

**LED SCANNER**



**Owner's Manual**

# **JUNOSCAN**

  
**STARVILLE**

Thanks a lot for purchasing our LED scanner. Please read this user manual carefully and follow the instructions to avoid danger or damage to the unit due to mishandling. Keep this user guide for future reference. If you give the unit to another user, be sure that he also receives this instruction booklet.

## Safety instruction



You have to carefully read the instruction, which includes important information about the installation, usage and maintenance.

- Unpack and check carefully there is no transportation damage before using the unit.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit as stated in this manual.
- The unit is for indoor use only. Use it only in a dry location. Exposing the device to rain or moisture would cause the risk of electrical shock or fire.
- The unit must be installed in a location with adequate ventilation, at least 50 cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect the device from the mains power before any servicing or maintenance.
- Replace fuse/lamp only with the same type. Do not use any other type of lamp.
- Keep any flammable material away from the unit while it is operating. Otherwise you run the risk of causing a fire.
- Use safety cables when fixing this unit.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance centre. Always use the same type spare parts.
- There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs by yourself. If the fixture shows any visible damage or if your unit may require service, please contact your dealer.
- NEVER use the unit under the following conditions:
  - > In places subject to vibrations or bumps.
  - > In places with a temperature of over 40 °C or less than 2 °C.
  - > In places subject to excessive dryness or humidity (ideal conditions are between 35% and 80%).


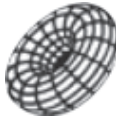






# Installation

You can install the unit on the truss or ceiling. Use clamps to fix the unit to truss. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure. Also always use a safety cable that can hold 10 times of the weight of the unit when installing the fixture.

## 8 control channels

This device allows DMX512 control. Please see details as follow:

Channel	DMX value	Feature
1 PAN	0~255	180°
2 TILT	0~255	90°
3 COLOUR WHEEL	0~7	white
	8~15	dark blue
	16~23	yellow
	24~31	pink
	32~39	green
	40~47	red
	48~55	blue
	56~63	salmon pink
	64~71	white or dark blue
	72~79	dark blue or yellow
	80~87	yellow or pink
	88~95	pink or green
	96~103	green or red
	104~111	red or blue
	112~119	blue or salmon pink
	120~127	salmon pink or white
128~191	positive rainbow effect with increasing speed	
192~255	negative rainbow effect with increasing speed	
4 SHUTTER	0~3	close
	4~7	open
	8~215	strobe effect with increasing speed
	216~255	open
5 DIMMER	0~255	0~100 % mechanic dimmer


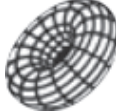






Channel	DMX value	Feature			
6 GOBO WHEEL					
	0~7	8~15	16~23	24~31	
					
	32~39	40~47	48~55	56~63	
	64~71	Gobo 7 shake, from slow to fast			
	72~79	Gobo 6 shake, from slow to fast			
	80~87	Gobo 5 shake, from slow to fast			
	88~95	Gobo 4 shake, from slow to fast			
	96~103	Gobo 3 shake, from slow to fast			
	104~111	Gobo 2 shake, from slow to fast			
	112~119	Gobo 1 shake, from slow to fast			
	120~127	Open			
	128~191	positive rainbow effect with increasing speed			
192~255	negative rainbow effect with increasing speed				
7 CHANNEL FUNCTION	0~7	Reserved			
	8~15	Blackout while pan/tilt moving			
	16~23	Disabled blackout while pan/tilt moving			
	24~31	Blackout while colour wheel moving			
	32~39	Disabled blackout while colour wheel moving			
	40~47	Blackout while gobo wheel moving			
	48~55	Disabled blackout while gobo wheel moving			
	56~87	Reserved			
	88~95	Blackout all moving			
	96~103	Reset pan			
	104~111	Reset tilt			
	112~119	Reset Colour wheel			
	120~127	Reset Gobo wheel			
	128~135	Gobo rotation reset			
	136~143	Prism reset			
	144~151	Focus reset			
	152~159	All channel reset			
160~255	Reserved				

<b>Channel</b>	<b>DMX value</b>	<b>Feature</b>
8 BUILT-IN PROGRAMS	0~7	Reserved
	8~23	Program built-in 1
	24~39	Program built-in 2
	40~55	Program built-in 3
	56~71	Program built-in 4
	72~87	Program built-in 5
	88~103	Program built-in 6
	104~119	Program built-in 7
	120~135	Program built-in 8
	136~151	Sound control 1
	152~167	Sound control 2
	168~183	Sound control 3
	184~199	Sound control 4
	200~215	Sound control 5
	216~231	Sound control 6
	232~247	Sound control 7
248~255	Sound control 8	

# 5 control channels

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	96~103	gobo 3 shake, from slow to fast			
	104~111	gobo 2 shake, from slow to fast			
	112~119	gobo 1 shake, from slow to fast			
	120~127	open			
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192~255	negative rainbow effect with increasing speed				

## Password channel

This is a service function. Keep the <MODE / ESE> button pressed for about 10 seconds. Then press the <UP>/<DOWN> buttons to enter the password 2323.

**P000**

Adjustment for Pan

**t000**

Adjustment for Tilt

**G128**

Adjustment for Gobo wheel

**G128**

Adjustment for colour wheel

**H128**

The motor of pan start bit adjustment

**Y128**

The motor of tilt start bit adjustment

Press the <UP>/<DOWN> button repeatedly until you reach the desired adjustment. Then press the <ENTER> button to confirm. After your confirmation the setting mode will auto exit after 10 seconds.

DMX: **d001**

- NASL** → Slow show  
**SLoU**
- NAFA** → Fast show  
**FASt**
- NSLS** → Sound control show  
**SrUn**
- SLAU** → Slave function select  
**SoNu** Slave
- PAN** → Pan inverted function  
**rPAN** Pan inverted
- t.t** → Tilt inverted function  
**rt.t** Tilt inverted
- d.s** → Display inverted function  
**rd.s** Display inverted
- 11-CH** → Switch channel mode  
**8-CH** Basic mode
- rESt** → System reset
- LoAd** → Load defaults



# Maintenance and care

Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the fixture's optics.

- Never submerge the device in water or any other liquid. Don't let any liquid get into the housing. This would damage the unit and cause a short circuit.
- Before cleaning the device you must disconnect it from the mains. Clean the surface of the device only with a slightly damp cloth. Never use petrol, solvents or any aggressive cleaners! These could damage the surface of the unit's housing!
- Use a dry soft cloth to clean the fan and the lens periodically. So you will maintain good ventilation and an optimal illumination effect.

# Technical specifications

Power supply:	AC 90 V - 264 V, 60 / 50 Hz
Power consumption:	57 W
Fitting lamp:	10 W LED
DMX-control-channels:	8 or 5, select from control board
Colour:	7 colour + open + rainbow
Gobo-wheel:	7 gobo + open + rainbow
Shutter:	Flash rate: 0-10 Hz
Dimmer:	0~100% mechanic dimmer
Maximum PAN-movement:	180°
Maximum TILT-movement:	90°
Master/Slave	activated by sound at pre-programmed function.

Our products are subject to a process of continual further development. Therefore modifications to the technical features remain subject to change without further notice.

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# Disposal

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**Do not dispose of the device at the end of his operating life in your normal domestic waste. This device is subject to the European Guidelines 2002/96/EC.**

- Have the product disposed of by a professional disposal company or by your communal disposal facility.
- Observe the currently applicable regulations. In case of doubt contact your disposal facility.
- Dispose of packaging materials in an environmentally responsible manner.



