

<b>Model:</b>	<b>Super Spot LED</b>
<b>Voltage:</b>	100V ~ 240V/50~60Hz
<b>LEDs:</b>	1 x 10W White LED
<b>Beam Angle:</b>	3 Degrees
<b>Power Consumption:</b>	13.3W
<b>Dimensions:</b>	7.25"(L) x 7.5"(W) x 8.25"(H) 175mm x 189mm x 211mm
<b>Weight:</b>	4 Lbs. / 1.6 kgs.
<b>Fuse:</b>	1A
<b>Duty Cycle:</b>	None
<b>DMX:</b>	2 DMX Channels
<b>Sound Active:</b>	Yes
<b>Working Position:</b>	Any Safe, Secure Position
<b>Warranty:</b>	2 Year (730 days)

**Auto Sensing Voltage:** This fixture contains a automatic voltage switch, which will auto sense the voltage when it is plugged into the power source.

**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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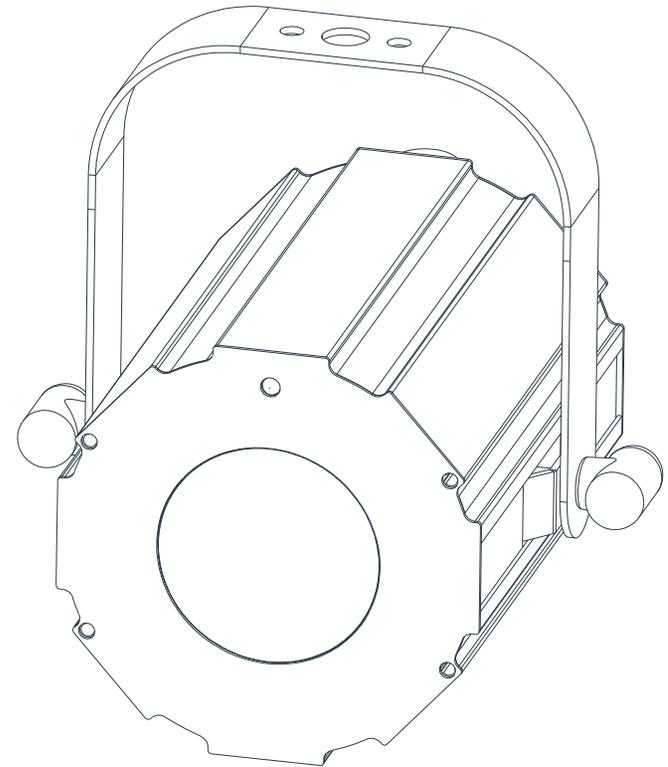


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# SUPER SPOT LED



## User Instructions

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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!

B

## Super Spot LED

## Warranty

### 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 its 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 maintenance, 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 identifying 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:

- **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 = 90-Day Limited Warranty**
- **L.E.D. Products = 2-year (730 days) Limited Warranty** (excluding motors, PCB boards, and power supplies, which have a 1-year (365 day Limited Warranty) and batteries which have a 180 day limited warranty).

## Super Spot LED

## Fuse Replacement

Locate and remove the unit's power cord. Once the cord has been removed locate the fuse holder located inside the power socket. Insert a flat-head screw driver into the power socket and gently pry out the fuse holder. Remove the bad fuse and replace with a new one. The fuse holder has a built-in socket for a spare fuse be sure not to confuse the spare fuse with active fuse.

## Super Spot LED

## Cleaning

**Fixture Cleaning:** Due to fog residue, smoke, and dust cleaning the internal and external optical lenses and mirror should be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew). In heavy club use we recommend cleaning on a monthly basis. Periodic cleaning will ensure longevity, and crisp output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Use a brush to wipe down the cooling vents and fan grill.
3. Clean the external optics and mirror 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.

## Super Spot LED

## 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 the external fuse has not blown. The fuse is located on the rear panel of the unit.
2. Be sure the fuse holder is completely and properly seated.

### **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.

## Super Spot LED

## General Information

**Unpacking:** Thank you for purchasing the Super Spot LED by ADJ Products, LLC. Every Super Spot LED 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 equipment necessary to operate the unit has 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 this unit to your dealer without contacting customer support first.

**Introduction:** The Super Spot LED is a DMX LED beam and strobe lighting effect. The Super Spot LED can operate as a stand alone fixture or in a Master/Slave configuration. The Super Spot LED has three operating modes; sound active mode, show mode, and DMX control. *For best results use fog or special effects smoke to enhance the beams projections.*

**Customer Support:** ADJ provides a toll free customer support line, to provide 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.adj.com](http://www.adj.com) for any comments or suggestions. Service Hours are Monday through Friday 8:00 a.m. to 4:30 p.m. Pacific Standard Time.

Voice: (800) 322-6337  
Fax: (323) 582-2941  
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 unit to rain or moisture.

**Warning!** *This may cause severe eye damage. Avoid looking directly into the light source at all times!*

## Super Spot LED

## 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.

## Super Spot LED

## Features

- DMX-512 Protocol Compatible (2 DMX Channels)
- 3 Operating Modes - Sound Active, Show Mode, and DMX Control
- Internal Microphone
- Digital Display for Address and Function Setting
- UC-IR Control (Sold Separately)

## Super Spot LED

## Warranty Registration

The Super Spot LED carries a 2 year (730 days) limited warranty. Please fill out the enclosed warranty card to validate your purchase and warranty. You may also register your product online at [www.americandj.com](http://www.americandj.com). All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. If the unit is under warranty you must provide a copy of your proof of purchase invoice. Please contact ADJ customer support for a R.A. number.

## Super Spot LED

## Handling Precautions

**Caution!** 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 ADJ Products, LLC.

*ADJ Products, LLC will not accept any liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to this unit.*

## Super Spot LED

## UC-IR Control

The optional UC-IR infrared remote (sold separately) has many different functions and gives you complete control of your Super Spot LED. To control the your desired fixture you must aim the controller at the front of the fixture and be no more than 30 feet away.

**STAND BY :** Pressing this button will blackout the fixture.

**FULL ON :** Press and hold this button for full output intensity. When you release the button the fixture will return to its normal intensity.

**FADE/GOBO :** This button is invalid for the fixture.

**DIMMER + / DIMMER - :** Use these buttons to adjust the output intensity.

**COLOR :** This button is invalid for the fixture.

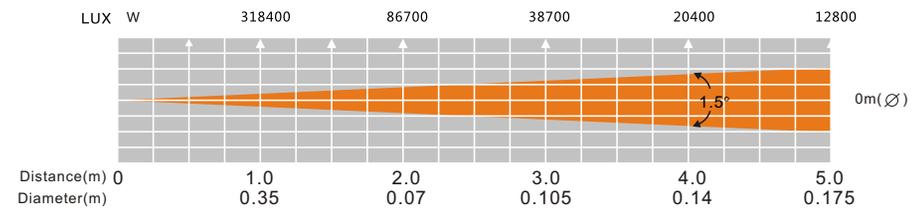
**STROBE :** Press and hold this button for at least 3 seconds to activate random strobe. Press this button quickly to activate sound active strobe.

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

**SHOW :** Press this button to activate show mode.

## Super Spot LED

## Photometric Chart



## Super Spot LED

## Master-Slave Configuration

**Master-Slave Configuration:** This function will allow you to link up to 16 units together and operate without a controller. The units will be sound activated. In Master-Slave operation one unit will act as the controlling unit and the others will react to the controlling units programs. Any unit can act as a Master or as a Slave.

1. Using approved DMX data 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. The first unit in the chain (master) will use the female XLR connector only - The last unit in the chain will use the male XLR connector only. For longer cable runs we suggest a terminator at the last fixture.
2. For the Master, press the MENU button until “**SLND**” is displayed, and press ENTER. Set the Master unit to “**Master**”. Then set the Master to your desired operating mode.
3. For the slave units press the MENU button until “**Slave Mode**” is displayed, and press ENTER. Set the slave units to either “**Slave 1**” or “**Slave 2**”.
4. The slave units will now follow the Master unit.

Super Spot LED		2 DMX Channel Mode
Channel	Value	Function
1	0 - 255	MASTER DIMMER 0% - 100%
2	0 - 7	STROBE
	008 - 015	LED OFF
	016 - 131	LED ON
	132 - 139	STROBING SLOW - FAST
	140 - 181	LED ON
	182 - 189	AST CLOSE - SLOW OPEN
	190 - 231	LED ON
	232 - 239	AST OPEN - SLOW CLOSE
	240 - 247	LED ON
	248 - 255	RANDOM STROBE LED ON

## Super Spot LED

## Safety Precautions

***For Your Own Personal Safety, Please Read and Understand This Manual Completely Before You Attempt To Install Or Operate This Unit!***

- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture
- 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.
- 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 operate this unit when it's cover is removed.
- 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.
- 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 cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See page 17 for cleaning details.
- Heat -This 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. Objects have fallen, or liquid has been spilled into the appliance.
  - B. The appliance has been exposed to rain or water.
  - C. The appliance does not appear to operate normally or exhibits a marked change in performance.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Regardless of the rigging option you choose for your Super Spot LED always be sure to secure your fixture with a safety cable (not included). Attach a safety cable to the provided safety hole located in the bracket.

**Caution:** For added protection mount the fixtures in areas outside of walking paths, seating areas, or areas where the fixture might be reached by unauthorized personnel.

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

To avoid injury, never stand directly below the device when mounting, removing, or servicing the fixture.

Always use and install a safety cable (not included) as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

**Operating Modes:** The Super Spot LED can operate in three different modes. In each mode you can run the fixture as a stand alone fixture or in a master/slave configuration. This next section will detail the differences in the operating modes.

**Universal DMX Control:** This function allows you to use a universal DMX-512 controller to control the dimmer and strobe. A DMX controller allows you to create unique programs tailored to your individual needs.

1. The Super Spot LED is a 2 channel DMX fixture. See page 15 for detailed description of the DMX values and traits.
2. To control your fixture in DMX mode, follow the set-up procedures on pages 6-8 as well as the set-up specifications that are included with your DMX controller.
3. Use the controller's faders to control the various DMX fixture traits.
4. This will allow you to create your own programs.
5. Follow the instructions on page 10 to set the DMX address.
6. For longer cable runs (more than a 100 feet) use a terminator on the last fixture.
7. For help operating in DMX mode consult the manual included with your DMX controller.

**Sound Active Mode:** This mode allows either single unit or several units linked together, to run to the beat of the music.

1. Press the MENU button until "**SOUN**" is displayed, and press ENTER. Press the UP or DOWN buttons so that "**ON**" is displayed and press ENTER.
2. To adjust the sound sensitivity level press the MENU button until "**SENS**" is displayed, and press ENTER. Use the UP or DOWN buttons to adjust the sensitivity level, "0" being least sensitive, "100" being the most sensitive. Press ENTER to set your level.

**Show Mode:** In this mode you can activate the built-in program. See pages 10-11 for more information.

1. Press the MENU button until "**SHND**" is displayed, and press ENTER.
2. Press the UP or DOWN buttons to find your desired show, press ENTER, then press and hold the MENU button for at least 3 seconds to activate.

program will test pan/tilt movement and colors.

1. Press the MENU button until “TEST” is displayed, press ENTER.
2. The fixture will now run a self test. Press MENU to exit.

**FHRS** - With this function you can display the running time of the unit.

1. Press the MENU button until “FHRS” is displayed, press ENTER.
2. The running time of the fixture will now be displayed. Press MENU to exit.

**VER** - Use this function to display the Software version of the unit.

1. Press the MENU button until “VER” is displayed, press ENTER.
2. The display will show the software version.

**Power Supply:** The ADJ Super Spot LED contains a automatic 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 by most lighting and controller manufactures 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. Therefore, the first fixture controlled by the controller could be the last fixture in the chain. 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 Super Spot LED can be controlled via DMX-512 protocol. The Super Spot LED is a 2 channel DMX unit. The DMX address is set electronically using the controls on the rear panel of the unit. Your unit and your DMX controller require a approved DMX-512 110 Ohm Data cable for data input and data output (Figure 1). 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 professional sound and lighting stores). Your cables should be made with a male and female XLR connector on either end of the cable. Also



Figure 1

remember that DMX cable must be daisy chained and cannot be split.

**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)

**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.



Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

Figure 4

the UP or DOWN buttons to choose an operating mode you would like the unit to start up in when power is applied or the DMX signal is lost.

- MASL (Master-Slave) - If the DMX signal is lost or power is applied, the unit will automatically go into Master Slave mode and run a built-in show.
- BLND (Blackout) - If the DMX signal is lost or interrupted, the unit will automatically go into stand by mode.
- LAST - If the DMX signal is lost the fixture will stay in the last DMX setting. If power is applied and this mode is set, the unit will automatically go into the last DMX set up.

3. Press ENTER to confirm your desired set up.

**LED - With this function you can have the LED display turn off after 10 seconds.**

1. Press the MENU button until “LED” is displayed, press ENTER.
2. The display will show either “ON” or “OFF”. Press the UP or DOWN buttons to select “ON” to keep the LED display on at all times, or “OFF” to switch to have the LED display switch off after 10 seconds.
3. Press ENTER to confirm. To make the LED display reappear after it has turned off, press any button.

**DISP - This function will reverse the display 180°.**

1. Press the either the MENU button until “DISP” is displayed, press ENTER.
2. Press the UP button to select “DSIP” to “flip” the display, or “DISP” to change the display back.
3. Press ENTER to confirm.

**TEST - This function will run a self test program. The test**

press and hold the MENU button for at least 3 seconds to activate. After you have set your desired show, it can be changed at any time using the UP or DOWN buttons.

**SOUN - Sound Active mode.**

1. Press the MENU button until “**SOUN**” is displayed, press ENTER.
2. The display will show either “**ON**” or “**OFF**”. Press the UP or DOWN buttons to select “**ON**” to activate sound active mode, or “**OFF**” to deactivate sound active mode.
3. Press ENTER to confirm.

**SENS - In this mode you can adjust the sound sensitivity.**

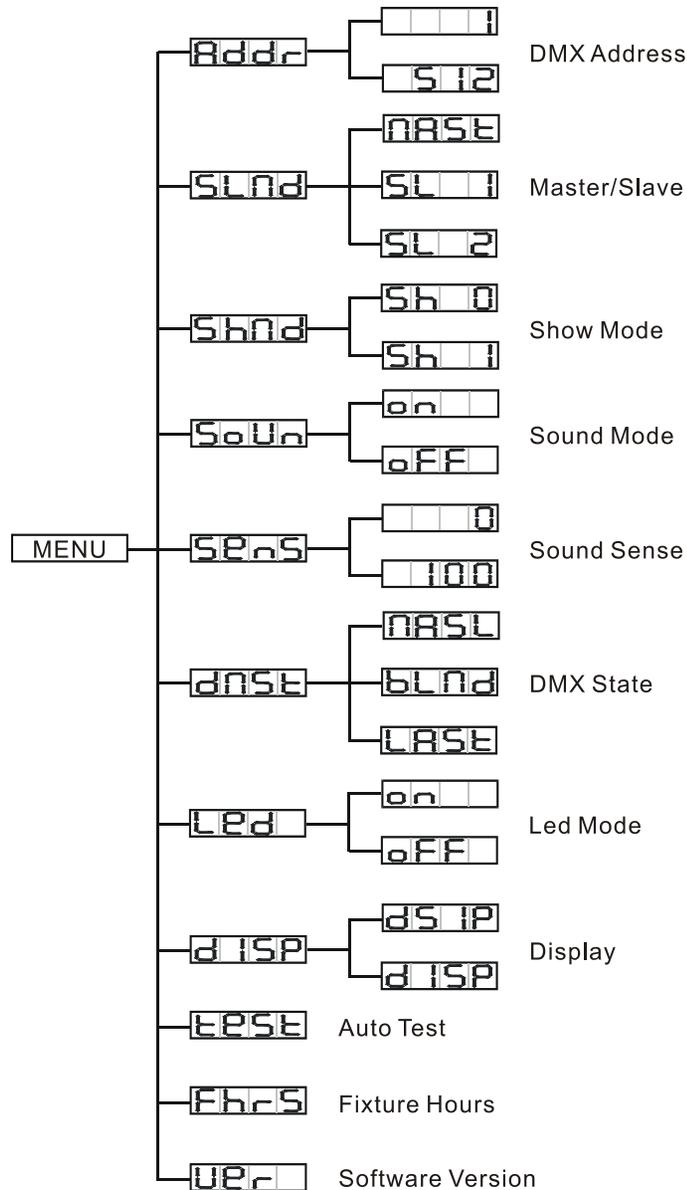
1. Press the MENU button until “**SENS**” is displayed, press ENTER.
2. A number between 0-100 will be displayed. Press the UP or DOWN buttons to adjust the sound sensitivity. 0 being the least sensitive, and 100 being the most sensitive.
3. When you have found your desired setting press ENTER to confirm.

**DNST - This mode can be used as a precaution mode, that in case the DMX signal is lost, interrupted, or power is lost, the operating mode chosen in the setup is the running mode the fixture will go into when the DMX signal is lost. You can also set this as the operating mode you would like the unit to return to when power is applied.**

1. Press the MENU button until “**DNST**” is displayed, and either “**MASL**”, “**BLND**”, or “**LAST**” will be displayed beneath.
2. Press ENTER and the bottom choice will begin to flash. Use

**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 implemented in a 3-pin DMX line. When inserting standard 5-pin data cables 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



**System Menu:** When making adjustments press **ENTER** to confirm your setup then press and hold the **MENU** button for at least 3 seconds. To exit without making any adjustments press the **MENU** button. The display will lock after 30 seconds, press the **MENU** button for 3 seconds to unlock.

**ADDR - DMX Address Setting.**

1. Press the MENU button until “**ADDR**” is displayed, press ENTER.
2. The current address will now be displayed and flashing. Press the UP or DOWN buttons to find your desired address. Press ENTER to set your desired DMX address.

**SLND - This will let you set unit as a master or slave in a master/slave configuration.**

1. Press the MENU button until “**SLND**” is displayed, press ENTER. Either “**SL 1**”, “**SL 2**”, or “**MAST**” will be displayed.
2. Press the UP or DOWN buttons until your desired setting is displayed, press ENTER to confirm.

**NOTE:** In a Master/Slave configuration you can set one fixture to Master and then set the next fixture to “**SL 2**”, the fixtures will now have contrast movement to each other.

**SHND - Show modes 0-1 (Factory programs). Show mode can run with or without sound active mode active.**

1. Press the MENU button until “**SHND**” is displayed, press ENTER.
2. “**Sh X**” will now be displayed, “**X**” representing a number between 0-1. Shows 1 is a factory program, while show “0” is random mode. Use the UP or DOWN buttons to find your desired show.

3. When you have found your desired show press ENTER, then