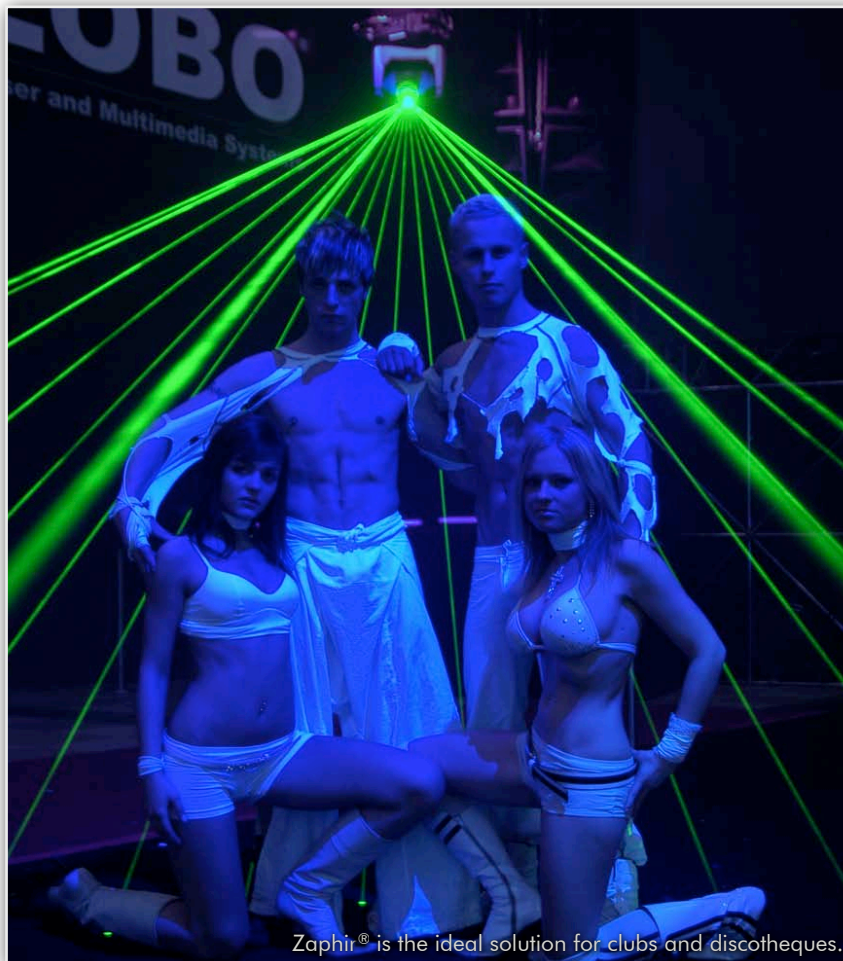


New Laser Moving Head by LOBO

With the Zaphir®, LOBO presents a new generation of laser moving heads. Faster, more precise and more comfortable to control than the units so far available on the market.



Based on the successful Varyscan7 Moving Head of the manufacturer JB Lighting, LOBO developed the next generation of head-moved laser projectors. As the so far commonly used mechanic of moving lights could by far not meet with the high requirements of laser projectors, LOBO's engineers were positively surprised of the astonishing precision and reliability of this device. The

high speed of Pan/Tilt in connection with the 450° Pan and 270° tilt area as well as the automatic repositioning made it the top choice for further developments.

But the real heart of the Zaphir® was completely designed and created in the research laboratories of the LOBO engineers.

The Zaphir® comes in three configurations: As fibre-supplied projector for high light output in multicolor, as a complete system with an integrated long life diode laser 0.6 W (monochrome blue) or as a complete system with an integrated, extremely long-lasting 0.8 W solid state laser source (monochrome green) with dimmer and a high speed blanking function.



80° Projection Angle

The projector's specifications are unique. High Speed scanner units with 80 x 80° scanning angle, active beam safety controlling system and highest display precision, even in the most extreme margin areas. In addition, the projectors are in the position to play back LOBO's Scanline graphics and videos. This technique enables for the first time the display of video-like imagery, both as image as well as video, and thus offering the programmer so far undreamed creative possibilities.

For optimal beam brilliance, the Zaphir® is equipped with an integrated adjustable collimator as commonly used with all other LOBO laser projectors. Due to its sophisticated cooling management, the Zaphir® is suitable also in extremely high temperature conditions and also for long running hours. Unlike



Digital Control Signal

The controlling is effected either analogue with 15pin SUB-D cable for laser data and DMX for the head moving or completely via LOBO's digital data bus DDL®. In the DDL® version a single optical data cable is sufficient as control line. All projector data, DMX are also transmitted via DDL® - connection. When fibre-supplied als the serial control data for the external laser light sources is transmitted by DDL® and can be passed on by means of standard serial interface on the Zaphir and lead with a connection cable to the external laser.

Also the direct and often laborious adjustment on the unit is a thing of the past. All configuration changes can be easily carried out from the LACON-5 controller.

The standardised 15pol SUB-D interface for projector data enables also users of conventional laser controllers to apply the Zaphir® as a projector. The individual adaptation of all controller specific data (x/y invert, color delays, Pan/Tilt invert) can be carried out via the large LC-display by means of an ergonomic encoder.

When using different controllers, two completely storable parameter sets are available.

In this configuration, the moving of the head is controlled via standard DMX signal and needs only 5 DMX channels. For a comfortable controlling or trouble shooting, the received DMX data can be controlled on a DMX monitor directly on the Zaphir display.

other units, the Zaphir® does not quit the job after few operation hours due to overheating.



Scanline® Laser Video und Beams.

Technical Data

- new generation of movinghead, extremely fast and extremely precise
 - 450° Pan and 270° Tilt with automatical position recovery
 - Scanline® video capable scanner unit for the laser display of full-coverage surfaces
 - Digital control signal via DDL® (Digital Data Link) incl. DMX-Signal
 - Alternatively analog controllable via 15 pin SUB-D and DMX Signal (5 DMX channels necessary)
 - Comfortable menu guided configuration with LCD display (invert Pan/Tilt, invert x/y adjustable blanking delay for different controllers)
 - high speed scanner unit with 80x80° scanning angle and active beam safety controlling system
 - Integrated adjustable collimator for optimal beam brilliance
 - sophisticated cooling management, therefore suitable in extreme high temperature conditions and also for long running hours
 - “Laser Emission” LED
 - power consumption < 400 Watt (110/230 VAC, 50-60 Hz)
 - Laser on/off via DMX or manually at the unit
 - completely remote configurable via DDL® directly by the laser controller
 - integrated DMX monitor (LCD display) to watch the received DMX data
 - Connectors for daisy chain of laser interlock signal
 - serial port (RS-232 up to 57,6 kbit/s) to control additional devices (e.g. external laser). Data for this port are received by DDL®
 - quality made in Germany
- **Three versions available:**
- ZAPHIR-5MC Laser light is supplied by fiber optics
 - ZAPHIR-5B with integrated long life diode laser (max. 0.6 Watt power, single color blue), capable of dimming and high speed blanking.
 - ZAPHIR-5G with integrated extreme long life solid state laser (max. 0.8 Watt power, single color green), capable of dimming and high speed blanking.

Prices

ZAPHIR - 5MC Laser Moving Head Projektor

EUR 14.980,-

Extremely fast and precise laser moving head (450° Pan, 270° Tilt), Laser light is supplied by fiber optics. Control via DDL® or analog. Comfortable menu guided configuration with LCD display, remote configurable. Integrated, scanline video capable, high speed scanner unit with 80x80° scanning angle and active beam safety controlling system and adjustable collimator.

ZAPHIR - 5B Laser Moving Head Projektor

EUR 26.023,-

Extremely fast and precise laser moving head (450° Pan, 270° Tilt), integrated long life diode laser with max. 0.6 Watt power (single color blue), capable of dimming and high speed blanking. Control via DDL® or analog. Comfortable menu guided configuration with LCD display, remote configurable. Integrated, scanline video capable, high speed scanner unit with 80x80° scanning angle and active beam safety controlling system and adjustable collimator.

ZAPHIR - 5G Laser Moving Head Projektor

EUR 23.670,-

Extremely fast and precise laser moving head (450° Pan, 270° Tilt), integrated extreme long life solid state laser with max. 0.8 Watt power (single color green), capable of dimming and high speed blanking. Control via DDL® or analog. Comfortable menu guided configuration with LCD display, remote configurable. Integrated, scanline video capable, high speed scanner unit with 80x80° scanning angle and active beam safety controlling system and adjustable collimator.

All prices listed in euros. Delivery ex work Aalen.

Important Notice: All laser effects on the images derive from real photographs and have not been generated on computers.

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