

LASERWORLD PRO-1600RGB

PRO show laser class 4 with 1600 mW power in red, green and blue

Art. No.: 51743240

GTIN: 7640144998165



The article is no longer in our assortment.

Description:

Quick Overview

The Laserworld PRO-1600RGB the most powerful RGB show laser system of the Proline Series with an output power of up to 1600 mW, including IR remote controller and SD card option - incl. Laserworld Showeditor Free!

Details

The Laserworld PRO-1600RGB is a white light RGB laser light system with analog modulation and a total output power of up to 1600 mW. It is not only equipped with fast scanners for great projections, it also comes with the super bright 637 nm red, that is visible several times better than the 650 nm plus has a thinner, more accurate beam profile. Therefore the Laserworld PRO-1600RGB ensures great visibility and is suitable for beam as well as for graphics projections.

This show laser light provides an analog modulation. It means a better color fading and a much broader color hue. These facts make the Laserworld PRO-1600RGB ideal for all applications requiring many different color hues and color fadings.

The very advantage of the projectors of the Proline Series is the integrated Glass Effects Actuator: The systems not only run in normal scanner mode. Similar to an optical bench they are equipped with additional grating effects. Without the effects it is possible to show emotionalizing beam shows as well as graphics projections. Through DMX control three different grating effects can be chosen:

Integrated Effects:

The integrated effects can be used individually through selecting them at the display on the back panel or with a DMX controller, in addition all integrated effects can be used through Stand-alone Mode or Sound-to-light Mode including in conjunction with ILDA software for spectacular results

Proline Series Dip Switch settings:

- Normal scanner mode: creates emotionalizing beam shows and graphics projections
- Burst Grating mode: the scanned pattern is multiplied many times and covers a wide range
- 3D Effect mode: creates a great 3D-looking effect on the scanned pattern
- Radial Pattern Effect mode: a pattern is displayed in the center, the effect shows a multitude of this projection in circles around the center projection

Logistic

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Weight: 6,10 kg

Length: 0.32 m

Width: 0.33 m

Height: 0.26 m

· Line Grating mode: a pattern is displayed multiplied in a line

Computer control:

The Laserworld PRO-800RGB has an ILDA interface for professional computer control. Thus own or pre-programmed lasershow can be displayed by use of a laser control software, e.g. [HYPERLINK "https://www.showeditor.com/en/"](https://www.showeditor.com/en/) \o "Laserworld Showeditor" \t "_blank" Laserworld Showeditor.

DMX Mode:

Through DMX preset patterns, like waves, tunnels, circles etc. can be projected in different colors and at various speed.

Stand-alone Mode:

The laser system has an Stand-alone mode, which runs the pre-programmed patterns automatically.

Sound-to-light Mode:

If the Sound-to-light Mode is active, the laser system projects according to the sound. The microphone sensitivity can easily be adjusted at the rear side of the projector.

SD Card:

The Laserworld PRO-1600RGB has an integrated SD card slot (a SD card is included in the delivery). It allows saving patterns, animations or shows as .ILD files on the SD card and running them at the projector. This option makes the use of this show laser system very flexible and independent of computer control.

Laserworld Showeditor FREE:

Laserworld Showeditor FREE is a free laser show software for creating own frames, figures, shows and for exporting them to ILDA (*.ild) format. It is possible to export these files to a SD card and to use it with integrated SD card slot at the Laserworld PRO-1600RGB. [HYPERLINK "https://www.showeditor.com/en/features/showeditor-free.html"](https://www.showeditor.com/en/features/showeditor-free.html) \t "_blank" The Laserworld Showeditor FREE software can be downloaded here.

Master-Slave Mode:

Next to the modes mentioned above, this laser projector provides a master-slave-mode. Show lasers of the same series (slave projectors), connected via DMX to a main projector (master projector) project the same patterns like the master projector.

Rear side adjustments:

This laser device has a LCD display as well as menu buttons at the rear side providing a variety of features like setting the modes, grating effects, animations, colors, music sensitivity, etc..

In addition to the power connection socket and an on/off button there are interfaces for DMX in and out, ILDA in and out and for Interlock connection. An integrated key switch prevents the laser system against unauthorized use. The Laserworld PRO-1600RGB is equipped with a beam block Scan Fail Safety, which can be switched on/off on the back panel as well. In active state this prevents the laser from projecting single beams.

Finally a microphone for the music mode and a special loop for a safety cord have been integrated.

IR Remote Control:

An IR remote controller, included in the delivery, allows different settings like modes selection, speed control, run specific patterns etc. The IR LED at the front side flashes when receiving commands by the controller. The IR control is ideal when the projector is mounted on a truss etc. difficult to reach.

The rugged housing of the Laserworld PRO-1600RGB is very compact and has dimensions of only 23.5 x 20.5 x 16.5 cm (W/B/H). A special feature of the housing is the mounting bracket that allows to fasten the unit in about 360° turns around the mounting axis of the bracket. This feature makes a fixed installation very easy.

The Laserworld PRO-1600RGB is equipped with red and blue diode laser modules and a green DPSS laser module. The red diode has a wavelength of 637 nm for very good visibility at great beam specifications. Together with the green DPSS laser module with a wavelength of 532 nm and the royal-blue diode laser module with a wavelength of 445 nm the laser sources create brilliant colors and form a powerful source for the Laserworld PRO-1600RGB.

The projector has good beam specifications with a beam diameter of about 3 mm and beam divergence of about 1.3 mrad (full angle). At the same time it offers a galvo system with up to 40 kpps with a max. scan angle of 40° and a deflection angle for the grating effects of up to 80°.

The Laserworld PRO-1600RGB is a powerful white light laser system. This device is well suited for private use and professional applications and it is ideal for use in medium to large clubs, discos and nightclubs or in other party locations. It is also a great solution for mobile DJs and rental companies.

Features:

- Control via stand-alone; DMX; ILDA; IR remote control; master/slave function; sound to light
- Package contents**
- 1 x remote control, 1 x laser, 1 x user manual, 1 x power cord, 1 x key, 1 x Interlock

Technical specifications:

Power supply:	100-240 V AC, 50/60 Hz
Power consumption:	80 W
IP classification:	IP20
Power connection:	Mains input via IEC connector (M) mounting version
Laser class:	4
Laser color:	R/G/B
Laser module:	Green (G) 300 mW 532nm Blue (B) 700 mW 445nm Red (R) 300 mW 637nm
Control:	Stand-alone; DMX; ILDA; IR remote control; master/slave function; sound to light
Housing color:	Black
Dimensions:	Width: 20,5 cm Depth: 23,5 cm Height: 16,5 cm
Weight:	4,75 kg
Remote control	
Battery:	1 x button cell 3.0 V CR2025 lithium manganese built-in
Total Power typical:	1600 mW
Guaranteed power:	1300 mW
Power Red:	300 mW / 637 nm
Power Green:	300 mW / 532 nm
Power Blue:	700 mW / 445 nm
Beam Specifications:	3 mm / 1.3 mrad
Laser Sources:	Diode, DPSS Laser
Operation Modes:	auto, music, DMX, ILDA, master-slave, SD Card
Scanner:	Galvo system, up to 40kpps @4°; additional effects gratings and glass effects
Scan Angle max.:	40° max. / 80° for glass effects
Basic Patterns:	>200 Patterns (layers, tunnels, fences, waves etc.; grating & 3D effects)
Accessories:	power cable, remote control unit, SD Card, manual, interlock connector, key, Laserworld Showeditor FREE
Power Supply:	85-250V AC