

User Manual

Vari Wash 760(Pixel)



Check that the unit has not been damaged during transport



Read all cautions and warnings
prior to operation of this
equipment

Protection Against Fire



Fire

- Maintain a minimum of 1 50cm distance from any type of flame
- Replace fuse only with the specified type and rating
- Do not install the unit to close a heat source
- Make sure cable are properly secured away from unit movement
- Maximum surface operating temperature 80°

Protection Against Electrical



Electrical

- Disconnect power before servicing
- The unit must be earthed (electronically grounded)

Protection against Mechanical Hazards



Mechanical

- Use safety chain when hanging unit
- Use quality clamps or bolts when positioning unit
- Do not open unit while it is on, risk of electrical shock

Technical Information

Electrical

Power supply:.....electronic auto-ranging
Input voltage range:.....supply 100-250V, 50/60Hz
Power consumption:.....4500W

Optic

Light source: Osram 60W RGBW quad LED X7pcs
LED life expectancy: 60,000 hours
Lens: High precision optical lens
Strobe: Dual lens strobe (0.5-9times/second)
Dimmer: Smooth dimmer from 0-100%

Feature

Zoom: 4°-50°
Effect: Bee eye rotating lens; Sharp beam; Uniform wash 3in1 effects

Motorized

Pan movement range: 540°
Tilt movement range: 270°
8bit/16 bit movement solution, optional
Automatic Pan/Tilt position correction
Pan movement 0°-540°at max.....
Tilt movement 0°-270°at max.....

LCD operation

Built-in demo sequences
Strong three-phase pan/tilt motors
Stand-alone operation
Supported protocols: DMX512
5 DMX modes (21/35/42/49/63 control channels)

Connection

DMX data in/out: Locking 5-pin or 3-pin XLR
AC power input: PowerCON input+output

Rigging

Mounting points: 2 pairs of 1/4-turn locks
Mounting horizontally or vertically via 2 Omega brackets

Temperatures

Maximum ambient temperature: 45°C
Maximum housing temperature: 75°C

Minimum distances

Min. distance from flammable surfaces: 3.0m
Min. distance to lighted object: 2.0m

Dimension: 331x265x415mm
Weight (net): 12.8kg
Warranty: 1 Year



Main Power Connection

Caution!

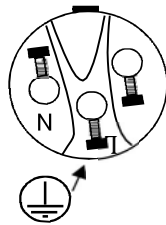
1. Do not connect fixture to dimmers system
2. This unit has auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (Electronically grounded)
4. Replace fuse only with the specified type and rating

The occupation of the connection-cable is as follows:

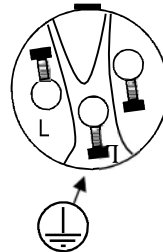
The equipment is with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to

Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	N
Green	Yellow/Green	Ground		

110V
Connection



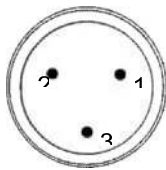
220V
Connection



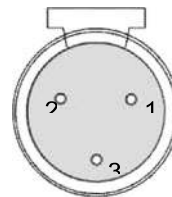
DMX-512 Connection

The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

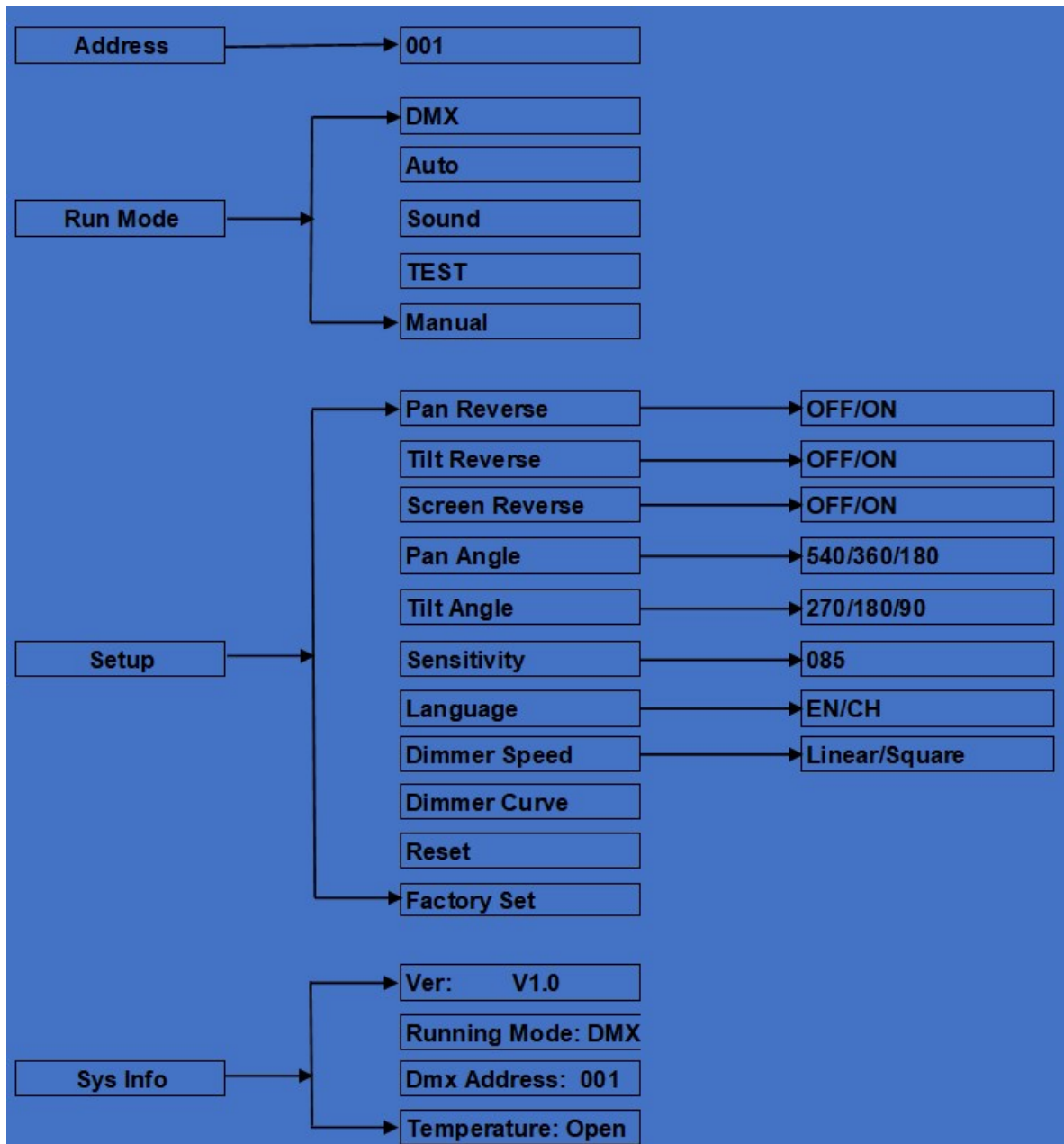
DMX—input DMX—output

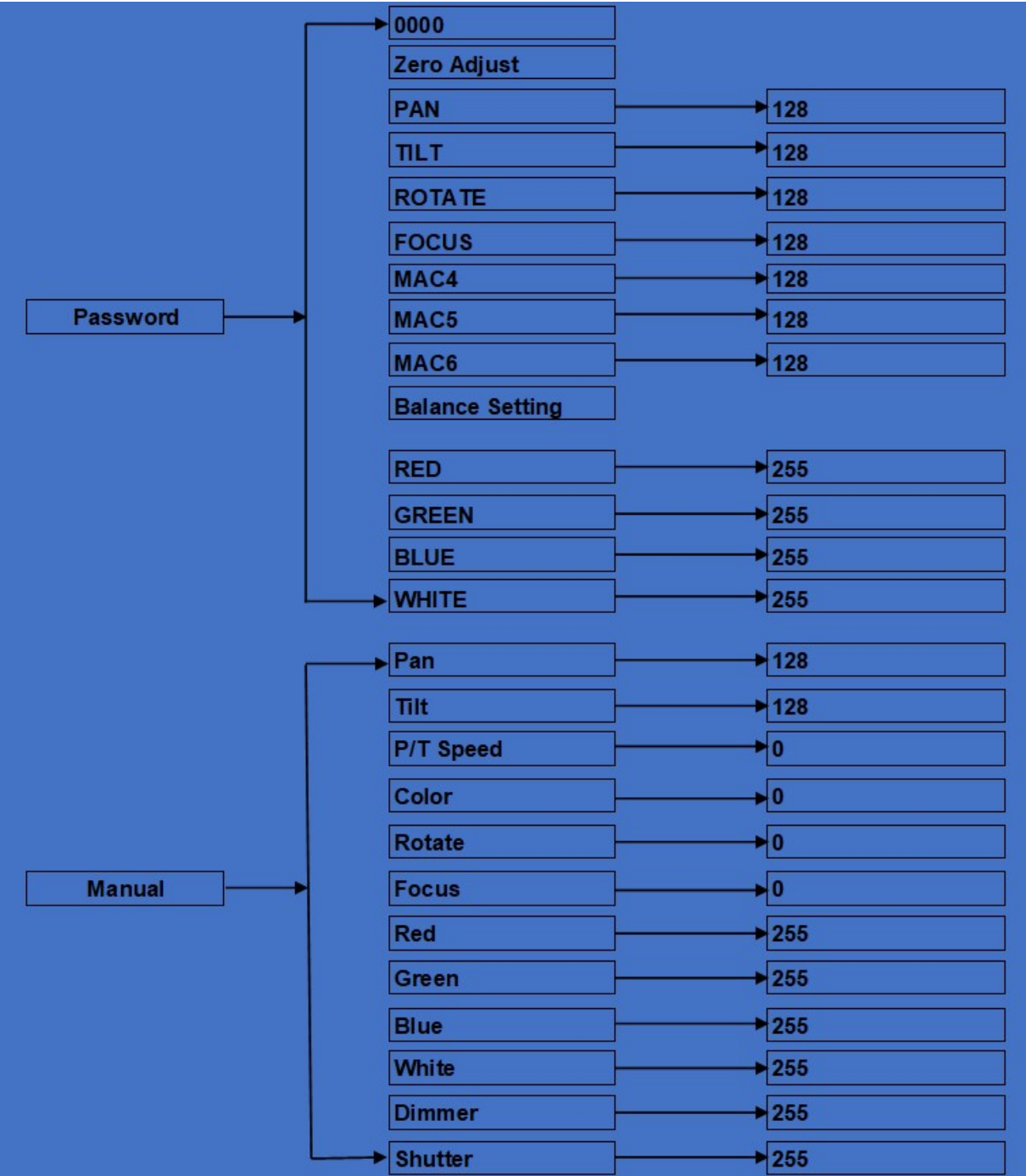


1. Shield
2. Signal (-)
3. Signal (+)



Menu Map





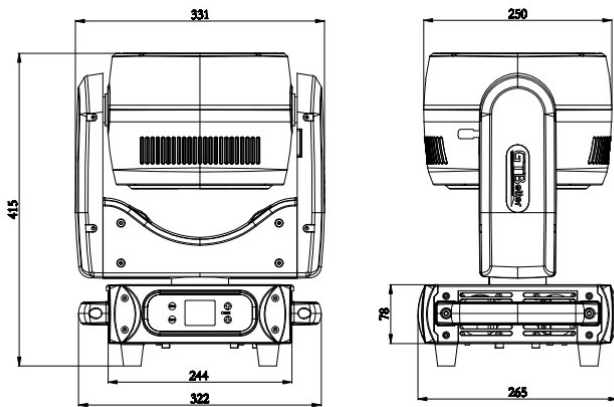
DMX Profile

21CH	35CH	42CH	49CH	63CH	Function	DMX Value	Description
1	1	1	1	1	LED Intensity	0-255	Red Color
2	2	2	2	2	LED Intensity Fine	0-255	Red Color Fine
3	3	3	3	3	LED Intensity	0-255	Green Color
4	4	4	4	4	LED Intensity Fine	0-255	Green Color Fine
5	5	5	5	5	LED Intensity	0-255	Blue Color
6	6	6	6	6	LED Intensity Fine	0-255	Blue Color Fine
7	7	7	7	7	LED Intensity	0-255	White Color
8	8	8	8	8	LED Intensity Fine	0-255	White Color Fine
9	9	9	9	9	Colors	0-4	No Function
						5-9	Color 1
						10-14	Color 2
						15-19	Color 3
						20-24	Color 4
						25-29	Color 5
						30-34	Color 6
						35-39	Color 7
						40-44	Color 8
						45-49	Color 9
						50-54	Color 10
						55-59	Color 11
						60-64	Color 12
						65-69	Color 13
						70-74	Color 14
						75-79	Color 15
						80-84	Color 16
						85-89	Color 17
						90-94	Color 18
						95-99	Color 19
						100-104	Color 20
						105-109	Color 21
						110-114	Color 22
						115-119	Color 23
						120-124	Color 24
						125-129	Color 25
						130-134	Color 26
						135-139	Color 27
						140-144	Color 28
						145-149	Color 29
						150-154	Color 30
						155-159	Color 31
160-164	Color 32						

						165-169	Color 33
						170-174	Color 34
						175-179	No Function
						180-201	Color Forward Fade Fast to Slow
						202-207	Stop
						208-229	Color Backward Fade Fast to Slow
						230-234	No Function
						235-249	Color Forward Snap Fast to Slow
						250-255	Color Backward Snap Fast to Slow
10	10	10	10	10	CTO	0-255	8000K-2800K
11	11	11	11	11	Dimmer	0-255	0-100%
12	12	12	12	12	Dimmer Fine	0-255	0-100%
13	13	13	13	13	Strobe	0-2	Close
						3-103	Strobe Effect1 Fast to Slow
						104-107	Open
						108-157	Strobe Effect2 Fast to Slow
						158-207	Strobe Effect3 Fast to Slow
						208-212	Open
						213-251	Pulse Strobe Fast to Slow
252-255	Open						
14	14	14	14	14	Pan	0-255	Pan 0-540°
15	15	15	15	15	Pan Fine	0-255	Pan 16bit
16	16	16	16	16	Tilt	0-255	Tilt 0-270°
17	17	17	17	17	Tilt Fine	0-255	Tilt 16bit
18	18	18	18	18	Macro	0-128	No Function
						129-255	Programs(Middle LED Off)
19	19	19	19	19	Reset	128-255	
20	20	20	20	20	Zoom	0-255	50-5degree
21	21	21	21	21	Lens Rotation	0-127	Lens Position Adjustment
						128-189	Lens Forward Slow to Fast
						190-191	Stop
						192-255	Lens Backward Slow to Fast
/	22	/	/	22	Programs	000-007	No Function
						008-014	Static Effects
						015-046	32 Programs
						47-255	Off
	23			23	Speed	0-63	Static Effects
64-127		Lens Forward Slow to Fast					

					128-255	Lens Backward Slow to Fast
24			24	Delay Time	0-255	Short to Long
25			25	Foreground LED	0-255	Red Color
26			26	Foreground LED	0-255	Green Color
27			27	Foreground LED	0-255	Blue Color
28			28	Foreground LED	0-255	White Color
29			29	Foreground Dimmer	0-255	0-100%
30			30	Background Dimmer	0-255	0-100%
31			31	No Function	0-255	
32			32		0-255	
33			33	Foreground Strobe	0-255	Slow to Fast
34			34	Background Strobe	0-255	Slow to Fast
35			35	Background	0-7	No Function
					8-16	Background Colors
					17-255	No Function
/	22	22	36	LED1 Intensity	0-255	Red Color
	23	23	37	LED1 Intensity	0-255	Green Color
	24	24	38	LED1 Intensity	0-255	Blue Color
	/	25	39	LED1 Intensity	0-255	White Color
	25	26	40	LED2 Intensity	0-255	Red Color
	26	27	41	LED2 Intensity	0-255	Green Color
	27	28	42	LED2 Intensity	0-255	Blue Color
	/	29	43	LED2 Intensity	0-255	White Color
	28	30	44	LED3 Intensity	0-255	Red Color
	29	31	45	LED3 Intensity	0-255	Green Color
	30	32	46	LED3 Intensity	0-255	Blue Color
	/	33	47	LED3 Intensity	0-255	White Color
	31	34	48	LED4 Intensity	0-255	Red Color
	32	35	49	LED4 Intensity	0-255	Green Color
	33	36	50	LED4 Intensity	0-255	Blue Color
	/	37	51	LED4 Intensity	0-255	White Color
	34	38	52	LED5 Intensity	0-255	Red Color
	35	39	53	LED5 Intensity	0-255	Green Color
	36	40	54	LED5 Intensity	0-255	Blue Color
	/	41	55	LED5 Intensity	0-255	White Color
	37	42	56	LED6 Intensity	0-255	Red Color
	38	43	57	LED6 Intensity	0-255	Green Color
	39	44	58	LED6 Intensity	0-255	Blue Color
	/	45	59	LED6 Intensity	0-255	White Color
	40	46	60	LED7 Intensity	0-255	Red Color
	41	47	61	LED7 Intensity	0-255	Green Color
	42	48	62	LED7 Intensity	0-255	Blue Color
	/	49	63	LED7 Intensity	0-255	White Color

Fixture Size Drawing(mm)



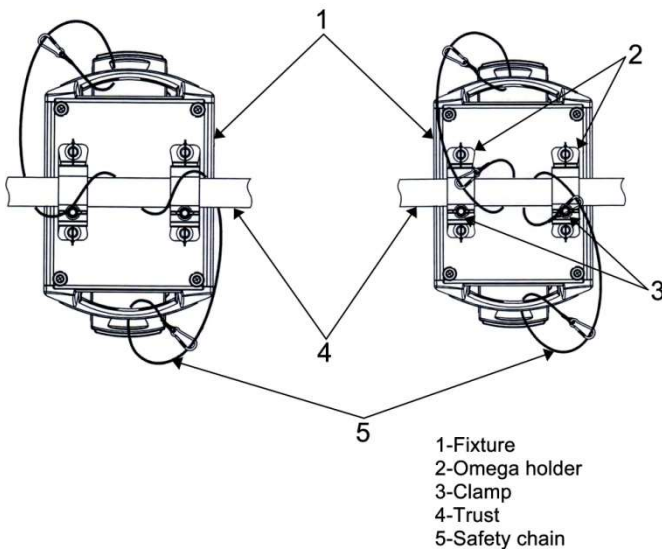
Installation

Use an appropriate clamp to ring the fixture on the truss.

Follow the instructions mentioned at the bottom of the base.

Make sure that the device is fixed properly! Ensure that the structure (truss) to which you are attaching the fixtures is secure.

Securing the fixture via one safety wire Securing the fixture via two safety wires



Cleaning!

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

Use normal glass cleaner and a soft cloth to wipe off the outside casing.

Clean the external optics with glass cleaner and a soft cloth every 20 days.

Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the unit operates (i.e. smoke, fog residue, dust, dew).

Unit not responding to DMX:

Check that the DMX cables are connected properly and are wired correctly (pin 3 is "hot"; on some other DMX devices pin 5 may be "hot"). Also, check that all cables are connected to the right connectors; it does matter which way the inputs and outputs are connected.