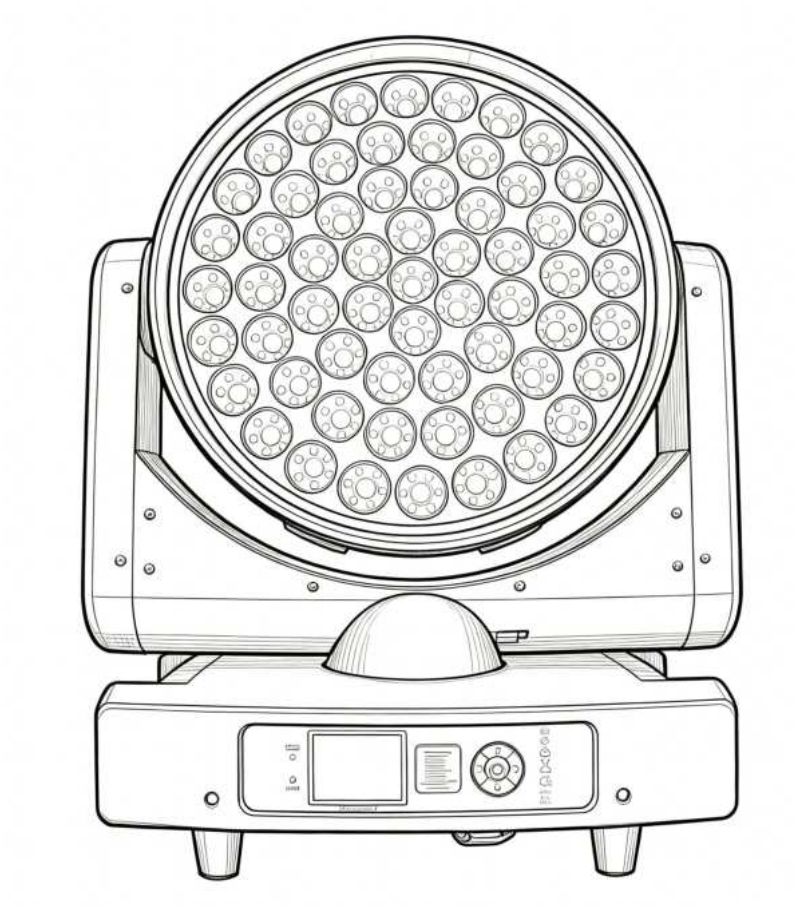
AURA 6125

61pcs 25W RGBW Pixel LED

Background RGB LED+Ring RGB LED

Zoom Wash Moving head Light



User Manual

Ver1.0

Table of contents

INTRODUCTION ……..2

SAFETY INSTRUCTIONS……2

OPERATING DETERMINATIONS……..2

DESCRIPTION OF THE DEVICE……3

INSTALLATION……..3

OPERATION……..4

STAND ALONEOPERATION…… ……4

MASTER SLAVE OPERATION……..4

DMX CONTROL OPERATION……..4

ADDRESSING……..4

CONTROL BOARD……..4

DMX PROTOCOL ……..6

TECHNICAL SPECIFICATIONS……15

CAUTION !

Keep this device away from rain and moisture

Unplug mains lead before opening the housing

For your own safety, please read this user manual carefully before you initially start-up

Every person involved with installation. operation and maintenance of this fixture has to

- be qualified
- follow the instruction 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 to every future owner or use of the product

INTRODUCTION

Thank you for choosing our fixture, if you follow up the instruction given in this manual we be sure that you will enjoy this product for a long period of time

SAFETY INSTRUCTION

CAUTION!

Be careful with your operations, With a dangerous voltage you can suffer a dangerous electric shock when touching the wires.

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 instruction and warning notes written in this user manual.

Important: Damages caused by the disregard of this user manual are not subject o warranty, the dealer will not accept liability for any resulting defects of problem. If the device had been exposed to drastic temperature fluctuation (e.g. after transportation),do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it had reached room temperature. Please make sure that there are no obvious transport damages, should you notice any damages on the AC connection cable or on the casing, do not take the device into operation and immediately consult your local dealer.

OPERATING DETERMINATIONS

This device is designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects. Do not shake the device. Avoid brute force when installing or operation the device. Never lift the fixture by holding it at the projector-head. As the mechanics may be damaged. When choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. There should not be any cable lying around. Please make sure that the fixture can not be touched or bumped. Your endanger your own and the safety of others.

DESCRIPTION OF THE DEVICE

Features

* 90-240V AC, 50/60Hz
* Power consumption:1400W
* Main LEDs: 61pcs * 25W RGBW 4-in-1 LEDs,CTO : 8000-2500K
* Background LEDs: 366pcs * 0.2W RGB 3-in-1 LEDs
* Outer Ring LEDs: 94pcs * 0.2W RGB 3-in-1 LEDs
* 79,780.00Lux@3m@15°
* Zoom Beam Angle：15°-55°
* DMX Channels: 34/35/48/49 Channel Modes
* Pixel Mode:183/244 Channel Modes
* Control Signal: DMX512, RDM,Master/Slave,Manual or Auto Mode
* Dyeing function: RGBW color mixing system, uniform color mixing without flicker, fast color rainbow effect,different matrix point control shape combinations effect
* 0~100% electronic zoom system
* 1~25Hz electronic strobe with random multi-strobe effects
* 0-100% electronic dimmer with 16bit smooth dimming mode
* 540 degree PAN and 270 degree tilt movement,3-motor,16bit smooth motion control
* Protection Rating: IP20
* Operating Temperature: -20°C to 40°C
* Product Size: 50×40×62 cm, N.W.: 23.80 kg

INSTALLATION

Rigging

The installation of the projector has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

IMPORTANT!OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and or damage to property. The projector had to be installed out of the reach of people

DANGER OF FIRE! When installing the device, make sure there is no highly-inflammable material(decoration articles, etc.)within a distance of min.0.5m.

DMX 512 connection/ connection between fixture

The wires must not come into contact with each other, otherwise the fixture will not work at all or properly. Please note the starting address depends upon which controller is being used. Only use a DMX cable and 3-pin/5-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture to another Connection with the mains.

Occupation of the XLR-connection:

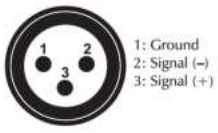
DMX-output

XLR mounting-socket:



DMX-input

XLR mounting-plug:



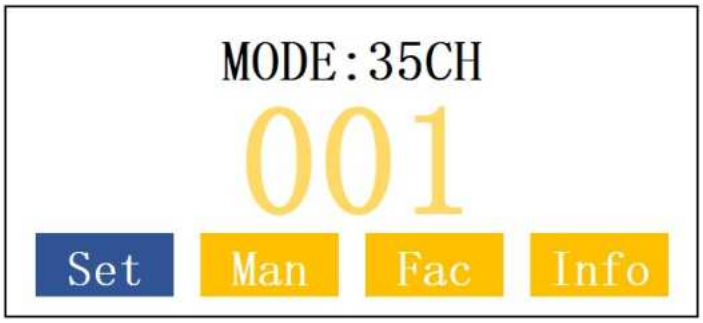
The occupation of the connection-cables is as follows:

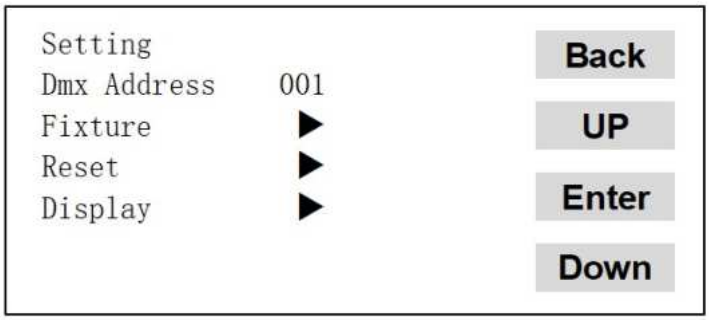
Cable	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	⏚

The earth has to be connected. The device must only be connected with an electric installation carried out in compliance with IEC standards.

OPERATION

After you connected the effect to the mains, the power cable must be 1.5mm².The fixture starts running.





Stand Alone operation

In the stand alone mode, the fixture can be use without controller

Master/slave-operation

The master/slave-operation enables that several devices can be synchronized and controlled by one master-device

DMX controlled operation

You can control the projectors individually via your DMX-controller

Addressing

The control board allows you to assign the DMX starting address,

Note;it's necessary to insert the XLR termination plug (with 120ohm) in the last device in the link in order to ensure proper transmission on the DMX data link.

MENU MAP

Main Menu		Second	Third	Fourth
Setting	Dmx Address	001 - 512		DMX address setting
	Fixture	Dmx Mode	34CH/35CH/48CH/49CH	
		Pixel Mode	244CH/183CH/OFF	
		Run Mode	DMX/ Auto	
		Pan Invert	OFF/ON	
		Tilt Invert	OFF/ON	
		Zoom Invert	OFF/ON	
		No Signal	CLEAR/KEEP	
		Fan Control	Auto/High/Silent	

		Touch Adjust	000-255	Enter password 122 to calibrate the touchscreen.
		Frequency	20K/40K/5K/10K	
	Reset	All Reset	OFF/RUN	
		Factory	OFF/RUN	
	Display	Language	EN/CH	
		Display Flip	OFF/ON	
		Display Mode	60s/Show	
Man	Manual	Red	000-255	Test function
		Red Fine	000-255	
		Green	000-255	
		Green Fine	000-255	
		Blue	000-255	
		Blue Fine	000-255	
		White	000-255	
		White Fine	000-255	
		CTO	000-255	
		Macro Color	000-255	
		Strobe	000-255	
		Dimmer	000-255	
		Dimmer Fine	000-255	
		Pan	000-255	
		Pan Fine	000-255	
		Tilt	000-255	
		Tilt Fine	000-255	
		Reserved	000-255	
		Reset	000-255	
		Zoom	000-255	
		Frequency	000-255	
		Back Light Strobe	000-255	
		Back Light Dimmer	000-255	
		Back Light Red	000-255	
		Back Light Green	000-255	
		Back Light Blue	000-255	
		Back Light Effect	000-255	
		Back Light Speed	000-255	
		Halo Strobe	000-255	
		Halo Dimmer	000-255	
		Halo Red	000-255	
		Halo Green	000-255	
		Halo Blue	000-255	
		Halo Effect	000-255	
		Halo Speed	000-255	
Fac	Factory	Password	000-255	Calibration to standard position /standard value Password Code= 122
		Pan	000-255	
		Tilt	000-255	
		Zoom	000-255	
		Red	000-255	
		Green	000-255	
		Blue	000-255	
		White	000-255	
Info	Time	Current Time	xxxH	Single Fixture Runtime
		Total Time	xxxH	Total fixture hours
		Power Count	xxx	Number of switches
	Sensor	Sensor Detection	Pan	Kanalfehler
			Tilt	
			Zoom	
	Temperature	Head Temp	xxxC	Inside temperature
	Software Version	Panel	Vx.xx	Software version number
		Motor	Vx.xx	

		Dimmer1	Vx.xx	

DMX-protocol

34/35/48/49/183/244 DMX channel mode

Channel mode				Pixel Mode			
34Ch	**35Ch**	**48Ch**	**49Ch**	**183Ch**	**244Ch**	**Value**	**Description**
1	1	1	1				**Red**
						0-255	Linear 0~100%
				35	35		**Red 1**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
						Pixel channel may follow up the current DMX channel Seq. as start from channel 35/36/48/49 (while 34ch/35ch/48ch/49ch corresponding mode in selected)	
2	2	2	2				**Red fine**
						0-255	Red fine(16 bit)
3	3	3	3				**Green**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
				36	36		**Green 1**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
4	4	4	4				**Green fine**
						0-255	Green fine(16 bit)
5	5	5	5				**Blue**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
				37	37		**Blue 1**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
6	6	6	6				**Blue fine**
						0-255	Blue fine(16 bit)
7	7	7	7				**White**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
					38		**White 1**

						0-255	Gradual adjustment of the intensity from 0 to 100 %
8	8	8	8				**White fine**
						0-255	White fine(16 bit)
				38	39		**Red 2**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
				39	40		**Green 2**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
				40	41		**Blue 2**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
					42		**White 2**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
... ...							
				178	237		**Red 60**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
				179	238		**Green 60**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
				180	239		**Blue 60**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
					240		**White 60**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
				181	241		**Red 61**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
				182	242		**Green 61**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
				183	243		**Blue 61**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
					244		**White 61**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
9	9	9	9				**Linear CTO**
						0-9	No Function
						10-255	Linear CCT Adjustment
10	10	10	10				**Macro Colour**

						0-9	Macro colour OFF
						10-10	Red
						11-11	Green
						12-12	Blue
						13-13	Cyan
						14-14	Yellow
						15-15	Magenta
						16-16	White 7000 K
						17-17	White 3700 K
						18-18	White 5000 K
						19-19	Green
						20-22	Medium Yellow
						23-26	Straw Tint
						27-28	Surprise Peach
						29-29	Fire
						30-30	Medium Amber
						31-31	Gold Amber
						32-34	Dark Amber
						35-44	Sunrise Red
						45-45	Light Pink
						46-48	Medium Pink
						49-61	Pink Carnation
						62-67	Light Lavender
						68-77	Lavender
						78-88	Sky Blue
						89-99	Just Blue
						100-109	Dark yellow green
						110-111	Spring Yellow
						112-1112	Light Amber
						113-113	Straw
						114-114	Deep Amber
						115-116	Orange

						117-117	Light Rose
						118-118	English Rose
						119-119	Light Salmon
						120-120	Middle Rose
						121-122	Dark Pink
						123-124	Magenta
						125-125	Peacock Blue
						126-126	Med Blu Green
						127-127	Steel Blue
						128-128	Light Blue
						129-130	Dark Blue
						131-133	Leaf Green
						134-135	Dark Green
						136-137	Mauve
						138-141	Bright Pink
						142-144	Medium Blue
						145-145	Deep Golden Amber
						146-146	Pale Lavender
						147-148	Special lavender
						149-150	Primary Green
						151-156	Bright Blue
						157-161	Apricot
						162-167	Pale Gold
						168-171	Deep Orange
						172-173	Bastard Amber
						174-174	Flame Red
						175-178	Daylight Blue
						179-179	Lilac Tint
						180-183	Deep lavender
						184-190	Dark Steel Blue
						191-206	Congo Blue
						207-207	Alice Blue

						208-208	Dirty White
						209-255	White
11	11	11	11				**Strobe**
						0-3	Lighting off
						4-103	Synchronous strobe speed is ranging from slow to fast
						104-107	Light ON
						108-207	Flat-split strobe speed is ranging from slow to fast
						208-212	Light ON
						213-225	Random Strobe at low frequency
						226-238	Random Strobe at medium frequency
						239-251	Random Strobe at high frequency
						252-255	Light ON
12	12	12	12				**Dimmer**
						0-255	100% linear dimming
13	13	13	13				**Dimmer fine**
						0-255	Dimmer fine（16bit
14	14	14	14				**Pan**
						0-255	Pan CCW movement/positioning from 0° to 540°(default setting)
15	15	15	15				**Pan fine**
						0-255	Horizontal fine-tuning control
16	16	16	16				**Tilt**
						0-255	Tilt CCW movement/positioning from 0° to 268° (default setting)
17	17	17	17				**Tilt fine**
						0-255	Fine Tilt positioning
18	18	18	18				**Function**
						0-102	No Function
						103-105	Point Control Mode
						106-255	No Function
19	19	19	19				**Reset**
						0-229	No Function
						230-240	Reset
						241-255	No Function

20	20	20	20				**Zoom**
						0-255	Linear (narrow 000 to wide 255)
		21	21				**Shape selection**
						0-7	No functional
						8-70	Shape rotation
						71-255	No functional
		22	22				**Shape speed**
						0-63	shape transformation
						64-158	Shape counterclockwise transformation from fast to slow
						159-160	Stop
						161-255	The shape changes clockwise from slow to fast
		23	23				**Shape fade**
						0-255	Shape effect is downplayed
		24	24				**Shape R**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
		25	25				**Shape G**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
		26	26				**Shape B**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
		27	27				**Shape W**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
		28	28				**Shape Dimmer**
						0-255	Gradual adjustment of the intensity from 0 to 100 %
		29	29				**Background dimmer**
						0-255	Background for 0-100% dimming
		30	30				**Shape transition**
						0-255	The shape effect change control
		31	31				**Shape offset**
						0-255	The shape effect change control
		32	32				**Foreground strobe**
						0-3	Lighting off
						4-103	Synchronous strobe speed is ranging from slow to fast

						104-107	Light ON
						108-207	Flat-split strobe speed is ranging from slow to fast
						208-212	Light ON
						213-225	Random Strobe at low frequency
						226-238	Random Strobe at medium frequency
						239-251	Random Strobe at high frequency
						252-255	Light ON
		33	33				**Background strobe**
						0-3	Lighting off
						4-103	Synchronous strobe speed is ranging from slow to fast
						104-107	Light ON
						108-207	Flat-split strobe speed is ranging from slow to fast
						208-212	Light ON
						213-225	Random Strobe at low frequency
						226-238	Random Strobe at medium frequency
						239-251	Random Strobe at high frequency
						252-255	Light ON
		34	34				**Background select**
						0-255	Background selection
	21		35				**Frequency**
						0-9	Default
						10-69	5K
						70-129	10K
						130-189	20K
						190-255	40K
21	22	35	36				**RGB LED Strobing RGB LED**
						0-3	Lighting off
						4-103	Synchronous strobe speed is ranging from slow to fast
						104-107	Light ON
						108-207	Flat-split strobe speed is ranging from slow to fast
						208-212	Light ON
						213-225	Random Strobe at low frequency

						226-238	Random Strobe at medium frequency
						239-251	Random Strobe at high frequency
						252-255	Light ON
22	22	36	37				**RGB LED dimming RGB LED**
						0-255	Auxiliary light linear dimming
23	24	37	38				**RGB LED Red**
						0-255	RGB LED 1 Red dimming
24	25	38	39				**RGB LED Green**
						0-255	RGB LED 1 Green dimming
25	26	39	40				**RGB LED Blue**
						0-255	RGB LED 1 Blue dimming
26	27	40	41				**RGB LED Effects RGB LED**
						0-0	No functional
						1-15	Effect 1
						16-25	Effect 2
						26-50	Effect 3
						51-75	Effect 4
						76-100	Effect 5
						101-125	Effect 6
						126-150	Effect 7
						151-175	Effect 8
						176-200	Effect 9
						201-225	Effect 10
						226-250	Effect 11
						251-255	Effect 12
27	28	41	42				**RGB LED Effect Speed RGB LED**
						0-255	RGB LED Effect Speed
28	29	42	43				**Ring RGB LED Strobe**
						0-3	Lighting off
						4-103	Synchronous strobe speed is ranging from slow to fast
						104-107	Light ON
						108-207	Flat-split strobe speed is ranging from slow to fast

						208-212	Light ON
						213-225	Random Strobe at low frequency
						226-238	Random Strobe at medium frequency
						239-251	Random Strobe at high frequency
						252-255	Light ON
29	30	43	44				**Ring RGB LED Dimming**
						0-255	Ring RGB LED Linear dimming occrus from dark to light
30	31	44	45				**Ring RGB LED Red**
						0-255	Ring RGB LED Red dimming
31	32	45	46				**Ring RGB LED Green**
						0-255	Ring RGB LED Green dimming
32	33	46	47				**Ring RGB LED Blue**
						0-255	Ring RGB LED Blue dimming
33	34	47	48				**Ring RGB LED Effects**
						0-0	No functional
						1-15	Effect 1
						16-25	Effect 2
						26-50	Effect 3
						51-75	Effect 4
						76-100	Effect 5
						101-125	Effect 6
						126-150	Effect 7
						151-175	Effect 8
						176-200	Effect 9
						201-225	Effect 10
						226-250	Effect 11
						251-255	Effect 12
34	35	48	49				**Ring RGB LED Effect Speed**
						0-255	Ring RGB LED Effect & Speed

In DMX 48/49-channel mode:First activate channels 28/32 (dimmer & strobe),then channels 24/25/26/27 (R/G/B/W),and finally channels 21/22/23 (shape selection, speed & fade).
If needed, the background light can be reduced to fewer light rings.With certain macro functions, the image can be mirrored between the front and rear halves of the head.In this case, the RGBW channels control the color of the mirrored half, while the background light remains black.(See table below for details.)
For combined foreground & background light:

In DMX 48/49-channel mode:First activate channels 28/29/32/33 (dimmer & strobe),then channels 1/3/5/7 (background) and 24/25/26/27 (foreground),and finally channels 21/22/23 (shape selection, speed & fade).
Pixel channel need to be enabled through the 18 channel of FUNCTION (bit 103-105)

TECHNICIAL SPECIFICATIONS

Model	M WASH 6125ZR LED Wash Moving Head
Voltage	90V- 240V AC, 50/60Hz
Power consumption:	1400W
LED	Main LEDs: 61pcs * 25W RGBW 4-in-1 LEDs
	Background LEDs: 366pcs * 0.2W RGB 3-in-1 LEDs
	Outer Ring LEDs: 94pcs * 0.2W RGB 3-in-1 LEDs
Net Weight	23.80Kgs
Dimensions	50×40×62 cm