



TitanWash™ Matrix4



User Manual

Introduction

Thank you for purchasing the OMEZ TitanWash™ Matrix4. This moving head is characterized by its exceptionally bright RGBW LED's. The OMEZ TitanWash™ Matrix4 is controlled by DMX 512 in 20/40 Ch. Mode, internal program, and sound active.

The OMEZ TitanWash™ Matrix4 features (18) 15w LED's that projects a high quality long, bright range wash and lens effect.

The OMEZ TitanWash™ Matrix4 features; RGBW color mixing, color pulse, color change, and color scroll to catch the eye of your audience. This fixture is designed for easy transport 2 unit road case for mobile DJ's, VJ's, KJ's, and Production companies.

The OMEZ TitanWash™ Matrix4 is the industry standard in T.V., reality shows, Arenas, Concert halls, Banquet halls, Performing arts theaters, Nightclubs, and Entertainment venues.

Omez Guarantee

This OMEZ TitanWash™ Matrix4 has met all quality control requirements when tested in our factory and is known to be in perfect condition when shipped to our warehouse in El Monte, California. In order to guarantee the condition of the fixtures, we conduct final QC inspections upon arrival to our facility before deeming the product salable. In order to ensure the safe operation of this OMEZ TitanWash™ Matrix4, it is absolutely necessary for the user to follow the safety instructions and warnings written in this user manual.

Contents

Introduction/Omez Guarantee.....	1
Safety information	2
Included in package	3
Features	4
LCD	5
DMX Channels	6
Installation	7
Cleaning & maintenance	8

(Before plugging in the fixture, please the read manual)

2 Safety Information



WARNING!
Read the safety precautions in this section before installing, powering, operating or servicing this product.

After receiving the fixture, please unpack and check if there is any damage due to transportation. If any obvious damage or flaw is found, do not put it into use and contact the distributor or manufacturer as soon as possible.



This fixture is intended for professional use only. When operating the fixture, attentions should be drawn to fire/electrical shock hazards, ultraviolet radiation, lamp shattering or lethal injuries caused by fall.



Read this User Manual before mounting and energizing the fixture. Observe the safety guideline and notice the warnings both in this User Manual and on the fixture. Yet any safety concerns not covered hereby, contact the distributor or service hot-line.

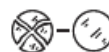


Protection against over heat

The fixture is intended for indoor application, its protection rating is IP20. The fixture should be kept dry and avoid working in presence of moisture, over-heat or heavy smokes.

$t_a = 40^{\circ}\text{C}$

The natural working temperature should be lower than 40 degrees. If the ambient temperature exceeds 40 degrees, please stop operating the unit immediately.



Protection against explosion

Shields, lenses and ultraviolet screens must be replaced if they have become visible damaged to such an extent that their effectiveness is impaired. Replace the lamp immediately if it becomes visually deformed, damaged or in any way defected.



Protection against injury due to falls

Do not lift or carry the fixture alone. To inspect that the structure and the truss hooks are in good condition and can bear about 10 times the weight of the fixture. Ensure the cover and all riggings are securely fastened, safety wire is necessary to use as a secondary attachment. Block access below the working area and work from a stable platform while installing, servicing or moving the fixture.



Protection against ultraviolet radiation

Prolonged exposure to an unshielded discharged lamp can cause eye and skin burns. Do not stare directly into the light output. Never look at an exposed lamp while it is lit. Never operate the fixture with missing or damaged lenses and/or covers. Change the damaged head lens, shields or covers immediately.

The following symbols are used to identify important safety information on the product and in this manual:



Protection against electrical shock

All electrical connections must be performed by a qualified person with technical certificate.
 Make sure that the mains power supply you use is up to local construction and electronic code regulation, the over-load protection reliable earthing is essential.
 Each fixture must be grounded correctly, and be installed according to related regulation.
 Disconnect the fixture from AC power before removing or installing any cover or part, including the lamp and fuses, and when not in use.
 Do not expose the fixture to rain or moisture.

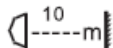


Protection against burning or fire

Please do not install the fixture onto combustible surface.
 Do not attempt to bypass the thermostat switch or fuse.
 Replace defective fuses with specified ratings only.
 Keep flammable materials far away from the fixture. Minimum distance from the flammable materials is 0.5m.
 The maximum working temperature of the exterior surface, under a thermally steady state, is 85°C.



Please don't touch the moving head during movement.
 Do not illuminate surfaces within 10 meters of the fixture. Prohibit projecting object in short distance.
 Ensure a minimum clearance of 0.1m around the cooling fans and ventilations.



Do not place any filter or other object onto the optical lens.
 Allow the fixture to cool for at least 15 minutes before transit.
 Do not revise the fixture or install any parts not from Guangzhou CHAI YI LIGHT Co.Ltd.

3. Included In Package

This box includes items listed below

Item	QTY	UNIT
User manual	1	PCS
Mounting Bracket	1	PCS
Power Cable	1	PCS
DMX cable	1	PCS

4. Features

- Modes: 20/40 Channels
- Lamp Type: LED 18/15W
- Life Span: 50,000 Hours
- 0-100% Linear Dimming
- Strobe Speed: 15 FPS
- Colors: RGBW Color Mixing
- Internal Effects: Scroll, Pulse, Change
- LCD Display
- Power Supply: 90-240V ~,50/60Hz
- Power Consumption: 300W
- Size: 33*23*39mm
- Net weight: 10kg
- CE & RoHS Compliant

5. LCD Screen

5.1 LCD

The LCD has 4 corresponding buttons menu, up, down, and enter. Press the menu button once, use the up, down buttons to scroll through the menu, Press enter sub menu.

5.2 Home Screen

In the home screen you will find

- Function
- Information
- Personality
- Reset
- Adjust
- Mode Set

5.3 LCD Menu Inst.

Option	Instruction	
Function	1-1	Set DMX Channel
	1-2	Change Channel value
	1-3	Set Slave Mode
	1-4	Set Auto Run
	1-5	Set Sound Active
Information	2-1	Temp Info
	2-2	Software Info
Personality	Status	Set Pan Rev.
		Set Tilt Rev.
		Set Pan Degree
		Set M Speed 1-2
		Set Mic Sensitivity
	Temp CF	Reload Default Parameters
Reset D	Reset To Default Parameter	
Reset		Reset All
Adjust	Calit Ch.	Password
		Pan
		Tilt
		Zoom Rotate
Mode		Standard 20 Ch. / Shape 40 Ch.

6. DMX Channels

Instruction			
Standard Ch.	Sharp Ch.	Value	Function
1	1	0-255	Pan
2	2	0-255	Pan Fine
3	3	0-255	Tilt
4	4	0-255	Tilt Fine
5	5	0-255	Pan Tilt Speed
6	6	0-255	Strobe
7	7	0-255	Master Dimmer
8	8	0-49	Dimmer 1
		50-99	Dimmer 2
		100-149	Dimmer 3
		150-255	Dimmer 4
9	9	0-127	Set Fixture
		128-190	Zoom Rotation Rev.
		191-192	Zoom rotation Stop
		193-255	Zoom Rotation Fwd.
10		0-255	Red
11		0-255	Green
12		0-255	Blue
13		0-255	White

Instruction			
Standard Ch.	Sharp Ch.	Value	Function
	10	0-255	Red Led 1
	11	0-255	Green Led 1
	12	0-255	Blue Led 1
	13	0-255	White Led 1
	14	0-255	Red Led 2
	15	0-255	Green Led 2
	16	0-255	Blue Led 2
	17	0-255	White Led 2
	18	0-255	Red Led 3
	19	0-255	Green Led 3
	20	0-255	Blue Led 3
	21	0-255	White Led 3
	22	0-255	Red Led 4
	23	0-255	Green Led 4
	24	0-255	Blue Led 4
	25	0-255	White Led 4
	26	0-255	Red Led 5
	27	0-255	Green Led 5
	28	0-255	Blue Led 5
	29	0-255	White Led 5
	30	0-255	Red Led 6
	31	0-255	Green Led 6
	32	0-255	Blue Led 6
	33	0-255	White Led 6

Instruction			
Standard Ch.	Sharp Ch.	Value	Function
14	34	0-4	No Function
		5-29	Red
		30-54	Green
		55-79	Blue
		80-104	White
		105-129	Color Effect 1
		130-154	Color Effect 2
		155-174	Color Effect 3
		175-179	Color Effect 4
		180-184	Color Effect 5
		185-189	Color Effect 6
		190-210	Color Effect 7
		211-255	Color Effect 8
15	35	0-4	No Function
		5-9	White 1
		10-14	White 2
		15-19	White 3
		20-24	White 4
		25-29	White 5
		30-34	White 6
		35-39	Color 1
		40-44	Color 2
		45-49	Color 3
		50-54	Color 4
		55-59	Color 5
		60-64	Color 6
		65-69	Color 7
		70-74	Color 8
		75-79	Color 9
80-84	Color 10		
85-89	Color 11		

Instruction			
Standard Ch.	Sharp Ch.	Value	Function
15	35	90-94	Color 12
		95-99	Color 13
		100-104	Color 14
		105-109	Color 15
		110-114	Color 16
		115-119	Color 17
		120-124	Color 18
		125-129	Color 19
		130-134	Color 20
		135-139	Color 21
		140-144	Color 22
		145-149	Color 23
		150-154	Color 24
		155-159	Color 25
		160-164	Color 26
165-169	Color 27		
170-255	Color Scroll		
16	36	0-255	Color Preset Dimmers
17	37	1-14	Turn Off LED
		15-30	Chase 1
		31-46	Chase 2
		47-62	Chase 3
		63-78	Chase 4
		79-94	Chase 5
		95-110	Chase 6
		111-126	Chase 7
		127-142	Chase 8
		143-158	Chase 9
		159-174	Chase 10
		175-190	Chase 11
191-206	Chase 12		

Instruction			
Standard Ch.	Sharp Ch.	Value	Function
17	37	207-222	Chase 13
		223-238	Chase 14
		239-255	Chase 15
18	38	0-125	Chase Fast To Slow Rev.
		126-130	Stop
		131-255	Chase Slow To Fast Fwd.
19	39	0-255	Chase Fade
20	40	0-79	No Change
		80-99	All Motor Reset
		100-255	No Change

7. Installation

Mounting the fixture in areas away from reach by unauthorized personnel is always recommended. Before mounting the fixture make sure that the area you are using can hold a minimum load of 5x the Fixtures weight. You must always use a secondary safety attachment, such as a safety cable. The OMEZ TitanWash™ Matrix4 is fully operational in any install position, including: hanging upside down on a truss or by setting it on a flat level surface. Always make sure that all fixtures are kept at least 0.5m away from any flammable materials

8. Cleaning & Maintenance

For best results this OMEZ TitanWash™ Matrix4 requires routine cleaning and maintenance. Excessive dust, smoke fluid, and particulate buildup will degrade the performance and will cause the fixture to overheat. The damage from this is not covered in the manufacture warranty. Always make sure you unplug the fixture before opening any covers for cleaning. Optical components should be cleaned carefully and do not use any harmful solvents to avoid damage. Remember to keep all air vents clean and free from clutter that will prevents constant air flow.

Omez Lighting reserves the right to make changes and/or improvements in design upon its products without any obligation to include these changes to any products theretofore manufactured. Please check our website, www.OmezLighting.com, regularly for any updates to manuals.

Warranty

Omez Lighting is dedicated to providing quality, affordable lighting products around the world. We stand behind all of our products and offer a 3 year warranty. Please read below for the terms and conditions of our warranty.

Omez Lighting, hereby warrants that this products shall be free of manufacturing defects in material and workmanship for a period of 3 years from the date of purchase. This warranty shall be valid only if the product is purchased from an authorized Omez Lighting dealer. Please contact OMEZ Lighting directly for all warranties. It is the purchaser's responsibility to provide acceptable proof of purchase that includes date and location of purchase.

For Warranty service please contact OMEZ lighting to obtain a Return Merchandise Authorization number (RMA#). You must include the RMA# when shipping product back to Omez. To contact the Omez Lighting Service Department, please email info@omezlighting.com or call 888-683-OMEZ. All shipping charges must be prepaid. If the requested repairs or services (including parts replacement) are within the terms of this warranty, Omez Lighting will pay return shipping charges (within the United States). Products must be shipped in the original package. It is recommended that accessories not be shipped with the product. Should any accessories arrive with the product, Omez Lighting is not liable for loss of or damage.

The warranty will be considered void if:

- There appears to be any tampering, altering, or removal of the original serial number;
- The product is modified or altered in any way, including the removal or covering of the Omez Branding;
- Any modifications are made that affects the reliability of the product;
- The product has been repaired or serviced by anyone other than Omez (unless prior written authorization by Omez);
- Or if the product is damaged because improper maintenance as set forth in the instruction manual.

Omez Lighting will replace or repair defective parts with new or refurbished parts, and will cover expenses for warranty services and repair caused by defects in material or workmanship. The responsibility of Omez Lighting under this warranty shall be limited to the repair or replacement of the product, including parts, at the sole discretion of Omez Lighting.

Omez Lighting reserves the right to make changes and/or improvements in design upon its products without any obligation to include these changes to any products theretofore manufactured. This warranty is the only written warranty applicable to Omez Lighting Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

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