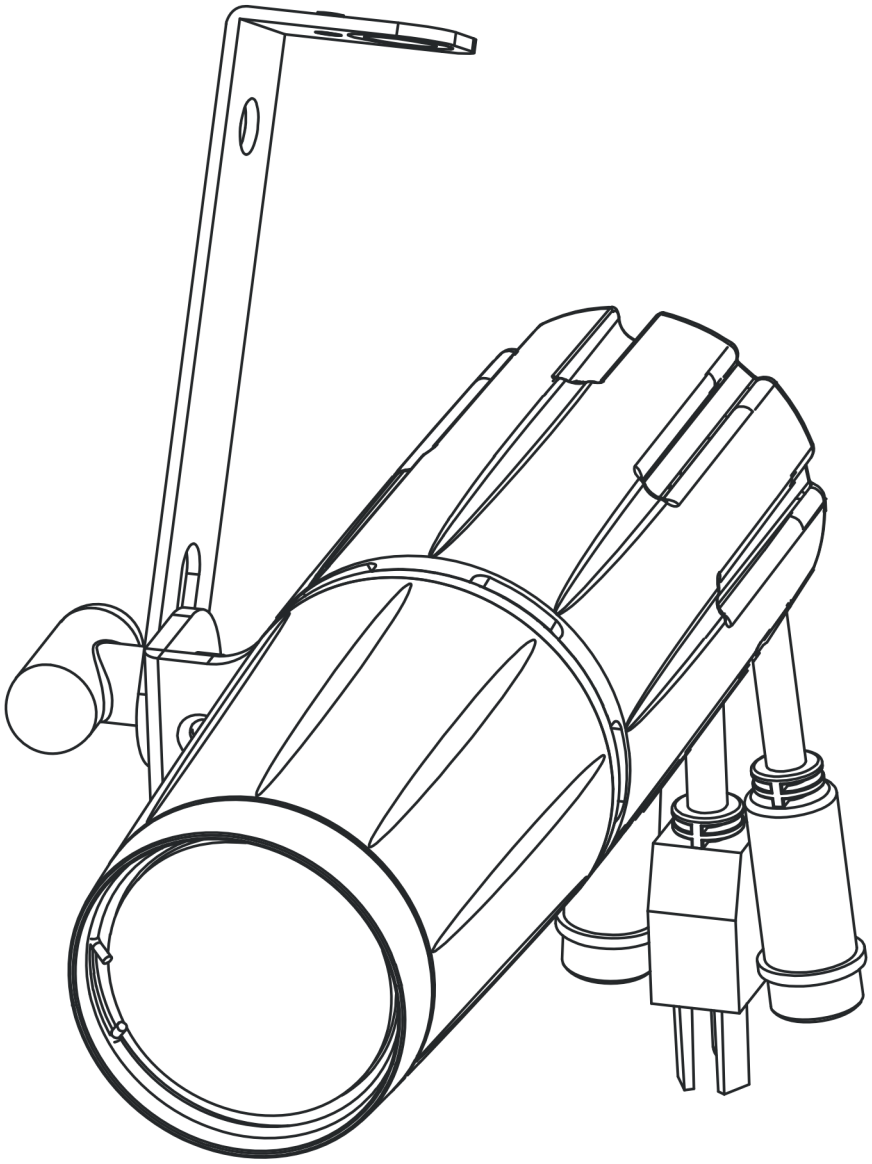

PINSPOT LED QUAD DMX

User Manual

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Europe Energy Saving Notice

Energy Saving Matters (EuP 2009/125/EC)
Saving electric energy is a key to help protecting the environment. 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!

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 Channels	Notes
3/2015	1.0	1.01	6 ch.	Initial Release
10/2022	1.5	N/C	N/C	Added Dip Switch Chart
04/28/2026	1.6	N/C	N/C	Updated Specifications

CONTENTS

INFORMATION

INTRODUCTION

Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this device. These instructions contain important safety and use information.

This product is intended for use by professionally trained personnel only, and is not suitable for private use.

Unpacking

Every device 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 is damaged, carefully inspect the device for damage, and be sure all accessories necessary to install and operate the device have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this device to your dealer without first contacting customer support. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

BOX CONTENTS

Omega Brackets
1.83M locking power cable

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
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LIMITED WARRANTY

For up-to-date warranty information regarding your device, please visit ADJ's warranty information page online or scan the QR codes below.

USA: https://www.adj.com/pages/warranty-information

EU: https://www.adj.eu/terms_and_conditions

It is strongly recommended to power the fixture down completely when not in use. Doing so will reduce wear on the fixture due to sustained or extended operational periods, thereby maximizing its operational lifespan.

FEATURES

- 8 W Quad Color (4-in-1) RGBW LED pinspot with red, green, blue, and white diodes in a single source (rated ~10,000 hours)
- Produces sharp, focused 15° beams with 740 lumens @ 1 m – ideal for spotlighting tables, décor, architecture, and special effects
- Wireless ADJ UC IR remote control included for color fades, built-in shows, dimming, strobe, blackout, and sound activation
- 4 operating modes: DMX Controlled, Sound Active, IR Remote, and Auto Run Programs
- Electronic dimming 0–100 %
- Built-in microphone for sound-active operation
- DMX-512 protocol with 6 DMX channels
- 3-pin DMX In/Out connections for easy daisy-chaining of multiple units
- Flicker-free operation
- Low power consumption: 11 W maximum
- Universal power supply: AC 100-240 V 50/60 Hz

SAFETY PRECAUTIONS

PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED.

THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT. DO NOT ATTEMPT ANY REPAIRS YOURSELF, AS DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.

NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!
RETINA INJURY RISK - MAY INDUCE BLINDNESS!
SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK!

- **Maximum ambient operating temperature is 113° F (45° C)!**
- **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, and 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 the same power rating.
- **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 has been damaged in any way.
- **DO NOT** spill water or other liquids into or on to your unit.
- 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.
- **DO NOT** remove the cover under for any reason.
- 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 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 where they exit from the unit.
- Cleaning - The fixture should be cleaned only as recommended by the manufacturer.
- 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 have been damaged.
  B. Objects have fallen onto, or liquid has been spilled into, the fixture.
  C. The fixture does not appear to operate normally or exhibits a marked change in performance.
  D. The fixture has fallen and/or has been subjected to extreme handling.

OVERVIEW

INSTALLATION

DO NOT INSTALL THE FIXTURE IF YOU ARE NOT QUALIFIED TO DO SO!

Fixture **MUST** be installed following all local, national, and country commercial electrical and construction codes and regulations.

When installing the unit, the trussing or area of installation must be able to support at least 10 times the weight of the unit and any attached accessories without any deformation. The unit must be secured with a secondary safety attachment, e.g. an appropriately-rated safety cable.

Before rigging/mounting a fixture to any metal truss/structure or placing the fixture(s) on any surface, a professional equipment installer MUST be consulted to determine if the metal truss/structure or surface is properly certified to safely hold the combined weight of the fixture(s), clamps, cables, and accessories.

Maximum ambient operating temperature is **113°F (45°C).**

Fixture(s) should be installed away from walking paths, seating areas, or areas where unauthorized personnel might reach the fixture by hand.

NEVER stand directly below the fixture(s) when rigging, removing, or servicing.

Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable that can hold at least 10 times the weight of the fixture.

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

The installaiton should be checked by a skilled person once a year.

DMX SETUP

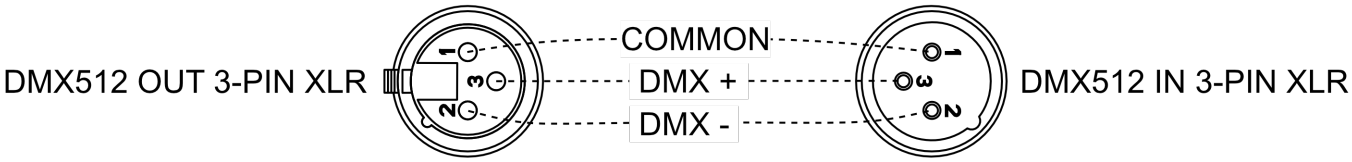
Power Supply: The ADJ Pinspot LED Quad DMX contains a auto- matic voltage switch, which will auto sense the voltage when it is plugged into the power source. With this switch there is no need to worry about the correct power voltage, this unit can be plugged in anywhere.

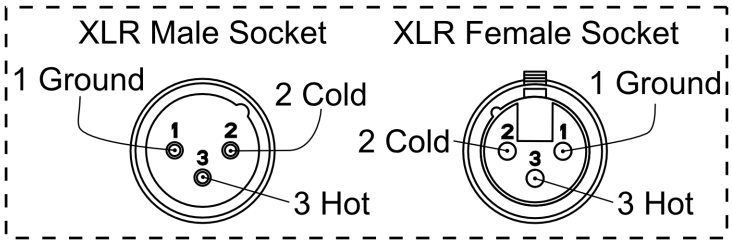
DMX-512: DMX is short for Digital Multiplex. This is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture 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 manufacturers 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, try to use the shortest cable path possible when linking several DMX fixtures. 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 Pinspot LED Quad DMX can be controlled via DMX-512 protocol. The Pinspot LED Quad DMX has 6 DMX channels. The DMX address is set using the dipswitches located on the rear of the Pinspot LED Quad DMX. Your unit and your DMX controller require a standard 3-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.

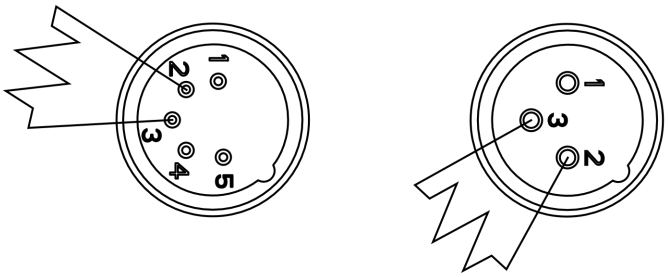
Notice: Be sure to follow the diagram below when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come into contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.





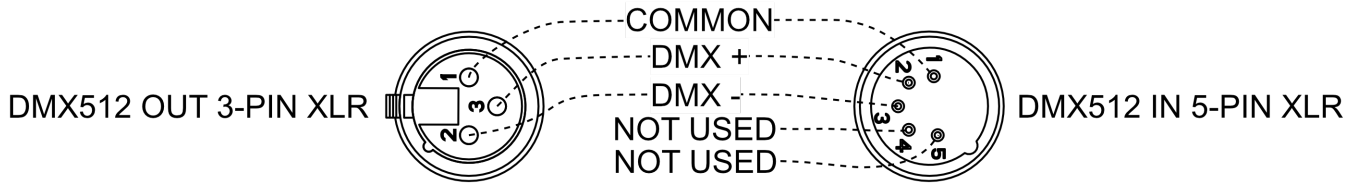
XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Data Compliment (negative)
Pin 3 = Data True (positive)

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 reduce the risk of erratic behavior.



A DMX512 terminator reduces signal errors, avoiding most signal reflection interference. Connect PIN 2 (DMX-) and PIN 3 (DMX+) of the last fixture in series with a 120 Ohm, 1/4 W Resistor to terminate the DMX512.

5-Pin XLR DMX Connectors: Some manufactures use 5-pin DMX- 512 data cables for DATA transmission in place of 3-pin. 5-pin DMX fixtures may be integrated into a 3-pin DMX line with a 5-pin to 3-pin adapter cable. Although these adapters are available at most electric stores, one can be assembled using the conversion chart.



3-Pin XLR to 5-Pin XLR Conversion		
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

PRIMARY - SECONDARY SETUP

In Primary - Secondary mode, one unit will act as the Primary, or controlling unit, and to activate Secondary units via built-in programs. Any unit can act as a Primary, or as a Secondary; however, only one unit can be programmed to act as the “Primary.”

1. Daisy chain your units via the XLR connector on the rear of the unit. Use standard XLR microphone cables to link units. The Male XLR connector is the input, and the Female XLR connector is the ouput. The first unit in the chain (Primary) uses the female XLR connector only. The last unit in the chain will use the male XLR connector only.
2. Set the dipswitch #1 to the ON position, all other dipswitches off for the “Primary” unit.
3. For the “Secondary” unit(s), any dipswitch in the On position except #1.
4. Connect the “Secondary” unit, or units, and they will automatically start to follow the “Primary.”

UC IR REMOTE

The UC IR infrared remote has many differnet functions, and gives the user complete control of the Pinspot LED Quad DMX. To control the desired fixture, aim the controller at the front of the fixture. Note that the remote has a 30 foot range

STAND BY - Pressing this button will blackout the fixture.

FULL ON - Hold this button down to fully light the unit. When you let the button go, the unit will return to its previous state.

FADE/GOBO - Invalid for this fixture.

COLOR - Press buttons 1-9 to choose a desired color. Adjust the output intensity using either the number buttons, or usingthe “DIMMER +” and “DIMMER -” buttons.

STROBE - Press and hold this button the to strobe. This function is only valid under color mode.

SOUND ON & **OFF** - These buttons activate and deactivate the sound active mode.

SHOW - This button will activate the random show (default). Press the buttons 1-9 to select a different show.

“**DIMMER +**” and “**DIMMER -**” - Use these buttons to adjust the out- put intensity in Color mode.

OPERATING MODES

Sound Active Modes:
1. Plug the fixture in and put dipswitch #1 in the ON position.

Show Mode:
A. Plug the fixture in and put dipswitch #1 in the ON position. Dipswitches 4, 5, 6 will control the show speed.

DMX Mode:
Operating through a DMX controller gives the user the freedom to create individual programs, including the use of fixtures as spotlights.
1. This function will allow you to control each individual fixture's traits with a standard DMX 512 controller.
2. To run your fixture in DMX mode, plug in the fixture via the XLR connections to any standard DMX controller. Use dipswitches 1-9 to set your desired DMX address. See below for example addressing.

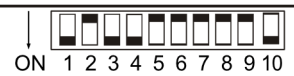
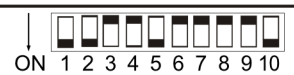
Channel Mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
6 Channels	1	7	13	19

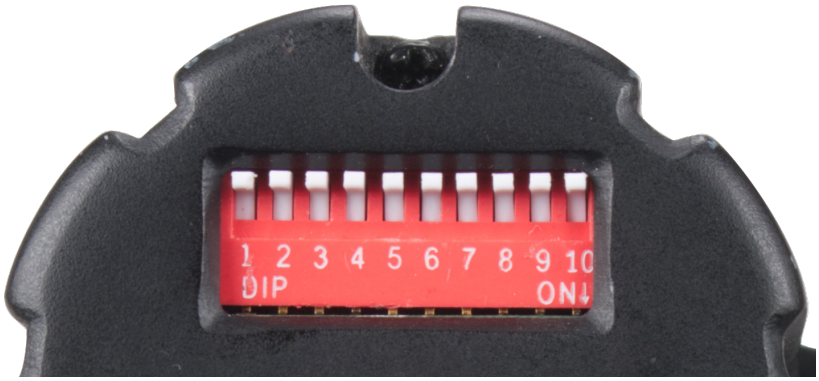
Unit 1: dim/on: #1 (=1)

Unit 2: dip/on: #1, #2, #3, (=1+2+4=7)

Unit 3: dip/on: #1, #3, #4 (=1+2+8=13)

Unit 4: dip/on: #1, #2, #5 (=1+2+16=19)

Unit	Dip Switches Setting
1	
7	
13	
19	



DMX TRAITS

CHANNEL	DMX VALUES	FUNCTION
1	000 - 255	**RED** 0 - 100%
2	000 - 255	**GREEN** 0 - 100%
3	000 - 255	**BLUE** 0 - 100%
4	000 - 255	**WHIT**E 0 - 100%
5	000 - 255	**MASTER DIMMER** 0% - 100%
6	000 - 007 008 - 255	**STROBING** NO STROBING STROBING SLOW - FAST

DMX ADDRESS QUICK REFERENCE CHART

This chart lists DMX dip switch settings for DMX address 1 through 511. Follow the instructions below to configure fixture dip siwtches with the desired DMX Address.

DMX ADDRESS QUICK REFERENCE CHART

DIP SWITCHES →

Dip Switch Position

DMX DIP Switch Settings X = OFF O = ON																			
					#9	X	X	X	X	X	X	X	X	O	O	O	O	O	O	O	O
					#8	X	X	X	X	O	O	O	O	X	X	X	X	O	O	O	O
					#7	X	X	O	O	X	X	O	O	X	X	O	O	X	X	O	O
					#6	X	O	X	O	X	O	X	O	X	O	X	O	X	O	X	O
#1	#2	#3	#4	#5																	
X	X	X	X	X			32	64	96	128	160	192	224	256	288	320	352	384	416	448	480
O	X	X	X	X		1	33	65	97	129	161	193	225	257	289	321	353	385	417	449	481
X	O	X	X	X		2	34	66	98	130	162	194	226	258	290	322	354	386	418	450	482
O	O	X	X	X		3	35	67	99	131	163	195	227	259	291	323	355	387	419	451	483
X	X	O	X	X		4	36	68	100	132	164	196	228	260	292	324	356	388	420	452	484
O	X	O	X	X		5	37	69	101	133	165	197	229	261	293	325	357	389	421	453	485
X	O	O	X	X		6	38	70	102	134	166	198	230	262	294	326	358	390	422	454	486
O	O	O	X	X		7	39	71	103	135	167	199	231	263	295	327	359	391	423	455	487
X	X	X	O	X		8	40	72	104	136	168	200	232	264	296	328	360	392	424	456	488
O	X	X	O	X		9	41	73	105	137	169	201	233	265	297	329	361	393	425	457	489
X	O	X	O	X		10	42	74	106	138	170	202	234	266	298	330	362	394	426	458	490
O	O	X	O	X		11	43	75	107	139	171	203	235	267	299	331	363	395	427	459	491
X	X	O	O	X		12	44	76	108	140	172	204	236	268	300	332	364	396	428	460	492
O	X	O	O	X		13	45	77	109	141	173	205	237	269	301	333	365	397	429	461	493
X	O	O	O	X		14	46	78	110	142	174	206	238	270	302	334	366	398	430	462	494
O	O	O	O	X		15	47	79	111	143	175	207	239	271	303	335	367	399	431	463	495
X	X	X	X	O		16	48	80	112	144	176	208	240	272	304	336	368	400	432	464	496
O	X	X	X	O		17	49	81	113	145	177	209	241	273	305	337	369	401	433	465	497
X	O	X	X	O		18	50	82	114	146	178	210	242	274	306	338	370	402	434	466	498
O	O	X	X	O		19	51	83	115	147	179	211	243	275	307	339	371	403	435	467	499
X	X	O	X	O		20	52	84	116	148	180	212	244	276	308	340	372	404	436	468	500
O	X	O	X	O		21	53	85	117	149	181	213	245	277	309	341	373	405	437	469	501
X	O	O	X	O		22	54	86	118	150	182	214	246	278	310	342	374	406	438	470	502
O	O	O	X	O		23	55	87	119	151	183	215	247	279	311	343	375	407	439	471	503
X	X	X	O	O		24	56	88	120	152	184	216	248	280	312	344	376	408	440	472	504
O	X	X	O	O		25	57	89	121	153	185	217	249	281	313	345	377	409	441	473	505
X	O	X	O	O		26	58	90	122	154	186	218	250	282	314	346	378	410	442	474	506
O	O	X	O	O		27	59	91	123	155	187	219	251	283	315	347	379	411	443	475	507
X	X	O	O	O		28	60	92	124	156	188	220	252	284	316	348	380	412	444	476	508
O	X	O	O	O		29	61	93	125	157	189	221	253	285	317	349	381	413	445	477	509
X	O	O	O	O		30	62	94	126	158	190	222	254	286	318	350	382	414	446	478	510
O	**O**	**O**	**O**	**O**		**31**	**63**	**95**	**127**	**159**	**191**	**223**	**255**	**287**	**319**	**351**	**383**	**415**	**447**	**479**	**511**

Dip Switch Position (left) — **DMX Address** (right)

DMX Address

The center numbers of this chart (1-511) represent a DMX address. The Xs and Os along the top and the side of the chart represent dip switch position (“X” for OFF and “O” for ON). Find the desired DMX address from the center chart. Identify the position for dip switches 1-5 from the chart on the left and dip switches 6-9 from the chart on the top. Adjust the dip swirtches on your fixture to match the position settings of the chart. For fixtures with 10 dip switches; dip switch 10 is reserved for special functions.

MAINTENANCE GUIDELINES

DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

CLEANING

Frequent cleaning is recommended to ensure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky, or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Clean the external lens surface regularly with a soft cloth to avoid dirt/debris accumulation.

Due to fog residue, smoke, and dust cleaning the internal and exter- nal 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.

NEVER use alcohol, solvents, or ammonia-based cleaners.

SPECIFICATIONS

8W Quad (4-in-1) RGBW LED Pinspot (Rated at approximately 10,000 hours)

Operational Modes: DMX Controlled / Sound Active / IR Remote / Auto Run Programs

Beam Angle: 15-Degrees

Lumens: 740 @ 1M at 15°

DMX Channel: 6 Channel

DMX Connections: 3-Pin DMX In / Out

Dimming: Adjustable via IR remote

Shutter / Strobe: Adjustable via IR remote

Flicker free

ADJ UC IR wireless remote included

Power Consumption: 11W Max

Input Voltage: AC 100V-240V 50/60Hz

Dimensions: 8” x 4” x 2.75” / 205x98x61mm

Weight: 1 lbs / 0.4kgs

C ETL US
Intertek
5014475