

Instruction Manual

PROFESSIONAL SHOW LIGHT

Nobel Gene350 moving head

Beam+Spot+Wash



Unpacking: Thank you for purchasing Gene350 (Beam+Wash+Spot) fixture. Every unit 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 accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact the manufacturer or your dealer for further instructions. Do not return this unit to your dealer without first contacting.

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE POWERING OR INSTALLING THE FIXTURE. SAVE IT FOR FUTURE REFERENCE.

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

PLEASE consider that damages caused by manual modifications to the device are not subject to warranty.

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 the manufacturer or your dealer.

PLEASE recycle the shipping carton when ever possible.

General Instructions: To optimize the performance of this product, please read these operating instructions carefully to familiarize you with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit.

Safety Precautions

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Do not spill water or other liquids into or on to your unit.
- 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.
- Never plug this unit in to a dimmer pack.
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- Do not attempt to operate this unit, if it becomes damaged.
- This unit is intended for indoor use only; use of this product outdoors voids all warranties.
- During long periods of non-use, disconnect the unit's main power.
- Always mount this unit in safe and stable matter.
- Power-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 the point they exit from the unit.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See "Cleaning" for details.
- Heat -The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

The fixture should be serviced by qualified service personnel when:

- A. The power-supply cord or the plug has been damaged.
- B. Objects have fallen, or liquid has been spilled into the appliance.

C. The appliance has been exposed to rain or water.

- D. The appliance does not appear to operate normally or exhibits a marked change in performance.

Technical Specifications

Electrical

Power supply:.....electronic auto-ranging

Input voltage range:.....supply 100-250V, 50/60Hz

Power consumption:.....550W

Optic

Light source: YODN HRI 350W Lamp

LED life expectancy: 2200 hours

Lens: High precision optical lens

Strobe: Dual lens strobe (0.5-9times/second)

Dimmer: Smooth dimmer from 0-100%

Feature

Color: Wheel: 13 color+white

Rotating gobo wheel: 12 glass gobos+ white

Static gobo wheel: 17 fixed gobos+white

Prism :12 -facets circular rotating prism

Zoom: 2.5°-35°

Focus: Linear adjustment

Motorized

Pan/Tilt

Pan movement range: 540°

Tilt movement range: 270°

8bit/16 bit movement solution, optional

Automatic Pan/Tilt position correction

Pan movement 0°-540°at max.....

Tilt movement 0°-270°at max.....

LCD operation

Built-in demo sequences

Silent fans cooling

Strong two-phase motors

Stand-alone operation

Supported protocols: DMX512

2 DMX modes (16/24 control channels)

Connection

DMX data in/out: Locking 3-pin and 5-pin XLR

AC power input: 1.5m power cord with plug

Rigging

Mounting points: 2 pairs of 1/4-turn locks

Mounting horizontally or vertically via 2 Omega brackets

Temperatures

Maximum ambient temperature: 45°C

Maximum housing temperature: 75°C

Minimum distances

Min. distance from flammable surfaces: 3.0m

Min. distance to lighted object: 2.0m

Dimension: 386(L) x 365(W) x 589(H) mm

Weight (net): 19kg

Warranty: 1 Year

Set Up:

Power Supply: Before plugging your unit in, be sure the source voltage in your area matches the required voltage for unit, The model is Auto power supply, It is workable in 100-250V/50~60Hz. Please make sure your unit voltage matches the wall outlet voltage before attempting to operate you fixture.

Connection to the mains

For protection from electric shock, the fixture must be earthed!

Install a suitable plug on the power cord, note that the cores in the power cord are colored according to the following table. The earth has to be connected!

If you have any doubts about proper installation, consult a qualified electrician.

Core (EU)	Core (US)	Connection	Plug Terminal Marking
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	

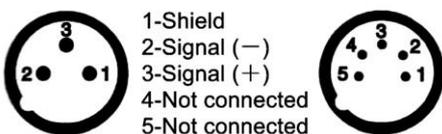
DMX512 connection

The fixture is equipped with both 3-pin and 5-pin XLR sockets for DMX input and output. The sockets are wired in parallel.

Only use a shielded twisted-pair cable designed for RS-485 and 3-or 5-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

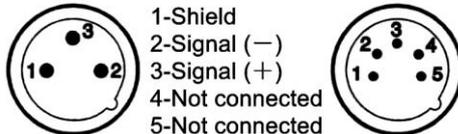
DMX-output

XLR mounting-sockets (rear view):



DMX-input

XLR mounting-plugs (rear view):



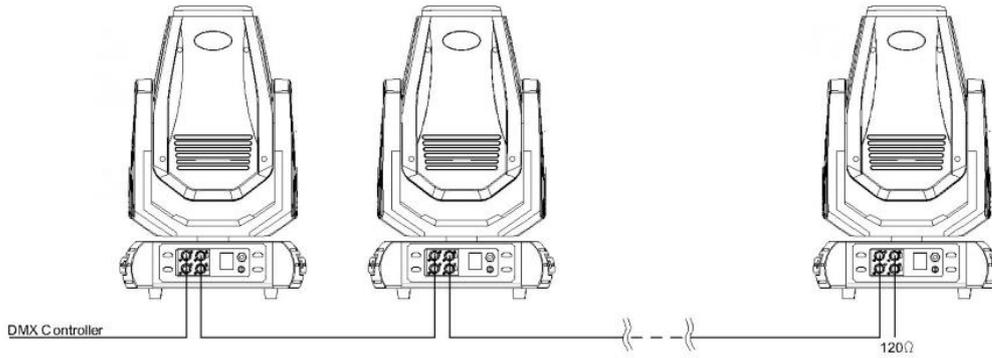
DMX Linking: To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

Building a serial DMX-chain:

Connect the DMX-output of the first fixture in the DMX-chain with the DMX-input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected.

Caution: At the last fixture, the DMX-cable has to be terminated with a terminator. Solder a 120Ω resistor between Signal (-) and

Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.



Operating Modes: You can use the fixture in 3 ways:

- Auto Mode - The unit will automatically chase through the different colors and built-in programs.
- Slave Mode – The unit will run under slave mode.
- DMX control mode - This function will allow you to control each individual fixtures traits with a standard DMX 512 controller.
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DMX Mode: Operating through a DMX controller give the user the freedom to create their own programs tailored to their own individual needs. This function also allows you to use your fixtures as spot lights.

1. This function will allow you to control each individual fixture’s traits with a standard DMX 512 controller.
2. The fixture has 16/24 two DMX channels to operate. Please see “DMX Values and Functions” for the DMX traits.
3. To run your fixture in DMX mode, plug in the fixture via the XLR connections to any standard DMX controller. Set your desired DMX address following the setup specifications that come with your DMX controller.

Hanging Drawing:

CAUTION!

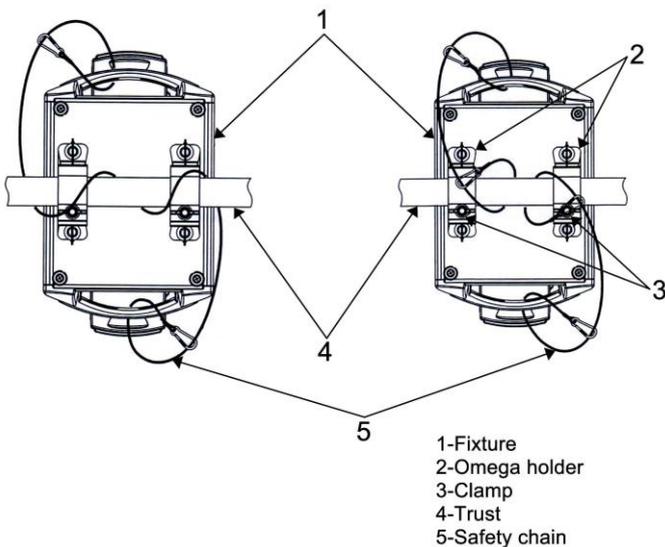
Use an appropriate clamp to ring the fixture on the truss.

Follow the instructions mentioned at the bottom of the base.

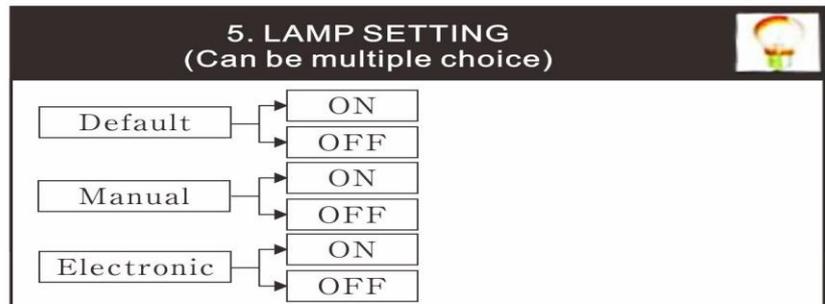
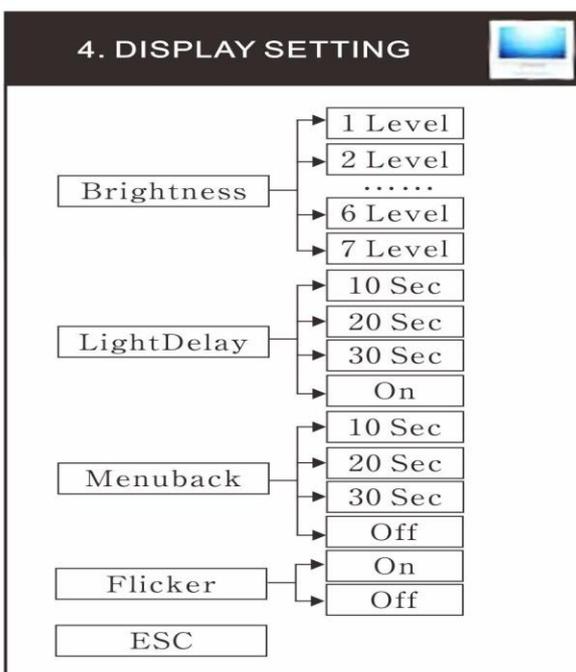
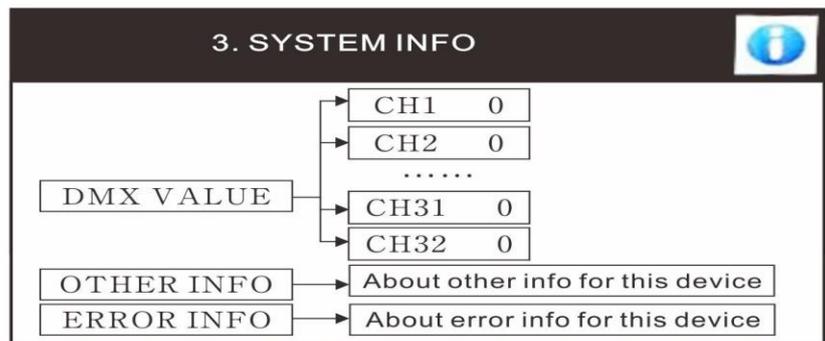
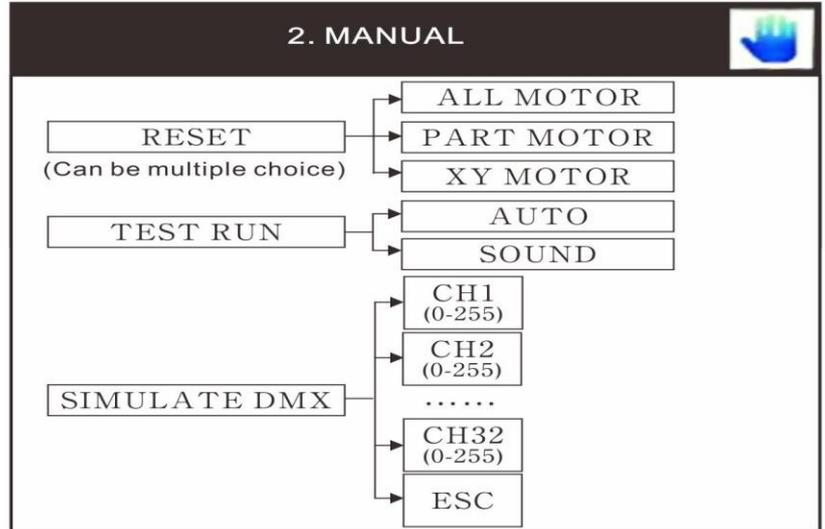
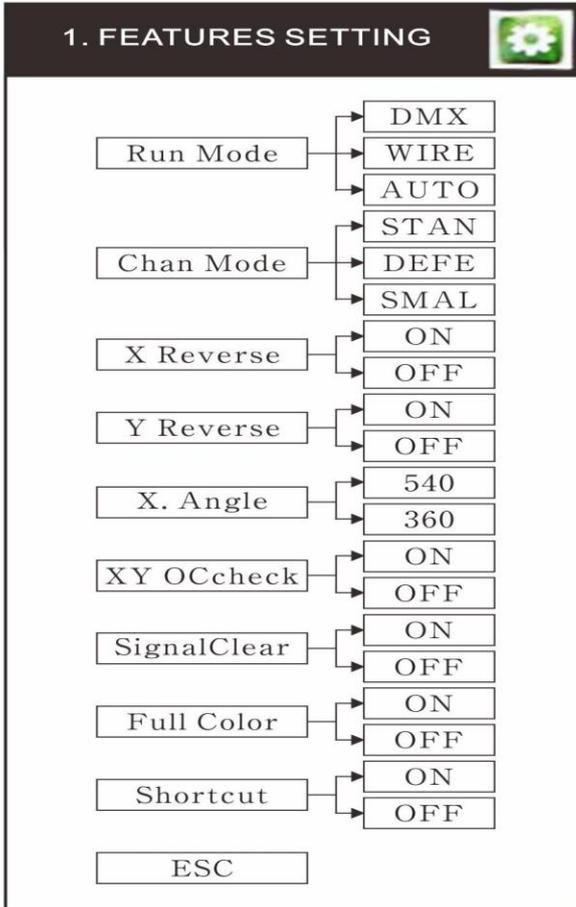
Make sure that the device is fixed properly! Ensure that the structure (truss) to which you are attaching the fixtures is secure.

Securing the fixture via one safety wire

Securing the fixture via two safety wires



Menu Map



DMX Chart:

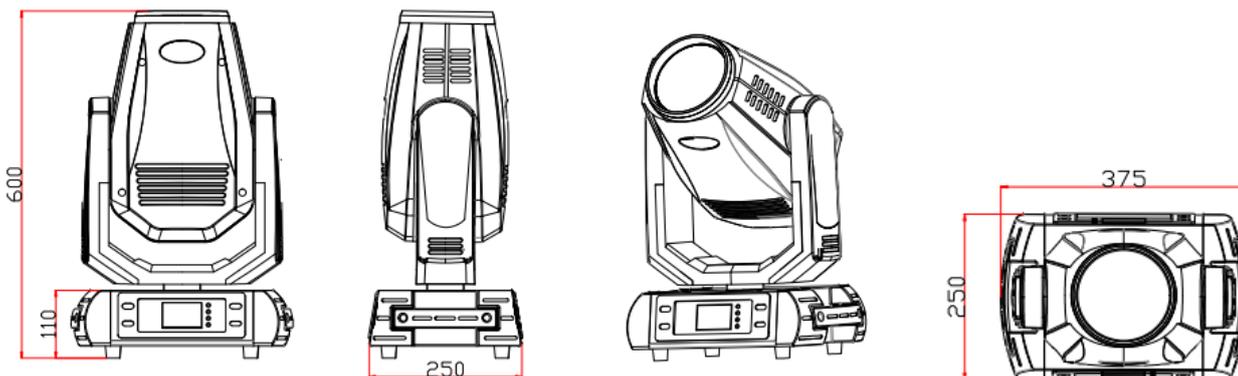
Standard Mode	Reduced Mode	DMX Value	Function	Description
1	1	0-255	Pan	Pan
2	*	0-255	Pan Fine	Pan Fine
3	2	0-255	Tilt	Tilt
4	*	0-255	Tilt Fine	Tilt Fine
5	3	0-255	Pan/Tilt Speed	Pan/Tilt Speed Fast-Slow
6	4	0-19	Macro	No Function
		20-24		Energy Saving Mode (280W)
		25-30		Power Recovery
		31-129		No Function
		130-139		Lamp On
		140-149		X/Y Reset
		150-189		Effect Reset
		190-199		No Function
		200-209		Fixture Reset
		210-229		No Function
		230-239		Lamp Off
		240-255		No Function
		7		5
0	White			
9	Deep Red			
18	Deep Blue			
27	Yellow			
37	Green			
46	Fuchsine			
55	Sky Blue			
64	Red			
73	Deep Green			
82	Amber			
91	Blue			
101	Orange			
110	CTO			
119	Fluorescence Blue			
	Full Color			
128-129	White			
130-134	Deep Red			
135-138	Deep Blue			
139-143	Yellow			
144-147	Red			
148-152	Fuchsine			
153-157	Sky Blue			
158-161	Red			
162-166	Deep Green			

		167-171		Amber
		172-176		Blue
		177-180		Orange
		181-185		COT
		186-189		Purple
		190-220		Forwards color wheel rotation from fast to slow
		221-225		Stop
		226-255		Backwards color wheel rotation from slow to fast
8	*	0-255	Color Wheel Fine	Color wheel fine
9	6	0-255	Effect Speed	Effect - Speed Selection rotation gobo wheel speed Fast-Slow(0-25.5s)
10	7	0-5	Static Gobo Wheel	White
		6-11		Gobo 1
		12-17		Gobo 2
		18-23		Gobo 3
		24-29		Gobo 4
		30-35		Gobo 5
		36-41		Gobo 6
		42-47		Gobo 7
		48-53		Gobo 8
		54-59		Gobo 9
		60-65		Gobo 10
		66-71		Gobo 11
		72-77		Beam 1
		78-83		Beam 2
		84-89		Beam 3
		90-95		Beam 4
		96-101		Beam 5
		102-108		Beam 6
		109-113		Gobo 1 Shake Slow-Fast
		114-119		Gobo2 Shake
		120-125		Gobo3 Shake
		126-131		Gobo4 Shake
		132-137		Gobo5 Shake
		138-143		Gobo6 Shake
		144-149		Gobo7 Shake
		150-155		Gobo8 Shake
		156-161		Gobo 9 Shake
162-167	Gobo10 Shake			
168-173	Gobo11 Shake			
174-179	Beam1 Shake			
180-185	Beam2 Shake			

		186-191		Beam3 Shake
		192-197		Beam4 Shake
		198-203		Beam5 Shake
		204-210		Beam6 Shake
		211-233		Forwards rainbow effect fast-slow
		234-255		Backwards rainbow effect slow-fast
11	8	0-7	Rotating Gobo Wheel	White
		8-15		Gobo 1
		16-23		Gobo 2
		24-31		Gobo 3
		32-39		Gobo 4
		40-47		Gobo 5
		48-55		Gobo 6
		56-63		Gobo 7
		64-71		Gobo 8
		72-79		Gobo 9
		80-87		Gobo 11
		88-95		Gobo 12
		96-103		Gobo 13
		104-111		Gobo 1 Shake
		112-119		Gobo2 Shake
		120-127		Gobo3 Shake
		128-135		Gobo4 Shake
		136-143		Gobo5 Shake
		144-151		Gobo6 Shake
		152-159		Gobo7 Shake
		160-167		Gobo8 Shake
		168-175		Gobo 9 Shake
		176-183		Gobo10 Shake
184-191	Gobo11 Shake			
192-199	Gobo12 Shake			
200-228	Backwards rainbow effect fast-slow			
229-255	Forwards rainbow effect slow-fast			
12	9	0-127	Rot. Gobo indexing and rotation	Gobo index
		128-190		Backwards rotation fast-slow
		191-192		Stop
		193-255		Forwards rotation slow-fast
13	*	0–255	Rot. Gobo indexing and rotation-fine	Fine indexing(rotation)
14	10	0-19	Prism	No function
		20-255		Prism
15	11	0-127	Prism rotation and indexing	Prism index
		128-190		Backwards rotation fast-slow
		191-192		Stop

		192-255		Forwards rotation slow-fast
16	12	0-64	Frost	No function
		65-255		Frost
17	13	0-255	Zoom	Zoom
18	*	0-255	Zoom Fine	Zoom Fine
19	14	0-255	Focus	Focus
20	*	0-255	Focus Fine	Focus Fine
21	*	0-255	Auto Focus	Auto Focus
22	15	0-31	Strobe	Shutter off
		32-63		Shutter open
		64-95		Strobe effect slow-fast
		96-127		Shutter open
		128-143		Closing pulse in sequences Fast-Slow
		144-159		Opening pulse in sequences Slow - Fast
		160-191		Shutter Open
		192-223		Random Strobe Slow-Fast
		224-255		Shutter Open
23	16	0-255	Dimmer	Linear dimmer 0-100%
24	*			No Function

Dimension(mm):



Cleaning

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

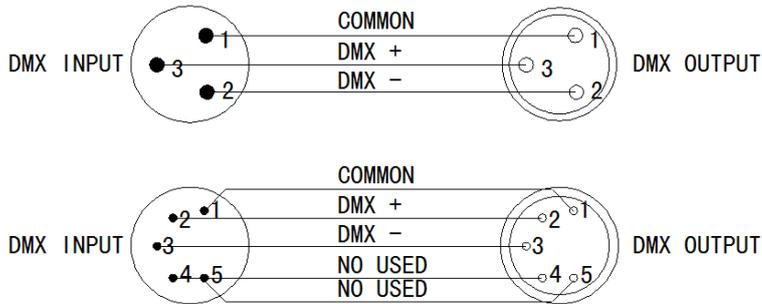
1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. Always be sure to dry all parts completely before plugging the unit back in.

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

TROUBLE SHOOTING: Listed below are a few common problems the user may encounter, with solutions.

Unit not responds to DMX:

1. Check that the DMX cables are connected properly and are wired correctly (pin 3 is “hot”; on some other DMX devices pin 5 may be ‘hot’). Also, check that all cables are connected to the right connectors; it does matter which way the inputs and outputs are connected.



PLEASE Note: All information is subject to change without prentice !