



User Manual: Squared X-tra 40 Bar 12

SquareLED X-tra 40 Bar 12

TILT | ZOOM | SEAMLESS



USER MANUAL

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INTRODUCTION

Thank you for having chosen our LED lighting

Unpack the device, inside the box you should find:

The fixture device

One power cable

One XLR connection cable

This manual

Please check carefully that there is no damage caused by transportation. Should there be any problems, consult your dealer and don't install this device.

DESCRIPTION

Features

- Light source: 12x40W RGBW Osram LED, Tilt zoom Seamless combination Bar
- Lamp lifetime: more than 20000 hours
- Scan rate 2000HZ
- input voltage: 110-240V AC,50-60HZ
- Max power 550W
- Electronic zoom: 3.5-40 Degrees
- Channel: 20/61 Channel mode
- Tilt Motor: 230 degrees
- Weight : 14KG
- size: 100*10*30cm
- IP Rating: IP20

SAFETY INSTRUCTIONS

This device has left the factory in 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.

This device falls under protection-class I. Therefore it is essential that the device should be earthed.

The electric connection must carry out by qualified person.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

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

Important

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.

DMX-512 control connection

The product has a DMX 512 input fitted with 3-pin XLR connectors. Screened cables in compliance with EIA RS-485 specifications and the following characteristics must be used for connections:

- 2 conductors plus screen
- 120Ohm impedance
- low capacitance
- max. transmission rate 250kBaud.

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 OHM resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

Operation

Display Menu

Main menu	Sub-menu	Level 2 menu	Parameter
DMX Address	001 - 512		
Fixture	Ch Mode	STD/EXT	
	Run Mode	DMX/Host/Sound	
	Tilt Inv	Close/Open	
Manual	Tilt	0 - 255	
	Tilt Fine	0 - 255	
	.	0 - 255	
	.	0 - 255	
	.	0 - 255	
Information	Time	Current Time	xxxh
		Total Time	xxxh
		Power Count	xxx
	Sensor	Tilt	TRUE/FALSE
		Zoom1	TRUE/FALSE
		Zoom2	TRUE/FALSE
		Temp	TRUE/FALSE
	Temperature	Head Temp	xxx C
	Software Version	Panel	Vx.xxx
Dimmer		Vx.xxx	
Factory	Password	0 - 255	
	Tilt	0 - 255	
	Zoom1	0 - 255	
	Zoom2	0 - 255	
	Red	0 - 255	
	Green	0 - 255	
	Blue	0 - 255	
	White	0 - 255	
Fixture Reset	Reset	Run/OFF	
	Factory	Run/OFF	
Display	Language	EN/CH	
	Display Flip	Normal/Reverse	
	Display Mode	Show/60s	

Main functions

1. address:Current DMX address

A.Setting DMX address by button

press **ENTER** button when show the **address** menu, then adjust the DMX address by pressing **[UP]** or **[DOWN]** button

Press **[ENTER]** to confirm or pressing **[ESC]** to return to main menu.

B.Setting DMX address by controller

1.Set the DMX value of channel 5 to 10-15,channel 17 to 20-26, channel 7 to 30-36,channel 8 to 40-46,then the devices connected to the controller will enter to the setting address mode

2. Set the DMX value of **channel 1** from 0-59,then you will see the the first number of the Address change to (channel 1 vaule)/10.

For example,when set the value of channel 1 to 20,the first DMX address number will be $2(20/10=2)$,

3. Set the DMX value of **channel 2** from 0-99,then you will see the the sencond number of the Address change to (channel 2 vaule)/10.

For example,when set the value of channel 2 to 30,the first DMX address number will be $2(30/10=3)$,

4.Set the DMX value of **channel 3** from 0-99,then you will see the the third number of the Address change to (channel 3 vaule)/10.

For example,when set the value of channel 1 to 40,the first DMX address number will be $3(40/10=4)$,

And the DMX address you set by conctroller will be 234.

5. Set the DMX value of **channel 4** to 255,then you will save the DMX address setted by the controller.

Caution: It won't save the address if the address number is over 512

6. set the value of channel 5-8 out of the value range show on the step 1,and the device will exit the setting address mode

2. Config

Setting DMX mode

press **ENTER** button when show the **channel** menu, then select the DMX mode by pressing **[UP]** or **[DOWN]** button

Setting Dimmer Curve

press **ENTER** button when show the **dimmer curve** menu, then select the dimmer curve by pressing **[UP]** or **[DOWN]** button

Setting Cipher

press **ENTER** button when show the **cipher setup** menu, then setup cipher by pressing **[UP]** or **[DOWN]** button

Key mode

press **ENTER** button when show the **key mode** menu, then select lock or unlock by pressing [**UP**] or [**DOWN**] button

Show Temperature

press **ENTER** button when show the **Temp Uint CS** menu, select the way of showing the fixture's temperature in °C or °F by pressing [**UP**] or [**DOWN**] button

DMX status

press **ENTER** button when show the **DMX Status** menu, then select clear value or hold value by pressing [**UP**] or [**DOWN**] button

DMX direct

press **ENTER** button when show the **DMX direct** menu, then select DMX direct positive or negative by pressing [**UP**] or [**DOWN**] button

Display mode

press **ENTER** button when show the **Display Mode** menu, then select auto or on by pressing [**UP**] or [**DOWN**] button

3. System info

Temperature

press **ENTER** button when show the **Temperature** menu, then it will show the temperature of the fixture

Fixture time

press **ENTER** button when show the **Fixture time** menu, then it will show how long time of the fixture already used

4. Color menu

press **ENTER** button when show the **Color** menu, press **Enter** button to select the color mode, then adjust the color by pressing [**UP**] or [**DOWN**] button

5. White balance

press **ENTER** button when show the **white balance** menu, press **Enter** button to select the color mode, then adjust the color by pressing [**UP**] or [**DOWN**] button

6. Static test

press **ENTER** button when show the **static test** menu, select different color by pressing [**UP**] or [**DOWN**] button

7. Auto test

press **ENTER** button when show the **auto test** menu, select test mode by pressing **[UP]** or **[DOWN]** button

8. Factory setting

press **ENTER** button when show the **Factory setting** menu, adjusting color cablir by pressing **[UP]** or **[DOWN]** button

DMX functions and values

Standard mode (20CH)	Chanel name	Value	Function
1	Tilt	0 - 255	Vertical rotation
2	TiltFine	0 - 255	Vertical fine-tuning
3	Tilt-Speed	0 - 255	Vertical motor speed
4	Zoom All	0 - 255	Enlarge the whole
5	Zoom1	0 - 255	Zoom in 1
6	Zoom2	0 - 255	Zoom in 2
7	Dimmer	0 - 255	Dimming 8bit
8	DimFine	0 - 255	Dimming 16bit
9	Strobe	0 - 3	shut down
		4 - 103	Regular stroboscopic, the speed changes from slow to faster
		104 - 107	turn on
		108 - 207	Pulse stroboscopic, the speed changes from slow to fast
		208 - 212	turn on
		213 - 225	Random slow strobe
		226 - 238	Random medium speed strobe
		239 - 251	Random fast strobe

		252 - 255	turn on
10	Red	0 - 255	red
11	Green	0 - 255	green
12	Blue	0 - 255	blue
13	White	0 - 255	white
14	Inner Effect		Built-in effect selection
		0 - 10	no effect
		11 - 13	Static effect 1
		14 - 16	Static effect 2
	
		67 - 70	Static effect 20
		71 - 72	Dynamic effect 1
		73 - 75	Dynamic effect 2
	
		188 - 190	Dynamic effects 40
		191 - 193	Dynamic color effect 1
	
		218 - 220	Dynamic color effect 10
221 - 255	Dynamic color effect 11		
15	Effect Speed	0 - 255	Dynamic effect speed (from slow to fast)
16	LED Mirror	0 - 255	LED lamp beads left and right mirroring
17	ForColor	0 - 255	Foreground color macro
18	BackColor	0 - 255	Background color macro
19	BackColor Dimmer	0 - 255	Background dimming
20	Function		Features
	Fixture Reset	101-120	Fixture reset
	Reserve	Other	No effect

Extended mode(60CH)	Chanel name	Value	Function
1	Tilt	0 - 255	Vertical rotation
2	TiltFine	0 - 255	Vertical fine-tuning
3	Tilt-Speed	0 - 255	Vertical motor speed
4	Zoom1	0 - 255	Zoom in 1
5	Zoom2	0 - 255	Zoom in 2
6	Dimmer	0 - 255	Dimming 8bit
7	DimFine	0 - 255	Dimming 16bit
8	Strobe	0 - 3	shut down
		4 - 103	Regular stroboscopic, the speed changes from slow to faster
		104 - 107	turn on
		108 - 207	Pulse stroboscopic, the speed changes from slow to fast
		208 - 212	turn on
		213 - 225	Random slow strobe
		226 - 238	Random medium speed strobe
		239 - 251	Random fast strobe
		252 - 255	turn on
9	Red	0 - 255	red
10	Green	0 - 255	green
11	Blue	0 - 255	blue
12	White	0 - 255	white
13	LED1 Red	0 - 255	LED1 red
14	LED1 Green	0 - 255	LED1 green
15	LED1 Blue	0 - 255	LED1 blue
16	LED1 White	0 - 255	LED1 white
17	LED2 Red	0 - 255	LED2 red
18	LED2 Green	0 - 255	LED2 green

19	LED2 Blue	0 - 255	LED2 blue
20	LED2 White	0 - 255	LED2 white
...
57	LED12 Red	0 - 255	LED12 red
58	LED12 Green	0 - 255	LED12 green
59	LED12 Blue	0 - 255	LED12 blue
60	LED12 White	0 - 255	LED12 white
61	Function		Features
	Fixture Reset	101-120	Fixture reset
	Reserve	other	No effect

CLEANING AND MAINTENANCE

We recommend a frequent cleaning of the device. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

CAUTION! Disconnect from mains before starting maintenance operation.

There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

If you need any spare parts, please use genuine parts.

If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards.

If you have further questions, please contact your dealer.

INSTALLATION

The device must only be installed at a vibration-free, oscillation-free and fire-resistant location.



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