SPECIFICATIONS**

**MODEL:** LED MAX ZOOM QUAD **LAMP:** 24 x 5W Quad LEDs

OPERATING TEMPERATURE: -25°C to 45°C

VOLTAGE: 120VAC 60Hz 125W

FUSE: 3A

**DIMENSIONS:** 11.8" x 10.6" x 8.7" / 300 x 269 x 221 mm

PACKING DIMENSIONS: 16"x14"x11" / 400 x 350 x 280 mm

NET WEIGHT: 14.8 lbs / 6.71 kg GROSS WEIGHT: 16 lbs / 7.3 kg WARRANTY: 2 Year Limited Warranty

### 11. MAINTENANCE AND CLEANING

The following points have to be considered during the inspection:

- 1) All screws for installing the device or parts of the device must be tightly connected, and must not be corroded.
- 2) There must not be any deformations on the housing, colour lenses, fixations or installation spots (ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage must be handled by a skilled installer or technician. Any safety issues must be resolved.



# CAUTION DISCONNECT POWER BEFORE SERVICING.

In order to keep the fixture in good condition and extend the life, we suggest regular cleaning to the fixture.

- 1) Clean the inside and outside lens each week to avoid the light output from darkening due to accumulation of dust, dirt, etc.
- 2) Clean the fan each week.
- A detailed electrical check by approved technician every three months is advised. Ensure the circuit contacts are in good condition, and prevent from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.

There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions".

Should you need any spare parts, please order genuine MICROH parts from your local dealer.

IF YOU SHOULD EXPERIENCE ANY PROBLEMS OR ISSUES PLEASE CONTACT MICROH PROFESSIONAL PRODUCTS BY EMAIL AT info @microhpro.com

In the event that your unit is defective in any way, please contact your local dealer to obtain an RA number for service repair.

DISCLAIMER – MICROH believes that the information contained within this user manual is accurate. However, Microh is not responsible for any error or addendums to this manual. If you have any comments or general suggestions on how this manual can be improved please contact <u>info@microhpro.com</u>. Thank you.