



# VIZI SCAN LED PRO

*American DJ®*

## Vizi Scan LED PRO

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## User Instructions

**Unpacking:** Thank you for purchasing the Vizi Scan LED PRO by American DJ®. Every Vizi Scan LED PRO 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 Vizi Scan LED PRO is a bright, high output, intelligent DMX scanner. The Vizi Scan LED PRO can be either a 12 or 14 DMX Channel unit. The fixture can operate in three different operating modes; sound active, auto run, or DMX control. The fixture can run as a Stand Alone unit or in a Master/Slave configuration. The Vizi Scan LED PRO comes with several built in programs and is best used in multiples of four. *For best results use fog or special effects smoke to enhance the beams projections.*

**During the initial start-up or use of this product a light smoke or smell may arise from the unit. This is a normal process and is cause by the heat associated with the unit.**

**Customer Support:** American DJ® 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.americandj.com](http://www.americandj.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) 582-2610

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 unit to rain or moisture.

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

- Micro-Stepping Motors for Smooth Color and Gobo Transitions
- 2 DMX Channel Modes - 12 Channel Mode & 14 Channel Mode
- Independent Gobo and Color Wheels
- 7 Rotating Gobos w/ Shake, 5 Metal and 2 Glass + Spot - All Replaceable
- 8 Colors, Plus White - With Rainbow
- Prism Wheel: 3 Facet; Trapezoid; Frost
- RDMX - Lets you set the DMX address from any DMX Controller
- 3 Operating Modes - Sound Active, Auto Run, & DMX Control
- Internal Microphone
- Edit and Save Scenes into the Memory
- Remote Focus
- Variable Strobe (1-12 fps)
- Motor Calibration Adjustment
- Pan: 180 Degrees
- Tilt: 35 Degrees
- Mic Sensitivity Adjustment
- Digital Display for Address and Function Setting

### Regarding RDMX :

1. The units will be shipped preset in 16 channel increments from the factory
2. While using RDMX, if all units are set to the same DMX address, all units will change to the new DMX address you selected.

**EXAMPLE:** You have four units, and all the units are set to the DMX address of “1”, and you change one unit to DMX address “17”, this will cause all the units to change to DMX address “17”.

All four units must be on 4 different starting addresses to individually set the DMX addresses for each unit.

**For more on this feature see pages 25-26.**

***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.
- 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 50 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.

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.

The Vizi Scan LED PRO carries a 3 year (1095 Day) 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 and 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 at the shippers cost.

**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 American DJ®.

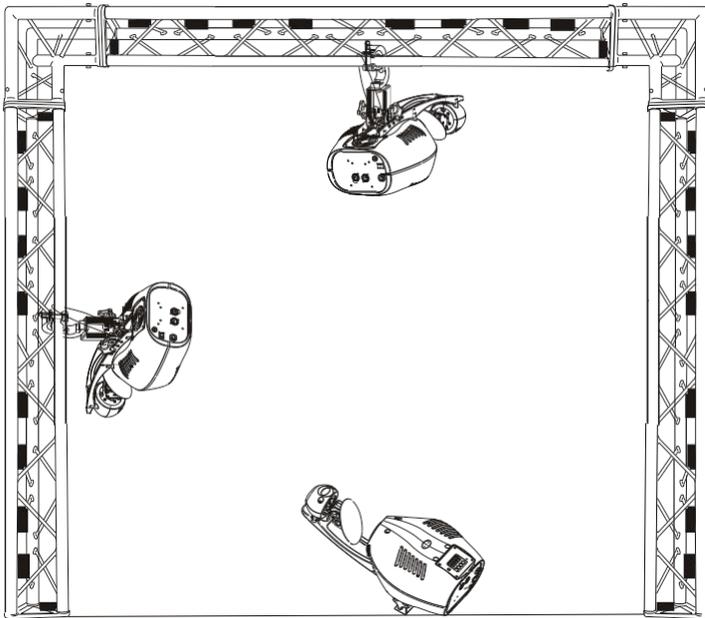
*During operation the housing may become extremely hot. Avoid touching the unit with bare hands while in use.*

*American DJ® will not accept any liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to this unit.*

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.

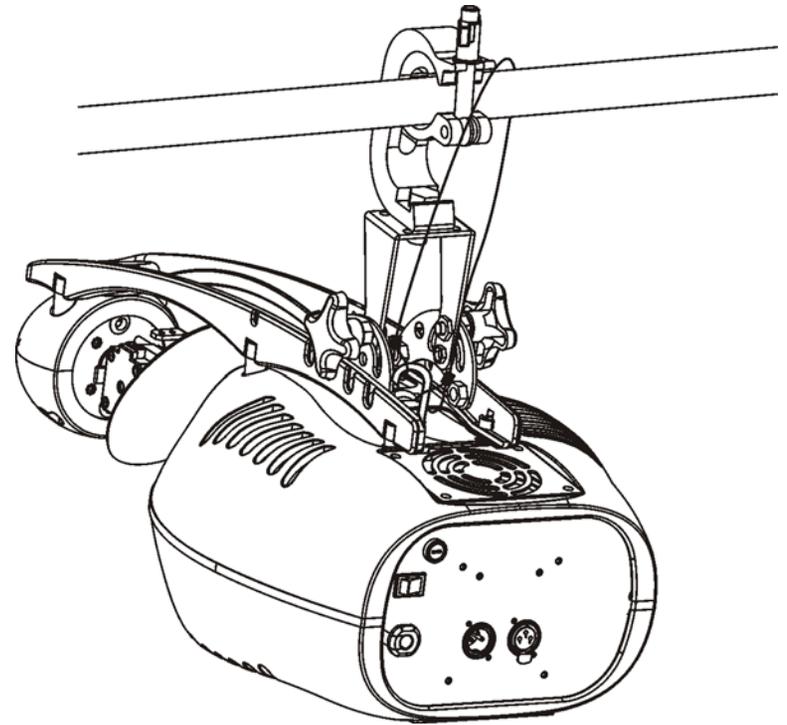
Overhead mounting requires extensive experience, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and unit. If you lack these qualifications, do not attempt the installation yourself.

These installation should be checked by a skilled person once a year.

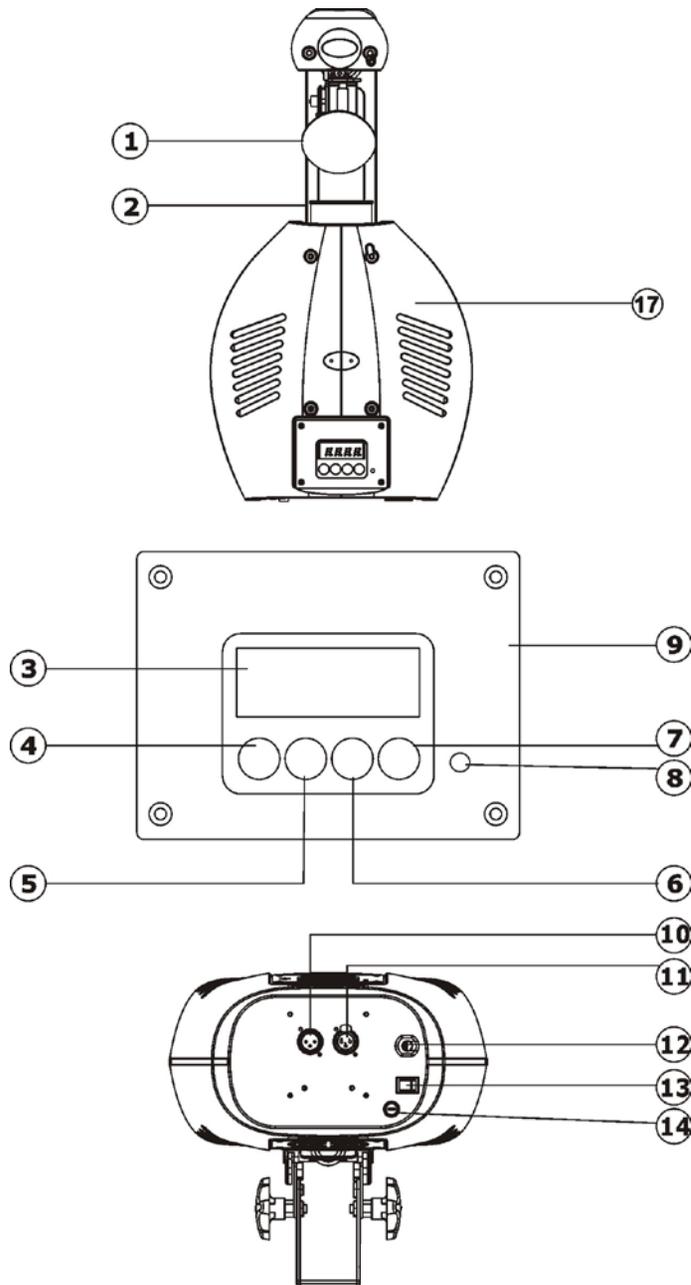


The Vizi Scan LED PRO is fully operational in three different mounting positions, hanging upside-down from a ceiling, side mounted, or set on a flat level surface. To avoid internal damage to the unit, never mount the unit on its side as illustrated above. Be sure this fixture is kept at least 0.5m away 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.

**NOTICE:** The suitable environmental temperature for this lighting fixture is between  $-25^{\circ}\text{C}$  to  $45^{\circ}\text{C}$ . Do not place this lighting fixture in an environment 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.



Screw one clamp each via a M12 screw and nut directly into the bracket of the scanner. Pull the safety-cable through the bracket of the base and over the trussing system or safe fixation spot.



**1. Mirror** - This is a highly reflective surface mirror specifically designed to optimize and enhance beam output. Never use glass cleaners that contain ammonia to clean the surface of the mirror (such as Windex).

**2. Lens Assembly** - This high quality lens is a fully focusing. Focus the lens by manually turning the lens in a clockwise or counter-clockwise direction until the desired effect is achieved.

**3. Digital Display** - This display shows the menu and operating functions that you can choose from.

**4. Mode/Esc Button** - This button is used to enter the main menu and submenus. It is also used to exit menus.

**5. Up Button** - This button is used to scroll forward when navigating through the system menu.

**6. Down Button** - This button is used to scroll backwards when navigating through the system menu.

**7. Enter Button** - This button is used to select and confirm a function in the system menu.

**8. Microphone** - This microphone receives external low frequencies to trigger the unit in Sound-Active mode. This microphone is designed to receive low frequency sounds only, tapping on the microphone and high pitch sounds may not trigger the unit.

### 9. Control Board

**10. XLR DMX Input Jack** - This jack is used to receive an incoming DMX signal or Master/Slave signal.

**11. XLR Output Jack** - This jack is used to transmit the incoming DMX signal to another DMX fixture, or transmit a Master/Slave signal to the next Vizi Scan LED PRO in the chain. For best results in DMX or Master/Slave mode terminate this jack if it is the last unit in the chain. See "Terminator" on page 13.

**12. Power Cord** - This cord used to supply power to the unit. Never use this unit if the cord is broken or frayed. Never use this fixture if the ground prong has been removed or broken off. The ground prong is designed to reduce the risk of fire or electrical shock in the event the unit suffers from an internal short.

**13. Power Switch** - This switches the power to the fixture “On” & “Off”.

**14. Fuse Holder** - This housing stores a 4 amp protective fuse. Never defeat the fuse, the fuse is designed to protect the electronics in the event of severe power fluctuations. Always be sure to replace the fuse with an exact match as the one being replaced, unless otherwise told to do so by an authorized American DJ® service technician.

**Power Supply:** The American DJ® Vizi Scan LED PRO contains an electronic ballast, which will auto sense the voltage when it is plugged into the power source. With the electronic ballast you do not need to worry about wall 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 Vizi Scan LED PRO can be controlled via DMX-512 protocol. The Vizi Scan LED PRO can be either a 12 or 14 DMX Channel unit. The DMX address is set electronically using the controls on the front 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. 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



Figure 1

the cable. Also 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.

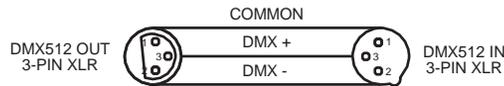


Figure 2

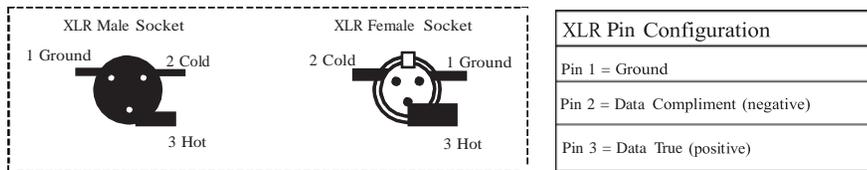


Figure 3

**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 90-120 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.

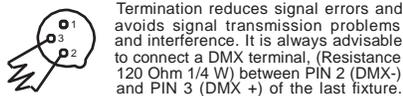


Figure 4

**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

1	ADDR	A001		Indicate the starting DMX address A001 also is the setting for slave	
2	TEST	T-01~T-XX		Automatically test the function	
3	PLAY	RUN	MSTR/ALON	Runs fixture as “master” or “alone” for auto	
		AUDI	MSTR/ALON	Runs fixture as “master” or “alone” for audio	
		AUTO	Clos/Hold/Auto/Audi	No DMX Status	
4	RESE	ALL		Reset all motors and returns fixture to home	
		SCAN		Reset only motors for pan/tilt	
		COLR		Reset only motors for colors	
		GOBO		Reset only motors for gobo and rotation	
		OTHR		Reset other motors	
5	TIME	LIFE	0000~9999	Displays the total fixture running time	
		CLMP		Clear lamp running time	
6	RPAN	ON/OFF		Reverses the pan movements	
7	RTL	ON/OFF		Reverses the tilt movements	
8	FINE	ON/OFF		Switch 16 bit/8 bit	
9	MIC	M-XX M-70		Mic sensitivity	
10	DISP	VALU	D-XX D-00 (DXXX)	Display the DMX512 value of each channel	
		D ON	ON/OFF	Display turn off after 2mins	
		FLIP	ON/OFF	This function will reverse the display 180	
		LOCK	ON/OFF	Key lock	
11	SPEC	RDMX	ON/OFF	Change DMX address via external controller	
		SPOT	ON/OFF	Lamp optimization	
		DFSE	ON/OFF	Resets all the fixture functions to default	
		FANS	AUTO/HIGH/LOW	Fan's mode select	
		HibE	OFF/1-99M 15M	Stand by mode	
		VER	V1.0~V9.9	Software version	
		ADJU	CODE CH01~CHXX	CXXX XXXX(-128~127)	Fixture code *code is “C050” Motor Fix
12	EDIT	SEPR	AUTO IP01~IP07	Select program to be edit	
		STEP	S-01 ~S-48	Set the amount of your program	
		SCXX	C-01~C-XX	XXX(0~255)	Edit the channels of each scene
			TIME	T XXX(001~999)	Time for each scene
			CEDT	ON/OFF	Edit program via controller
		REC.	RE.XX		Auto Save
		RUN	ON/OFF		Program test

Default setting shaded.

### ADDRESS MENU -

A001 - A511 (Value) - This is where you set the DMX address of the unit.

### TEST MENU -

T-01 - T-XX (Test) - Tests the functions of each channel. **Note: Some channels cannot be tested.**

### PLAY MENU -

RUN - Runs the unit as a “master” or in a stand-alone mode. The unit will run a internal program mode.

AUDI (Audio) - Runs the unit as a “master” or in a stand-alone, sound active mode.

AUTO - This is a precaution mode in case the DMX signal is lost. There are four settings to choose from:

- “Hold” - This is the default setting, which in case the signal is lost the fixture will “hold” at the last setting.
- “Close” - The fixture will return to its “home” standing.
- “Auto” - The fixture will go into Auto mode and run a pre-programmed show.
- “Audi” - The fixture will go into Sound Active mode.

### RESE (RESET) MENU -

ALL - Resets all the motors in the unit.

SCAN - Resets the motors that control pan/tilt.

COLR (Color) - Resets the color motors.

GOBO - Resets the gobo motors.

OTHR - Resets all other motors.

### TIME MENU -

LIFE - Displays the fixtures total running time.

CLMP - Clears the fixture running time.

***RPAN (REVERSE PAN) MENU -***

ON/OFF - When “On” is chosen it will reverse the pan.

***RTILT (REVERSE TILT) MENU -***

ON/OFF - When “On” is chosen it will reverse the tilt.

***FINE MENU -***

ON/OFF - Switch between 8bit (coarse) and 16bit (fine) pan & tilt movement. This also switches the DMX channel mode between 12 channel (8 bit) and 14 channel (16 bit) DMX mode.

***MIC MENU -***

M-01-M-70 - With this function you can make the internal mic more or less sensitive to sound.

***DISPLAY MENU -***

VALU (DMX-512 Value) - Display the DMX-512 value of each channel.

D ON (Display On) - Turns digital display on and off.

FLIP - “Flips” the digital display 180°.

LOCK - When activated the buttons will lock automatically. See page 26 for more information.

***SPEC MENU -***

RDMX - On/Off With this function you are able to change the DMX address via external controller. See pages 25-26.

SPOT - This provides a spot beam for better lamp optimization.

DFSE - This will reset the unit to the default settings.

FANS - Select the fan running mode.

HIBE - This feature will automatically shut down the lamp and stepping motors. Please see pages 28-29.

VER (Version) - Software version 2.2

ADJU - Calibration functions

***EDIT MENU -***

SEPR (AUTO IP01 - IP07) - Lets you edit any of the 7 internal programs.

STEP (Step) - Steps to be used in Edit Programming. See edit program. See pages 33-35.

SC01 - SC48 (Scene 01 - Scene 48) - These are the scene slots that you write your programs into. See edit program, pages 33-35.

TIME (Time) - Time for each scene. See pages 33-35.

CEDT - Edit program using a external controller. See pages 33-35.

C-01 - C-30 (Channel 1 - Channel 30) - The channels of each scene that can be edited. See pages 33-35.

**On-Board System Menu.** The Vizi Scan LED PRO comes with an easy to navigate system menu. This next section will detail the functions of each command in the system menu.

To access the main menu locate the ENTER button (7) on the front of the unit. Press this button to activate the system menu. Tap the UP button (5) or DOWN button (6) until you reach function you wish to change. When you reach the function you wish to change tap the ENTER button. When a function is selected the menu will begin to flash, use the UP button to change the function. Once your changes are made tap the ENTER button again to lock the change in the system, if the ENTER button is not selected within eight seconds the system will automatically return to menu section. To exit without making any changes tap the MODE/ESC button (4).

#### ADDR *MENU* -

#### ADDR **DMX Address Setting via control board -**

1. Access the main menu.
2. Tap the UP button until “ADDR” is displayed, press ENTER.
3. “A001” will now be displayed. Press the UP or DOWN buttons to find your desired address. Press ENTER to confirm.
4. The display will show “PASS”, and then display, your selected address again.
5. Press the MODE/ESC button to return to the main menu.

*When the display is on “A001”, you can directly press the UP or DN buttons to change the DMX start address.*

#### TEST *MENU* -

#### TEST - This will test the functions of each channel.

1. Access the main menu.
2. Tap the UP button until “TEST” is displayed, press ENTER.
3. The display will show “T0-1”, “1” stands for the channel

number 1, if you press the UP button until “T0-3” is displayed, the unit will test the color channel, changing the color one by one and showing the rainbow effect with different speeds.

4. Press MODE/ESC to exit.

#### PLAY *MENU* -

#### RUN Run the unit in an Auto mode as a “master” in a Master/Slave configuration, or as a stand-alone unit -

1. Access the main menu.
2. Tap the UP button until “PLAY” is displayed, press ENTER.
3. Tap the UP button until “RUN” is displayed, press ENTER.
4. Tap the UP or DOWN button to choose between “MSTR” or “ALON“, select your choice by pressing ENTER, “PASS” will flash in the display and fixture will begin its function.

#### AUDI Run the unit in Sound Active mode as a “master”, or as a stand-alone unit -

1. Access the main menu.
2. Tap the UP button until “PLAY” is displayed, press ENTER.
3. Tap the UP button until “AUDI” is displayed, press ENTER.
4. Tap the UP or DOWN button to choose between “MSTR” or “ALON“, select your choice by pressing ENTER, “PASS” will flash in the display and fixture will begin its function.

#### AUTO This is a precaution mode in case you lose the DMX signal. The fixture has 4 modes to choose from, please see page 16 for a description of the 4 modes -

1. Access the main menu by pressing MODE/ESC button.

2. Tap the UP button until “PLAY” is displayed, press ENTER.
3. Tap the UP button until “AUTO” is displayed, press ENTER.
4. Now you can choose between “CLOSE”, “HOLD” “AUTO”, or “AUDI”. “HOLD” is the default setting.
5. Find your desired running mode and press ENTER.

### RESE *MAIN MENU* -

**ALL** With this function you can reset all the motors.

1. Access the main menu.
2. Tap the UP button until “RESE” is displayed, press ENTER.
3. Tap the UP button until “ALL” is displayed.
4. Press ENTER to reset.

**SCAN** With this function you can reset the pan/tilt motors.

1. Access the main menu.
2. Tap the UP button until “RESE” is displayed, press ENTER.
3. Tap the UP button until “SCAN” is displayed.
4. Press ENTER to reset.

**COLR** With this function you can reset the color wheel motor.

1. Access the main menu.
2. Tap the UP button until “RESE” is displayed, press ENTER.
3. Tap the UP button until “COLR” is displayed.
4. Press ENTER to reset.

**GOBO** With this function you can reset the gobo wheel motor.

1. Access the main menu.
2. Tap the UP button until “RESE” is displayed, press ENTER.
3. Tap the UP button until “GOBO” is displayed.
4. Press ENTER to reset.

**OTHR** - When you activate this reset function, the fixture will reset all other motors that are not listed in RESE menu.

1. Access the main menu by pressing MODE/ESC button.
2. Tap the UP button until “RESE” is displayed, press ENTER.
3. Tap the UP button until “OTHR” is displayed.
4. Press ENTER to reset all other motors, or press MODE/ESC to cancel and return to the main menu.

### TINE *MAIN MENU* -

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

1. Access the main menu.
2. Tap the UP button until “TIME” is displayed, press ENTER.
3. Tap the UP button until “LIFE” is displayed, press ENTER.
4. The display shows the running time of the unit.
5. Press MODE/ESC to return to the main menu.

**CLMP** - With this function you can clear the running time of

**the fixture.**

1. Access the main menu.
2. Tap the UP button until “TIME” is displayed, press ENTER.
3. Tap the UP button until “CLMP” is displayed.
4. Press ENTER to clear the lamp time, or press MODE/ESC to return to the main menu.

**RPAN MAIN MENU -****RPAN - The movement of the tilt will be reversed.**

1. Access the main menu.
2. Tap the UP button until “RPAN” is displayed, press ENTER.
3. The display will show “ON/OFF”.
4. Press the UP button to select “ON” to activate this function, or “OFF” to deactivate this function.
5. Press ENTER to confirm.
6. Press MODE/ESC to return to the main menu.

**RTLTL MAIN MENU -****RTLTL - The movement of the Tilt will be reversed.**

1. Access the main menu.
2. Tap the UP button until “RTLTL” is displayed, press ENTER.
3. Press ENTER, the display will show “ON/OFF”.
4. Press the UP button to select “ON” to activate this function, or “OFF” to deactivate this function.
5. Press ENTER to confirm.
6. Press MODE/ESC to return to the main menu.

**FINE MENU -****FINE - Switch between 8bit (coarse) and 16bit (fine) pan & tilt movement. This also switches the DMX Channel mode between 12 channel (8 bit) and 14 channel (16 bit) DMX mode.**

1. Access the main menu.
3. Tap the UP button until “FINE” is displayed, press ENTER.
4. Press the UP or DOWN buttons to select either “ON” (14 Channel Mode) to activate this function, or “OFF” (12 Channel Mode) to deactivate this function.
5. Press ENTER to confirm.
6. Press MODE/ESC to return to the main menu.

**MIC MENU -****MIC - The internal microphone can be made more or less sensitive.**

1. Access the main menu.
3. Tap the UP button until “MIC” is displayed, press ENTER.
4. The display will show “M-01”.
5. Press the UP or DOWN button to adjust the microphone sensitivity between “M-01 - M-99”.
6. Press ENTER to confirm when you have reached your desired microphone sensitivity level.
7. Press MODE/ESC to return to the main menu.

**DISP MAIN MENU -****VALU Display the DMX-512 value of each channel -**

1. Access the main menu.
2. Tap the UP button until “DISP” is displayed, press ENTER.
3. Tap the UP button until “VALU” is displayed, press ENTER.
4. The display should show “D-00”. Press the UP button in order to select the desired channel. If you select “D-05” the display will only show the DMX value of the 5th channel
5. Press ENTER to confirm.
6. Press MODE/ESC to return to the main menu.

**Now the display will change as per the 5th channel DMX value.**

### **D ON Shuts off digital display after 2 minutes.**

1. Access the main menu.
2. Tap the UP button until “DISP” is displayed, press ENTER.
3. Tap the UP button until “D ON” is displayed, press ENTER.
4. “CLDI” should now be displayed, press ENTER.
5. The display will show “ON/OFF”. Press the UP button to select “ON” to activate this function, or “OFF” to deactivate this function.
6. Press ENTER to confirm.
7. Press MODE/ESC to return to the main menu.

### **FLIP - This function will reverse the display 180°.**

1. Access the main menu.
2. Tap the UP button until “DISP” is displayed, press ENTER.
3. Tap the UP button until “FLIP” is displayed.
4. Press ENTER, the display will show “ON/OFF”.

5. Press the UP button to select “ON” to activate this function, or “OFF” to deactivate this function.
6. Press ENTER to confirm.
7. Press MODE/ESC to return to the main menu.

**LOCK - With this function you can activate the automatic button lock. When this function is activated, the buttons will automatically lock 15 seconds after the last press of a button. In order to deactivate the button lock, press the MODE/ESC button for 3 seconds.**

1. Access the main menu.
2. Tap the UP button until “DISP” is displayed.
3. Tap the UP button until “LOCK” is displayed, press ENTER.
4. Press the UP or DOWN buttons to select either “ON” to activate this function, or “OFF” to deactivate this function.
5. Press ENTER to confirm.
6. Press MODE/ESC to return to the main menu.

### **SPEC MAIN MENU -**

**RDMX With this function you are able to change the DMX address via any DMX controller. This function is factory set to “ON” already.**

1. Access the main menu by pressing MODE/ESC.
2. Tap the UP button until “SPEC” is displayed, press ENTER.
3. Tap the UP button until “RDMX” is displayed, press ENTER.
4. The display will show “ON/OFF”. Press the UP button to select “ON” to activate this function, or “OFF” to deactivate.

5. Press ENTER to confirm, and “PASS” will flash quickly.
6. Press MODE/ESC to return to the main menu.

***To use this function follow the instructions:***

To adjust the address of your unit you must first go to the address that it is currently set to. From there you can adjust the address. First make sure all channels are set to the value of “0”.

1. On your DMX controller set the DMX value of Channel 1 to the value “7”.
2. Now set the DMX value of Channel 2 to the value “7” to adjust the starting address between 1 and 255. To adjust the address between 256 and 511 set Channel 2 to the value “8” .
3. Set the DMX value of Channel 3 to your desired starting address. This will take about 20 seconds before the unit accepts the new DMX address.

**EXAMPLE:** So, if you want the address to be 57, you must first set the address that is currently assigned to the unit. The proceed to set Channel 1s’ value to “7”, Channel 2s’ value to “7”, and Channel 3s’ value to “57”.

**2ND EXAMPLE:** Again, if you want the address to be 420, you must first set the address that is currently assigned to the unit. If you want the set the address to 420, set Channel 1s’ value to “7”, Channel 2s’ value to “8”, and Channel 3s to “164”. (256 + 164 = 420)

**SPOT - With this function you can adjust the LED optimization via the control board. The shutter opens and the LED can be adjusted. In this mode, the device will not react to any control signal.**

1. Access the main menu.
2. Tap the UP button until “SPEC” is displayed, press ENTER.

3. Tap the UP button until “SPOT” is displayed, press ENTER.
4. The display will show “ON/OFF”.
5. Press the UP button to select “ON” to activate this function, or “OFF” to deactivate this function.
6. Press ENTER to confirm.
7. Press MODE/ESC to return to the main menu.

**DFSE - With this function you can restore the factory settings of the device. All settings will be set back to the default values. Any edited scenes will be lost. When restoring the factory settings the unit must be set to the address that the unit was in when you started editing.**

1. Access the main menu.
2. Tap the UP button until “SPEC” is displayed, press ENTER.
3. Tap the UP button until “DFSE” is displayed, press ENTER.
4. The display will show “ON/OFF”.
5. Press the UP button to display “ON” to activate this function, or “OFF” to deactivate this function.
6. Press ENTER to confirm.
7. Press MODE/ESC to return to the main menu.

***When you exit this function, the unit will begin to reload data.***

**FANS - With this function you can choose between the fan settings of Low, High or Auto. The default setting is Auto.**

1. Access the main menu by pressing MODE/ESC button.
2. Tap the UP button until “FANS” is displayed, press ENTER.
3. Press the UP or DOWN buttons to select either “LOW”, “HIGH”,

or “AUTO”.

4. Press ENTER to confirm your selection.
5. Press MODE/ESC to return to the main menu.

**HIBE** - With this function you can make the unit automatically shut down the LED and stepping motors. The default setting for this is 15 mins. After 15 mins if the unit is not receiving a DMX signal, the unit will automatically shut down the LED and motors. This feature lengthens the life of the LED and motors. The shut down time can be adjusted between OFF (no shut down) or 1 - 99 minutes. Once the LED and motors are shut down, it will reset itself when it receives a DMX signal. When the function is set to OFF, the LED and motors will not shut down until power is cut.

1. Access the main menu by pressing MODE/ESC button.
2. Tap the UP button until “HIBE” is displayed, press ENTER.
3. Press the UP or DOWN buttons to adjust the shut down time.
4. Press ENTER to confirm your selection.
5. Press MODE/ESC to return to the main menu.

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

1. Access the main menu.
2. Tap the UP button until “SPEC” is displayed, press ENTER.
3. Tap the UP button until “VER” is displayed, press ENTER.
4. The display will show “V-X.X”, “X.X” stands for the version number, such as the display may show “V-1.0”, “V-9.9” etc.
5. Press the MODE/ESC button to exit.

**ADJU** - Use this function is used to make sure all motors are aligned and to adjust any motors that are not.

1. Access the main menu.
2. Tap the UP button until “SPEC” is displayed, press ENTER.
3. Tap the UP button until “ADJU” is displayed, press ENTER.
4. Tap the UP button until “CODE” is displayed, press ENTER.
5. The display will show “CXXX”, were as “XXX” represents the calibration password. The calibration password is “C050.” Use the UP or DOWN buttons to enter the proper password.
6. Once the proper password is entered the display will read “CHXX”, were as “XX” represents the fixture channel number.
7. Select the desired channel to be calibrated by pressing the UP or DOWN buttons and then ENTER to confirm.
8. The display will then read “XXXX”, were “XXXX” stands for the calibrate values.
9. Adjust the desired calibration value between -128 and 127 by pressing the UP and DOWN. As you scroll up and down through the calibration values you will notice slight changes in the wheel or motor you are attempting to calibrate.
10. Once you reach your desired calibration press ENTER to confirm and lock in your calibration.
11. Once you are completely finished press MODE/ESC to return to the main menu.

**EDIT** - This menu item allows you to write a program into the memory (EEPROM) via the control panel or via the external controller. *Please see pages 33-35 for detailed instructions.*

### **SEPR (IP01-IP07) - With this function you can edit any of the internal programs (IP01-IP07).**

1. Access the main menu.
2. Tap the UP button until “EDIT” is displayed, press ENTER.
3. Tap the UP button until “SEPR” is displayed, press ENTER.
4. The display will show “IPXX”. “XX” representing 01-07. Tap the UP or DOWN buttons to find your desired program to edit. Press ENTER to edit the chosen program.
5. Press ENTER to save and press MODE/ESC to exit.

### **STEP (S-01 - S-48) - With this function you can program the number of steps in your individual Program.**

1. Access the main menu.
2. Tap the UP button until “EDIT” is displayed, press ENTER.
3. Tap the UP button until “STEP” is displayed, press ENTER.
4. The display shows “S-01”, this stands for the first step of your program. You can call up to 48 scenes in “Run”. For example, if “S-05” is displayed, it means that “Run” will run the first 5 scenes you saved in “Edit”.
5. Press ENTER to save and press MODE/ESC to exit.

### **SCXX (SC01 - SC48) - With this function you can choose the number of scenes in your Program.**

1. Access the main menu.
2. Tap the UP button until “EDIT” is displayed, press ENTER.
3. Tap the UP button until “SC01” is displayed.

4. The display shows “SC01”, this stands for the first scene of your program. You can call up to 48 scenes. For example, if “SC05”, it means that “Run” will run the first 5 scenes you saved in “Edit”.

5. Press ENTER to save and press MODE/ESC to exit.

### **REC - With this function you can record the scenes automatically for the external controller.**

1. Access the main menu.
2. Tap the UP button until “EDIT” is displayed, press ENTER.
3. Tap the UP button until “REC” is displayed.
4. The display shows “RE.XX”, “XX” stands for the scene number in the internal memory of where your scenes from the controller will be stored.
5. Press the UP or DOWN button to select your desired scene number.
6. Press ENTER to confirm, and the fixture will record the scenes from the external controller.
7. Press MODE/ESC to return to the main menu.

### **RUN With the function “RUN”, you can run your pre-made program. You can set the number of steps under Step (S-01 - S-48).**

1. Access the main menu.
2. Tap the UP button until “EDIT” is displayed, press ENTER.
3. Tap the UP button until “RUN” is displayed, press ENTER.
4. Press either UP or DOWN, to select “ON” or “OFF”. To run your program select “On” and press ENTER to confirm.
5. Press MODE/ESC to return to the main menu.

***Editing procedure 1: Using the control board only.***

1. Access the main menu.
2. Tap the UP button until “EDIT” is displayed. Press ENTER.
3. The display will show “SCXX”, the “X” again stands for the scene number. For example, “SC01” is displayed, it means you will be editing scene 1, press ENTER. You can change the scene number by pressing the UP button.
4. Press ENTER, the display will show “C-X”, the “X” again stands for the channel number. If “C-01” is displayed, you will be editing channel 1 of your selected scene, press ENTER. You can change the channel number by pressing the UP button.
5. The display will show the DMX value for the channel that is being edited. It will be displayed as “11XX”, it stands for Channel 11 of the editing scene, the DMX value is “XX”.
6. Adjust the DMX value by pressing the UP button, until you get the expected effect for this channel.
7. Press ENTER to enter the editing of the other channels of the scene.
8. Repeat steps 5-8, until you finish setting all the DMX values for all the channels of this scene, each scene can have 15 channels maximum.
9. Once all the channels are completed, the display will flash “TIME”, this stands for the time needed to run this scene.
10. Press ENTER to edit the time needed, the display shows “TXXX”, “X” stands for the time needed to run this scene. For example, “T002” means scene 1 needs 0.4 seconds to run, “T015” means scene 1 needs 3 seconds to run.
11. Adjust the time needed by pressing the UP button.
12. Press ENTER to save the settings for the scene you are

editing, the display will change to the next scene automatically.

13. Repeat steps 3-12 to edit other scenes, you can edit and save 48 scenes maximum.
14. Press MODE/ESC to exit, now you have edited and saved scenes using the control board. The number of steps can be defined under “Step” and the scenes can be called up under “Run”. To run the scenes see page 32.

***Editing procedure 2: Using an external controller (Manually record scenes one by one):***

1. Access the main menu.
2. Select “EDIT” by pressing the UP or DOWN buttons, press ENTER.
3. The display shows “SC01”.
4. Press ENTER, and the display shows “C-01”.
5. Select “CEDT” by pressing the DOWN button, and press ENTER.
6. The display “OFF”, press the UP button so that “ON” is displayed, and press ENTER.
7. The display will show “SCO2”. You have now successfully downloaded the first scene.
8. Adjust the Step-time needed by pressing the UP button.
9. Call up the second scene in your controller now.
10. Repeat steps 7-9 until all desired scenes are downloaded.
11. Press MODE/ESC to exit. The number of steps can be defined under “Step” and the scenes can be called up under “Run”.

***Editing procedure 3: Record the selected scenes automatically from external controller:***

1. Access the main menu.
2. Select "EDIT" by pressing the UP or DOWN buttons, press ENTER.
3. Press the UP button until the display shows "STEP", press ENTER.
4. Now adjust and set the number of steps by pressing the UP or DOWN buttons. Press ENTER to confirm the number of steps, and "PASS" will display briefly.
5. Now press the DOWN button until "REC" is displayed, and press ENTER.
6. The display will now show "RE.XX", "XX" stands for the scene number in the internal memory which the scenes from the controller will be stored to. Press ENTER when you have chosen the scene number.
7. Call up the scenes on the controller, and the fixture will record the scenes from the controller automatically. After the number of scenes as selected in the "STEP" menu are loaded into the fixture, it will stop the procedure and return to the previous menu.
8. Press MODE/ESC to exit the "EDIT" menu and return to the main menu.

When power is applied, the unit will automatically enter a "reset/test" mode. This mode brings all the internal motors to a home position. If there is an internal problem with one or more of the motors an error code will flash in the display in the form of "XXEr", "XX" will represent a function number. For example, when the display shows "03Er," it means there is some type of error with the channel 3 motor. If there are multiple errors during the start-up process they will all flash in the display. For example: if the fixtures has errors on channel 1 and channel 3 all at the same time, you will see the error message flash "01Er", and "03Er repeated 5 times.

If an error does occur during the initial start-up procedure the fixture will self-generate a second reset signal and try to realign all the motors and correct the errors, if the errors persist after a second attempt a third attempt will be made.

If after a third attempt all the errors have not been corrected the fixture will make the following determinations:

- 1) 3 or more errors - The fixture cannot function properly with three or more errors therefore the fixture will place itself in a stand-by mode until subsequent repairs can be made.
- 2) Less than 3 errors - If the fixture has less than 3 errors, therefore most other functions will work properly. The fixture will attempt to operate normally until the errors can be corrected by a technician. The errors in question will remain flashing in the display as a reminder of internal errors.

05Er – COLOR WHEEL error:

This message will appear after a fixture reset, if the head's magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a stepper motor failure (defective motor or a defective motor IC drive on the main PCB).

06Er – ROTATING GOBOS error:

This message will appear after a fixture reset, if the magnetic-indexing circuit malfunctions (sensor failed or magnet is miss-

ing) or there is a stepper motor failure (defective motor or a defective motor IC drive on the main PCB).

07Er – GOBO ROTATING error:

This message will appear after a fixture reset, if the magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a stepper motor failure (defective motor or a defective motor IC drive on the main PCB).

08Er – PRISM error:

This message will appear after a fixture reset, if the magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a stepper motor failure (defective motor or a defective motor IC drive on the main PCB).

10Er – FOCUS error:

This message will appear after a fixture reset, if the magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or there is a stepper motor failure (defective motor or a defective motor IC drive on the main PCB).

**Operating Modes:** *The Vizi Scan LED PRO can operate in three different modes. This next section will detail the differences in the operating modes.*

- **Sound Active mode -**

The unit will react to sound, chasing through the built-in programs.

- **Auto mode -**

The unit will run the internal program without the need of sound.

- **DMX control mode -**

This function will allow you to control each individual fixtures traits with a standard DMX-512 controller such as the Elation® Show Designer.™

**Universal DMX Control:** This function allows you to use a universal DMX-512 controller such as the Elation® DMX Operator™ or Elation® Show Designer™ to control mirror movement, the color wheel, gobo wheel, prism, pan/tilt speed, shutter (strobe), and much more. A DMX controller allows you to create unique programs tailored to your individual needs.

1. The Vizi Scan LED PRO has a 12 channel DMX mode and 14 channel DMX mode. To select your desired DMX mode please see page 24 “FINE” menu See pages 40-47 for detailed description of the DMX traits.
2. To control your fixture in DMX mode, follow the set-up procedures on pages 12-14 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 instruction on page 19 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.

**Stand-Alone Operation (Sound Active or Auto Program):** This mode allows a single unit to either run to the beat of the music or run the Auto Program.

1. Access the main menu.
2. Tap the UP button until “PLAY” is displayed, and Press ENTER.

3. Tap the UP button to choose between “RUN” or “AUDI”. “RUN” will make the units run through a built-in program. “AUDI” will make the units sound active.
4. Press UP, to select “ALON” or “NAST”. Which means stand alone, or master mode. Select “ALON” to run the unit as a stand-alone, press ENTER.
5. Press MODE/ESC to return to the main menu
6. You may invert the pan and tilt functions by in the system menu by following the directions on page 23.

### Master-Slave Operation (Sound Active or Auto Program):

This function will allow you to link up to 16 units together and operate without a controller. The units can run a built-in program or run in sound active mode. 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 standard 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. 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. Access the main menu.
3. Tap the UP button until “PLAY” is displayed, and Press ENTER.
4. Tap the UP button to choose between “RUN” or “AUDI”. “RUN” will make the units run through a built-in program. “AUDI” will make the units sound active.
5. Press UP, to select “ALON” or “NSTR”. Which means stand alone, or master mode.
6. Select “NAST” to designate the unit as the master and press ENTER to confirm. The Slave units do not need to be set, just connect to the Master and they will begin to follow.
7. Press MODE/ESC if you want to return to the main menu.
8. You may change the show or invert the pan and tilt functions in the system menu by following the directions on page 23.

Channel	Value	Function
1	0 - 255	PAN MOVEMENT 8bit
2	0 - 255	PAN FINE 16bit
3	0 - 255	TILT MOVEMENT 8bit
4	0 - 255	TILT FINE 16bit
5	0 - 14 15 - 29 30 - 44 45 - 59 60 - 74 75 - 89 90 - 104 105 - 119 120 - 127 128 - 189  190 - 193 194 - 255	<u>COLORWHEEL</u> OPEN COLOR 1 COLOR 2 COLOR 3 COLOR 4 COLOR 5 COLOR 6 COLOR 7 COLOR 8 FORWARD RAINBOW EFFECT FAST - SLOW NO ROTATION BACKWARDS RAINBOW EFFECT SLOW - FAST
6	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 59 60 - 69 70 - 79 80 - 95 96 - 111 112 - 127 128 - 143 144 - 159	<u>GOBOS</u> OPEN ROTATING GOBO 1 ROTATING GOBO 2 ROTATING GOBO 3 ROTATING GOBO 4 ROTATING GOBO 5 ROTATING GOBO 6 ROTATING GOBO 7 ROTATING GOBO 1 SHAKE ROTATING GOBO 2 SHAKE ROTATING GOBO 3 SHAKE ROTATING GOBO 4 SHAKE ROTATING GOBO 5 SHAKE

Channel	Value	Function
6	160 - 175	<u>GOBOS CONT.</u> ROTATING GOBO 6 SHAKE
	176 - 191	ROTATING GOBO 7 SHAKE
	192 - 255	CONTINUOUS ROTATION OF GOBO WHEEL SLOW - FAST
7	0 - 127	<u>GOBO INDEXING &amp; ROTATION</u> GOBO INDEXING
	128 - 189	FORWARDS GOBO ROTATION FAST - SLOW
	190 - 193	NO ROTATION
	194 - 255	BACKWARDS GOBO ROTATION SLOW - FAST
8	0 - 31	<u>ROTATING PRISM/GOBO MACROS</u> OPEN
	32 - 63	3 FACET PRISM
	64 - 95	TRAPEZOID PRISM
	96 - 127	FROST
	128 - 135	MACRO 1
	136 - 143	MACRO 2
	144 - 151	MACRO 3
	152 - 159	MACRO 4
	160 - 167	MACRO 5
	168 - 175	MACRO 6
	176 - 183	MACRO 7
	184 - 191	MACRO 8
	192 - 199	MACRO 9
	200 - 207	MACRO 10
	208 - 215	MACRO 11
	216 - 223	MACRO 12
	224 - 231	MACRO 13
232 - 239	MACRO 14	
240 - 247	MACRO 15	
248 - 255	MACRO 16	

Channel	Value	Function
9	0 - 127	<u>PRISM ROTATION &amp; INDEXING</u> PRISM INDEXING FORWARD
	128 - 189	PRISM ROTATION FAST - SLOW
	190 - 193	NO ROTATION BACKWARD
	194 - 255	PRISM ROTATION SLOW - FAST
10	0 - 255	<u>FOCUSING</u> CONTINUOUS ADJUSTMENT FAR - NEAR
11	0 - 31	<u>SHUTTER&amp;STROBE</u> SHUTTER CLOSED
	32 - 63	SHUTTER OPEN
	64 - 95	STROBING SLOW - FAST
	96 - 127	SHUTTER OPEN
	128 - 159	PULSE EFFECT IN SEQUENCES
	160 - 191	SHUTTER OPEN
	192 - 223	RANDOM STROBE SLOW - FAST
	224 - 255	SHUTTER OPEN
12	0 - 255	<u>DIMMER</u> INTENSITY 0% - 100%
13	0 - 225	<u>PAN/TILTMOVEMENTSPEED</u> MAX TO MIN. SPEED
	226 - 235	BLACKOUT BY MOVEMENT
	236 - 245	BLACKOUT BY WHEEL CHANGING
	246 - 255	NO FUNCTION
14	0 - 19	<u>RESET&amp;INTERNALPROGRAMS</u> COLOR & GOBO CHANGE NORMAL
	20 - 29	COLOR CHANGE TO ANY POSITION
	30 - 39	COLOR & GOBO CHANGE TO ANY POSITION
	40 - 79	NO FUNCTION
	80 - 84	ALL MOTOR RESET
	85 - 87	SCAN MOTOR RESET

Channel	Value	Function
14		<u>RESET &amp; INTERNAL PROGRAMS</u>
	88 - 90	COLOR MOTOR RESET
	91 - 93	GOBO MOTOR RESET
	94 - 96	NO FUNCTION
	97 - 99	OTHER MOTOR RESET
	100 - 119	INTERNAL PROGRAM 1
	120 - 139	INTERNAL PROGRAM 2
	140 - 159	INTERNAL PROGRAM 3
	160 - 179	INTERNAL PROGRAM 4
	180 - 199	INTERNAL PROGRAM 5
	200 - 219	INTERNAL PROGRAM 6
	220 - 239	INTERNAL PROGRAM 7
	240 - 255	SOUND ACTIVE PROGRAM

Channel	Value	Function
1	0 - 255	PAN MOVEMENT 8bit
2	0 - 255	TILT MOVEMENT 8bit
3		<u>COLORWHEEL</u>
	0 - 14	OPEN COLOR 1
	15 - 29	COLOR 2
	30 - 44	COLOR 3
	45 - 59	COLOR 4
	60 - 74	COLOR 5
	75 - 89	COLOR 6
	90 - 104	COLOR 7
	105 - 119	COLOR 8
	120 - 127	FORWARD RAINBOW EFFECT
	128 - 189	FAST - SLOW
	190 - 193	NO ROTATION BACKWARDS
	194 - 255	RAINBOW EFFECT SLOW - FAST
4		<u>GOBOS</u>
	0 - 9	OPEN
	10 - 19	ROTATING GOBO 1
	20 - 29	ROTATING GOBO 2
	30 - 39	ROTATING GOBO 3
	40 - 49	ROTATING GOBO 4
	50 - 59	ROTATING GOBO 5
	60 - 69	ROTATING GOBO 6
	70 - 79	ROTATING GOBO 7
	80 - 95	ROTATING GOBO 1 SHAKE
	96 - 111	ROTATING GOBO 2 SHAKE
	112 - 127	ROTATING GOBO 3 SHAKE
	128 - 143	ROTATING GOBO 4 SHAKE
	144 - 159	ROTATING GOBO 5 SHAKE
	160 - 175	ROTATING GOBO 6 SHAKE
176 - 191	ROTATING GOBO 7 SHAKE	

Channel	Value	Function
4	192 - 255	<u>GOBOS CONT.</u> CONTINUOUS ROTATION OF GOBO WHEEL SLOW - FAST
5	0 - 127 128 - 189 190 - 193 194 - 255	<u>GOBOINDEXING&amp;ROTATION</u> GOBO INDEXING FORWARDS GOBO ROTATION FAST - SLOW NO ROTATION BACKWARDS GOBO ROTATION SLOW - FAST
6	0 - 31 32 - 63 64 - 95 96 - 127 128 - 135 136 - 143 144 - 151 152 - 159 160 - 167 168 - 175 176 - 183 184 - 191 192 - 199 200 - 207 208 - 215 216 - 223 224 - 231 232 - 239 240 - 247 248 - 255	<u>ROTATINGPRISM/GOBO MACROS</u> OPEN 3 FACET PRISM TRAPEZOID PRISM FROST MACRO 1 MACRO 2 MACRO 3 MACRO 4 MACRO 5 MACRO 6 MACRO 7 MACRO 8 MACRO 9 MACRO 10 MACRO 11 MACRO 12 MACRO 13 MACRO 14 MACRO 15 MACRO 16

Channel	Value	Function
7	0 - 127 128 - 189 190 - 193 194 - 255	<u>PRISMROTATION&amp;INDEXING</u> PRISM INDEXING FORWARD PRISM ROTATION FAST - SLOW NO ROTATION BACKWARD PRISM ROTATION SLOW - FAST
8	0 - 255	<u>FOCUSING CONTINUOUS</u> ADJUSTMENT FAR - NEAR
9	0 - 31 32 - 63 64 - 95 96 - 127 128 - 159 160 - 191 192 - 223 224 - 255	<u>SHUTTER&amp;STROBE</u> SHUTTER CLOSED SHUTTER OPEN STROBING SLOW - FAST SHUTTER OPEN PULSE EFFECT IN SEQUENCES SHUTTER OPEN RANDOM STROBE SLOW - FAST SHUTTER OPEN
10	0 - 255	<u>DIMMER</u> INTENSITY 0% - 100%
11	0 - 225 226 - 235 236 - 245 246 - 255	<u>PAN/TILTMOVEMENTSPEED</u> MAX TO MIN. SPEED BLACKOUT BY MOVEMENT BLACKOUT BY WHEEL CHANGING NO FUNCTION
12	0 - 19 20 - 29 30 - 39 40 - 79 80 - 84 85 - 87	<u>RESET&amp;INTERNALPROGRAMS</u> COLOR & GOBO CHANGE NORMAL COLOR CHANGE TO ANY POSITION COLOR & GOBO CHANGE TO ANY POSITION NO FUNCTION ALL MOTOR RESET SCAN MOTOR RESET

Channel	Value	Function
12		RESET & INTERNAL PROGRAMS
	88 - 90	COLOR MOTOR RESET GOBO
	91 - 93	MOTOR RESET
	94 - 96	NO FUNCTION
	97 - 99	OTHER MOTOR RESET
	100 - 119	INTERNAL PROGRAM 1
	120 - 139	INTERNAL PROGRAM 2
	140 - 159	INTERNAL PROGRAM 3
	160 - 179	INTERNAL PROGRAM 4
	180 - 199	INTERNAL PROGRAM 5
	200 - 219	INTERNAL PROGRAM 6
220 - 239	INTERNAL PROGRAM 7	
	240 - 255	SOUND ACTIVE PROGRAM
<b>Vizi Scan LED PRO</b>		<b>Fuse Replacement</b>

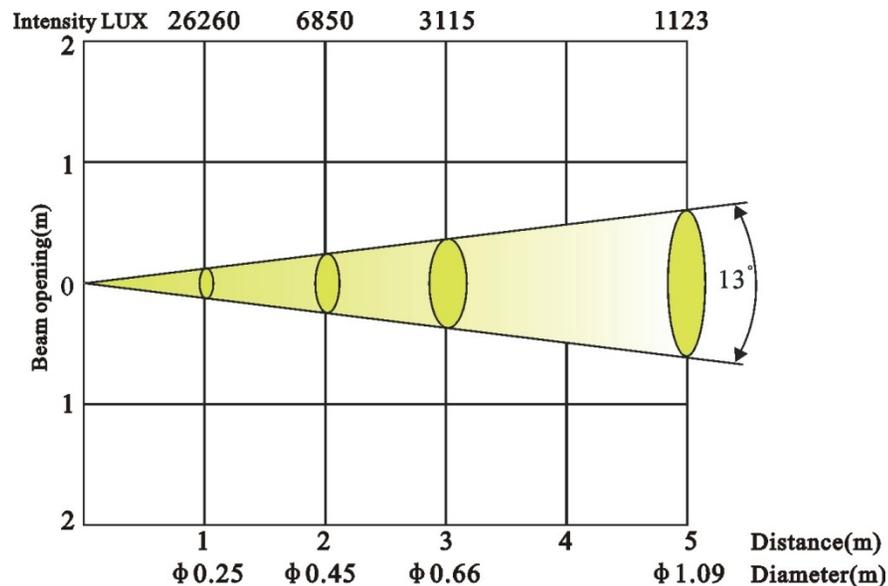
**Caution:** Always replace with the exact same type of fuse, unless otherwise specified by an authorized American DJ® service technician. Replacing with anything other than the specified part can damage your unit and will void your manufactures warranty.

**Warning:** If you continue to blow fuses, 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.

**Fuse Replacement:** First unplug the power. The fuse holder is located next to the power cord. Using a flat-head screw driver unscrew the fuse holder. Remove the bad fuse and replace with a new one. se.

This unit comes with interchangeable gobos. Changing the gobos is a easy procedure. Follow the instructions below.  
**Caution!** Never open the unit when in use. Always disconnect the main power before attempting to change the gobos.

1. To change the gobo, you must remove the top half of the units body. The top half of the body has the LCD display on it
2. Unscrew the four phillips screws on the front of the body. Remove the top half shell of the body.
3. When you remove the shell you will be able to access the gobo wheel. Turn the wheel with your hand until you come across the gobo you would like to change.
4. You have to remove the individual gobo set-up. Gently push the gobo frame (Not the wheel) away from the gobo wheel, you do not have to push gobo frame to far. While you are pushing the gobo frame away from the wheel, pull the gobo frame up and out. This process is simplified using a small flathead screwdriver.
5. Once the gobo frame has been removed, remove the fixture-ring and gobo. The fixture ring can be removed by using a small flathead screwdriver. The fixture ring should easily come out of the frame. After the fixture ring is removed, re move the gobo.
6. Change the gobo, replace the fixture ring. When inserting the gobo frame back into the unit, the bottom of the gobo frame must slide underneath the metal place holder located at the bottom of the gobo wheel.
7. Reassemble the unit.



**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.

**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 bottom 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.
2. Check the Mic setting. It may be set to a lower sensitivity setting. See page 24.

## Vizi Scan LED PRO

## Warranty

### MANUFACTURER'S LIMITED WARRANTY

A. American DJ, Inc. hereby warrants, to the original purchaser, American DJ and American Audio 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. Contact American DJ, Inc. Service Department at 800-322-6337. Send the product only to the American DJ, Inc. 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, Inc. 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, Inc. 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, Inc. concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the American DJ, Inc. factory unless prior written authorization was issued to purchaser by American DJ, Inc.; 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, Inc. 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 American DJ, Inc. 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, Inc. 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 American DJ, Inc. 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, Inc. 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 American DJ and American Audio Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

### MANUFACTURER'S LIMITED WARRANTY PERIODS:

- All American Audio Products = 1-year (365 day) Limited Warranty (except V-Plus Series Amplifiers)
- All American Audio V-Plus Series Amplifiers = 3-year (1095 day) Limited Warranty
- American DJ Lighting and American DJ Branded Products = 1-year (365 day) 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 Laser Products, lamps, and Star Tec Series)
- American DJ Laser Products and Star Tec Products = 90-Day Limited Warranty
- American DJ L.E.D. Products = 3-year (1095 day) Limited Warranty (excluding motors which have a 1-year (365 day) Limited Warranty)

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## Vizi Scan LED PRO

## Specifications

<b>Model:</b>	<b>Vizi Scan LED PRO</b>
<b>Voltage*:</b>	100V ~ 240V/50~60Hz
<b>LED:</b>	1 x 50W
<b>Dimensions:</b>	11.7"(L) x 11.9"(W) x 22.2"(H) 297.2mm x 301.2mm x 563mm
<b>Colors:</b>	8 Plus White
<b>Gobos:</b>	7 Rotating + Spot - All Replaceable 27mm Outside/ 22mm Viewable Glass Gobo Thickness 3.0mm Metal Gobo Thickness 0.2mm
<b>Weight:</b>	17 Lbs. / 7.5 kgs.
<b>Fuse:</b>	4A
<b>Duty Cycle:</b>	None
<b>DMX:</b>	2 DMX Channel Modes: 12 & 14 DMX Channel Modes
<b>Sound Active:</b>	Yes
<b>Working Position:</b>	Any Safe, Secure Position
<b>Warranty:</b>	3 Year (1095 day)

**\*Auto Sensing Voltage:** *This fixture contains a electronic ballast, 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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American DJ World Headquarters:

6122 S. Eastern Ave. Los Angeles, CA 90040 USA

Tel: 323-582-2650 / Fax: 323-582-2610

Web: [www.americandj.com](http://www.americandj.com) / E-mail: [info@americandj.com](mailto:info@americandj.com)

American DJ Europe

Junostraat 2

6468 EW Kerkrade

Netherlands

[service@americandj.eu](mailto:service@americandj.eu) / [www.americandj.eu](http://www.americandj.eu)

Tel: +31 45 546 85 00 / Fax: +31 45 546 85 99