

# Stagg®

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## USER MANUAL



# TRANCE60

SLE-TRANCE60

Please read the instructions carefully before use.

# SAFETY INSTRUCTIONS



**Please read the instructions carefully as they include important information about the installation, operation and maintenance.**

- Please keep this user's guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- All fixtures leave the manufacturer intact. Please note that any damages incurred by the user is not covered by the guarantee.
- Unpack and check carefully that there is no transportation damage before using the unit.
- The unit is for indoor use only. Use only in a dry location.
- Use a safety bond when attaching the fixture to a lighting rig.
- The unit must be installed in a location with adequate ventilation at least 50 cm from adjacent surfaces.
- Make sure that no ventilation slot is blocked, otherwise the unit will overheat.
- Before operating, ensure that the voltage and frequency of the power supply match the power requirements of the unit.
- Make sure all equipment is properly earthed.
- Do not operate the unit if the ambient temperature is higher than 40°C.
- Do not hardwire to any mains dimmer.
- On the first start, there may be some normal operational start-up smell.
- Make sure that there is no flammable material close to the unit while operating, as it is a fire hazard.
- Examine power wires carefully and replace immediately if there is any damage.
- Never run on for a long time lest shortening lifespan. Avoid any inflammable liquids, water or metal objects entering the unit. In case it happens, cut off the mains power immediately.

- Do not operate in a dirty or dusty environment. Clean fixtures regularly.
- Do not allow children unsupervised to operate the fixture.
- Do not touch any wire during operation as there might be a hazard of electric shock.
- Avoid placing power wires next to other cables.
- Disconnect the mains power before replacing or servicing the fuses.
- Replace fuse only with the same type.
- In the event of a serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.
- Do not open the unit as there is no user serviceable part inside.
- 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.
- Disconnect the mains power if the fixture is not used for a long time.
- Use the original packaging to transport regarding any warranty issue.
- Do not look directly at the LED light beam while the fixture is on.
- Do not connect more than 7 units to the same power source.

# LASER WARNINGS AND SAFETY



Our Trance fixtures contain high power laser devices internally. **Do not** open the laser housing, due to the potential exposure to unsafe levels of laser radiation. The laser power levels, if the unit is opened, can cause instant blindness, skin burns and fires.

## **STOP !!! 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.

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 dozens of milliwatts of laser power (Class 3B levels internally) before it splits into multiple beams (Class 3R levels). Many of the individual beams are potentially hazardous to the eyes.

Do not think that because the laser light is moving, it is safe. This is not true. Nor, do the laser beams 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 Class 3R 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 3R.

**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. Even laser reflections can be hazardous.

**Never** point a laser at aircraft, this is a federal offense.

**Never** point un-terminated 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 location/country of use.

Always use proper lighting safety cables when hanging lights and effects overhead.

# INSTALLATION

The unit should be mounted via its screw holes. 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 and able to support 10 times the unit's weight. Also, always use a safety cable that can hold 12 times the unit's weight when installing the fixture.

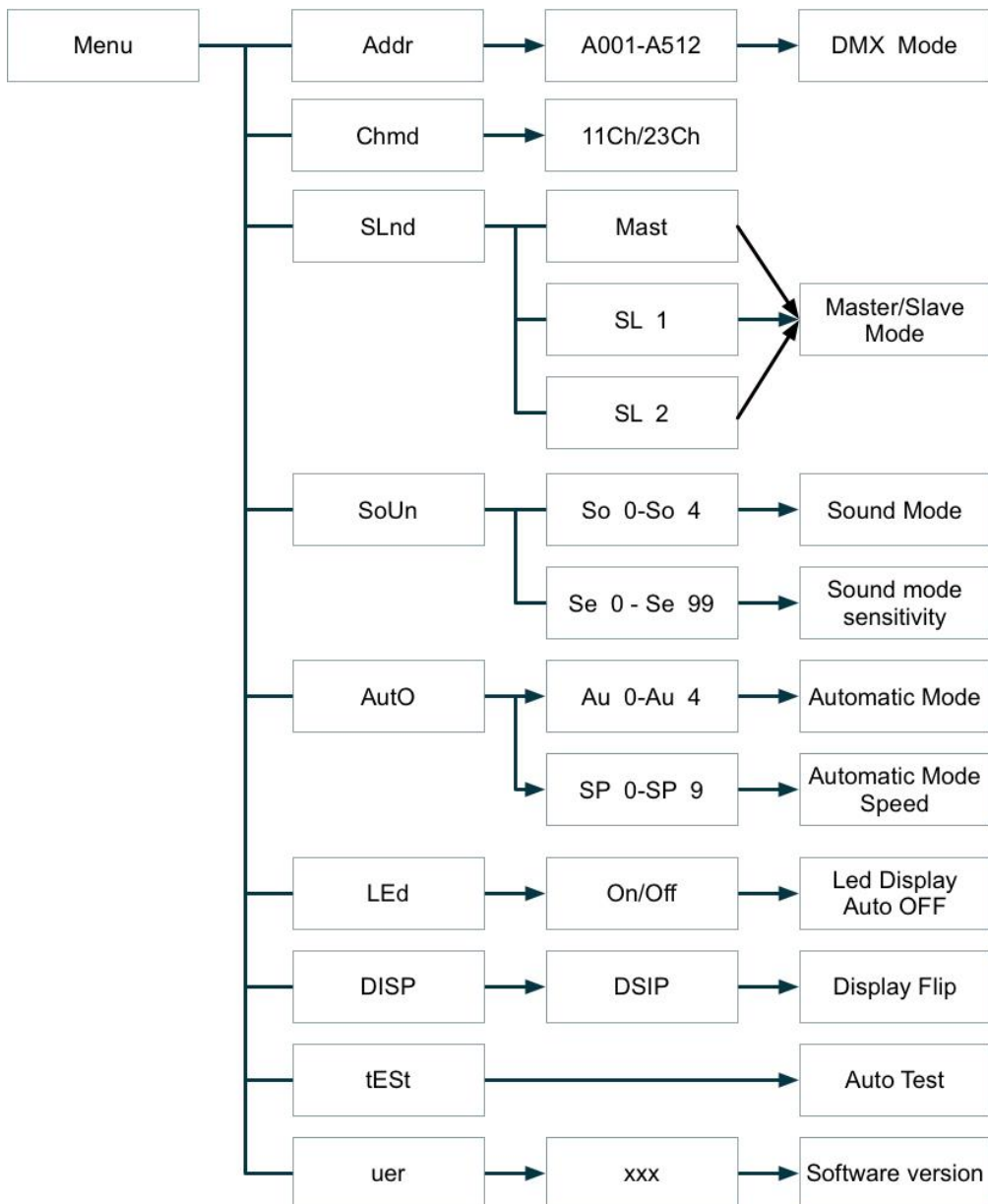
The equipment must be fixed in an appropriate place by professionals. At least 3m from the ground above the public. Keep it out of the reach of unqualified people.

# TECHNICAL SPECIFICATIONS

**Multi effect box with Red and green lasers, derby, color wash and led flower.**

- Wash LED: 9 x 4 watts RGBA
- Flower LED: 84 x 0,75 watts 24R, 18G, 18B, 24A
- Strobe LED: 12 x 0,5 watt White
- Red laser 100 mW
- Green laser 30 mW
- Laser class: 3B
- Protocol: DMX-512. 3, 5, 12, 19 and 32 channels
- Functions: Dimmer (0-100 %), strobe (0-20 Hz), auto, sound control, master/slave, remote control
- Display: 4-digit
- Housing: Metal
- Fixation: 1 bracket
- Input and output: 3-pin DMX and IEC
- Cooling: Low-noise fan
- Use: Indoor
- Power consumption: 70 watts
- Dimensions: 32 x 35 x 29 cm (12.6 x 13.8 x 11.4")
- Weight: 2,6kg (5.7 lb)
- Remote control included

# SETTING UP THE DEVICE





## DMX MENU

With the menu button, select the DMX mode and press the enter key. Then use the up and down buttons to choose the desired DMX channel (1 – 512) and press the enter key to confirm.

The Trance 60 works on 11 or 23 channels. To select the channel mode, push on the menu button and go to Chmd. Press enter. Use the up and down button to select 11 or 23 channels and press enter to confirm.

### 11 channels

Module	Channels	Function	Value
Wash	1	Wash Macro	000- 255 See Macro table
	2	Macro speed	000-255 Speed Slow -> Fast
	3	Strobe	000-008 Open
009-255 Stroboscope (Speed 0 - 100%)			
Strobe	4	Strobe Macro	000- 255 See Macro table
	5	Macro speed	000- 255 Speed Slow -> Fast
	6	Strobe	000-008 Open
009-255 Stroboscope (Speed 0 - 100%)			
LED Beam	7	LED Beam Macro	000- 255 See Macro table
	8	Macro speed	000- 255 Speed Slow -> Fast
	9	Strobe	000-008 Open
			009-255 Stroboscope (Speed 0 - 100%)
	10	Laser Macro	000-007 Off
008 – 255 Macro			
11	Macro speed	000- 255 Speed Slow -> Fast	

## 23 Channels

Module	Channels	Function	Value
Wash	1	Dimmer	000-255 0%~ 100%
	2	Strobe	000-008 Open
			009-255 Stroboscope (Speed 0 - 100%)
	3	Color Wash 1	000- 255 See colour table
	4	Color Wash 2	000- 255 See colour table
	5	Color Wash 3	000- 255 See colour table
	6	Wash Macro	000- 255 See Macro table
7	Macro speed	000-255 Speed Slow -> Fast	
Strobe	8	Dimmer	000-255 0%~ 100%
	9	Strobe	000-008 Open
			009-255 Stroboscope (Speed 0 - 100%)
	10	Strobe Macro	000- 255 See Macro table
11	Macro speed	000- 255 Speed Slow -> Fast	
LED Beam	12	Dimmer	000-255 0%~ 100%
	13	Strobe	000-008 Open
			009-255 Stroboscope (Speed 0 - 100%)
	14	Color Beam 1	000- 255 See colour table
	15	Color Beam 2	000- 255 See colour table
	16	Color Beam 3	000- 255 See colour table
	17	LED Beam Macro	000- 255 See Macro table
18	Macro speed	000- 255 Speed Slow -> Fast	
Laser	19	Laser R	000- 007 off
			008- 127 on
			128- 255 on/off Switch
	20	Laser G	000- 007 off
			008- 127 on
			128- 255 on/off Switch
	21	Rotation	000-010 Stop
			011-120 Movement forward fast -> slow
			121-134 Stop
			135-245 Movement forward Slow -> Fast
246-255 Stop			
22	Laser Macro	000- 007 Off	
		008 – 255 Show	
23	Macro speed	000- 255 Speed Slow -> Fast	

## Wash Macro table

Color	000-007 Blackout
	008-024 Red
	025-041 Green
	042-057 Blue
	058-074 White
	075-090 Red +Green
	091-107 Red +Blue
	108-123 Red +White
	124-140 Green+Blue
	141-156 Green+White
	157-173 Blue+White
	174-189 Red +Green +Blue
	190-206 Red +Green +White
	207-222 Red +Blue +White
	223-239 Green +Blue +White
240-255 Red +Green +Blue + White	

## LED Beam table

Color	000-007 Blackout
	008-024 Red
	025-041 Green
	042-057 Blue
	058-074 Amber
	075-090 Red +Green
	091-107 Red +Blue
	108-123 Red +Amber
	124-140 Green+Blue
	141-156 Green+Amber
	157-173 Blue+Amber
	174-189 Red +Green +Blue
	190-206 Red +Green +Amber
	207-222 Red +Blue +Amber
	223-239 Green +Blue +Amber
240-255 Red +Green +Blue + Amber	

## Macro table

Macro	000-007 Blackout
	008-037 Show 1
	038-067 Show 2
	068-097 Show 3
	098-127 Show 4
	128-157 Show 5
	158-187 Show 6
	188-217 Show 7
	218-247 Show 8
	248-255 Random Show

## MASTER/SLAVE MODE

With the menu button, select the master/slave mode (SLnd) and press the enter key to confirm. In this mode, the “Slave” fixtures will automatically follow the master present in the same daisy chain (See “Connections” section). At least one of the Trance light in the chain need to be in “Master” mode. It works with all our Trance range.

## SOUND CONTROLLED MODE

With the menu button, select the Sound mode (SoUn) and press the enter key to confirm. You can now use the up and down buttons to select 5 different shows. The colour will change on the rhythm of the ambient music.

Use the up and down buttons to adjust the desired microphone sensibility (Se--) from 00 to 99.

## AUTOMATIC MODE

With the menu button, select the Automatic mode (Auto) and press the enter key to confirm. You can now use the up and down buttons to select 5 different shows.

Press Enter again, you can now choose the desired fixed speed on a scale from 1 to 9.

## **LED MENU**

This menu activates the automatic shutdown of the led display.

On “off” position, the led display will automatically shut down the display to make the fixture as discreet as possible.

## **REVERSE DISPLAY MENU**

This menu allows you to reverse the LED display. This is useful if you hag the unit upside down for example.

## **TEST MENU**

This menu is used to make a full test of your fixture. It will test every function one by one to let you detect a failed component in the unit.

## **USER MENU**

In case of an issue, this menu will give you the current firmware version of your fixture.

# DMX512 CONNECTIONS

The DMX512 is widely used in intelligent lighting control, with a maximum of 512 channels.

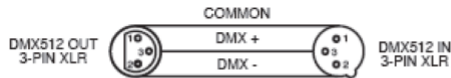


Figure 2



Figure 3

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Data Compliment (negative)
Pin 3 = Data True (positive)

## Warning

To avoid signal transmission problems and interferences when using fixtures in chain, use a Stagg N-series professional 3-pin DMX terminator (resistance: 120 ohms; pin2: DMX-; pin3:DMX+).

## FIXTURE CLEANING

An cleaning must be carried out periodically to optimize the light output. The cleaning frequency depends on the environment in which the fixture operates: A damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the fixture's optics. Clean the fixture with a soft cloth and normal glass cleaning fluid. Always dry the parts carefully. Clean the external optics at least every 20 days.

For more info and the latest product updates:

[staggmusic.com](http://staggmusic.com)

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