ADJ

VIZI WASH Z37

User Instructions

FCC STATEMENT
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RADIO FREQUENCY INTERFERENCE WARNINGS & INSTRUCTIONS
This product has been tested and found to comply with the limits as per Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device uses and can radiate radio frequency energy and, if not installed and used in accordance with the included instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following methods:

· **Reorient or relocate the device.**
· **Increase the separation between the device and the receiver.**
· **Connect the device to an electrical outlet on a circuit different from which the radio receiver is connected.**
· **Consult the dealer or an experienced radio/TV technician for help.**

DOCUMENT VERSION

Due to additional product features and/or enhancements, an updated version of this document may be available online.
Please check www.adj.com for the latest revision/update of this manual before beginning installation and/or programming.

Date	Document Version	Software Version ≥	DMX Channel Mode	Notes
10/09/19	1	1.0	14/16/17/71	Initial Version

Europe Energy Saving Notice
Energy Saving Matters (EuP 2009/125/EC)
Saving electric energy is a key to help protecting the enviroment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!

Unpacking: Thank you for purchasing the Vizi Wash Z37 by ADJ Products, LLC. Every Vizi Wash Z37 has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Do not return this unit to your dealer without first contacting customer support.

Introduction: The ADJ Vizi Wash Z37 is a DMX intelligent, high powered, moving head fixture. To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of this unit. ***This product is intended to be used by professionally trained personnel only and is not suitable for private use.***

These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

Customer Support: Contact ADJ Service for any product related service and support needs. Also visit **forums.adj.com** with questions, comments or suggestions.

Parts: To purchase parts online visit:
http://parts.adj.com **(US)**
http://www.adjparts.eu **(EU)**

ADJ SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
Voice: 800-322-6337 | Fax: 323-832-2941 | **support@adj.com**

ADJ SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
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Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufactures warranty. In the unlikely event your unit may require service please contact ADJ Products, LLC.

PLEASE recycle the shipping carton when ever possible.

- Electronic Dimming 0-100%
- DMX-512 protocol
- 4 DMX Modes 14/16/17/71
- 3-Pin and 5-Pin In/Out DMX Connection
- Zoom Adjustment
- Gamma Adjustment
- 6 Dimmer Curves With Dimmer Adjustment Speed
- Multiple Unit Power Linking (See page 26)

Included:
1 x powerCON Cable
2 x Omega Brackets

The Vizi Wash Z37 carries a 2 year limited warranty. Please fill out the enclosed warranty card to validate your purchase. All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper included in the shipping carton. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. You may obtain a R.A. number by contacting our customer support team on our customer support number. All packages returned to the service department not displaying a R.A. number on the outside of the package will be returned to the shipper.

`• **DO NOT TOUCH** the fixture housing during operation. Disconnect the power and allow approximately 15 minutes for the fixture to cool down before servicing.

`• **DO NOT** shake the fixture, avoid brute force when installing and/or operating the fixture.

`• **DO NOT** operate the fixture if the power cord has become frayed, crimped and/or damaged. If the power cord is damaged, replace immediately with a new one of similar power rating.

`• **DO NOT** Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.

`• **DO NOT** attempt to operate this unit, if it becomes damaged.

`• **DO NOT** spill water or other liquids into or on to your unit.

`• This unit is intended for indoor use only, use of this product outdoors voids all warranties.

`• To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture

`• Disconnect from main power before making any type of connection.

`• **DO NOT** block any air ventilation slots. All fan and air inlets must remain clean and never blocked. Allow approx. 6" (15cm) between fixture and other devices or a wall for proper cooling.

`• Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.

`• During the initial operation of this fixture, a light smoke or smell may emit from the interior of the fixture. Thsi is a normal process and is caused by excess paint in the interior of the casing burning off from the heat. This will decrease gradually over time.

`• **DO NOT** remove the cover under any conditions. There are no user serviceable parts inside.

`• When installing fixture in a suspended enviroment, always use mounting hardware that is no less than M10 x 25mm, and always install fixture with an appropriately rated safety cable.

`• Never operate this unit when it's cover is removed.

`• Never plug this unit in to a dimmer pack

`• During long periods of non-use, disconnect the unit's main power.

`• Always mount this unit in safe and stable matter.

`• Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.

`• Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See page 32 for cleaning details.

`• Heat -The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

`• The fixture should be serviced by qualified service personnel when:
  A. The power-supply cord or the plug has been damaged.
  B. Objects have fallen, or liquid has been spilled into the fixture.
  C. The fixture has been exposed to rain or water.
  D. The fixture does not appear to operate normally or exhibits a marked change in performance.
  E. The fixture has fallen and/or subjected to extreme handling.

POTENTIAL INTERNAL FIXTURE DAMAGE FROM EXTERNAL SOURCES OF LIGHT BEAMS

External sources of light beams from direct sunlight, lighting moving head fixtures, and lasers, which are focused directly towards the exterior housing and/or penetrate the front lens opening of ADJ lighting fixtures, can cause severe internal damage including burning to optics, dichroic color filters, glass and metal gobos, prisms, animation wheels, frost filters, iris, shutters, motors, belts, wiring, discharge lamps, and LEDs.

This issue is not specific only to ADJ lighting fixtures, it is a common issue with lighting fixtures from all manufacturers. Although there is no true way to fully prevent this issue from happening, the guidelines below can prevent any potential damage from occurring if followed. Contact ADJ Service for more details.

DO NOT EXPOSE THE FIXTURE AND/OR FRONT LENS OPENING TO LIGHT BEAMS FROM DIRECT SUNLIGHT, OTHER LIGHTING MOVING HEAD FIXTURES, AND LASERS WHILE UNPACKING, INSTALLATION, USE, AND EXTENDED IDLE TIMES OUTDOORS.
DO NOT FOCUS A LIGHT BEAM FROM ONE LIGHTING FIXTURE DIRECTLY TOWARDS ANOTHER.
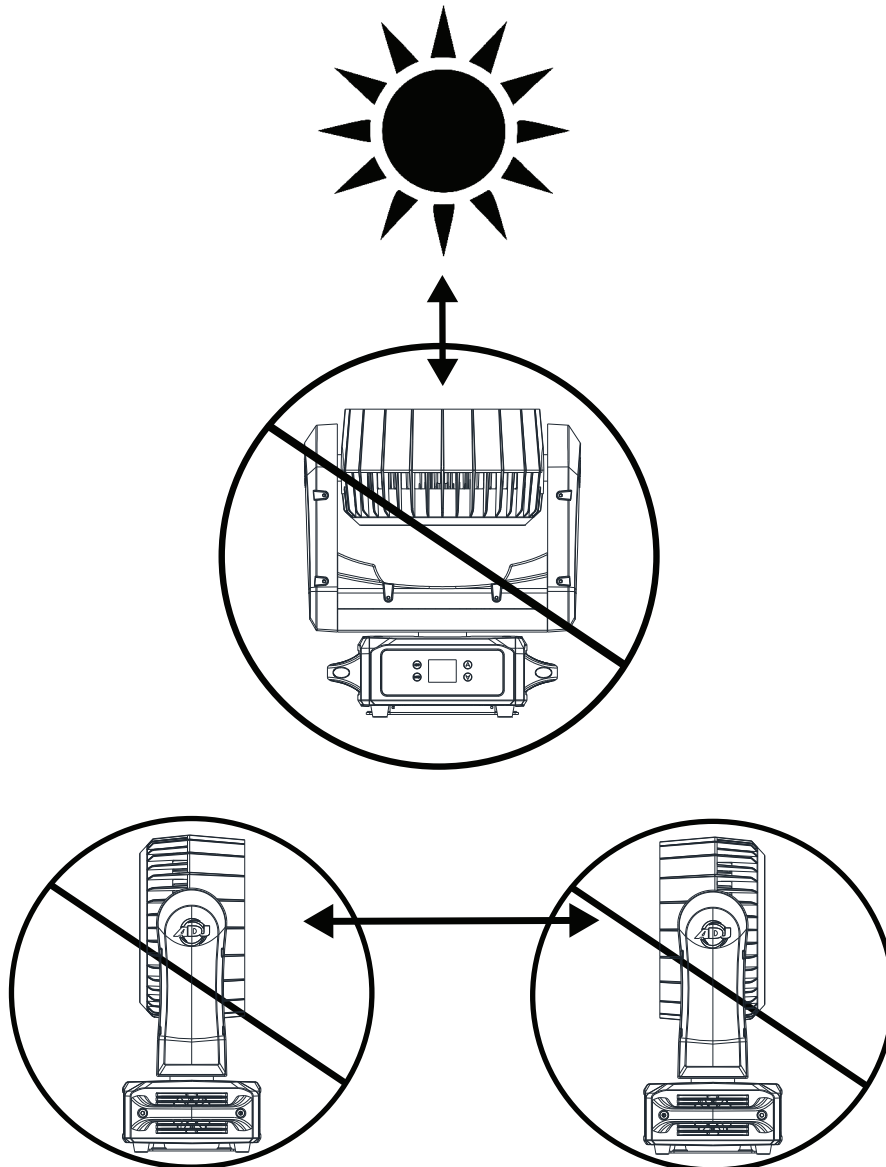
⚠ **FLAMMABLE MATERIAL WARNING**

Keep fixture at least 5.0 feet (1.5m) away from any flammable materials, decorations, pyrotechnics, etc.

⚠ **ELECTRICAL CONNECTIONS**

A qualified electrician should be used for all electrical connections and/or installations.

CAUTIONS

• For added protection, mount the fixture in areas outside walking paths, seating areas, or in are were unauthorized personnel might reach the fixture.

• Ambient operating temperature range for this fixture is 14° to 104°F. (-10° to 40°C). Do not place this lighting fixture in an enviroment where the temperatures are under or above the temperatures stated above. This will allow the fixture to run at its best and help prolong the fixture life.

• Before mounting the fixture to any surface, make sure the installation area can hold a minimum point load of 10 times the weight of the fixture.

• 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.

CLAMP INSTALLATION
Screw one clamp via a M12 screw and nut into the Omega bracket. Insert the quick-lock fasteners of the Omega bracket into the respective holes of the fixture base plate. *NOTE: The clamp must be attached to the Omega Bracket before attaching the bracket to the fixture.* Tighten the quick-lock fasteners fully clockwise. Pull the safety-cable through one of the two rigging points located on the bottom of the unit and over the trussing system or a safe fixation spot. Insert the end in the carabine and tighten the safety screw. *NOTE: It is easier to pull the safety-cable through the rigging points before attaching the Omega brakets.*

OMEGA BRACKET
ATTACHMENT POINTS

SAFETY CABLE
RIGGING POINT

SAFETY CABLE
RIGGING POINT

1

CLAMP
(Not Included)

2

OMEGA BRACKET
QUICK-LOCK
FASTENERS

CLAMPS
(Not Included)

3

OMEGA BRACKET
QUICK-LOCK
FASTENERS

SAFETY CABLE
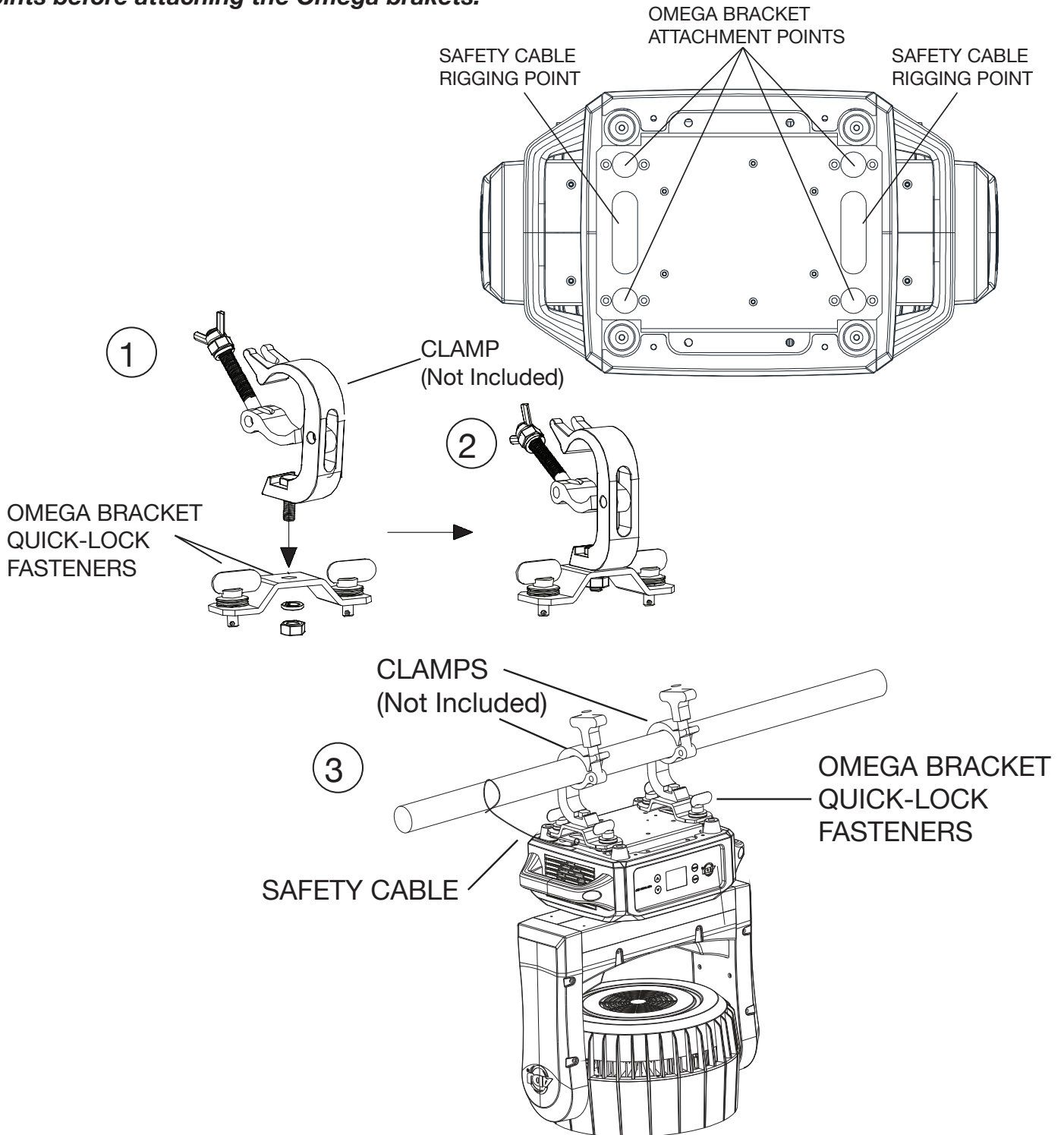
OVERHEAD RIGGING

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit must be secured with a secondary safety attachment, e.g. and appropriate safety cable. Never stand directly below the unit when mounting, removing, or servicing the unit.

Overhead mounting requires extensive experience, including calculating working load limits, installation material being used, and perodic safety inspection of all installation material and unit. If you lack these qualifications, do not attempt the installation yourself.

These installaiton should be checked by a skilled person once a year.
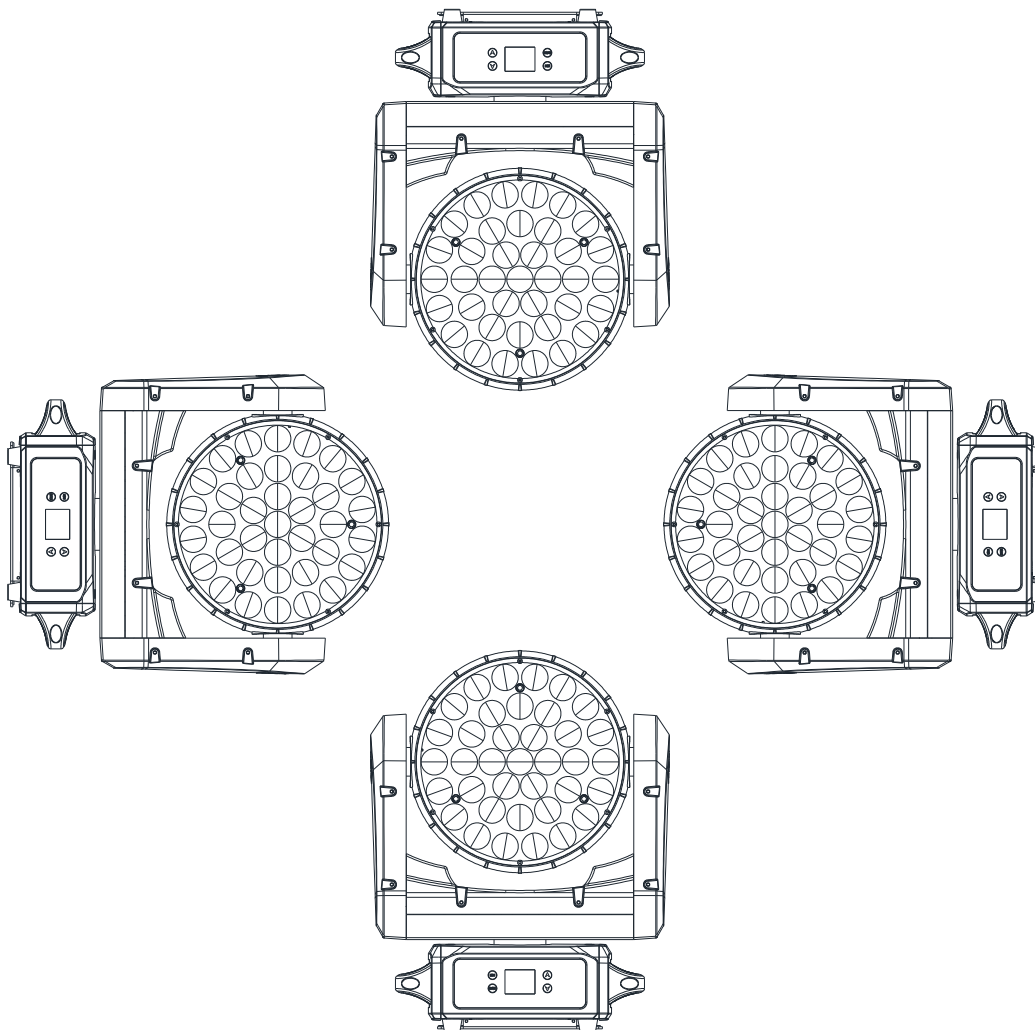
The Vizi Wash Z37 is fully operational in three different mounting positions, hanging upside-down, mounted sideways on trussing, or set on a flat level surface. Be sure this fixture is kept at least 12m (40ft) away from any flammable materials (decoration etc.). Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails (see next page). Never use the carrying handles for secondary attachment.
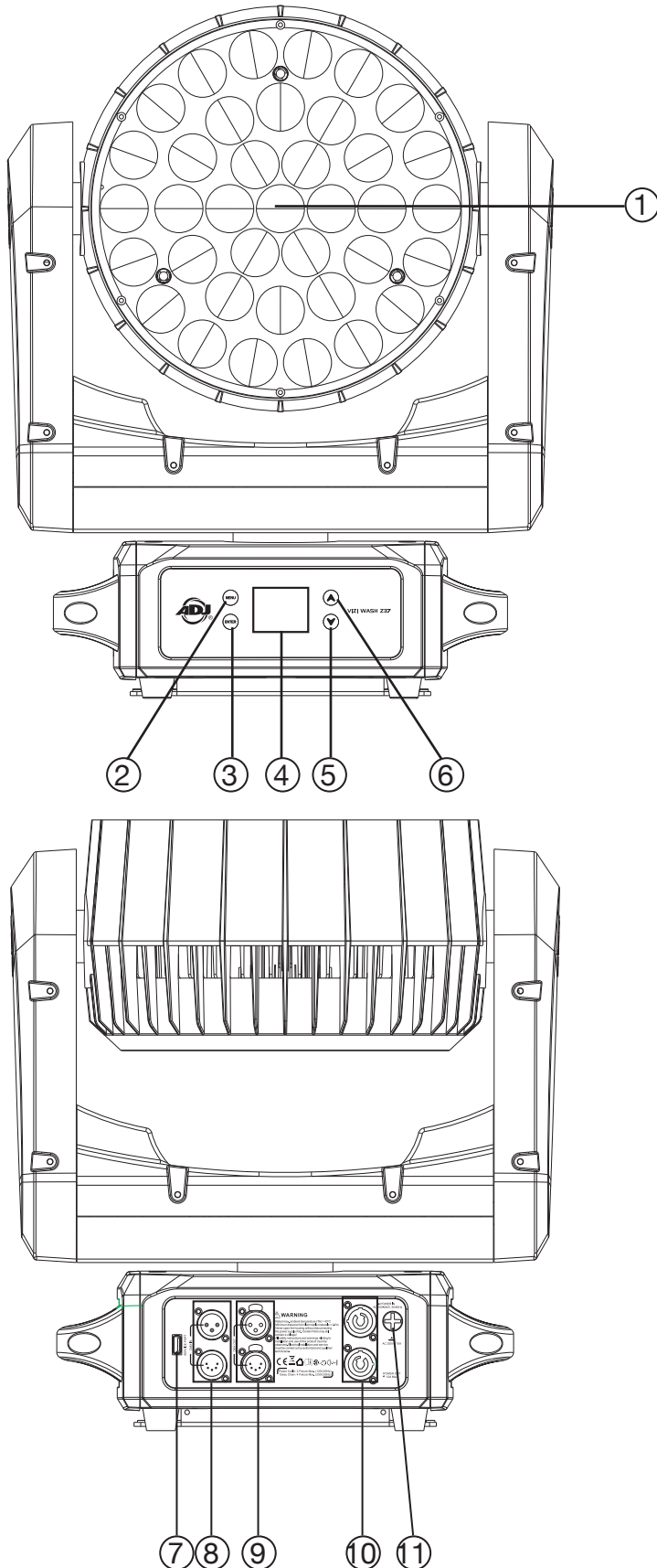
1. LED Lens Array

2. MENU Button

3. ENTER Button

4. LCD Menu Control Display

5. DOWN Button

6. UP Button

7. Service Port

8. 3-Pin DMX IN & OUT

9. 5-Pin DMX IN & OUT

10. powerCON IN & OUT

11. Fuse Holder

DMX-512: DMX is short for Digital Multiplex. This is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA "IN" and DATA "OUT" XLR terminals located on all DMX fixtures (most controllers only have a DATA "OUT" terminal).

DMX Linking: DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

Data Cable (DMX Cable) Requirements (For DMX Operation): The Vizi Wash Z37 can be controlled via DMX-512 protocol. Your unit and your DMX controller requires either a 3-pin or 5-pin XLR connector for data input and data output. We recommend Accu-Cable DMX cables. If you are making your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all pro lighting stores). Your cables should be made with a male and female XLR connector on either end of the cable. Also remember that DMX cable must be daisy chained and cannot be split.

Special Note: Line Termination. When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator (ADJ part number Z-DMX/T) will decrease the possibilities of erratic behavior.

DMX ADDRESSING

All fixtures should be given a DMX starting address when using a DMX controller, so the correct fixture responds to the correct control signal. This digital starting address is the channel number from which the fixture starts to "listen" to the digital control signal sent out from the DMX controller. The assignment of this starting DMX address is achieved by setting the correct DMX address on the digital control display on the fixture.

You can set the same starting address for all fixtures or a group of fixtures, or set different addresses for each individual fixture. Setting all fixtures to the same DMX address will cause all fixtures to react in the same way, in other words, changing the settings of one channel will affect all the fixtures simultaneously.

If you set each fixture to a different DMX address, each unit will start to "listen" to the channel number you have set, based on the quantity of DMX channels of each fixture. That means changing the settings of one channel will only affect the selected fixture.

In the case of the Vizi Wash Z37, when in 14 Channel you should set the starting DMX address of the first unit to 1, the second unit to 15 (14 + 1), the third unit to 29 (15 + 14), and so on. (See the chart below for more details.)

Channel Mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
14 Channels	1	15	29	43
16 Channels	1	17	33	49
17 Channels	1	18	35	52
71 Channels	1	72	143	160

ADJ VIZI WASH Z37
DMX Channel Values & Functions
Supports Software Version ≥ 1.0
Features subject to change without notice
Pixel Zones and control of effects depends on head orientation and Pan/Tilt settings

14 Channels	16 Channels	17 Channels	71 Channels	Values	Functions
1	1	1	1	000-255	**PAN MOVEMENT 8-BIT**
	2	2	2	000-255	**PAN FINE 16-BIT**
2	3	3	3	000-255	**TILT MOVEMENT 8-BIT**
	4	4	4	000-255	**TILT FINE 16-BIT**
3	5	5		000-255	**RED ALL 0%-100%**
4	6	6		000-255	**GREEN ALL 0%-100%**
5	7	7		000-255	**BLUE ALL 0%-100%**
6	8	8		000-255	**WHITE ALL 0%-100%**
			5	000-255	**RED (ZONE 1) 0%-100%**
			6	000-255	**GREEN (ZONE 1) 0%-100%**
			7	000-255	**BLUE (ZONE 1) 0%-100%**
			8	000-255	**WHITE (ZONE 1) 0%-100%**
		9		000-255	**64 COLORS MACROS** See the Color Macro charts on pages 19-20
					COLOR MACROS (ZONE 1)
				000-009	Open
				010-017	Color 1
				018-024	Color 2
				025-032	Color 3
				033-039	Color 4
				040-047	Color 5
				048-054	Color 6
				055-061	Color 7
				062-069	Color 8
				070-076	Color 9
				077-084	Color 10
				085-091	Color 11
				092-099	Color 12
				100-106	Color 13
				107-113	Color 14
7	9	10	9	114-121	Color 15
				122-128	Color 16
				129-136	Color 17
				137-143	Color 18
				144-151	Color 19
				152-158	Color 20
				159-165	Color 21
				166-173	Color 22
				174-180	Color 23
				181-188	Color 24
				189-195	Color 25
				196-203	Color 26
				204-210	Color 27
				211-217	Color 28
				218-225	Color 29
				226-232	Color 30
				233-240	Color 31
				241-247	Color 32
				248-255	Color 33

14 Channels	16 Channels	17 Channels	71 Channels	Values	Functions
			10	000-255	**RED (ZONE 2) 0%-100%**
			11	000-255	**GREEN (ZONE 2) 0%-100%**
			12	000-255	**BLUE (ZONE 2) 0%-100%**
			13	000-255	**WHITE (ZONE 2) 0%-100%**
			14	000-255	**COLOR PRESETS (ZONE 2)** See Channel 9 **(71 Channel Mode)**
			15	000-255	**RED (ZONE 3) 0%-100%**
			16	000-255	**GREEN (ZONE 3) 0%-100%**
			17	000-255	**BLUE (ZONE 3) 0%-100%**
			18	000-255	**WHITE (ZONE 3) 0%-100%**
			19	000-255	**COLOR MACROS (ZONE 3)** See Channel 9 **(71 Channel Mode)**
			20	000-255	**RED (ZONE 4) 0%-100%**
			21	000-255	**GREEN (ZONE 4) 0%-100%**
			22	000-255	**BLUE (ZONE 4) 0%-100%**
			23	000-255	**WHITE (ZONE 4) 0%-100%**
			24	000-255	**COLOR MACROS (ZONE 4)** See Channel 9 **(71 Channel Mode)**
			25	000-255	**RED (ZONE 5) 0%-100%**
			26	000-255	**GREEN (ZONE 5) 0%-100%**
			27	000-255	**BLUE (ZONE 5) 0%-100%**
			28	000-255	**WHITE (ZONE 5) 0%-100%**
			29	000-255	**COLOR MACROS (ZONE 5)** See Channel 9 **(71 Channel Mode)**
			30	000-255	**RED (ZONE 6) 0%-100%**
			31	000-255	**GREEN (ZONE 6) 0%-100%**
			32	000-255	**BLUE (ZONE 6) 0%-100%**
			33	000-255	**WHITE (ZONE 6) 0%-100%**
			34	000-255	**COLOR MACROS (ZONE 6)** See Channel 9 **(71 Channel Mode)**
			35	000-255	**RED (ZONE 7) 0%-100%**
			36	000-255	**GREEN (ZONE 7) 0%-100%**
			37	000-255	**BLUE (ZONE 7) 0%-100%**
			38	000-255	**WHITE (ZONE 7) 0%-100%**
			39	000-255	**COLOR MACROS (ZONE 7)** See Channel 9 **(71 Channel Mode)**
			40	000-255	**RED (ZONE 8) 0%-100%**
			41	000-255	**GREEN (ZONE 8) 0%-100%**
			42	000-255	**BLUE (ZONE 8) 0%-100%**
			43	000-255	**WHITE (ZONE 8) 0%-100%**
			44	000-255	**COLOR MACROS (ZONE 8)** See Channel 9 **(71 Channel Mode)**

14 Channels	16 Channels	17 Channels	71 Channels	Values	Functions
			45	000-255	**RED (ZONE 9) 0%-100%**
			46	000-255	**GREEN (ZONE 9) 0%-100%**
			47	000-255	**BLUE (ZONE 9) 0%-100%**
			48	000-255	**WHITE (ZONE 9) 0%-100%**
			49	000-255	**COLOR MACROS (ZONE 9)** See Channel 9 **(71 Channel Mode)**
			50	000-255	**RED (ZONE 10) 0%-100%**
			51	000-255	**GREEN (ZONE 10) 0%-100%**
			52	000-255	**BLUE (ZONE 10) 0%-100%**
			53	000-255	**WHITE (ZONE 10) 0%-100%**
			54	000-255	**COLOR MACROS (ZONE 10)** See Channel 9 **(71 Channel Mode)**
			55	000-255	**RED (ZONE 11) 0%-100%**
			56	000-255	**GREEN (ZONE 11) 0%-100%**
			57	000-255	**BLUE (ZONE 11) 0%-100%**
			58	000-255	**WHITE (ZONE 11) 0%-100%**
			59	000-255	**COLOR MACROS (ZONE 11)** See Channel 9 **(71 Channel Mode)**

14 Channels	16 Channels	17 Channels	71 Channels	Values	Functions
					COLOR MACROS (ALL ZONES)
				000-009	Open
				010-014	Color 1
				015-019	Color 2
				020-024	Color 3
				025-029	Color 4
				030-034	Color 5
				035-039	Color 6
				040-044	Color 7
				045-049	Color 8
				050-054	Color 9
				055-059	Color 10
				060-064	Color 11
				065-069	Color 12
				070-074	Color 13
				075-079	Color 14
				080-084	Color 15
				085-089	Color 16
				090-094	Color 17
				095-099	Color 18
				100-104	Color 19
			60	105-109	Color 20
				110-114	Color 21
				115-119	Color 22
				120-124	Color 23
				125-129	Color 24
				130-134	Color 25
				135-139	Color 26
				140-144	Color 27
				145-149	Color 28
				150-154	Color 29
				155-159	Color 30
				160-164	Color 31
				165-169	Color 32
				170-174	Color 33
				175-179	Open
				180-201	Clockwise Fast-Slow
				202-207	Stop
				208-229	Counter-Clockwise Slow-Fast
				230-234	Open
				235-239	Random Colors Fast Speed
				240-244	Random Colors Medium Speed
				245-249	Random Colors Slow Speed
				250-255	Open
			61	000-255	**BASE COLORS** See Channel 9 **(71 Channel Mode)**

14 Channels	16 Channels	17 Channels	71 Channels	Values	Functions
					BLOCK MACROS
				000-007	Blackout
				008-022	Macro 1
				023-037	Macro 2
				038-052	Macro 3
				053-067	Macro 4
				068-082	Macro 5
				083-097	Macro 6
			62	098-112	Macro 7
				113-127	Macro 8
				128-142	Macro 9
				143-157	Macro 10
				158-172	Macro 11
				173-187	Macro 12
				188-202	Macro 13
				203-217	Macro 14
				218-232	Macro 15
				233-247	Macro 16
				248-255	Macro 17
					SHUTTER & STROBE
				000-031	LEDs Off
				032-063	LEDs On
				064-095	Strobing Slow-Fast
8	10	11	63	096-127	LEDs On
				128-159	Pulse Effect in Sequences
				160-191	LEDs Off
				192-223	Random Strobing Slow-Fast
				224-255	LEDs On
9	11	12	64	000-255	**MASTER DIMMER** 0%-100%
10	12	13	65	000-255	**DIMMER FINE**
11	13	14	66	000-255	**ZOOM WIDE-NARROW**
			67	000-255	**ZOOM FINE**

14 Channels	16 Channels	17 Channels	71 Channels	Values	Functions
					DIMMER MODES & DIMMER SPEED
				000-020	Standard
				021-040	Stage
				041-060	TV
				061-080	Architectural
				081-100	Theatre
				101-120	Stage 2
					DIMMER DELAY TIME
				121	0.1Sec.
				122	0.2Sec.
				123	0.3Sec.
				124	0.4Sec.
				125	0.5Sec.
12	14	15	68	126	0.6Sec.
				127	0.7Sec.
				128	0.8Sec.
				129	0.9Sec.
				130	1.0Sec.
				131	1.5Sec.
				132	2.0Sec.
				133	3.0Sec.
				134	4.0Sec.
				135	5.0Sec.
				136	6.0Sec.
				137	7.0Sec.
				138	8.0Sec.
				139	9.0Sec.
				140	10Sec.
				141-255	Default to Unit Setting
			69	000-255	**COLOR BLOCK MACRO SPEED** Slow-Fast
13	15	16	70	000-255	**PAN/TILT SPEED** Fast-Slow
14	16	17	71		**SPECIAL FUNCTIONS**
				000-069	Null
				070-079	Blackout with Pan/Tilt Enabled
				080-089	Blackout with Pan/Tilt Disabled
				090-189	Null
				190-199	Zoom Reset
				200-209	Reset All
				210-219	Null
				220-229	Pan/Tilt Reset
				230-255	Null

Color No.	DMX VAULE	RGBW COLOR INTENSITY			
		RED	GREEN	BLUE	WHITE
OFF	0	0	0	0	0
Color1	1-4	80	255	234	80
Color2	5-8	80	255	164	80
Color3	9-12	77	255	112	77
Color4	13-16	117	255	83	83
Color5	17-20	160	255	77	77
Color6	21-24	223	255	83	83
Color7	25-28	255	243	77	77
Color8	29-32	255	200	74	74
Color9	33-36	255	166	77	77
Color10	37-40	255	125	74	74
Color11	41-44	255	97	77	74
Color12	45-48	255	71	77	71
Color13	49-52	255	83	134	83
Color14	53-56	255	93	182	93
Color15	57-60	255	96	236	96
Color16	61-64	238	93	255	93
Color17	65-68	196	87	255	87
Color18	69-72	150	90	255	90
Color19	73-76	100	77	255	77
Color20	77-80	77	100	255	77
Color21	81-84	67	148	255	67
Color22	85-88	77	195	255	77
Color23	89-92	77	234	255	77
Color24	93-96	158	255	144	144
Color25	97-100	255	251	153	153
Color26	101-104	255	175	147	147
Color27	105-108	255	138	186	138
Color28	109-112	255	147	251	147
Color29	113-116	151	138	255	138
Color30	117-120	99	0	255	100
Color31	121-124	138	169	255	138
Color32	125-128	255	255	255	255

Color No.	DMX VAULE	RGBW COLOR INTENSITY			
		RED	GREEN	BLUE	WHITE
Color33	129-132	255	206	143	0
Color34	133-136	254	177	153	0
Color35	137-140	254	192	138	0
Color36	141-144	254	165	98	0
Color37	145-148	254	121	0	0
Color38	149-152	176	17	0	0
Color39	153-156	96	0	11	0
Color40	157-160	234	139	171	0
Color41	161-164	224	5	97	0
Color42	165-168	175	77	173	0
Color43	169-172	119	130	199	0
Color44	173-176	147	164	212	0
Color45	177-180	88	2	163	0
Color46	181-184	0	38	86	0
Color47	185-188	0	142	208	0
Color48	189-192	52	148	209	0
Color49	193-196	1	134	201	0
Color50	197-200	0	145	212	0
Color51	201-204	0	121	192	0
Color52	205-208	0	129	184	0
Color53	209-212	0	83	115	0
Color54	213-216	0	97	166	0
Color55	217-220	1	100	167	0
Color56	221-224	0	40	86	0
Color57	225-228	209	219	182	0
Color58	229-232	42	165	85	0
Color59	233-236	0	46	35	0
Color60	237-240	8	107	222	0
Color61	241-244	255	0	0	0
Color62	245-248	0	255	0	0
Color63	249-252	0	0	255	0
Color64	253-255	0	0	0	255

SYSTEM MENU

The fixture includes an easy to navigate system menu control panel display where all necessary settings and adjustments are made. (See image below) During normal operation, pressing the **MENU** button once will access the fixture's main menu. Once in the main menu, you can navigate through the different functions and access the sub-menus with the **UP** and **DOWN** buttons. When you reach a field that requires adjusting, press the **ENTER** button to access that field and use the **UP** and **DOWN** buttons to adjust the field. Pressing the **ENTER** button once more will confirm your setting. You may exit the main menu at any time without making any adjustments by pressing the **MENU** button.
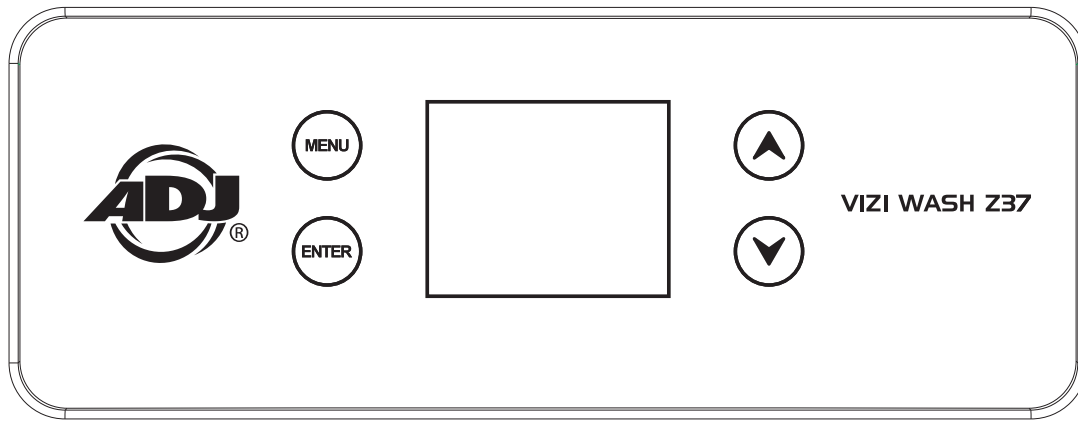
MENU	SUBMENU	OPTIONS	DESCRIPTION
DMX Settings	DMX Address	001~XXX	DMX Addressing
	DMX Channel Mode	14Ch / 16Ch / 17Ch / 71Ch	DMX Channel Mode Selection
	No DMX Status	HoldLast / BlackOut / Int Program / Manual	DMX Lost Status
Personality	Status Settings	Pan Invert: On / Off	Reverse Pan Motion
		Tilt Invert: On / Off	Reverse Tilt Motion
		P/T Feedback: On / Off	Movement Feedback
		P/T Speed: Speed 1 / Speed 2	Pan/Tilt Movement Speed
		Hibernation: Off / 01M~99M / 15M	Sleep Setting (No Activity)
	Fan Settings	Head: Auto / High / Silent	Head Fan Setting
		Base: Auto / High / Silent	Base Fan Setting
	Dim Modes	Standard / Stage / TV / Architectural / Theatre / Stage2	Dimmer Curve Modes
		Dim Speed: 0.1-10s	Dimming Speed
	Gamma	1.0 / 2.0 / 2.2 / 2.4 / 2.6 / 2.8	Gamma Brightness
	Reset Motors	Reset All Motors: Yes / No	Reset Pan/Tilt Motors
		Pan/Tilt Reset: Yes / No	Reset Effect Motor
		Zoom Reset: Yes / No	Reset All Motors
	Display	Intensity: 1~10 (Dimmest-Brightest)	Backlight Brightness
		Display Invert: Yes / No	Display Readout Inversion
		Screen Saver Delay: Off~10Mins	Display Blackout
		Lock: On / Off	Display Lock
	Service **(Pass Code = 50)**	Calibration: **Pass Code = 050**	Calibration
		USB Port Power: On / Off	USB Port Activation
		Update Software: Yes / No	Software Update
		Factory Restore: Yes / No - **Pass Code = 011**	Restore Factory Settings
Manual Control	Pan	000~255	Manual Control Settings
	Pan Fine	000~255	
	Tilt	000~255	
	Tilt Fine	000~255	
	Red 1-11	000~255	
	Green 1-11	000~255	
	Blue 1-11	000~255	
	White 1-11	000~255	
	Color Macros	000~255	
	Base Color	000~255	
	Block Macro	000~255	
	Shutter	000~255	
	Dimmer	000~255	
	Dimmer Fine	000~255	
	Zoom	000~255	
	Zoom Fine	000~255	
	Macro Speed	000~255	
	P/T Sp.	000~255	
Internal Programs	Program 0	Speed: 000~255 Fade: 000~255	Program 0 with Adjustments
	Program 1	Speed: 000~255 Fade: 000~255	Program 1 with Adjustments
	Program 2	Speed: 000~255 Fade: 000~255	Program 2 with Adjustments
	Program 3	Speed: 000~255 Fade: 000~255	Program 3 with Adjustments
	Program 4	Speed: 000~255 Fade: 000~255	Program 4 with Adjustments

MENU	SUBMENU	OPTIONS			DESCRIPTION
Target Mode	Target Mode	Mode 0			Target Mode
		Mode 1			
		Mode 2			
		Mode 3			
		Mode 4			
Information	Fixture Life Time	Power On Time - XXXXXX Hours			Total Running Time (Not Resettable)
		P-On Time-R - XXXXXX Hours			Total Running Time (Resettable)
		P-On Time Reset - **Pass Code = 050**			Reset Total Running Time
	Total LED Time	LED On Time - XXXXXX Hours			Total LED On Running Time (Not Resettable)
		LED On Time-R - XXXXXX Hours			LED On Running Time (Resettable)
		LED On Time Reset - **Pass Code = 050**			Reset LED Running Time
	Fixture Temps	LED's	Current		Current Temperature
			Max Resettable		Maximum Temperature[1] Reached (Resettable) **(See Note 1)**
			Max Not Resettable		Maximum Temperature[2] Reached (Not Resettable) **(See Note 2)**
		Reset LED Temp: **Pass Code = 050**			Reset Temperature
	Fan Info. (RPM)	LED Fan 1: XXX			LED Fan 1 Speed
		LED Fan 2: XXX			LED Fan 2 Speed
		LED Fan 3: XXX			LED Fan 3 Speed
		Head Fan: XXX			Head Fan Speed
		Base Fan 1: XXX			Base Fan 1 Speed
		Base Fan 2: XXX			Base Fan 2 Speed
	DMX Values[3] **(See Note 3)**	Pan / Pan Fine / Tilt / Tilt Fine / Red (1-11) / Green (1-11) / Blue (1-11) / White (1-11) / Color (Presets 1-11) Color Macros / Base Color / Block Macro / Shutter / Dimmer / Dimmer Fine / Zoom / Zoom Fine / Dimmer Mode / Macro Speed / P/T Sp. / Spe. Func			Current DMX Values
	Error Logs	Fixture Errors			List of Errors (One by One)
		Reset Error Log: Yes / No - **Pass Code = 050**			Clear Error Log
	Max Temp LED ON	32~169°F, 102°F[4] / 0~76°C, 39°C[4] **(See Note 4)**			Fixture Temp. (LED On)
	High Temp LED OFF	170°F, 100°F[5] / 77°C, 38°C[5] **(See Note 5)**			Fixture Temp. (LED Off)
	Software Version	X.XX			Current Software Version

NOTES:
(1) Current Maximum Temperature - Maximum fixture temp. that has been recorded, before reset and after reset.
(2) Maximum Temperature - Overall maximum fixture temp. that has been recorded. (Not Resettable)
(3) DMX Value options depend on the DMX Channel mode the fixture is set to.
(4) Max Temp LED ON - Normal Operating Temperature
(5) Max Temp LED OFF - Normal Operating Temperature

DMX SETTINGS - The submenus listed under **DMX SETTINGS** are as follows: *DMX Address*, *DMX Channel Mode*, and *No DMX Status*.

- *DMX ADDRESS* - In this submenu you can find and set your desired DMX address.

- *DMX CHANNEL MODE* - In this submenu you can find and set your desired DMX channel mode.

- *NO DMX STATUS* - This submenu setting is used as a precaution mode in case the DMX signal is lost or interrupted. The operating mode chosen in this submenu is the running mode the fixture will go into when the DMX signal is lost. Listed below are the 4 modes.

• **Hold Last** -This setting will have the fixture stay in the last DMX setup.

• **Blackout** - This setting will have the fixture automatically go into stand by mode (blackout).

• **Int (Internal) Program** - This setting will have the fixture run an internal program.

• **Manual** -This setting will have the fixture automatically go to the setup made under the **"Manual Control"** menu.

PERSONALITY - The submenus listed under **PERSONALITY** are as follows: *Status Settings*, *Fan Settings*, *Dim Modes, Gamma, Reset Motors*, *Display*, and *Service*.

- *STATUS SETTINGS* - In this submenu you are able to access and adjust/change the Pan Invert, Tilt Invert, P./T. Feedback, P./T. Speed, and Hibernation.

- *FAN SETTINGS* - In this submenu you are able to select your desired fan speed settings for both the head and base fans.

- *DIM MODES* - In this submenu you are able to select your desired dimmer mode and adjust the dimming speed time.

- *GAMMA* - In this submenu you are able to select your desired gamma setting.

- *RESET MOTORS* - In this submenu you are able to reset selected motors.

- *DISPLAY* - In this submenu you are able to access and adjust/change the backlight intensity, display inversion, screen saver display time, and display lock function.

- *SERVICE* - In this submenu you are able to access the effect calibration, USB port power on/off, software update, and restore the factory settings. *NOTE: Please contact ADJ customer service for instructions on updating software.*

MANUAL CONTROL - This menu is for manual testing and manual control. All adjustments and settngs made under this menu will be reflected under the *"Manual"* setting in the *"NO DMX STATUS"* submenu. *NOTE:* For Manual Control to work **"NO DMX STATUS"** must be set to **"MANUAL"**.

INTERNAL PROGRAMS - In this menu you are able to select 1 of 5 (0-4) internal programs to run. Program running speed and fade speed are adjustable. *NOTE:* For Internal Program to work **"NO DMX STATUS"** must be set to **"Int Program"**.

TARGET MODE - Target mode is a restrictive pan/tilt control limiting the movement to a certain degree. See page 28 for a diagram of the Target mode movements.

INFORMATION - The submenus listed under **INFORMATION** are as follows: *Fixture Life Time*, *Total LED Time*, *Fixture Temps*, *Fan Info. (RPM)*, *DMX Values*, *Error Logs*, *Max Temp LED ON*, *High Temp LED OFF*, and *Software Version*.

 - *FIXTUE LIFE TIME*
• *Power On Time -*The total power ON running time of the unit will be displayed. This power ON time *CANNOT* be reset.

• *P-On Time-R* - The current power ON running time of the unit is displayed. This running time may not be the same as the total power ON running time displayed under *"Power On Time"*. This time CAN be reset.

• *P-On Time Reset* - Reset the current power ON running time that is displayed under *"P-On Time-R"*.

 - *TOTAL LED TIME*
• *LED On Time -* The total LED ON time will be displayed. This total Lamp ON time *CANNOT* be reset.

• *LED On Time-R -* The current LED ON running time is displayed. This running time may not be the same as the total LED ON time displayed under *"LED On Time"*. This current LED ON time *CAN* be reset. *NOTE: The displayed time represents the current LED ON time since the last reset.*

• *LED On Time Reset* - With this function you can reset the current LED ON time that is displayed under *"LED On Time-R"*.

 - *FIXTURE TEMPS*
• *LED's:*
  • *Current -* The current LED temperature will be displayed.

  • *Max Resettable -* The current highest temperature the LED has reached will be displayed. This LED temperature may not be the same as the temperature displayed under **"CURRENT"** or **"MAX NOT RESETTABLE"**. This LED temperature *CAN* be reset.
  NOTE: The displayed temperature represents the highest temperature the LED has reached since the last reset.

  • *Max Not Resettable -* The highest temperature the LED has reached will be displayed. This LED temperature *CANNOT* be reset, and could continue rise.

• *RESET LED TEMP* - With this function you can reset the "*MAX RESETTABLE"* LED temperature. *NOTE: When the temperature is reset, the temperature will revert to the CURRENT LED temperature.*
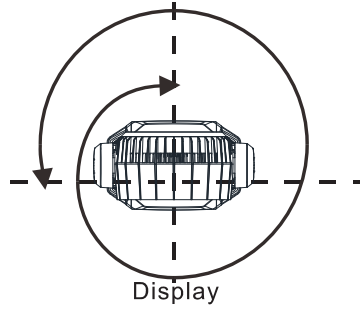
- *FAN INFO. (RPM)*

  LED Fan 1 - Current speed of base fan 1 is displayed.

  LED Fan 2 - Current speed of base fan 2 is displayed.

  LED Fan 3 - Current speed of base fan 3 is displayed.

  Head Fan - Current speed of arm fan 1 is displayed.

  Base Fan 1 - Current speed of arm fan 2 is displayed.

  Base Fan 2 - Current speed of moving head fan 1 is displayed.

- *DMX VALUES* - In this submenu are able to check the DMX values of any DMX channel that is currently in use. *Note: The DMX values options displayed under this submenu depend on the DMX channel mode setting.*

- *ERROR LOGS* - in this submenu you are able to check the status of any error codes.

- *MAX TEMP LED ON* - The operating temperatures of the fixture will be displayed. *Note: This reflects the operating temperatures of the fixture when the LED is On.*

- *HIGH TEMP LED OFF* - The operating temperatures of the fixture will be displayed. *Note: This reflects the operating temperatures of the fixture when the LED is Off.*

- *SOFTWARE VERSION* - The current software version will be displayed.

Note: Zone Layout depends on PAN/TILT position of the head.
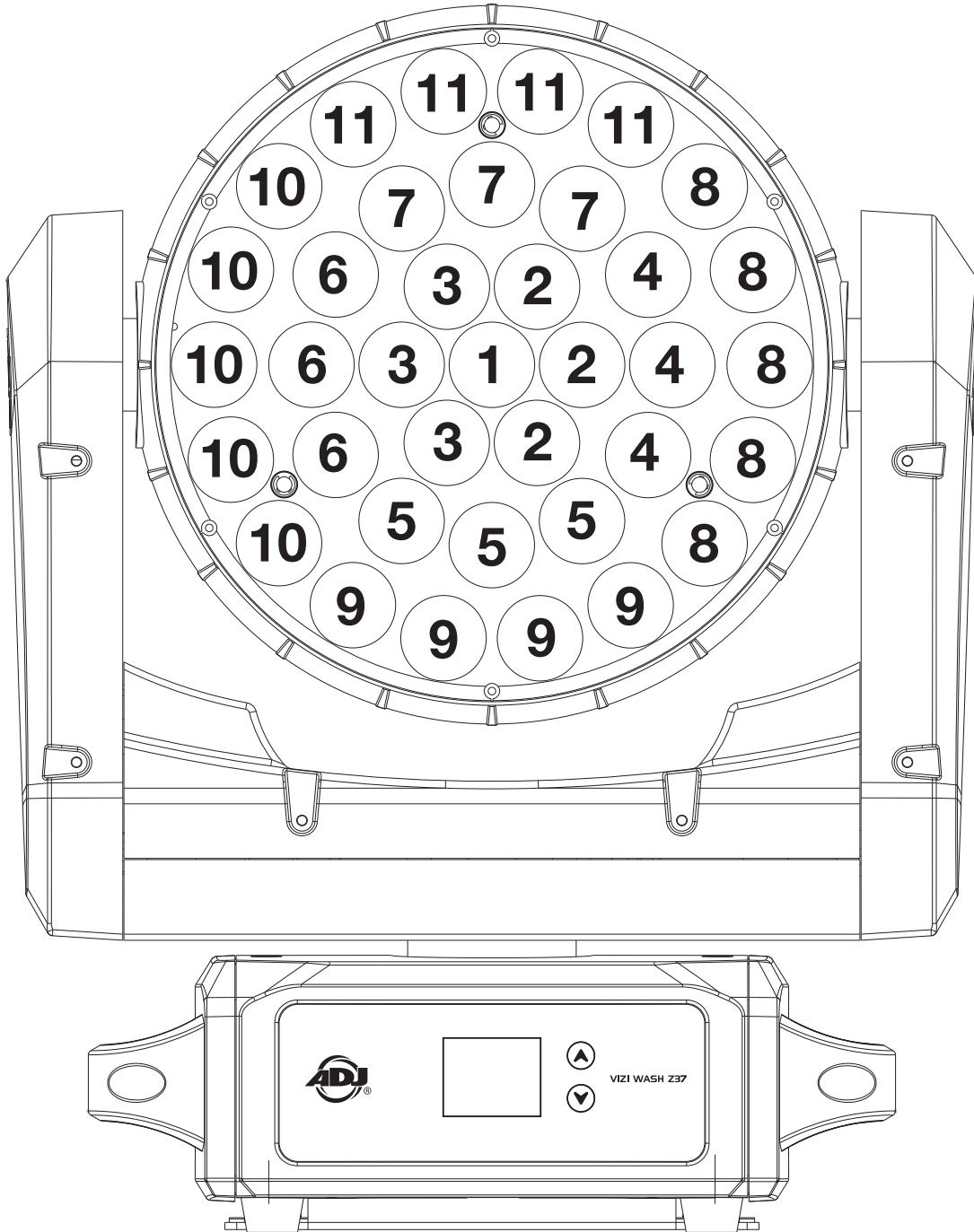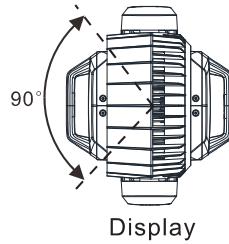
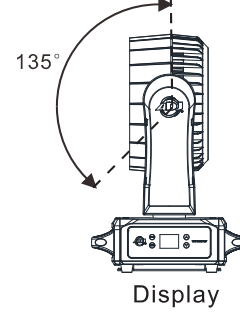Mode 0   Pan Movement Range = **540°**   Tilt Movement Range = **270°**

270°

Display   Display
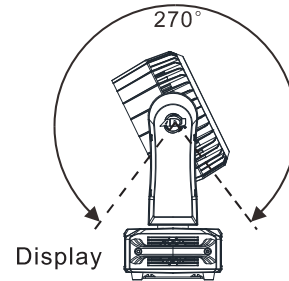
Mode 1   Pan Movement Range = **90°**   Tilt Movement Range = **135°**

90°   135°

Display   Display
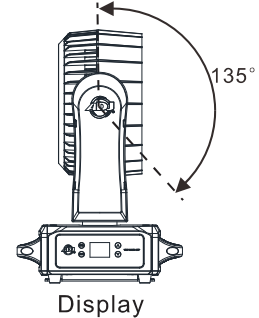
Mode 2   Pan Movement Range = **90°**   Tilt Movement Range = **135°**

135°

90°

Display   Display
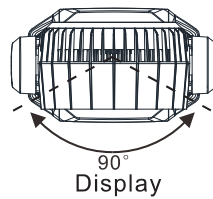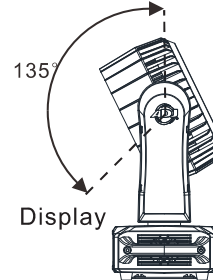
Mode 3   Pan Movement Range = **90°**   Tilt Movement Range = **135°**
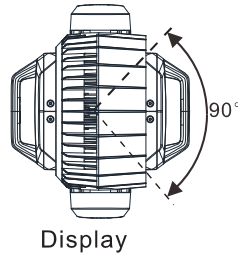
90°   135°

Display   Display

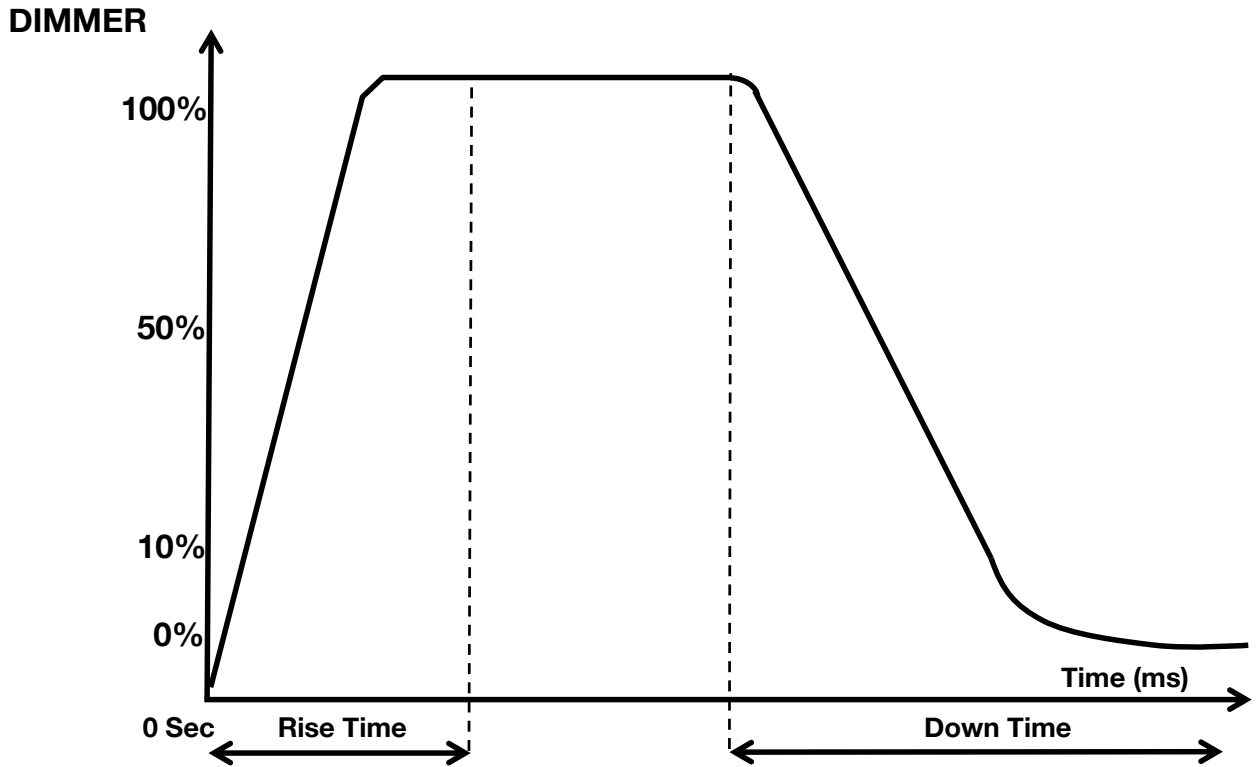Mode 4   Pan Movement Range = **90°**   Tilt Movement Range = **135°**

90°   135°

Display   Display

DIMMER

100%

50%

10%

0%
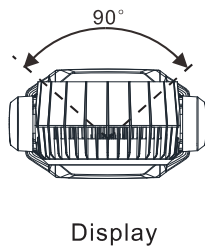
Time (ms)

0 Sec   Rise Time   Down Time
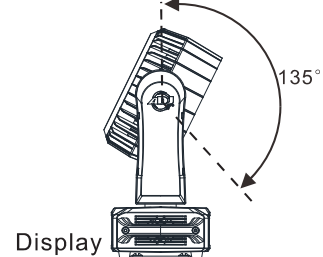
Dimming Curve Ramp Effect	0 sec Fade Time		1 sec Fade Time	
	255		255	
	0		0	
	Rise Time (ms)	Down Time (ms)	Rise Time (ms)	Down Time (ms)
Standard (default)	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280
Stage 2	0	1100	0	1660

	Print error message	Description
1	CPU-B Error	CPU-B Error
2	CPU-C Error	CPU-C Error
3	Pan Reset Error	Pan: Reset Error
4	Pan Encoder Error	Pan: Encoder Error
5	Tilt Reset Error	Tilt: Reset Error
6	Tilt Encoder Error	Tilt: Encoder Error
7	Led Temp Error	Led Temp: Error
8	Led Temp Too High	Led Temp: Too High
9	LedFan1 start errors	Led Fan1 Can't Start
10	LedFan1 stop errors	Led Fan1 Can't Stop
11	LedFan1 slow speed	Led Fan1 Too Slow
12	LedFan1 fast speed	Led Fan1 Too Fast
13	LedFan2 start errors	LedFan2 Can't Start
14	LedFan2 stop errors	LedFan2 Can't Stop
15	LedFan2 slow speed	LedFan2 Too Slow
16	LedFan2 fast speed	LedFan2 Too Fast
17	LedFan3 start errors	LedFan3 Can't Start
18	LedFan3 stop errors	LedFan3 Can't Stop
19	LedFan3 slow speed	LedFan3 Too Slow
20	LedFan3 fast speed	LedFan3 Too Fast
21	HeadFan start errors	HeadFan Can't Start
22	HeadFan stop errors	HeadFan Can't Stop
23	HeadFan slow speed	HeadFan Too Slow
24	HeadFan fast speed	HeadFan Too Fast
25	BaseFan1 start errors	BaseFan1 Can't Start
26	BaseFan1 stop errors	BaseFan1 Can't Stop
27	BaseFan1 slow speed	BaseFan1 Too Slow
28	BaseFan1 fast speed	BaseFan1 Too Fast
29	BaseFan2 start errors	BaseFan2 Can't Start
30	BaseFan2 stop errors	BaseFan2 Can't Stop
31	BaseFan2 slow speed	BaseFan2 Too Slow
32	BaseFan2 fast speed	BaseFan2 Too Fast

NOT TO SCALE

16" / 408.4mm

6.75" / 171.7mm

4.5" / 114.8mm

20.5" / 520.3mm

13.3" / 340mm

9" / 226mm

12" / 303.1mm

18" / 455.1mm

6.75" / 171.7mm
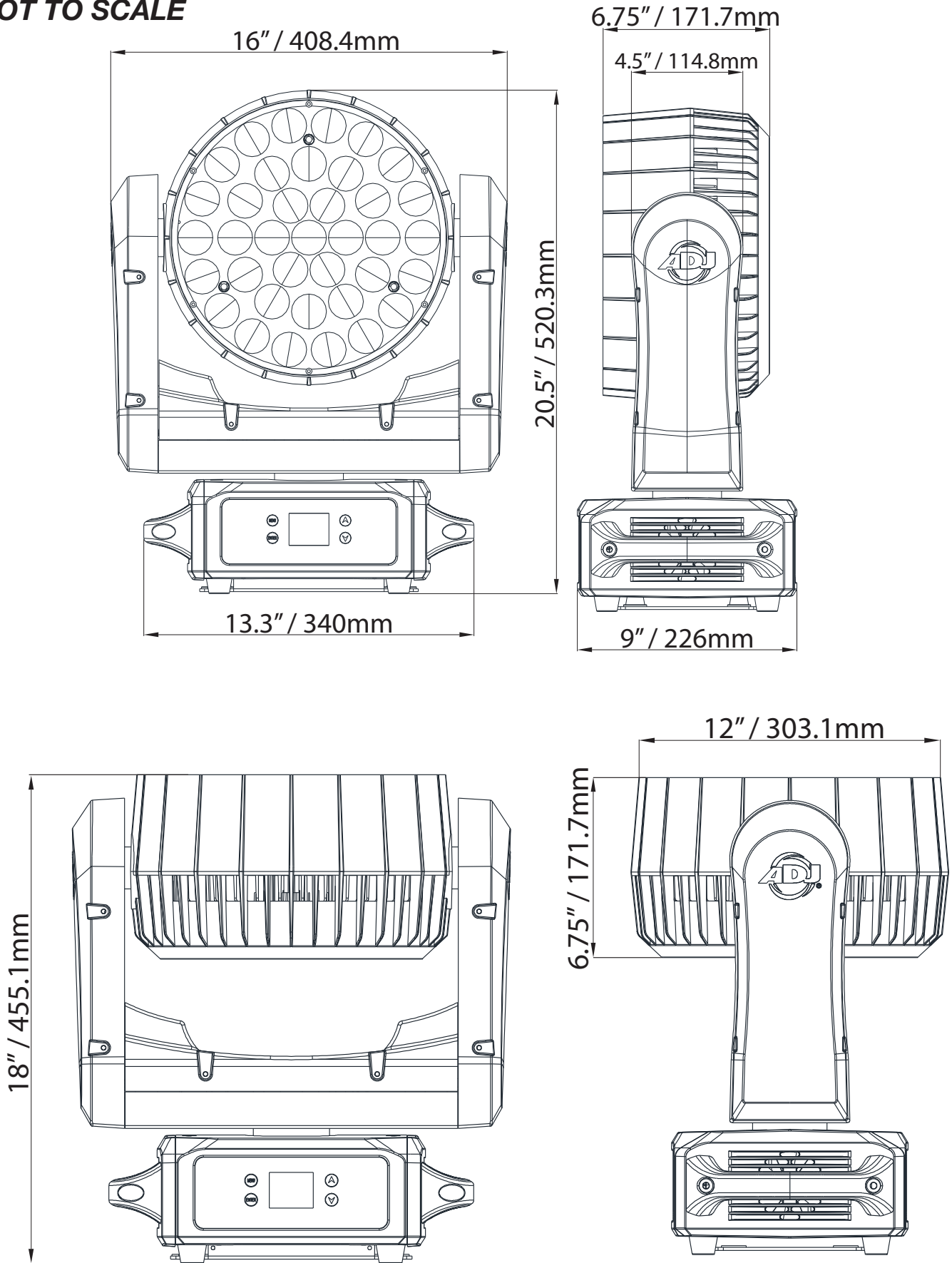
Vizi Wash Z37 — Multiple Unit Power Linking

With this feature you can connect the fixtures to one another using the power cable input and output sockets.

NOTE: USE CAUTION WHEN POWER LINKING OTHER FIXTURES AS THE POWER CONSUMPTION OF OTHER MODEL FIXTURES MAY EXCEED THE MAX POWER OUTPUT ON THIS FIXTURE! CHECK SILK SCREEN FOR MAX AMPS.

Vizi Wash Z37 — Fuse Replacement

Unplug the unit from any power source it may be connected to. Once the power has been disconnected, use a phillips head screw driver to unscrew the fuse holder located next to the powerCON input. Remove the bad fuse and replace with a new one, and screw the fuse holder back in.

Vizi Wash Z37 — Trouble Shooting

Listed below are a few common problems the user may encounter, with solutions.

Unit not responding to DMX:
1. Check that the DMX cables are connected properly and are wired correctly (pin 3 is "hot"; on some other DMX devices pin 2 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.

Vizi Wash Z37 — Cleaning

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

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

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

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

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

MANUFACTURER'S LIMITED WARRANTY

A. ADJ Products, LLC hereby warrants, to the original purchaser, ADJ Products, LLC products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period on reverse). This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.

B. For warranty service you must obtain a Return Authorization number (RA#) before sending back the product–please contact ADJ Products, LLC Service Department at 800-322-6337. Send the product only to the ADJ Products, LLC factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in it's original package. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall have no liability whatsoever for loss of or damage to any such accessories, nor for the safe return thereof.

C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because not properly maintained as set forth in the instruction manual.

D. This is not a service contract, and this warranty does not include maintnance, cleaning or periodic check up. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear indentifying marks to that effect.

E. ADJ Products, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and/or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall ADJ Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

This warranty is the only written warranty applicable to ADJ Products, LLC Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

MANUFACTURER'S LIMITED WARRANTY PERIODS:

- **Non L.E.D. Lighting Products = 1-year (365 days) Limited Warranty** (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding LED and lamps)
- **Laser Products = 1 Year (365 Days) Limited Warranty** (excluding laser diodes which have a 6 month limited warranty)
- **L.E.D. Products = 2-year (730 days) Limited Warranty** (excluding batteries which have a 180 day limited warranty). **Note: 2 Year Warranty only applies to purchases within the United States.**
- **StarTec Series = 1 Year Limited Warranty** (excluding batteries which have a 180 day limited warranty).
- **ADJ DMX Controllers = 2 Year (730 Days) Limited Warranty**

Voltage:	100V ~ 240V/50~60Hz
LEDs:	37 x 20W Osram RGBW (4-in-1) LEDs
LED Life:	20,000 Hour Average LED Life*
Working Position:	Any safe working position
Power Draw:	525W
Weight:	40 lbs./ 18 Kgs.
Dimensions:	16" (L) x 9" (W) x 20.5" (H)
	408.4 x 226 x 520.3mm
DMX Channels:	4 DMX Modes: 14 / 16 / 17 / 71
Warranty:	2 Year (730 days)

* May vary depending on several factors including but not limited to:
  Enviromental Conditions, Power/Voltage, Usage Patterns (On-Off Cycling), Control, and Dimming.

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change.