Manuals+ — User Manuals Simplified.

lightmaXX Vector Spot Zoom 2.0 Instruction Manual

Contents

Important safety instructions! Please read before connection!

⚠️ **DANGER! (Electrical shock due to high voltages in the device)**
The housing must not be removed! There are no parts to be maintained in the device. Inside the unit there are components which are under high electrical voltage.
Before each use, check the device for damage or the absence of components, protective devices or housing parts. If this is the case, the device must not be used!
Leave maintenance and repair work to a qualified service workshop or contact your dealer. In the case of a malfunction of the device, operation must also be stopped immediately until the device has been repaired by a specialist!

⚠️ **DANGER! (Electric shock due to short circuit)**
Modifications to the power cord or plug are prohibited. If the power cord is damaged, it must be replaced immediately with an original spare part from the manufacturer. Failure to do so may result in fire or death due to electric shock!

⚠️ **DANGER! (For babies and children)**

Dispose of or store any packaging material properly! Packaging material must be kept out of the reach of babies and children due to the risk of suffocation.

Ensure that children never use the appliance unattended! In addition, make sure that children do not remove (small) parts from the device, as they could suffocate by swallowing parts!

⚠️ **WARNING! (High light intensity – eye injuries)**

A direct view into the light source is absolutely to be omitted!

⚠️ **WARNING! (Epilepsy)**

Stroboscopic effects (flashes of light) can trigger seizures of epilepsy in some people.
Accordingly sensitive people should be warned and should not be in the vicinity of such devices.

❗ **Hint! (Fire hazard due to overheating)**

The maximum permissible ambient temperature of this device is 40°C.
Ensure that the unit is placed in a well-ventilated location away from direct heat sources, naked flames, combustible materials, and liquids. A minimum distance of 1 m is required.
Do not tape or cover the ventilation slots of the unit.

❗ **Hint! (Operating conditions)**

Due to its structural characteristics, the device is designed for indoor operation (IP20).
Never expose the device to rain, moisture or liquids as this may cause damage.
Vibrations, dust or sunlight can also cause damage, avoid them!

❗ **Hint! (Power supply)**

It is essential that you check that the device voltage matches your local mains voltage. It is highly recommended that you fuse your mains socket with a residual current circuit breaker (FI).
If you do not use your device for a longer period of time or carry out maintenance work, disconnect the device from the mains in order to minimize danger. The same applies to storm conditions such as thunderstorms, floods, etc.

❗ **Hint! (Error during data transmission)**

Never connect the DMX input or output to audio devices such as power amplifiers or mixing consoles!
DMX cables enable trouble-free operation and the highest possible transmission reliability of signal data. Do not use microphone cables!

❗ **Hint! (Condensation)**

To avoid condensation in the unit, the unit should adapt to the ambient temperature before commissioning.

❗ **Hint! (Unwanted odours)**

A new product can sometimes lead to unwanted odours. This reaction is normal and disappears after a few minutes.

Symbols on device and packaging:

⚡ The lightning flash symbol warns the user of uninsulated voltages and the risk of electric shock.

⚠️ The exclamation mark symbol draws the user's attention to important maintains and operating instructions in the manual.

🏠 Only suitable for indoor use.

0.2m This symbol defines the minimum distance of the object to be illuminated.

ⓘ Read the manual

Please read and follow the warnings and recommendations carefully to ensure safe and trouble-free use.
Installation:
Be sure to check the unit for damage before use. Use the original packaging or a suitable transport or storage packaging to protect the product from dust, moisture, etc. when not in use.
The unit can be installed either upright or suspended. The device must always be attached to a solid, approved carrier or a suitable surface. Note the load limit of the selected installation position (e.g. for tripods).
The opening of the bracket must be used to fasten the device. Always provide a second, independent safety backup for the device, e.g. with a safety cable.
Work on the device (e.g. assembly) should always be carried out from a stable and permissible platform. Make sure that the area below you is closed off.

⚠ **WARNING! (Risk of injury due to falling down)**
Improper installation can cause considerable injury and damage!
The installation of the device should always be carried out by experienced personnel and must be carried out in compliance with the mechanical and electrical safety regulations in your country.
Please note that it is not possible to use this device with a dimmer!
Congratulations on your new lightmaXX Vector Spot Zoom 2.0!
Thank you for choosing a lightmaXX product. Through efficient development and economical production, lightmaXX enables high quality products at a fantastic price.
Please read the instruction manual carefully to learn about all the features of this product and keep it for future use.
Have fun with your new product!
Your lightmaXX Team

Guarantee:

The current general terms and guarantee conditions of the Music Store professional GmbH apply.
You can view it at: **www.musicstore.de**
If you have any questions or suggestions, please contact us:
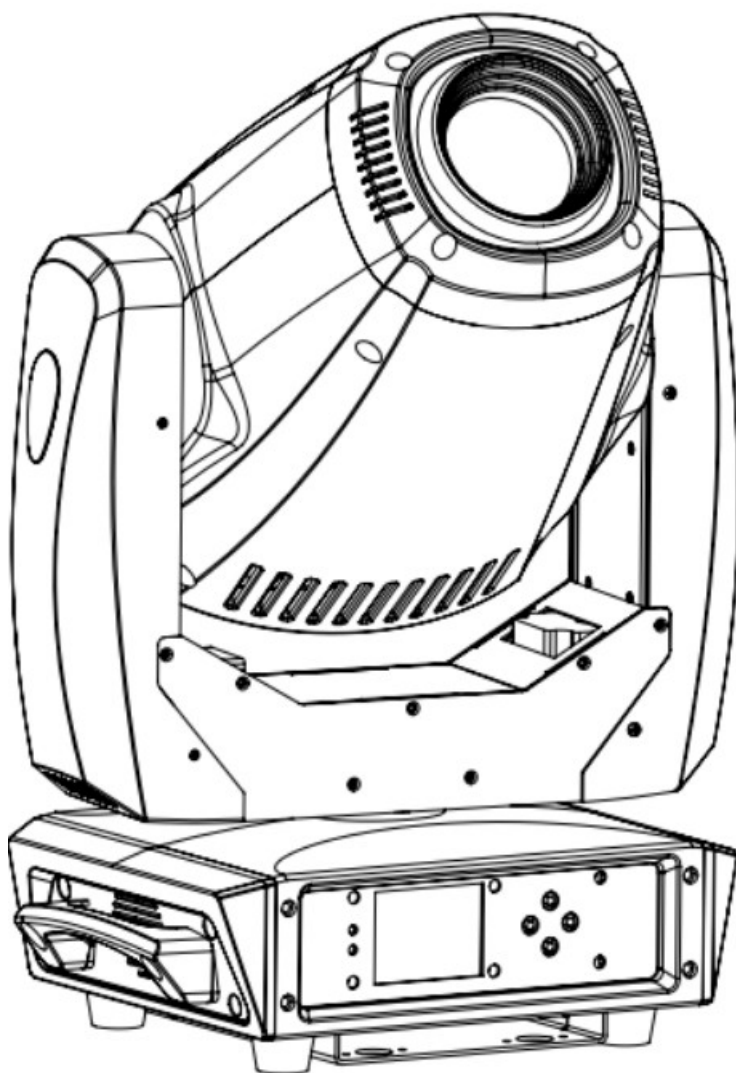**Music Store professional GmbH**
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Scope of delivery:

Content	Quantity
lightmaXX Vector SpoZoom 2.0	1
Omega Bracket	2
Power cord	1
Manual	1

Intended use:

The lightmaXX Vector Spot Zoom 2.0 was designed for use as an electronic LED lighting effect. The device may only be used for this purpose and in accordance with the operating instructions. Other purposes as well as operation under other operating conditions are expressly not intended and can lead to damage to property or personal injury! No liability is assumed for damage resulting from improper use.

It must be ensured that the device is operated exclusively by trained and competent users who are in full possession of their mental, physical and sensory abilities. The use of other persons is expressly only permitted at the request of a person responsible for their safety, who instructs or supervises the use.
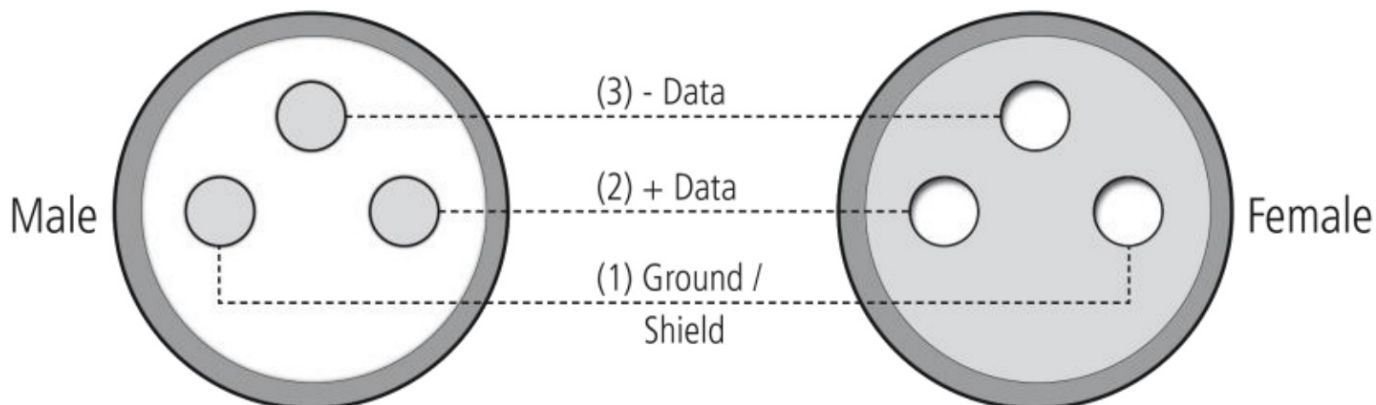
Set up:

All connections of the device should be made before switching on. Only use high-quality cables that are as short

as possible for the connections.
Configuration oft he DMX connector:
3 pin:

Male — (3) - Data — Female
(2) + Data
(1) Ground / Shield

Resistance 120 ohm // ¼ w between pin 2 (DMX-) and pin 3 (DMX+) oft he last fixture.

5 pin:

Male — (1) Ground — Female
(5) + Data (optional)
(3) + Data
(4) - Data (optional)
(2) - Data
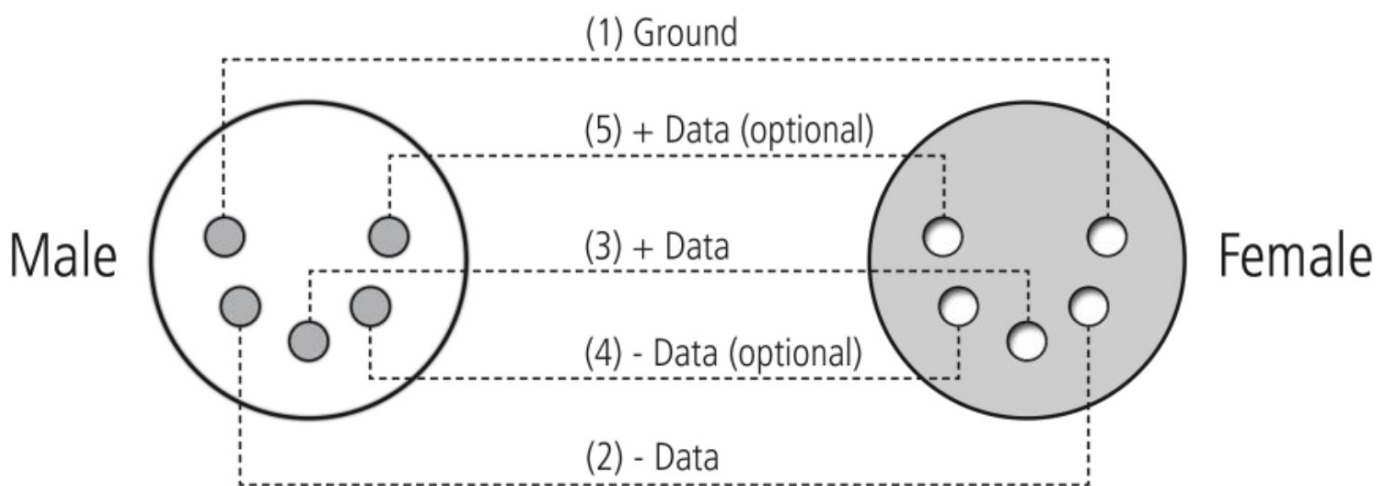
Operating mode DMX:
Connect the DMX input of your device to the DMX output of your DMX controller, your DMX software or the DMX output of a device already in your DMX line. Always use a DMX cable with a 110 Ohm resistor for this connection. Address the device according to your DMX configuration.
The following table shows the respective DMX modes of the individual devices with the corresponding values and functions:

6-Channel-Mode

Channel	Value	Function
1	000-255	X
2	000-255	Y
3	000-255	Dimmer (0-100%)
4	000-004 005-250 251-255	Shutter closed Strobe Effect (Speed: slow to fast) Shutter open
5	000-007 008-047 048-087 088-127 128-167 168-207 208-247 248-255	No function Auto Play 1 Auto Play 2 Auto Play 3 Auto Play 4 Auto Play 5 Auto Play 6 Colour Gobo Sound Control
6	000-007 008-032 033-058 059-084 085-110 111-136 137-162 163-188 189-214 215-240 241-255	No function X/Y Auto Run 1 X/Y Auto Run 2 X/Y Auto Run 3 X/Y Auto Run 4 X/Y Auto Run 5 X/Y Auto Run 6 X/Y Auto Run 7 X/Y Auto Run 8 X/Y Auto Run 9 X/Y Sound Control

18-Channel-Mode

Channel	Value	Function
1	000-255	Dimmer (0-100%)
2	000-004 005-250 251-255	Shutter closed Strobe Effect (Speed: slow to fast) Shutter open
3	000-255	X
4	000-255	X-Fine
5	000-255	Y
6	000-255	Y-Fine
7	000-255	XY Speed

8	000-004	Open (White)
	005-013	White/Colour 1
	014-022	Colour 1
	023-031	Colour 1/Colour 2
	032-040	Colour 2
	041-049	Colour 2/Colour 3
	050-058	Colour 3
	059-067	Colour 3/Colour 4
	068-076	Colour 4
	077-085	Colour 4/Colour 5
	086-094	Colour 5
	095-103	Colour 5/Colour 6
	104-112	Colour 6
	113-121	Colour 6/Colour 7
	122-130	Colour 7
	131-139	Open (White)
	140-195	Forward Rainbow Effect (slow to fast)
	196-199	Rotation Stop
	200-255	Backward Rainbow Effect (slow to fast)
9	000-007	Open (White)
	008-017	Gobo 1
	018-027	Gobo 2
	028-037	Gobo 3
	038-047	Gobo 4
	048-057	Gobo 5
	058-067	Gobo 6
	068-077	Gobo 7
	078-087	Gobo 1 Shake
	088-097	Gobo 2 Shake
	098-107	Gobo 3 Shake
	108-117	Gobo 4 Shake
	118-127	Gobo 5 Shake
10	000-007	Open (White)
	008-017	Gobo 1
	018-027	Gobo 2
	028-037	Gobo 3
	038-047	Gobo 4
	048-057	Gobo 5
	058-067	Gobo 6
	068-077	Gobo 7
	078-087	Gobo 1 Shake
	088-097	Gobo 2 Shake
	098-107	Gobo 3 Shake
	108-117	Gobo 4 Shake
	118-127	Gobo 5 Shake
	128-137	Gobo 6 Shake
	138-147	Gobo 7 Shake
	148-199	Forward Rainbow Effect (slow to fast)
	200-203	Rotation Stop
	204-255	Backward Rainbow Effects (slow to fast)
11	000-007	Stop
	008-129	Forward Gobo2 Rotation (slow to fast)
	130-133	Stop
	134-255	Backward Gobo2 Rotation (slow to fast)
12	000-255	Focus

13	000-255	Zoom
14	000-007 008-099 100-130 131-255	Open (White) Prism 1 Open (White) Prism 2
15	000-007 008-129 130-133 134-255	Stop Forward Prism Rotation (fast to slow) Stop Backward Prism Rotation (slow to fast)
16	000-007 008-047 048-087 088-127 128-167 168-207 208-247 248-255	No function Auto Play 1 Auto Play 2 Auto Play 3 Auto Play 4 Auto Play 5 Auto Play 6 Colour Gobo Sound Control
17	000-007 008-032 033-058	No function X/Y Auto Run 1 X/Y Auto Run 2
18	001-200 201-255	Speed Reset (10S)

Static, Auto or Sound mode:
The device contains automatic programs that run according to fixed schemes (Auto) or are recalled via the built-in microphone to match the music (Sound). The selection of the respective mode takes place via the menu directly on the device.
If you connect several devices of the same type via DMX, they can be controlled simultaneously via the master device. To do this, set the desired function "Master" on the first device of the line, the other devices of the series must now be set as "Slave". Now the first device of the line gives the function to all other devices and all devices run simultaneously.
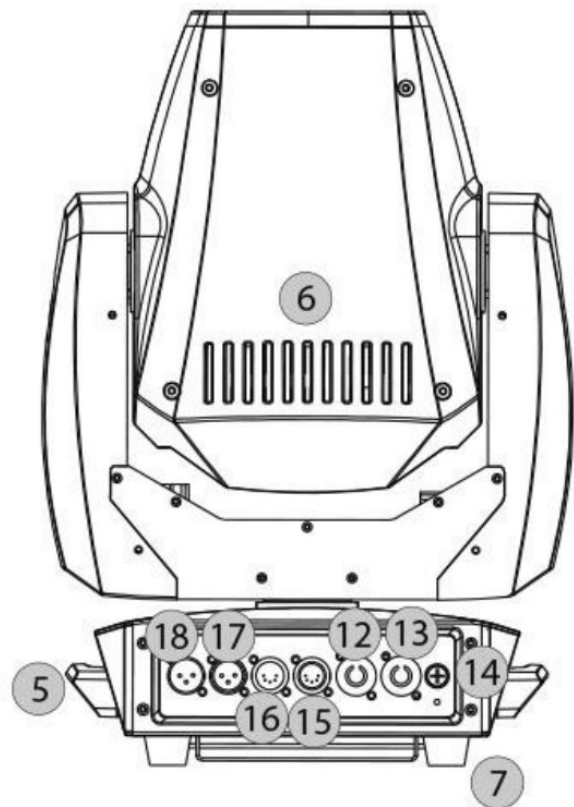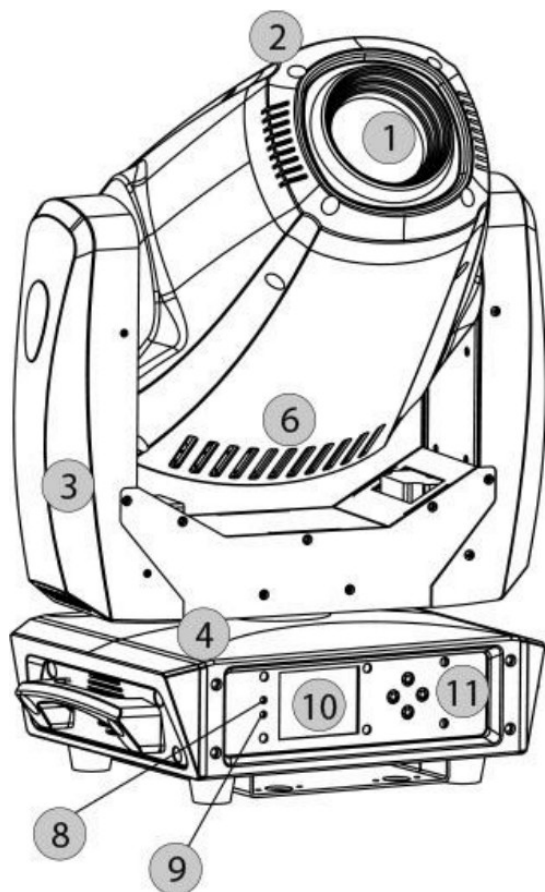**Operation:**
Start:
Connect the device to the mains and wait a few seconds until it is ready for operation.

Connections and controls:

No.	Designation	No	Designation
1	Lens	10	Display
2	Projector head	11	Menu keys
3	Projector arm	12	Power suppy input (Power Twist)
4	Base	13	Power supply output (Power Twist)
5	Carrying handle	14	Fuse holder
6	Ventilation shaft	15	DMX Out (5-pole)
7	Rubber base	16	DMX In (5-pole)
8	DMX light	17	DMX Out (3-pole)
9	Error light	18	DMX In (3-pole)

Menu:

Navigation in the menu is via the four menu buttons below the display. Use the "Mode" button to activate the menu, navigate via the "Up" and "Down" buttons. A corresponding selection is confirmed with the "Enter" key.

The menu structure in detail:

Display	Submenu	Value	Function
DMX Adress		001-512 DMX 6 Ch DMX 18 CH	Setting DMX-Adress DMX 6 Channel Mode DMX 18 Channel Mode

Operating mode	Auto	Perform Mode 1 Perform Mode 2 Perform Mode 3 Perform Mode 4 Perform Mode 5 Perform Mode 6 Perform Mode 7 Perform Mode 8	Program Auto Run
	Sound		Sound Control
	Master Auto	Perform Mode 1 Perform Mode 2 Perform Mode 3 Perform Mode 4 Perform Mode 5 Perform Mode 6 Perform Mode 7 Perform Mode 8	Program Auto Run Master Mode
	Master Sound		Master Mode Sound Control
	Slave		Slave Control
Language Setting	Chinese English		Menu language
Advanced Setting	Pan Reverse Tilt Reverse Display Reverse Reset Motor Factory Reset Home PositionPAN TILT Dimmer Colour fixed Gobo Rotation Gobo Focus Zoom Prism Rotation Gobo Wheel Mic Sensitive	Code=18 . =000 . =000 . =000 . =000 . =000 . =000 . =000 . =000 . =000 . =000 = 000	PAN Reverse TILT Reverse Display Reverse Reset Motor Factory Reset Home PositionPAN TILT Dimmer Colour fixed Gobo Rotation Gobo Focus Zoom Prism Rotation Gobo Wheel Mic Sensitive
System Info	Current Time Total Time Current Mode Temperature Software Version		Current Time Total Time Current Mode Temperature Software Version

Manual Control	PAN	. =000	PAN
	TILT	. =000	TILT
	PAN/TILT Speed	. =000	PAN/TILT Speed
	Dimmer	. =000	Dimmer
	Strobe	. =000	Strobe
	Colour	. =000	Colour
	fixed Gobo	. =000	fixed Gobo
	Rotation Gobo	. =000	Gobo Rotation
	Rotation Gobo WheeFocus	. =000	Rotation Gobo Wheel
		. =000	Focus
	Prism	. =000	Prism
	Prism Wheel	. =000	Prism Wheel
	Zoom	. =000	Zoom

Mounting options:

ATTENTION: Install the device outside the audience's range.

It must be ensured that the intended mounting point has sufficient load-bearing capacity. The projector's suspension devices must be designed and dimensioned to withstand 10 times the payload for 1 hour without permanent damaging deformation.

The device must always be protected by a second independent fuse that complies with the applicable regulations. There must be no persons underneath the device when it is mounted or is maintained.

The unit must be operated at least 0.5m from the nearest flammable surface.

Hanging installation may only be carried out by qualified personnel. The permissible load-bearing capacity and the applicable regulations for event technology must be observed. Under certain conditions, acceptance by experts or institutions is necessary.

It must be ensured that the device is safely mounted before it is put into operation.

If the unit is to be suspended from the ceiling or from high beams, etc., it is always necessary to work with truss systems. The unit must never be fixed in the room so that it can vibrate freely.

The device can be placed directly on the floor or in any position in the trussing without changing its functional properties.

The unit is equipped with two quick-fit Omega suspension brackets. These are screwed to the unit and provide a mounting hole for common clamps. When mounting this device on a crossbar, make sure that the clamp is screwed to the Omega suspension brackets using an M10 screw and nut. Insert the two quick-release fasteners of the respective Omega support bracket into the openings provided on the underside of the unit. Tighten the quick-release fasteners clockwise until they stop.

Always secure the device with a suitable safety rope when it is mounted overhead (mounting height >100 cm).

Only safety ropes and quick links in accordance with DIN 56927, shackles in accordance with DIN EN 1677-1 and BGV C1 chain binders can be used. The safety ropes, quick-connect links, shackles and chain binders must be sufficiently dimensioned and correctly applied on the basis of the latest industrial safety regulations (e.g. BGV C1, BGI 810-3).

Hook the quick-release link into the hole provided in the base plate. Guide the safety rope over the crossbar or a secure fixing point. Hook the end into the quick-release link and tighten the locking nut firmly.

The maximum drop distance must not exceed 20 cm.

A safety rope that has been subjected to a fall load or has been damaged may no longer be used as a safety rope.

(1)Omega-holders
(2)Clamp
(3)Safety-rope
(4)Quick-lock fastene
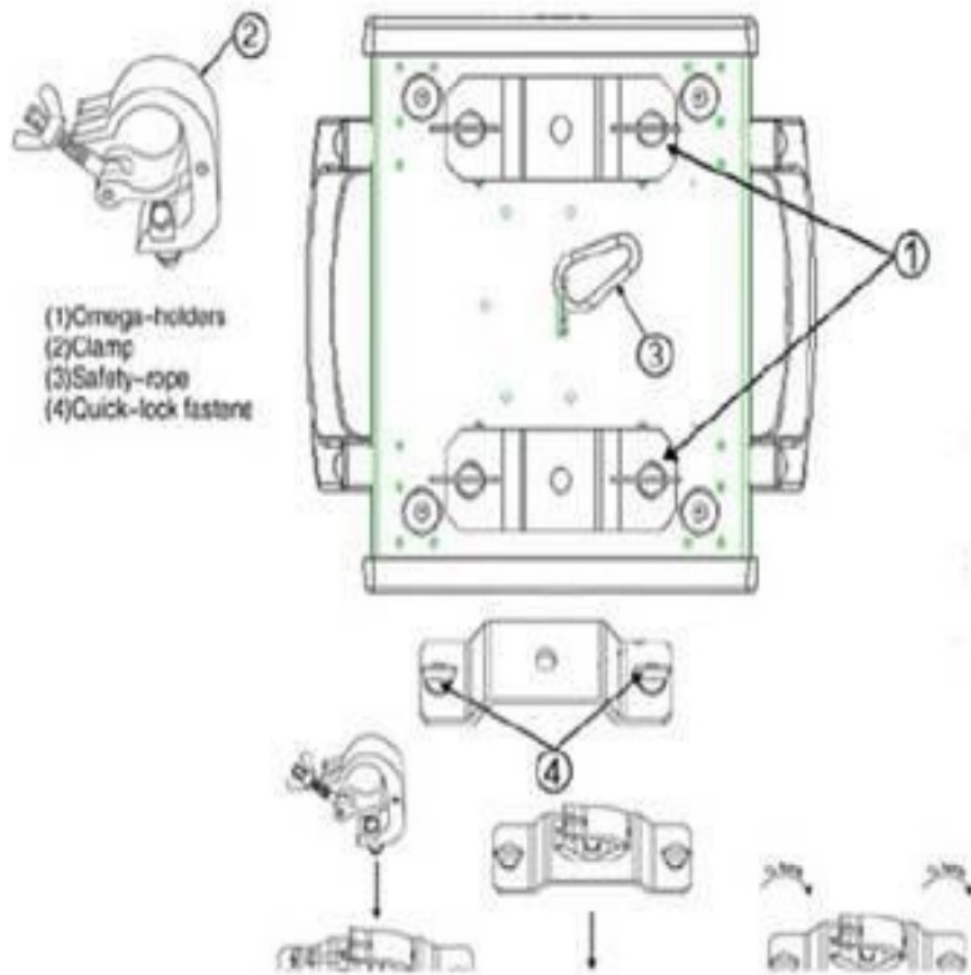
Specifications:

Model	lightmaxx Vector Spot Zoom 2.0
Power supply	AC100-240V 50/60 Hz
Total connected load	260 Watt
Modes of operation	Automatic Mode, DMX, Master/Slave, Sound Mode
DMX Channels	6 and 18
PAN Scan	540° (16-bit), electrical correction
TILT Scan	270° (16-bit), electrical correction
Colour Wheel	Colour Wheel, 7 types of color chips in one color wheel
Static Gobo	7 Gobos + open
Rotation Gobo	7 Gobos + open
Effect Wheel	Two effects Prism, a six-line prism, one rotary five- round prism, bidirectional rotation.
Lens optical system mechanical focus, beam angle	11°-25°
Dimmer	0-100%
Lightning rate	0-20 Hz
Prism	bidirectional rotation
Connections	DMX-In/Out (3-po1/5-pol) Power Twist-In/Out
Dimensions (LxWxH)	328 x 220 x 482 mm
Weight	12,5 Kg
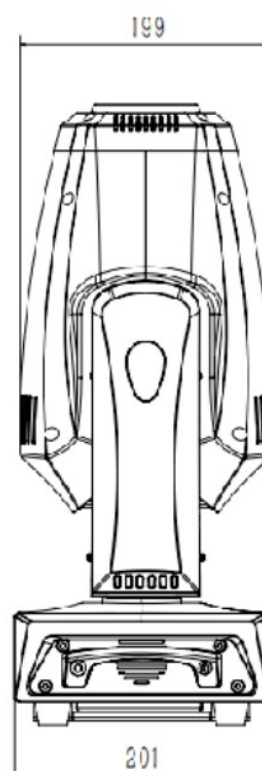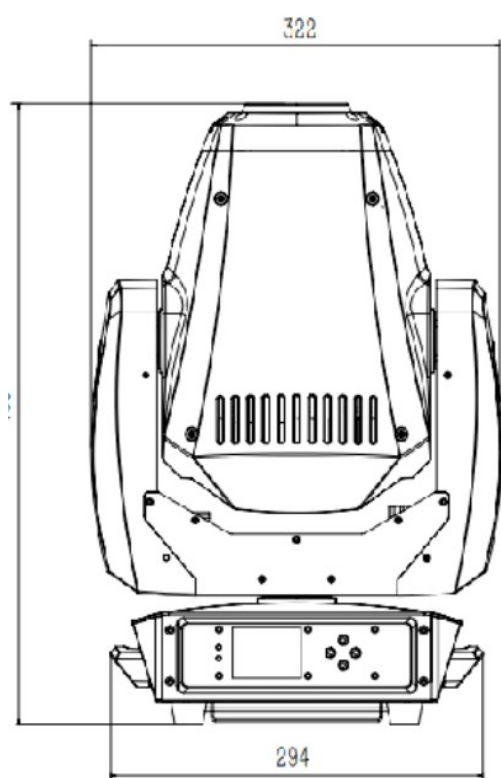
The following overview serves as an aid for quick troubleshooting. If you are unsure, contact the manufacturer, the dealer or the corresponding specialist personnel. Never open the device on your own!

Symptom	Troubleshooting
No function	Check the mains connection and the fuse
No reaction in DMX mode	Check the cable connections
	Check your DMX address setting
	If available, try an alternative DMX controller
No reaction in remote mode	hange the battery in your remote control
	Ensure that the IR transmitter and receiver are at close and clear distances from each other

If the specified corrections have not led to success, please contact our service staff. The contact details can be found at www.musicstore.de

Cleaning:
Regular cleaning of the device from dirt and dust increases the shelf life of the product. Always disconnect the device from the power supply before cleaning it! Never clean the appliance wet! Optical lenses should be cleaned with a dry microfiber cloth to optimize light output. Ventilation grilles and openings should always be cleaned of dust and dirt. Suitable compressed air sprays are recommended for this application.

Environmental protection:
The company MUSIC STORE professional GmbH always strives to reduce the burden of packaging to a minimum. The use of environmentally friendly and recyclable materials is of fundamental importance to us. Please dispose of and recycle the packaging components after use properly.

Disposal of packaging:
Ensure that paper packaging, plastic materials, etc. are separately recycled. Observe thecorresponding disposal instructions on the packaging.

Disposal of batteries:
Batteries do not belong in the garbage! Please keep batteries in accordance with the official collection points or disposal stations in accordance with the specifications.

Disposal of your old device:
Do not dispose of the device with household waste! This device is subject to the WEEE Directive (Waste Electrical and Electronic Equipment) in its currently valid version.
The device will be disposed of by an approved waste disposal company or your local waste disposal office. The regulations valid in your country must be observed!
Manufacturer: MUSIC STORE professional GmbH, Istanbulstraße 22-26, 51103 Cologne, Germany

Notes

Documents / Resources

	lightmaXX Vector Spot Zoom 2.0 [pdf] Instruction Manual Vector Spot Zoom 2.0, Vector, Spot Zoom 2.0, Zoom 2.0

References

- 🕒 **Music Store Online-Shop für Musikinstrumente | MUSIC STORE professional**
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