

# American DJ D-LIGHT SYNC PAK



## User Instructions

American DJ®  
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### D-Light Sync Pak

### Introduction

**Introduction:** Thank you for purchasing the D-Light Sync Pak by American DJ®. The D-Light Sync Pak is a simple, plug and play lighting effect. The D-Light connects to adaptable Sony® audio systems that have the Sony® DLS-1 controller. The unit uses two lamps in each light, and colored lenses to create bright, colorful, beams of light. This unit is sound active and includes a built-in microphone. The D-Light Sync Pak is designed for house partys, backyard parties, small gatherings, and any area that requires a compact, light weight, easy to use fixture.

**Unpacking:** Every D-Light Sync Pak 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 units for any damage and be sure all accessories necessary to operate the system have arrived intact. In the event damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Please do not return the system to your dealer without first contacting customer support.

**Customer Support:** American DJ® provides a toll free customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at [www.americandj.com](http://www.americandj.com) for any comments or suggestions. Service Hours are Monday through Friday 9:00 a.m. to 5:00 p.m. Pacific Standard Time.

Voice: (800) 322-6337

Fax: (323) 582-2610

E-mail: [support@americandj.com](mailto:support@americandj.com)

To purchase parts online visit <http://parts.americandj.com>

### American DJ Europe Customer Support:

Voice: +31 45 546 85 00

Fax: +31 45 546 85 99

E-mail: [service@americandjeurope.com](mailto:service@americandjeurope.com)

**Warning!** To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

*Do not discard the shipping carton in the trash. Please recycle when ever possible.*

## D-Light Sync Pak

## General Instructions

To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

## D-Light Sync Pak

## Service Warning

There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufacturer's warranty. In the unlikely event your unit may require service please contact your nearest American DJ dealer.

## D-Light Sync Pak

## Features

- Colored Beams
- Includes Built-In Hanging Yoke
- Sound-Active
- Easy Access Lamp Replacement
- Light Weight
  - Depending on area voltage
- 2 x LL-100DLS120 120V/100W Lamp
- 2 x LL-100DLS230 230V/100W Lamp
- 2 x LL-100DLS240 240V/100W Lamp
- DMX Compatible
- Linkable to various other American DJ products with XLR connections
- 2 x XLR Cables
- 2 x Table or Floor Stands

## D-Light Sync Pak

## Warranty Registration

The D-Light Sync Pak carries a 1 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 prepaid 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 and included in the shipping container. 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 customer support at (800) 322-6337.

## D-Light Sync Pak

## Safety Guidelines

**Safety Issues:** This unit may blow a fuse if the maximum allotted load of 4 amps is reached. If the fuse needs replacement, always replace the fuse with same exact type that was removed, unless otherwise instructed by an authorized American DJ® service technician. Use of a different type fuse from that which is recommended may cause fire or electric shock and will void the manufacturer's warranty.

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture
- Do not spill water or other liquids into or on to your unit
- Do not attempt to operate this unit if the power cord has been frayed or broken
- 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
- Disconnect from main power before making any type of connection
- Do not remove the cover under any conditions. There are no user serviceable parts inside
- Never plug this unit into a dimmer pack
- 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
- Do not attempt to operate this unit, if it becomes damaged
- This unit is intended for indoor use only, use of this product outdoors voids all warranties
- During long periods of non-use, disconnect the unit's main power
- Always mount this unit in safe and stable manner
- Power cords should be routed so they are not likely to be walked on, pinched by items placed upon or against them.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See page 9 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 unit.
  - C. The unit has been exposed to rain or water.
  - D. The unit does not appear to operate normally or exhibits a marked change in performance.

## D-Light Sync Pak

## Set-Up

**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.

**Data Cable (DMX Cable) Requirements (For DMX and Master/Slave Operation):** The D-Light can be controlled via DMX-512 protocol. The D-Light is a two channel DMX unit. The DMX address is set on the rear panel of the D-Light. Your unit and your DMX controller require a standard 3-pin XLR connector for data input and data output. If you are making your own cables, be sure to use standard two conductor shielded cable (This cable may be purchased at almost all pro sound and 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 can not be split.



## D-Light Sync Pak

## Operating Instructions

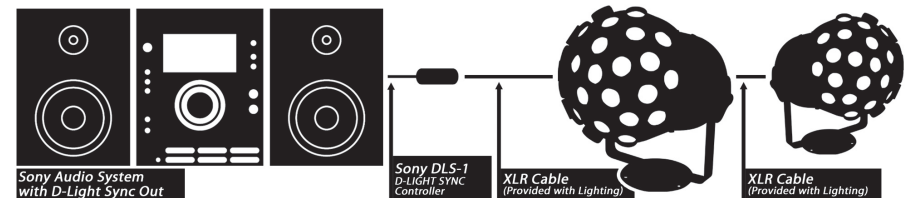
**Power Supply:** Before plugging your unit in, be sure the source voltage in your area matches the required voltage for your American DJ® D-Light before attempting operation. **Note: The D-Light must first be connected to a DLS-1 controller or DMX controller in order to work.**

### General Operation:

This fixture is designed to operate only when connected to the compatible Sony® Audio system along with the Sony® DLS-1 controller or a DMX controller. The D-Light use two lamps to create multiple strobing colored beams of light. Follow the instructions below to connect your D-Light System, or simply follow the diagram below.

1. With the power off on your Sony® Audio System. Connect an XLR cable to the end of the DLS-1 controller. Connect the other end of the XLR cable to one of the D-Lights. Use the other XLR cable to daisy chain the D-Light to the other D-Light. **Remember the female XLR is the output, and the male XLR is the input.**
2. Switch the power on to your Sony® audio system, and plug in your D-Lights.

There is no power switch, after plugging the unit in, if there is no lamp output check the fuse and bulbs. If the fuse and bulbs are good, please contact customer support for further instructions, the unit may need to be returned unit for servicing. After plugging this fixture in, the unit will immediately light and the internal motor will begin to spin to an audio signal.



**D-Light Sync Pak****Operating Instructions****Universal DMX Control:**

This function allows you to use a universal DMX controller such as the Elation® Show Designer 2.™ The use of a DMX controller will allow you to customize the operation of the fixture allowing you to have independent control of the lamps and motor. This will allow you to create your own programs or use your fixtures as textured color changers.

- A. The D-Light is a two channel DMX fixture. Channel 1 controls the lamp functions and channel 2 controls the motor function. See page 8 for DMX traits and values.
- B. For help running in DMX mode consult the manual that came with your DMX controller.

**D-Light Sync Pak****Trouble Shooting**

**Trouble Shooting:** Listed below are a few common problems that you may encounter, with solutions.

No light output from the unit;

1. Be sure you have connected your unit into a wall outlet with a matching power supply.
2. Be sure the external fuse has not blown. The fuse is located on the rear panel.
3. Pull back the lamp cover and be sure the lamps are seated in there sockets properly. Occasionally lamps become loose during shipping, be sure the lamps are pushed in to the socket completely.

Unit does not respond to sound;

1. Be sure the sound sensitivity knob is not turned off (turned completely in the counter-clockwise direction.)
2. Low frequencies (bass) should cause the unit to react to sound. Tapping on the microphone, quiet or high pitched sounds may not activate the unit.

**D-Light Sync Pak****DMX Values and Functions**

Channel	Value	Function
1	0 - 9	<u>LAMPS</u>
	10 - 69	BOTH LAMPS OFF
	70 - 129	BOTH LAMPS CHASE SLOW → FAST
	130 - 189	LEFT LAMP FLASHES SLOW → FAST
	190 - 249	RIGHT LAMP FLASHES SLOW → FAST
250 - 255	BOTH LAMPS FLASH SLOW → FAST BOTH LAMPS FULL ON	
2	0 - 9	<u>MOTOR</u>
	10 - 109	MOTOR OFF
	110 - 209	CLOCKWISE ROTATION SLOW → FAST
	210 - 255	COUNTER CLOCKWISE ROTATION SLOW → FAST MOTOR DIRECTION VARIES

## D-Light Sync Pak

## Cleaning

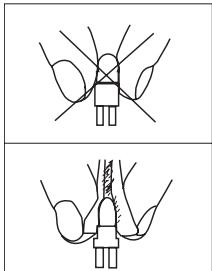
Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Use a brush to wipe down the fan grill.
3. Clean the external optics with glass cleaner and a soft cloth every 20 days.
4. Clean the internal optics with glass cleaner and a soft cloth every 30-60 days.
5. 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).

## D-Light Sync Pak

## Halogen Lamp Warning



**Halogen Lamp Warning:** This fixture is fitted with halogen lamps which are highly susceptible to damage if improperly handled. Never touch the lamps with your bare fingers as the oil from your hands will shorten lamp life. Also, never move the fixture until the lamps have had ample time to cool. Remember, lamps are not covered under warranty conditions.

## D-Light Sync Pak

## Lamp & Fuse Replacement

**Caution:** Always replace with the exact same type lamp, unless otherwise specified by an authorized American DJ® technician. Replace with anything other than the specified part can damage your unit and will void your manufactures warranty.

**Warning:** If after replacing the lamp you continue to blow lamps, STOP using the unit. Contact customer support for further instructions, you may have to return the unit for servicing. Continuing to use the unit may cause serious damage.

**Lamp Replacement:** Caution! Never open the unit when it is in use. Always disconnect the main power and allow the fixture ample time to cool before attempting to replace the lamp. Lamp replacement has been made simple by incorporating a split dome that is retained by a single thumb screw. Again, please remember to always replace with the exact same type lamp.

1. Be sure to follow the proper procedures when handling halogen lamps. Never touch the new lamp with your bare fingers.
2. Unscrew and remove the two phillips screws located on each side of the dome lens assembly.
3. Once the phillips screws have been removed, remove the dome grill to expose the lamps.
4. Remove and replace the bad lamp or lamps with an exact match.
5. Reassemble in reverse order.

**Fuse Replacement:** Disconnect from the main power supply. Insert a standard flat head screw driver in to the fuse holder housing. Turn the screwdriver in counter-clockwise direction to remove the fuse holder. Remove the old fuse and discard it, replace the fuse with the same type. Insert the fuse back into it's housing.

*If you continue to blow fuses, STOP using the unit. Returning the unit for servicing. Continuing to use the unit may cause serious damage.*

**Caution:** Always replace with the exact same type lamp and fuse, unless otherwise specified by an authorized American DJ® technician.

## D-Light Sync Pak

## Warranty

### 1 YEAR LIMITED WARRANTY

A. American DJ® hereby warrants, to the original purchaser, American DJ® products to be free of manufacturing defects in material and workmanship for a period of 1 Year from the date of purchase. 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, send the product only to the American DJ® factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, American DJ® 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 its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, American DJ® 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 American DJ® concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the American DJ® factory unless prior written authorization was issued to purchaser by American DJ®; 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 maintenance, cleaning or periodic check-up. During the period specified above, American DJ® will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of American DJ® under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of American DJ®. All products covered by this warranty were manufactured after January 1, 1990, and bear identifying marks to that effect.

E. American DJ® 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.

F. 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 American DJ® 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 American DJ® be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

G. This warranty is the only written warranty applicable to American DJ® Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

H. Lamps are not covered under this or any other warranty, either written or implied.

## D-Light Sync Pak

## Specifications

<b>MODEL:</b>	<b>D-Light Sync Pak</b>
<b>VOLTAGE*:</b>	120v~60Hz or 230v~50/60Hz
<b>LAMP:</b>	LL-100DLS120 120V x 2 LL-100DLS230 230V x 2 LL-100DLS240 240V x 2
<b>DIMENSIONS:</b>	210 (L) x 210 (W) x 300 (H) mm
<b>WEIGHT:</b>	6 LBS/ 2.8KGS.
<b>FUSE:</b>	4 AMP
<b>WORKING POSITION:</b>	ANY SAFE POSITION
<b>COOLING:</b>	FAN COOLED
<b>GOBOS:</b>	NONE
<b>COLORS:</b>	MULTI-COLORED
<b>WARRANTY:</b>	1 YEAR LIMITED WARRANTY

\* Voltage is preset at the factory

**Please Note:** Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.



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