

# American DJ®

# QUICK SCAN SYS



**Introduction:** Thank you for purchasing the Quick Scan™ by American DJ®. The Quick Scan™ is a packaged special effect lighting system (systems includes; 3 XLR cable, Quick/C remote control, and 4 Quick Scan™ units). Everything you need for a great portable lighting system is included in this one package. The system will run in a master/slave configuration, any of the units can act as masters or as slaves. The unit functioning as the master will react to an audio signal via the built-in microphone, and the slaves will follow the master. The Quick Scan™ is a 4 unit system with each unit including a bright 150 watt lamp and replaceable gobos and colored dichroic lenses. Add the unique lighting effect with the compact and light case design and you get a completely portable lighting effect show. This system is great for mobile DJ's, bands, and small clubs. The system is system set up and easy in minutes and packs a powerful light show in a relatively small package. For best results use this system with a fog machine or other type of special effect fog to enhance the output of the colorful beams produced beams.

**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. For service related issue please contact American DJ®. 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>

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

**Caution!** There are no user serviceable parts inside these units. Do not attempt any repairs yourself, doing so will void your manufactures warranty. In the unlikely event any of your units require service please contact your nearest American DJ® customer support.

**PLEASE recycle the shipping carton whenever possible.**

## User Instructions

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**Quick Scan™ Unpacking**

Unpacking: Every Quick Scan™ system 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.

**Quick Scan™ Product Registration**

The Quick Scan™ system carries a one year (365 days) 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 sheet 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 toll free 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.

**Quick Scan™ Safety Precautions**

- Do not spill water or other liquids into or on to your unit.
• Be sure that the local power outlet match that of the required voltage for your unit.
• Do not attempt to operate this unit if the power cord has been frayed or broken. Please route your power cord away from foot traffic.
• 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 the event of an internal short.
• Disconnect from main power before making any type of connection.
• Do not remove the rear cover under any conditions. There are no user serviceable parts inside.
• Never plug this unit in to 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 in any way.
• Never operate this unit when it's front cover is removed.
• To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture
• 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 matter.
• Power-Cord Protection - Power-supply cords should be route so they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords a plugs, convenience receptacles, and the point where they exit from the fixture.
• Cleaning -The fixture should be cleaned only as recommended by the manufacturer.
• Heat -The fixture 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 appliance.
C. The appliance has been exposed to rain or water.
D. The fixture does not appear to operate normally or exhibits a marked change in performance.

**Power Supply:** Before plugging your unit in, be sure the source voltage in your area matches the required voltage for your American DJ® Quick Scan.™ The American DJ® Quick Scan™ is available in a 120v and 220v version. Because line voltage may vary from venue to venue, you should be sure your unit voltages matches the wall outlet voltage before attempting to operate your fixture.

**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 and Master/Slave Operation):** The Quick Scan™ can be controlled via DMX-512 protocol. The Quick Scan™ is a one channel DMX unit. The DMX address is set on the back panel of the Quick Scan.™ Your unit and your DMX controller require a standard 3-pin XLR connector for data input and data output (Figure 1). 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.

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Figure 1

**Notice:** Be sure to follow figures two and three 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 in contact with the XLR’s outer casing. Grounding the shield could cause a short circuit and erratic behavior.

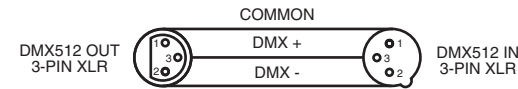


Figure 2

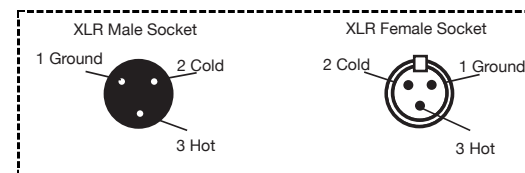


Figure 3

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

**5-Pin XLR DMX Connectors.** Some manufactures use 5-pin XLR connectors for DATA transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used, these adaptors are readily available at most electric stores. The chart below details a proper cable conversion.

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Pin 4 - Do Not Use
Not Used		Pin 5 - Do Not Use

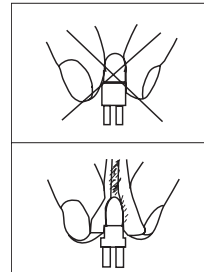
**Universal DMX Control:** This function allows you to use a universal DMX-512 controller such as the Elation® DMX Operator™ or Show Designer™ to control mirror movement. **Special Note:** *Because these units are designed to automatically go in to sound-active mode when they do not sense a DMX signal, these units may activate when your DMX controller is turned off. To avoid this problem leave your DMX controller on when the lights are powered on and be sure the sound sensitivity knob is always turned down (counter-clockwise) when running these units in DMX mode.*

1. The Quick Scan™ uses one DMX channel. Channel 1 controls the movement and speed of the mirror.
2. To control your fixture in DMX mode, follow the set-up procedures on pages 5 - 7 as well as the set-up specifications that are included with your DMX controller.
3. Use the controller's first fader to control the mirror.
4. For help operating in DMX mode consult the manual included with your DMX controller.

**Master/Slave/Sound Active Mode:** The Quick Scan System runs in a master/slave sound active mode, only. In this mode the system runs to the beat of the music without any type of controller. The slave units will follow the master heads movement step for step. Before plugging your units in, be sure the dip switches are set to the proper Master/Slave Setting. The dip switches are located on the back of the units.

1. Mount your units in a safe and secure manner.
2. Connect the “slave” units to the “master” unit. Using the provided XLR microphone cables, daisy chain your units together via the XLR connector on the rear of the units. Remember the Male XLR connector is the input and the Female XLR connector is the output.
3. Follow the dip switch settings on this page. The dip switches are located on the back near the bottom of the unit.
4. If you wish to use the optional remote control, connect it now. The remote control will allow you to activate a blackout mode.
5. Connect the unit to main power.
6. The unit will now react to the low frequencies of music via the internal microphone.

Follow the dip switch setting below to obtain a completely sound active synchronized light show. Head movements will match step for step.



**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.

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

**Warning:** If you continue to blow either the lamp or fuse, one after another, 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 lamps. 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 the two thumb screws on the back of the unit.
3. Once the thumb screws have been removed, remove the lamp assembly cover to expose the lamp.
4. Remove and replace the lamp
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, located on the back of the unit. 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.

**For any other service related issues, please contact American DJ® customer support.**

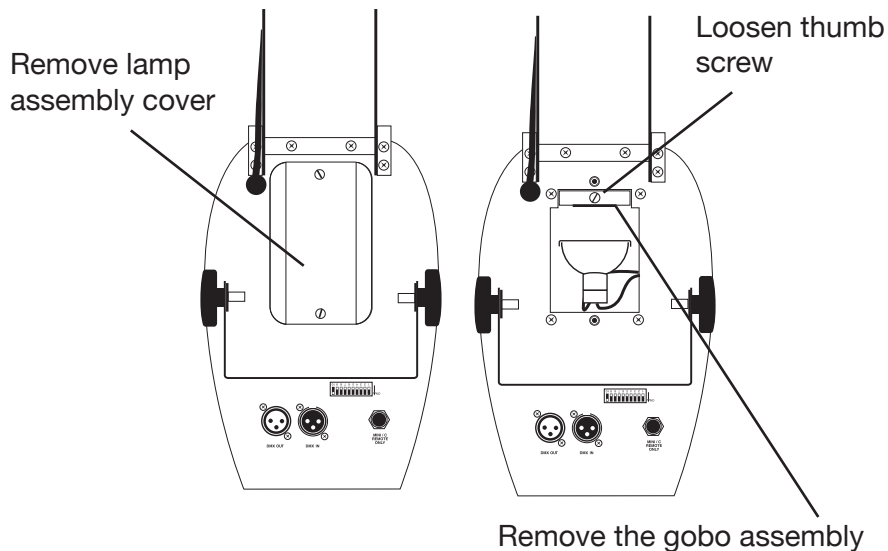
## Quick Scan™

## Gobo and Color Change

The Quick Scan™ in the system comes with a set of four additional dichroic colored filters and four additional different patterned gobos. These can be interchanged at any time and allows you to customize your system. With the additional colors and gobos you can have all same gobos with different colors, all the same colors with different gobos, or a mixture of any type.

To replace colors and or gobos;

1. Remove the two thumb screws and remove the back access cover.
2. Locate and remove the single thumb screw directly in front of the lamp.
3. Pull out the gobo assembly.
4. Once the gobo assembly has been removed, remove the retaining ring by pitching the ends inwards.
5. The gobo and color filter will now easily pop out. Remove and replace the color and/or gobo with your desired replacement.
6. When reassembling be sure the gobo goes in first and the color filter goes on second.



## Quick Scan™

## 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 outer casing.
2. Use a brush to wipe down the cooling vents.
3. Clean the external portion of the optics with glass cleaner and a soft cloth every 20 days. Situation may vary. If used heavily in clubs with lots of fog, cleaning may be required more often.
4. Clean the internal portion of the 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 in.

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

## Quick Scan™

## 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 units into a standard 120v outlet.
2. Be sure the fuse is good.
3. Remove the lamp cover and be sure the lamps are seated in their socket properly. Occasionally lamps become loose during shipping be sure the lamps are properly seated in their sockets.

Unit does not respond to sound;

1. 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.
2. Be sure the blackout button on the remote control is not engaged.

## 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 (365 days) 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.

**MODEL: QUICK SCAN™**

<b>VOLTAGE*:</b>	120v~60Hz or 220v~50Hz
<b>LAMP (PER UNIT):</b>	LL-EFR 15v/150w
<b>DIMENSIONS:</b>	19" L x 7.5" W x 8.5"H (with yoke collapsed)
<b>WEIGHT:</b>	10.5 Lbs/ 4.8 Kgs
<b>FUSE:</b>	5 Amp
<b>WORKING POSITION:</b>	Any safe position
<b>COOLING:</b>	Fan Cooled
<b>GOBOS:</b>	1(3 other gobos included)
<b>COLORS:</b>	1(3 other colors included)
<b>WARRANTY:</b>	1 Year (365 days)

\* 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.