

# ***DJ-Smart-LightShow***

Smart 5 in 1 Multi-Effect DJ Light

o w n e r ' s m a n u a l

# WELCOME

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And thank you for purchasing our DJ-Smart LightShow from VocoPro. Along with quality products our commitment to customer satisfaction means we have technical support professionals ready to assist you. Be sure to visit our website- [www.vocopro.com](http://www.vocopro.com) for the latest information on new products.

**We are at:**



VocoPro  
1728 Curtiss Court  
La Verne, CA 91750

**Phone:**



Toll Free: 800-678-5348  
TEL: 909-593-8893  
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## Legal Disclaimer

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VocoPro hereby disclaims any and all liabilities for property, equipment, building, and electrical damages, injuries to any persons, and direct or indirect economic loss associated with the use or reliance of any information contained within this document, and/or as a result of the improper, unsafe, insufficient and negligent assembly, installation, rigging, and operation of this product.

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Please record the model number and serial number below, for easy reference, in case of loss or theft. These numbers are located on the packaging the item came in. Space is also provided for other relevant information.

**Model Number**

**Serial Number**

**Date of Purchase**

**Place of Purchase**

# Laser Warnings and Safety

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## NON-INTERLOCKED HOUSING WARNING

The DJ Smart-LightShow contains high power laser devices internally. Do not open the laser housing due to potential exposure of unsafe levels of laser radiation. The laser power levels, if the unit is opened, can cause instant blindness, skin burns and fires.

## STOP AND READ ALL LASER SAFETY DATA

### OPERATION INSTRUCTIONS AND LASER SAFETY

The light source emitted from this product can potentially cause eye injury if not set up and used properly. The light source emitted from a laser is very different from any other light sources with which you may be aware of. Laser light is thousands of times more concentrated than any light from any other kind of light source. This concentration of light can cause instant eye injuries, primarily by burning the retina (the back of your eyeball containing cells that are sensitive to light). Even if you cannot feel “heat” from a laser beam, it can still potentially injure or blind you or your audience. Even very small amounts of laser beam light are potentially hazardous even at long distances. Laser eye injuries can be sustained faster than you can blink.

## PRECAUTIONS

- Do not think that because this laser splits the laser beam into hundreds of beams and that the laser beam is scanned out in high speed, that an individual laser beam is safe for eye exposure. This laser uses milliwatts of laser power before it splits into multiple beams. Many of the individual beams are potentially hazardous to the eyes.
- Do not think that because the laser light is moving, it is safe. Be aware that laser beams do not always move. Since eye injuries can occur instantly, it is critical to prevent even the smallest possibility of any direct eye exposure. In the laser safety regulation, it is not legal to aim lasers in areas which people can get exposed. This is true even if it is aimed below people’s faces, such as on a dance floor.
- Do not operate the laser without first reading and understanding all safety and technical data in this manual.
- Always set up and install all laser effects so that all laser light is at least 3 meters (9.8 feet) above the floor on which people can stand.
- After setting up, and before public use, test laser to ensure proper function. Do not use if any defect is detected. Do not use if laser emits only one or two laser beams rather than dozens/hundreds, as this could indicate damage to the diffraction grating optic and could allow emission of higher laser levels above Class 2
- Do not point lasers at people or animals. Never look into the laser aperture or laser beams.
- Do not point lasers in areas in which people can potentially get exposed, such as uncontrolled balconies, etc. Do not point lasers at highly reflective surfaces, such as windows, mirrors and shiny metal. Laser reflections can be hazardous.
- Never point a laser at aircraft, this is a federal offense.
- Never point uninterminated laser beams into the sky.
- Do not expose the output optic (aperture) to cleaning chemicals.
- Do not use laser if the laser appears to be emitting only one or two beams.
- Do not use the laser if the housing is damaged, the housing is open, or if the optics appear damaged in any way.
- Never open the laser housing. The high laser power levels inside of the protective housing can start fires, burn skin and will cause instant eye injury.
- Never leave this device running unattended.
- The operation of a class 2 laser show is only allowed if the show is controlled by a skilled and well- trained operator, familiar with the data included in this manual.
- The legal requirements for using laser entertainment products vary from country to country. The user is responsible for the legal requirements at the location/country of use.
- Always use proper lighting safety cables when hanging lights and effects overhead.

# Safety Instructions



## CAUTION RISK OF SHOCK



**CAUTION:** To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Only refer servicing to qualified service personnel.

### Explanation of Graphical Symbols



The lightning flash & arrowhead symbol, within an equilateral triangle, is intended to alert you to the presence of danger.



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and servicing instructions.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.

1. Read Instructions - All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
6. Water and Moisture - Do not use this unit near water. For example, near a bathtub or in a wet basement and the like.
7. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer.
  - 7 A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause an overturn.
8. Ventilation - The appliance should be situated so its location does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation slots.
9. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.



10. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

11. Grounding or Polarization - Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

12. Power-Cord Protection - 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.

13. Cleaning - Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

14. Power lines - An outdoor antenna should be located away from power lines.

15. Non-use Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

16. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

17. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:

- A. The power supply cord or plug has been damaged; or
- B. Objects have fallen into the appliance; or
- C. The appliance has been exposed to rain; or
- D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
- E. The appliance has been dropped, or the enclosure damaged.

18. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

**Note:** To CATV system installer's (U.S.A.): This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected as close to the point of cable entry as practical.



This device complies with Part 15 of the FCC rules. Operation is subject to the condition that this device may not cause harmful interference.

FCC license may be required

# FCC Information

**1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!**  
This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Vocopro may void your authority, granted by the FCC, to use this product.

**2. IMPORTANT:** When connecting this product to accessories and/or another product use only high quality shielded cables. Cable(s) supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the U.S.A.

**3. NOTE:** This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurances that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the owner's manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "Off" and "On", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Use power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter(s).

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300-ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact your local retailer authorized to distribute Vocopro products. If you can not locate the appropriate retailer, please contact Vocopro, 1728 Curtiss Court, La Verne, CA 91750.

**CAUTION:**  
**READ THIS BEFORE OPERATING YOUR UNIT**

1. To ensure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.
2. Install your unit in a cool, dry, clean place - away from windows, heat sources, and too much vibration, dust, moisture or cold. Avoid sources of hum (transformers,

## **CALIFORNIA PROP 65 WARNING**

**WARNING:** This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)

**For more information:** [www.vocopro.com/prop65](http://www.vocopro.com/prop65)

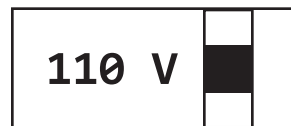
electric motors). To prevent fire or electrical shock, do not expose to rain and water.

3. Do not operate the unit upside-down.
4. Never open the cabinet. If a foreign object drops into the set, contact your dealer.
5. Place the unit in a location with adequate air circulation. Do not interfere with its proper ventilation; this will cause the internal temperature to rise and may result in a failure.
6. Do not use force on switches, knobs or cords. When moving the unit, first turn the unit off. Then gently disconnect the power plug and the cords connecting to other equipment. Never pull the cord itself.
7. Do not attempt to clean the unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.
8. Be sure to read the "Troubleshooting" section on common operating errors before concluding that your unit is faulty.
9. This unit consumes a fair amount of power even when the power switch is turned off. We recommend that you unplug the power cord from the wall outlet if the unit is not going to be used for a long time. This will save electricity and help prevent fire hazards. To disconnect the cord, pull it out by grasping the plug. Never pull the cord itself.
10. To prevent lightning damage, pull out the power cord and remove the antenna cable during an electrical storm.
11. The general digital signals may interfere with other equipment such as tuners or receivers. Move the system farther away from such equipment if interference is observed.

**NOTE:** Please check the copyright laws in your country before recording from records, compact discs, radio, etc. Recording of copyrighted material may infringe copyright laws.

## **Voltage Selector (General Model Only)**

Be sure to position the voltage selector to match the voltage of your local power lines before installing the unit.

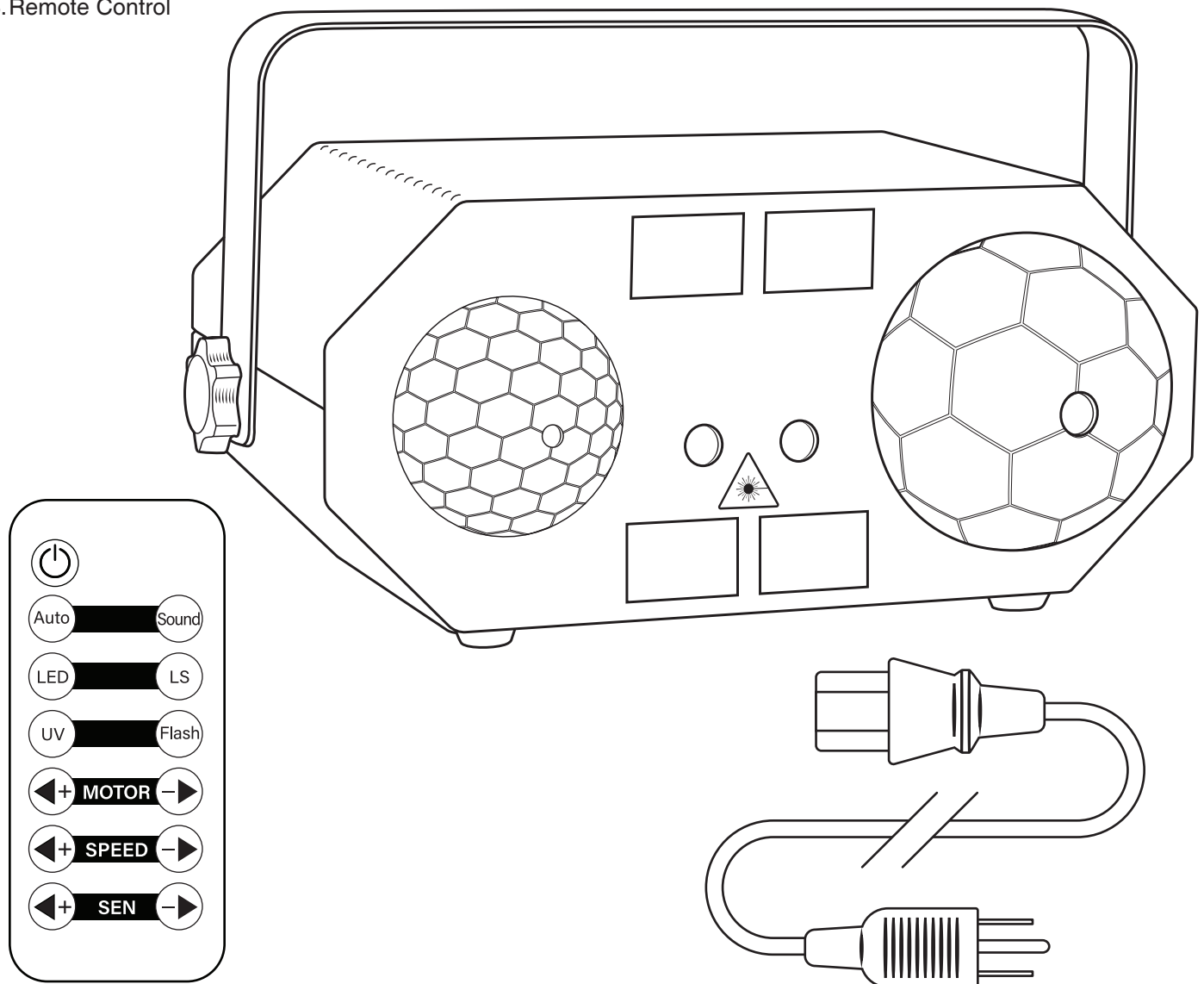


**CAUTION:** The apparatus is not disconnected from the AC power source so long as it is connected to the wall outlet, even if the apparatus itself is turned off. To fully ensure that the apparatus is indeed fully void of residual power, leave unit disconnected from the AC outlet for at least fifteen seconds.

# What's in the Box / Features

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1. Smart 5 in 1 Multi-Effect DJ Light
2. AC Power Cord
3. Remote Control



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## Features:

- Smart 5 in 1 Multi-Effect DJ Light
- Power supply: AC100-240V,50-60Hz
- Power consumption: 30W
- Fuse: 250V
- MOONFLOWER LED: 6\*3W RGB LEDs
- UV-White LED: 4\*2W 2IN1 LEDs
- WATER WAVE: 1\*4W RGBW LEDs
- LASER: Red + Green
- Beam Angle: 6°
- Play Mode: Auto, Sound-activated, Master/Slave, DMX512
- Package dimensions(L\*W\*H): 11.8x 8.3x 6.3 inches N.W: 2.65lb
- G.W: 3.09lb

# Safety Measures

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

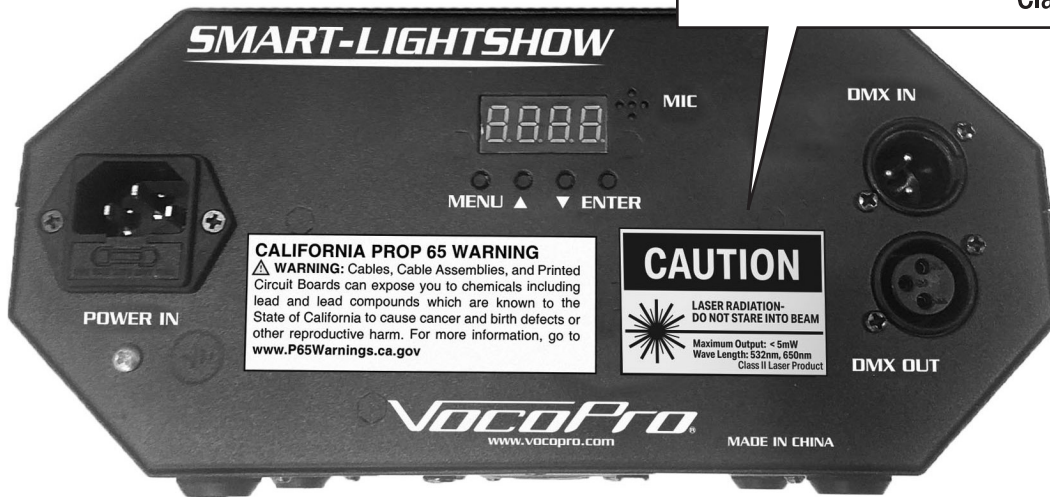
**Caution!** This may cause eye damage. Avoid looking directly into the light source. Use sensible precaution.

## CAUTION

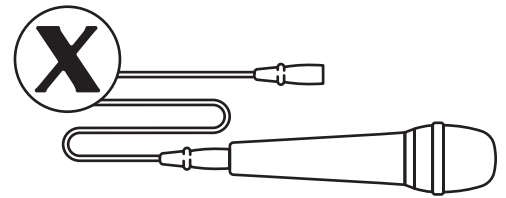
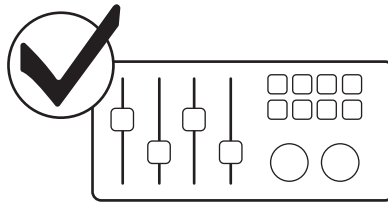
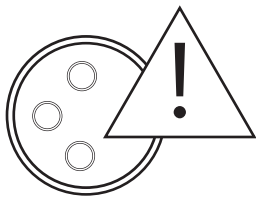
**LASER RADIATION-  
DO NOT STARE INTO BEAM**

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Maximum Output: < 5mW  
Wave Length: 532nm, 650nm  
Class II Laser Product



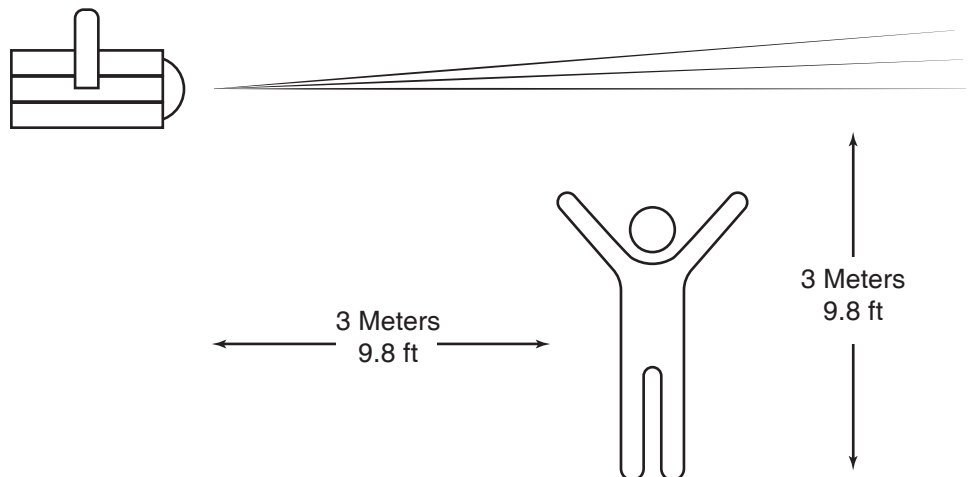
If using a DMX controller use of a DMX signal terminator will reduce signal errors, transmission problems, and interference. DMX cable use only. Do not plug audio equipment into these connections.



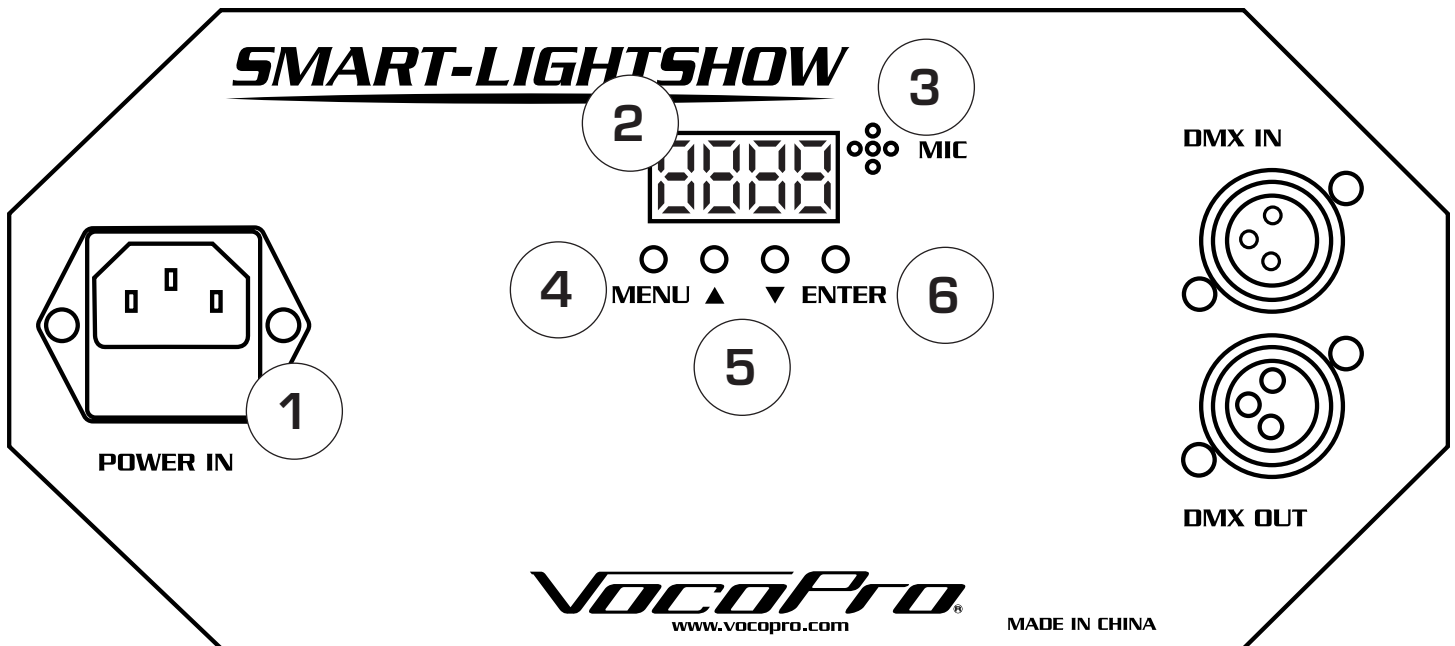
Place DJ Smart Light Show 3 meters from floor to laser light. In addition, place 3 meters horizontally between laser light and audience.

This unit is intended for indoor use only, use of this product outdoors voids all warranties.

Please mount securely and disconnect power after use.



# Functions



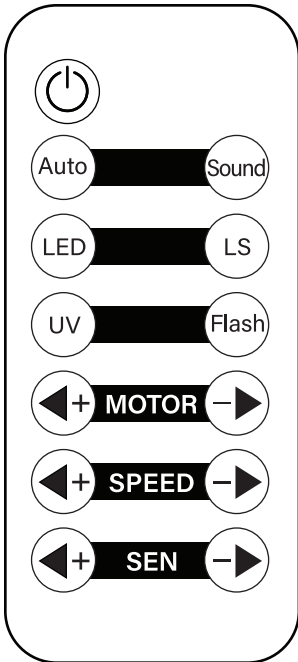
## Functions and Descriptions:

- 1- Power:** Plug the provided AC power cord here, make sure to connect the cord to the smart light show first and then to an AC wall power outlet.
- 2- Display:** This screen shows various menu selections
- 3- Mic:** Internal microphone to detect sound for sound activation modes
- 4- Menu:** Press to cycle through the 8 light modes
  1. Pu- UV light
  2. LA- Laser effect
  3. LE- Moonflower LED effect
  4. FL- Strobe light effect
  5. PA- Water Ripple effect
  6. AU- Automatic setting
  7. S- Sound Activated
  8. A- DMX Channel
- 5- Arrows:** ▲ ▼ Use to select the various settings in each light mode
- 6- Enter:** Press to change the speed of the selected light setting. This option only works with Laser, Moonflower, and Water Ripple effects.



# Remote Control

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## Remote Functions:

**Power-** press to disable lights and enter stand-by mode

**Auto-** press to enter auto mode

**Sound-** press to directly access the sound activated modes

**LED-** press to directly access the Moonflower or Water Wave effect mode, hold to switch between the two modes

**LS-** press to directly access the laser modes

**UV-** press to directly access the UV/Black light effect

**Flash-** press to directly access the strobe light setting

The remote functions – **MOTOR**, **SPEED**, and **SEN** – can only work within certain modes:

**MOTOR:** Only works when the remote control is in the LED moonflower mode. Press “+” to increase the rate at which the motor is rotating.

**SPEED:** Only works when the remote control is in Flash mode (strobe light effect). Press “+” to speed up the pulse rate of the light or “-” to decrease the pulse rate.

**SEN:** Only works when the remote control is in Sound mode and will increase or decrease the microphone sensitivity.

# Menu Functions

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## 1. **Pu-** UV Control

PUON- UV on under LA LE FL mode

PUOF- UV off under LA LE FL mode

## 2. **LA-** Laser Control

LAoF- Laser off

LAAu-Laser on auto

LAr- Red laser on

LA G- Green laser on

LArG- Red and green laser on

LA01-LA20- Laser on auto. The higher the number, the faster it runs

SP 1-9- Laser and strobe both on. The bigger the number the faster it runs (Need to push enter to adjust)

## 3. **LE-** Moonflower LED Control

LE-1- Red LED on

LE-2- Green LED on

LE-3- Blue LED on

LE-4- Red green blue random

LE-5- Mix color random

LE-6- Mix color flash

LE-7- Auto repeat LE-4 to LE-6

Sd 1-9 -Flash speed control LE-4 to LE-7 (need to push enter They go to the number the faster it flashes )

SP 1-9 -Motor speed control (need to push enter to control. Bigger the number the faster it goes)

## 4. **FL-** Strobe Mode Control

FLoF -Strobe OFF

FL 1-9 -Strobe speed, the bigger the number the slower it strobos

## 5. **PA-** Water Effect LED Control

PA-1- Red water effect LED on

PA-2- Green water effect LED on

PA-3- Blue water effect LED on

PA-4- White water effect LED on

PA-5- Single color Random water effect LED on

PA-6- Mixed colored Random water effect LED on

PA-7- Flash water effect LED

PA-8- Auto repeat PA 5 to PA 6

Sd 1-9 Flash speed repeat PA 4 to PA 8 ( Press enter to adjust speed )

SP 1-9 Motor and flash speed control ( Press enter to adjust speed )

## 6. **AU 1-** Auto Mode 1

### **AU 2-** Auto Mode 2

-Continues on page 11

# Menu Functions Continued and DMX

## 7. S1- Sound Activation

S101-S120- Sound activation mode 1 (the two digit in the back are the calculation of the beat of music).

VoL1-VoL9- Sensitivity for sound activation mode (press up and down to enter the bigger the number the more sensitive)

## S2- Sound Activation

S101-S120- Sound activation mode 2 (the two digit in the back are the calculation of the beat of music).

VoL1-VoL9-Sensitivity for sound activation mode (press up and down to enter the bigger the number the more sensitive).

## 8. A001-A512- DMX Mode

Channel	Value	Function
1	0-9 10-255	WATER WAVE FX OFF WATER WAVE FX SINGLE COLOR
2	0-9 10-255	WHITE LED OFF WHITE LED ON
3	0-9 10-44 45-79 80-114 115-149 150-184 185-219 220-255	MOONFLOWER LED OFF MOONFLOWER LED RED ON MOONFLOWER LED GREEN ON MOONFLOWER LED BLUE ON MOONFLOWER LED RED + GREEN ON MOONFLOWER LED GREEN+ BLUE ON MOONFLOWER LED RED + BLUE ON MOONFLOWER LED RED+ BLUE+ GREEN ON
4	0-9 10-99 100-199 200-255	LASER OFF LASER RED ON LASER GREEN ON LASER RED + GREEN ON
5	0-9 10-255	UV OFF UV ON
6	0-255	CONTROL CHANNELS 1-5
7	0-9 10-255	WATER WAVE EFFECT LED OFF WATER WAVE EFFECT LED ON
8	0-9	WATER WAVE EFFECT LED MOTOR OFF WATER WAVE EFFECT MOTOR CONTROL
9	0-9 10-255	MOONFLOWER MOTOR OFF MOONFLOWER MOTOR SPEED
10	0-9 10-127 128-255	LASER MOTOR OFF LASER MOTOR CLOCKWISE SPEED LASER MOTOR COUNTERCLOCKWISE SPEED
11	0-50 51-150 151-200 201-250 251-255	ALL 8 CHANNELS ON AUTO 1 AUTO 2 SOUND ACTIVE 1 SOUND ACTIVE 2

## Our Team is Here to Help



Please do not return to the retailer if you are having a technical issue operating or connecting the unit. If you need additional help, have questions, or need support with your VocoPro product contact us:

**Toll Free: 800-678-5348**

**TEL: 909-593-8893**

**FAX: 909-593-8890**

Email Tech Support at:  
**[tech-support@vocopro.com](mailto:tech-support@vocopro.com)**