MEGALITE

STINGER SCAN-150

USER MANUAL

Table of Contents

# Check that the unit has not been damaged during transport

⚠

Read all cautions and warnings prior to operation of this equipment

### Protection Against Fire

| Fire |

1. Maintain a minimum of 1 foot distance from any type of flame.
2. For indoor use only do not expose unit to rain or moisture.
3. Replace fuse only with the specified type and rating.
4. Do not install the unit too close to a heat source.
5. Make sure cables are properly secured
6. Maximum surface operating temperature 130º.

Protection Against Electrical Fire

| Electrical |
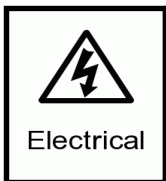
1. Disconnect power before servicing.
2. For connection to main power supply proceed to page 5.
3. This unit must be earthed. (electronically grounded)
4. This fixture must not be left on for long periods of time.

Protection Against Mechanical Hazards

| Mechanical |
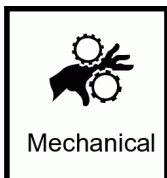
1. Use secondary safety chain when hanging unit.
2. Use quality clamps or bolts when positioning unit
3. Do not open unit while it is on, risk of electrical shock.

What is Included

1pc Stinger Scan 150 Fixture
1pc Power Con (type) to Nema 5-15 Cable
1pc Safety Eye-bolt
1pc User Manual

Technical Information

Part Numbers

Fixture	Road Case
1205-Stinger Scan 150	CAS-1205-4 4 Unit Road Case

Mechanical Specifications

Pan Angle:	180°
Tilt Angle:	40°
DMX Connectors:	Panel Mounted 5pin XLR connectors in/out (3 pin Optional)
Power Connections:	Panel Mounted Power Con (Type) Power in/out connection. (Nema 5-15 to Power Con (Type) cable included)
Thermal:	Maximum ambient temperature 104°f Maximum surface temperature 140°f
Display:	Digital
Fastening System:	Mounting Yoke
Lens Angle:	15º
Colors:	8 Colors + Open
Rotating Gobos:	7 Removable, Bi Directional,
Prism:	Indexing 4 Facet, Rotatable,
Focus:	Indexing Mechanical Focus

Electrical Specifications

LED Type:	150W Single Color
Power Input:	Universal 100 - 240V 50/60 Hz
Ballast:	Electronic
Power Consumption:	
	Watts: 272W **Amps:** 2.3A
Cooling:	Fan Cooling
Fuse:	F5A 250V

Control & Programming

Protocol:	DMX 512
RDM:	Yes
DMX Channels:	2 Mode of Operation
	Mode: 8 Ch: Pan, Tilt, Pan and Tilt Speed, Dimmer, Strobe, Focus, Macro, Control
	Mode: 15 Ch: Pan, Pan Fine**,** Tilt, Tilt Fine, Pan and Tilt Speed, Dimmer, Strobe, Color, Gobo, Gobo Rotation, Focus, Prism, Prism Rotation, Macro, Control
Operating Mode:	Stand alone 255 step dimmer setting via display Recall Auto Programs

Main Power Connection

The occupation of the connection-cable is as follows:

This fixture is equipped with an electronic power supply that will let the unit operate from 100V to 240V from 50Hz to 60Hz

| Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground	⏚	⏚

DMX-512 Connection

The fixture is equipped with 5 pin XLR cable mounted sockets for DMX input and output. The sockets are wired in paral-lel. Only use a shielded twisted pair cable designed for RS-485 5 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.
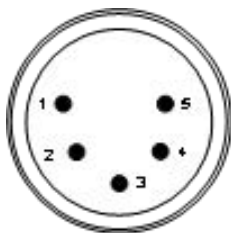
DMX—Input   **DMX—Output**
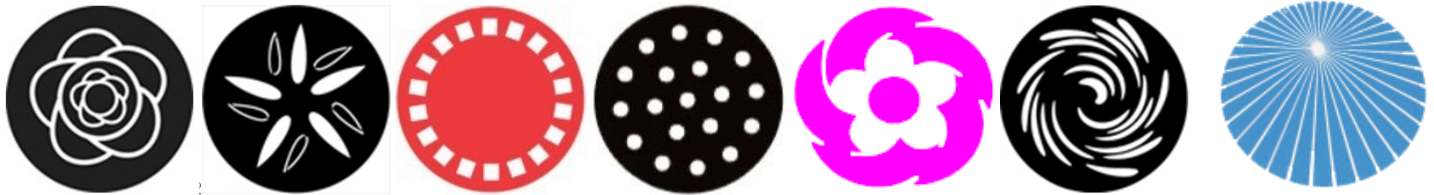

1. Shield
2. Signal (-)
3. Signal (+)
4. N/A
5. N/A
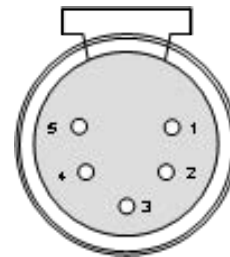
Gobos

Gobo	
Image Size	17 mm
Diameter Size	19.8 mm
Max Thickness	1.0 mm

Gobos may be removed by removing the display front cover. And slightly lifting the gobo tray off the gobo holder. The gobo spring holder will need to be removed and a new gobo can be installed.

Colors

| 1 Red | 2 Blue | 3 Lavender | 4 Magenta | 5 Yellow | 6 Orange | 7 Neon Green | 8 Light Blue |

Size and Weight

9.8"

8.7"

10.5"

6.5"

18.5"

STINGER SCAN 150

MEGA LITE
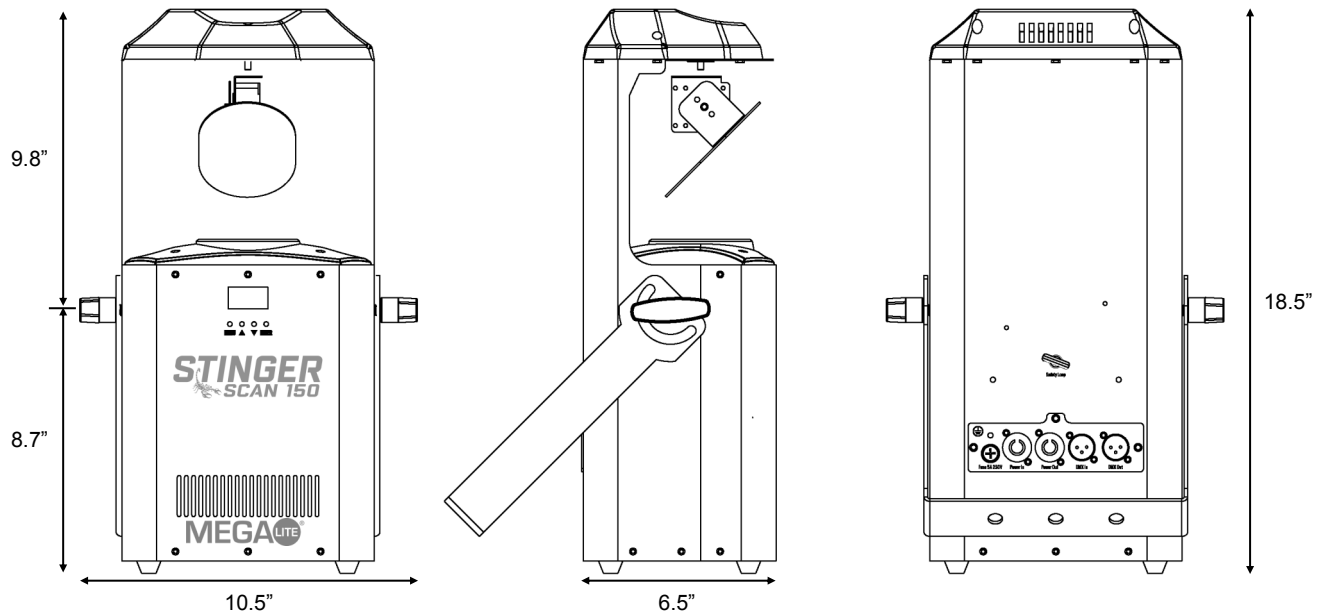
Size	10.5" X 6.5" X 18.5"
Weight	16.5lb
Packaged	23.25" X 12" X 10" 20lb

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Main Control

The control board on the fixture base is your interface to access and control all the functions on the unit. Its LCD display gives you a code view of the options and functions. The following will explain each function and its options. Press Enter to Enter Main Menu

MEGA LITE

001

DMX 15Ch TxxC

Menu Down Up Enter
●   ●   ●   ●

System Settings	
DMX Address	■
Channel Mode	
Running Mode	
Programs	
Manual	
Settings	
Systems Info	

DMX Address

DMX Address

001

Address: A Use the up and down button to set the fixtures start channel. Fixture will need to match the DMX Controllers Strat Channel. (0-512)

System Settings	
DMX Address	
Channel Mode	■
Running Mode	
Programs	
Manual	
Settings	
Systems Info	

Channel Mode

DMX Channel

DMX 8 CH   ■
DMX 15 CH

Channel Mode: Use the up and down button to set the fixtures operating mode. Select from 8 or 15 Channel mode operation. Confirm with the DMX Controller you are using matching operational mode

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System Settings	
DMX Address	
Channel Mode	
Running Mode	■
Programs	
Manual	
Settings	
Systems Info	

Running Mode

Running Mode

DMX   ■
Auto
Sound
Manual

DMX: This selection will operate the fixture on DMX Mode

Auto: When the fixture is in Auto mode the fixture will run on the reset auto program set via display in the Auto Programs Display setting.

Sound: Fixture will run preset function and will be triggered via internal Micro phone.

Manual: When the fixture is in Manual mode the fixture will run the manually selected function that is set on the Manual Display Setting

Test: Fixture will run test program to ensure all function are operating correctly

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System Settings	
DMX Address	
Channel Mode	
Running Mode	
Programs	■
Manual	
Settings	
Systems Info	

Programs

Programs

Program 1   ■
-
-
Program 9

Programs: This function allows user to run built in programs. Please select from 1 to 9

Manual

System Settings
DMX Address
Channel Mode
Running Mode
Programs
Manual
Settings ■
Systems Info

Manual	
Pan	000
Pan Fine	000
Tilt	000
Tilt Fine	000
P/T Speed	000
Dim	000

Manual: Allows user to access the fixtures functions via display. Each function will have 0-255 adjustable value. Press Enter to confirm and the set position. Settings will be recalled when fixture is in Manual Running Mode .

Settings

System Settings
DMX Address
Channel Mode
Running Mode
Programs
Manual
Settings ■
Systems Info

Settings
Pan Invert
Tilt Invert
Display Invert
Backlight
Sensitivity
DMX Fail
Calibration
Factory Reset
Reset Motors

Pan Invert: Reverse the Pan direction (No-Yes)

Tilt Invert: Reverse the Tilt direction (No-Yes)

Display Invert: Reverse the direction of the display (No-Yes)

Backlight: Display turn off after a short time of no use or display to remain on (On-Off)

Sensitivity: Internal Microphone Bass sensitivity to reach to the internal programs (0-100)

DMX Fail: If DMX signal is lost when in DMX Mode the Off will turn off the fixtures channel to 0 or Hold will hold the last DMX command sent. (Off-Hold)

Calibration: Enter Pass Word (018) This function will allow you to calibrate the fixtures motor functions (this function is reserved for trained technicians)

Factory Reset: Reset fixture to original factory display settings (Yes-No)

Reset Motors: Resets all motors to original home position

System Info

System Settings
DMX Address
Channel Mode
Running Mode
Programs
Manual
Settings
Systems Info ■

System Info	
Software V	Vs
Mode	DMX
Address	001

System: Will Display fixture current status

DMX Profile

Stinger Scanner 150 DMX Profile

11 Ch Mode	15 Ch Mode	Function	Description	Value	Init
1	1	Pan	Pan 0-180°	0-255	127
	2	Pan Fine	Pan Fine	0-255	127
2	3	Tilt	Tilt 0-40°	0-255	127
	4	Tilt Fine	Tilt Fine	0-255	127
3	5	Pan Tilt Speed	Pan & Tilt Speed (fast to slow)	0-255	0
4	6	Dimmer	Dimmer (off to full)	0-255	255
5	7	Shutter / Strobe	No Function	0-3	255
			Strobe (slow to fast)	4-99	
			Pulse Strobe (slow to fast)	100-149	
			Pattern Strobe (slow to fast)	150-199	
			Random Strobe (slow to fast)	200-249	
			Open	250-255	
	8	Color	Open	0-8	0
			Open / Red	9-15	
			Red	16-22	
			Red / Blue	23-29	
			Blue	30-36	
			Blue / Lavender	37-43	
			Lavender	44-50	
			Lavender / Magenta	51-57	
			Magenta	58-64	
			Magenta / Yellow	65-71	
			Yellow	72-78	
			Yellow / Orange	79-85	
			Orange	86-92	
			Orange / Light Green	93-99	
			Light Green	100-106	
			Light Green / Light Blue	107-113	
			Light Blue	114-120	
			Light Blue / Open	121-127	
			Color Scroll Clockwise (slow to fast)	128-189	
			Stop	190-193	
			Color Scroll Counter Clockwise (fast to slow)	194-255	
	9	Gobo	Open	0-14	0
			Gobo 1	15-29	
			Gobo 2	30-44	
			Gobo 3	45-59	
			Gobo 4	60-74	
			Gobo 5	75-89	
			Gobo 6	90-104	
			Gobo 7	105-119	

	9	Gobo	Gobo 1 Shake (slow to fast)	120-129	0
			Gobo 2 Shake (slow to fast)	130-139	
			Gobo 3 Shake (slow to fast)	140-149	
			Gobo 4 Shake (slow to fast)	150-159	
			Gobo 5 Shake (slow to fast)	160-169	
			Gobo 6 Shake (slow to fast)	170-179	
			Gobo 7 Shake (slow to fast)	180-189	
			Gobo Scroll Clockwise (fast to slow)	190-221	
			Stop	222-223	
			Gobo Scroll Counter Clockwise (slow to fast)	224-255	
	10	Gobo Rotation	Gobo Index	0-127	0
			Gobo Rotation Clockwise (fast to slow)	128-188	
			Stop	189-193	
			Gobo Rotation Counter Clockwise (fast to slow)	191-255	
6	11	Focus	Focus	0-255	127
	12	Prism	Open	0-127	0
			Prism	128-255	
	13	Prism Rotation	Prism Index	0-127	0
			Prism Rotation Clockwise (slow to fast)	128-255	
7	14	Macro	No Function	0-15	0
			Macro Program 1	16-41	
			Macro Program 2	42-67	
			Macro Program 3	68-93	
			Macro Program 4	94-115	
			Macro Program 5	116-141	
			Macro Program 6	142-167	
			Macro Program 7	168-193	
			Macro Program 8	194-209	
			Macro Program 9	210-219	
			Audio Trigger	220-255	
8	15	Control	No Function	0-250	0
			All Motor Reset (Hold for 5 Seconds)	251-255	

Rigging the Fixture

Caution!
1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injures if you have doubts concerning the safety do not install.
3. Unit is to be 24inches away from flammable materials (decoration material)
4. Use high quality installation equipment to hang unit.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secured with a secondary safety attachment. The installation location of the projector has got to be built in the way that it can hold 10 times the weight for 1 hour with out any harming. Installation should be checked at least one time a year by a skilled person.

Cleaning and Maintenance

Installation M**aintenance:** The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every 2 years.

The following points have to be considered during the inspection:
1) All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.
2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).
3) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments.

Note: There is no serviceable parts inside the device. Maintenance and service operations are to be carried out by authorized dealers.

Replacing the fuse: When possible only replace the fuse with the same type and rating.

Replacing the power cable: If the power cable of this device becomes damaged, it has to be replaced by authorized dealers or trained professional only.

Should you have further questions , please contact your dealer.

Part List & Accessories

Part Number	Description
1205-PCB-DIS	DISPLAY PCB
1205-PCB-DRI-LED	LED DRIVER PCB
1205-PCB-DRI-MOT	MOTOR FUNCTIONS PCB
1205-LED	REPLACEMENT LED
1205-POW	POWER SUPPLY
1205-MIR	MIRROR ASSEMBLY WITH METAL BASE
1205-FAN	REPLACEMENT FAN
1205-MOT-PAN	PAN MOTOR
1205-MOT-TILT	TILT MOTOR
1205-BEZ-TOP	PLASTIC HOUSING TOP
1205-BEZ-LEN	PLASTIC HOUSING LENS HOLDER

Accessory

1205-ACC-YOK   Short Yoke

1205-PCB-3PI   3 Pin Connector

MEGA Systems, Inc. Warranty

MEGA SYSTEMS INC ("MSI") hereby warrants to the original purchaser/owner ("Customer"), MSI products to be free of manufacturing defects in material and workmanship, for the warranty periods as defined below from the original purchase invoice date. This warranty applies exclusively to new MSI branded and/or distributed products listed below, purchased from an MSI AUTHORIZED dealer/ reseller. This warranty is not transferable and may or may not apply to products sold and/or forwarded outside the United States. Please contact MSI for applicable regional product warranty information.

The purchase of MSI product constitutes the Customer's acceptance of all warranty terms and conditions as listed in this limited warranty statement. This warranty provides the Customer with legal rights, which may vary from state to state. Please contact MSI regarding warranty questions prior to purchasing.

Product / Series	Warranty Period	Coverage
Battery Powered LED	Six month battery, one year all other components	1, 2
Moving LED, Hazers	One year	2
Outdoor IP-Rated LED	Two years	3
House Light LED, Decorative LED, Compact LED, iCandy LED, Theatrical LED, Strobe Wash LED, Follow Spot LED, Lighting Control, Direct View LED Displays and Video Control	Three years	4

1. Battery: 183 days/six months

2. Parts and Labor: 365 days/one year

3. Parts and Labor: 730 days/two years

4. Parts and Labor: 1095 days/three years

This limited warranty excludes any defects caused by, resulting from or relating to the following:

Normal wear and tear of lamps, color media, brushes, contact rings, lamp sockets, belts and other parts prone to wear and tear.

Misuse, abuse, improper handling, accident, alteration or attempts to repair by or on behalf of the owner or any person not authorized by MSI.

Damage to the product resulting from acts of God, including, but not limited to, earthquakes, hurricanes, tornados, lightning and other natural disasters, fire, explosion, flood, riots, civil disorder or any other cause beyond the reasonable control of MSI.

Exposure to harsh or excessively corrosive environmental conditions (whether indoors or outdoors), including, but not limited to, extreme temperatures, humidity, atmospheric conditions (including salinity or pressure), radiation (UV, infrared or nuclear), shock and conditions which exceed the product's Ingress Protection ("IP") rating.

Use of the product in a manner which exceeds the applicable product specification, including, but not limited to, exposure to excessive, insufficient or other voltage conditions.

Installation or use of the product not in accordance with the technical documentation, MSI guidelines (as may be posted on its website at www.megasystemsinc.com from time to time or otherwise designated by MSI or its brands) or applicable building and electrical codes, regulations and standards.

Failure to maintain the product in accordance with the technical documentation.

Natural degradation and color shift of the LED source over the course of normal product use.

Slight deviations in the specified values of intensity and color that do not affect the functionality of the product.

Use of the product not for its intended purpose.

All warranty claims are evaluated under the terms of this limited warranty. If a product falls within the warranty period and if, upon examination by MSI it is found to have failed for a covered cause, MSI will, at its sole discretion, repair or replace the defective part or product or reimburse the purchaser a pro-rated portion of the purchase price based on the percentage of the warranty period still remaining as of the date that the returned product was received by MSI. Should a replacement part or product be discontinued or unavailable, MSI reserves the right, in its sole and absolute discretion, to substitute a comparable replacement part or product for the defective part or product. MSI warranty obligation hereunder is limited solely to the repair or replacement of or reimbursement for the particular parts or products determined by MSI to have failed for a covered cause within the warranty period. In no event shall MSI be responsible to replace or reimburse purchaser for any products or portions of a system that MSI determines has not failed for a covered cause within the warranty period, even if such other products or portions of a system are used together with products being repaired or replaced by MSI under this warranty and the repaired product differs in brightness, colors or any other attribute after the repair.

Costs of removal, shipping to MSI or its authorized representative and reinstallation are solely the responsibility of the purchaser. If MSI determines that the product is covered by this limited warranty, it will only pay for parts and labor as indicated by product type. If MSI determines that the product is not covered by this limited warranty, the purchaser will have the option of paying for the repair (if the product can be repaired) and the purchaser shall be responsible for the cost of shipping the repaired product back to the purchaser. MSI reserves the right, in its sole and absolute discretion, to decline any repair.

IN NO EVENT SHALL MEGA SYSTEMS, INC. BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, SPECIAL, INDIRECT OR PUNITIVE LOSS OR DAMAGE OF ANY KIND, INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUES, LOSS OF USE OF THE PRODUCT OR ANY OTHER GOODS OR ASSOCIATED EQUIPMENT, DAMAGE TO ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF SUBSTITUTE PRODUCTS, FACILITIES OR SERVICES, DOWN TIME COST, INSTALLATION OR LABOR COSTS, OR CLAIMS OF THE PURCHASER'S CUSTOMERS, WHETHER BASED ON WARRANTY, CONTRACT OR NEGLIGENCE, ARISING IN CONNECTION WITH THE SALE, USE OR REPAIR OF THE PRODUCT. MEGA SYSTEMS INC'S MAXIMUM LIABILITY SHALL NOT, IN ANY CASE, EXCEED THE PURCHASE PRICE OF THE PRODUCT THAT GIVES RISE TO THE CLAIM.

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Customer Support

Mega Lite has a customer support line to provide set up help and to answer any question should you encounter a problem. Please visit our website for any other related technical documents. For service related issue please contact our service dept.

Monday—Friday 9am to 6pm CST
Voice: 210-684-2600
E-mail: service@megasystemsinc.com

Manual Version

Please Visit www.mega.lighting for the most up to date manual version

Document Version	Date	Fixture Software	Notes
1.0	10/01/2022	V1.0	