



MH-575 S MKII
Pro-Spot
moving head

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1 General notes

This user manual contains important information on the safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device to another user, be sure that they also receive this manual.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

Symbols and signal words

This section gives an overview of the symbols and signal words used in this user manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
WARNING!	This combination of symbol and signal word indicates a possible dangerous situation that can result in death or serious injury if it is not avoided.
CAUTION!	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
	Warning – high-voltage.
	Warning – hot surface.
	Warning – dangerous optical radiation.
	Warning – suspended load.
	Warning – danger zone.

2 Safety notes

Intended use

This device is intended to be used as moving-head spotlight. Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Safety



DANGER!

Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.



DANGER!

Electric shock caused by high voltages inside

Within the device there are areas where high voltages may be present.

Completely disconnect the device from the power supply before you open or remove covers. Mount all covers and attach them firmly before connecting the device again.



DANGER!

Electric shock caused by short-circuit

Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.



WARNING!

Eye damage caused by high light intensity

The lamp used in this device produces an intense beam of visible and invisible light radiation.

Do not start the operation of the device without completely fixed covers. Never look directly into the light source.



WARNING!

Risk of epileptic shock

Strobe lighting can trigger seizures in photosensitive epilepsy. Sensitive persons should avoid looking at strobe lights.



WARNING!

Risk of burns at the surface and inside of the device

The surface and the inner parts of the device can become very hot during operation.

After switching off the device wait for at least 15 minutes before you start any maintenance activities.



CAUTION!

Risk of injury due to movements of the device

The head of the device can move quickly (pan, tilt) and can produce very bright light. This is also valid immediately after you turn on the device, when the device operates in automatic mode or under remote control and when you turn off a DMX controller that is connected to the device. Persons staying near the device could be injured or frightened.

Before you turn on the device and during the operation, always ensure that nobody stays close to the device. If work has to be performed in the area of movement or in the near vicinity of the device, it must remain turned off.



NOTICE!

Risk of fire

Do not block areas of ventilation. Do not install the device near any direct heat source. Keep the device away from naked flames.



NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

**NOTICE!****Power supply**

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

3 Features

The moving head is very suitable for professional lighting, for example at events, on rock music stages, in theatres, musical shows or clubs.

Special features of the device:

- Control via DMX (15 channels), foot master / pocket master, or via keys and display at the device
- Built-in automatic show programs
- Sound-active mode
- Master/slave mode
- Colour wheel with 9 dichroitic colour filters plus white
- Rainbow effect in both directions
- Gobo wheel with 7 indexable and rotatable gobos, variable rotation speed and direction
- Effect wheel with rotatable 3-facet prim, variable rotation speed and direction
- Automatic position correction

4 Installation

Unpack and check carefully there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

You can install the device on the wall, ceiling or floor.



WARNING!

Risk of injury caused by falling objects

Make sure that the installation complies with the standards and rules that apply in your country. Always secure the device with a secondary safety attachment, such as a safety cable or a safety chain.



CAUTION!

Risk of injury due to heavy weight

Due to the heavy weight of the device, at least two persons are required for transport and installation.



CAUTION!

Risk of injury due to movements of the device

The head of the device can move quickly (pan, tilt) and can produce very bright light. This is also valid immediately after you turn on the device, when the device operates in automatic mode or under remote control and when you turn off a DMX controller that is connected to the device. Persons staying near the device could be injured or frightened.

Before you turn on the device and during the operation, always ensure that nobody stays close to the device. If work has to be performed in the area of movement or in the near vicinity of the device, it must remain turned off.



NOTICE!

Risk of overheating

The distance between the light output and the illuminated surface must be more than 0.5 m (19.7 in).

Ensure also that there is enough room for ventilation.

The ambient temperature must always be below 40 °C (104 °F).



NOTICE!

Possible damage caused by movements of the device

Always ensure that enough space is free around the device for the movements of the head (pan, tilt).



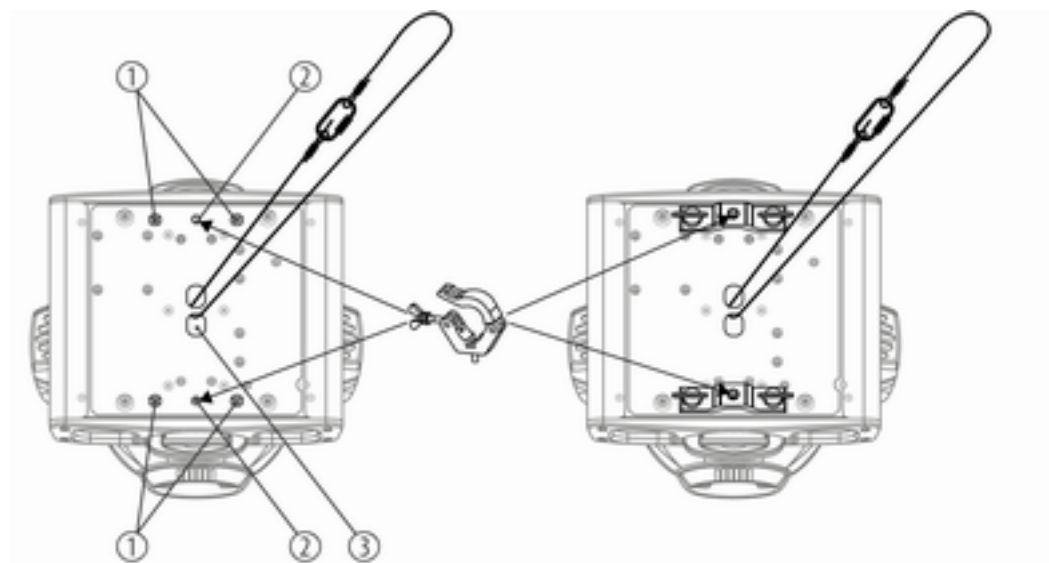
NOTICE!

Possible data transmission errors

For error-free operation make use of dedicated DMX cables and do not use ordinary microphone cables.

Never connect the DMX output to audio devices such as mixers or amplifiers.

Options for mounting



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1	Mounting hole for omega brackets
2	Screw thread for clamps
3	Hole for safety cable

The mounting holes and screw threads at the housing underside can be used for secure fixing of clamps with or without omega brackets. Safety cables can be lead through the holes at the underside.

DMX connections



The unit offers a 3-pin XLR socket for DMX output and a 3-pin XLR plug for DMX input. Please refer to the drawing and table below for pin assignment.

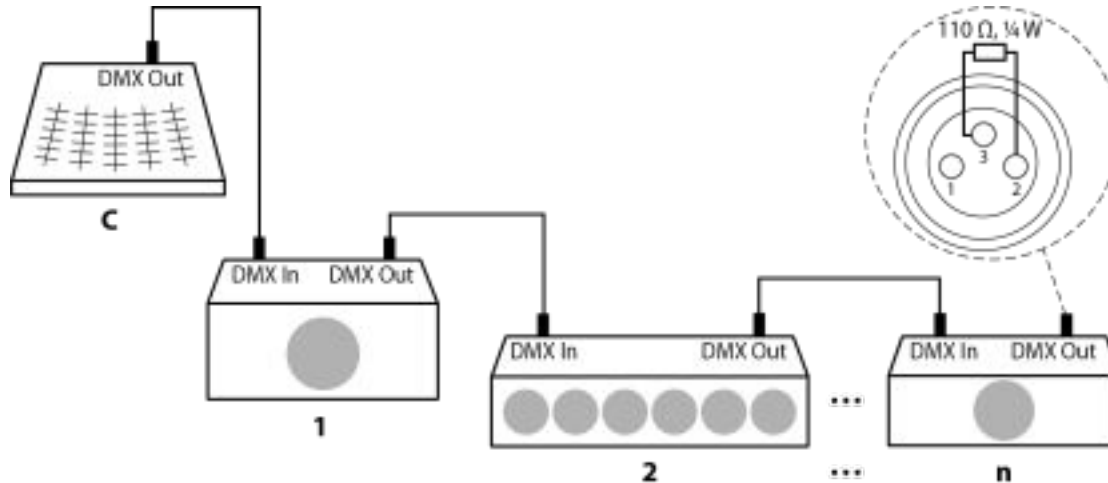
1	Ground, shielding
2	DMX data (-)
3	DMX data (+)

5 Setup

Establish all connections as long as the unit is switched off. Use the shortest possible high-quality cables for all connections.

Connections in DMX mode

Connect the DMX input of the device to the DMX output of a DMX controller or another DMX device. Connect the output of the first DMX device to the input of the second one, and so on to form a daisy chain. Always ensure that the output of the last DMX device in the daisy chain is terminated with a resistor ($110\ \Omega$, $\frac{1}{4}\text{ W}$).



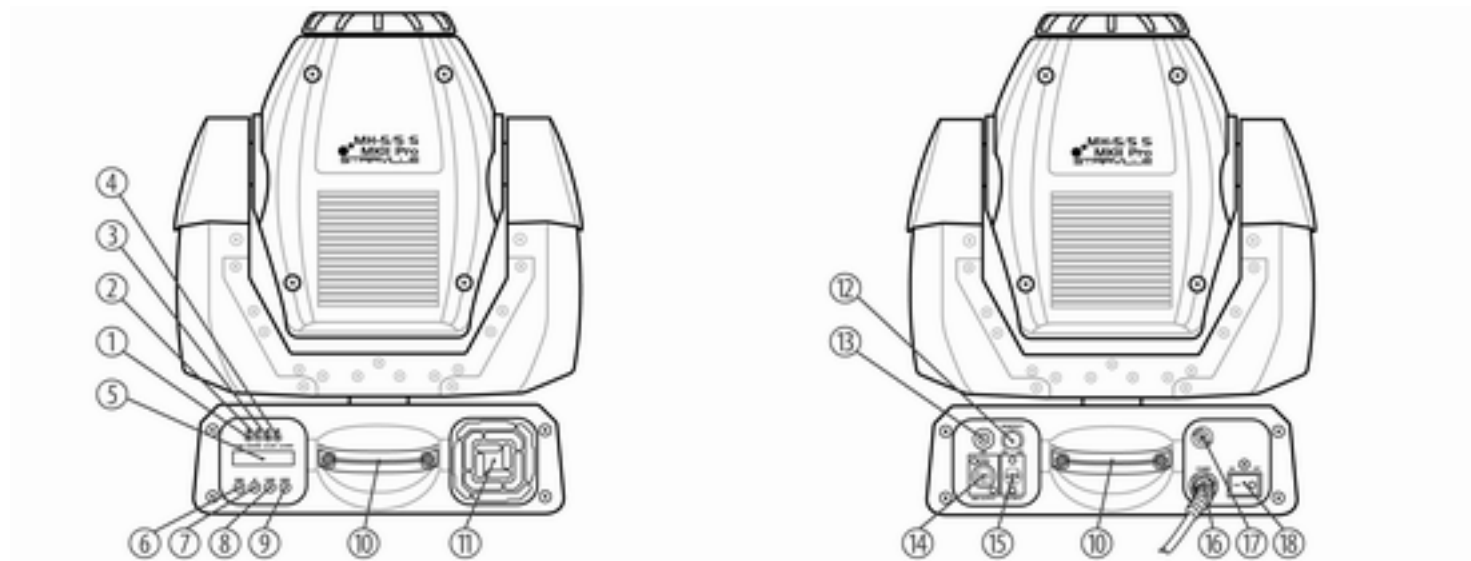
DMX Indicator

When the device and the DMX controller are operating, the LED 'DMX' indicates that a DMX signal is being received at the input.

Connections in master/slave mode

When you configure a group of devices in master/slave mode, the first unit will control the other units for an automatic, sound-activated, synchronized show. This function is ideal when you want to start a show immediately. Connect the DMX output of the master device to the DMX input of the first slave device. Then connect the DMX output of the first slave device to the DMX input of the second slave device and so on.

6 Components and functions



1	DMX The LED indicates that a DMX signal is being received.
2	MASTER The LED indicates that the device is used as 'master'. It controls the 'slaves' connected to it.
3	SLAVE The LED indicates that the device is a 'slave' under control of a 'master'.
4	SOUND In the 'sound' mode, the LED indicates that a sound signal is being received by the microphone.
5	Display
6	MENU Activates the main menu.
7	UP Increases the value displayed by one.

8	DOWN Decreases the value displayed by one.
9	ENTER Chooses an option of the current operation mode.
10	Carrying handle
11	Fan
12	SENSITIVITY Control knob to adjust the sensitivity of the microphone in the 'sound' mode.
13	MIC Microphone used for the sound mode
14	DMX OUTPUT DMX output
15	DMX INPUT DMX input

16	Power cord
17	Fuse holder
18	Power on/off switch. Switches the device on and off.

7 Operation

7.1 Start the device



CAUTION!

Risk of injury due to movements of the device

The head of the device can move quickly (pan, tilt) and can produce very bright light. This is also valid immediately after you turn on the device, when the device operates in automatic mode or under remote control and when you turn off a DMX controller that is connected to the device. Persons staying near the device could be injured or frightened.

Before you turn on the device and during the operation, always ensure that nobody stays close to the device. If work has to be performed in the area of movement or in the near vicinity of the device, it must remain turned off.

Make sure that the power on/off switch (18) is in the 'OFF' position.

Connect the device to the power supply. To start the operation, turn on the device using the power on/off switch (18). After several seconds, the fans start to work, the head moves to the pan and tilt starting points, the display shows that a reset is being performed ('*Resetting...*'). After several additional seconds, the display shows '*DMX Address*'. The device is now operational.

7.2 Main menu

Press *[MENU]* to activate the main menu and to select a menu item. When the display shows the desired menu item, acknowledge the selection using *[ENTER]*. The lower line of the display starts to flash.

Use *[UP]* and *[DOWN]* to change the value displayed. When the display shows the desired value, press *[ENTER]*. After that, keep *[MENU]* pressed for several seconds to acknowledge the value. To get back to the main menu without changes, either press *[MENU]* briefly or wait for eight seconds.

All previous settings are saved, even if you switch off the device and disconnect it from the mains. To start over with the default values, use the '*RESET*' function.

DMX address

Press *[MENU]* repeatedly until the display shows 'DMX Address'. Press *[ENTER]*. The lower line of the display starts to flash. Now you can adjust the number of the first DMX channel (DMX address) used by the device. Select a value between 1 and 512 using *[UP]* and *[DOWN]*.

Make sure that this number corresponds with the configuration of your DMX controller.

When the display shows the desired value, press *[ENTER]*. After that, keep *[MENU]* pressed for several seconds to acknowledge the value. To get back to the main menu without changes, either press *[MENU]* briefly or wait for eight seconds.

Operating mode 'Auto Show'

Press *[MENU]* repeatedly until the display shows 'Show Mode'. Press *[ENTER]*. The lower line of the display starts to flash. Using *[UP]* and *[DOWN]*, you can select one of the pre-programmed shows.

Mode	Meaning
Show 1	'Tilt' movement angle: 210°. This mode is useful if the device is placed on the floor.
Show 2	'Tilt' movement angle: 90°. This mode is useful if the device is fixed under the ceiling or at a traverse.

Mode	Meaning
Show 3	The spot is always projecting to the audience's direction, that means in front of the stage. The 'pan' movement angle (left to right to left) is 160°. The 'tilt' movement angle is 90° (60° above horizon, 30° below horizon). This mode is useful when the device is placed on a speaker box.
Show 4	The spot is mainly projecting in front of the stage. The 'pan' movement angle (left to right to left) is 160°. The 'tilt' movement angle is 90° (vertically, front: 75°, back: 15°). This mode is useful if the device is fixed under the ceiling or at a traverse.

When the display shows the desired value, press **[ENTER]**. After that, keep **[MENU]** pressed for several seconds to acknowledge the value. To get back to the main menu without changes, either press **[MENU]** briefly or wait for eight seconds.

The automatic show selected starts if no working DMX controller is connected.

Operating mode 'Master/Slave'

Press *[MENU]* repeatedly until the display shows 'Slave Mode'. Press *[ENTER]*. The lower line of the display starts to flash. Using *[UP]* and *[DOWN]* you can now select between 'Slave 1' (the movements of master and slave device are identical) and 'Slave 2' (the movements of master and slave device are different).

When the display shows the desired value, press *[ENTER]*. After that, keep *[MENU]* pressed for several seconds to acknowledge the value. To get back to the main menu without changes, either press *[MENU]* briefly or wait for eight seconds.

Operating mode 'Standby'

Use this function to turn off the light temporarily without the need to change the other settings.

Press *[MENU]* repeatedly until the display shows 'StandBy Mode'. Press *[ENTER]*. The lower line of the display starts to flash. Using *[UP]* and *[DOWN]* you can turn the Standby mode on ('Yes') or off ('No').

When the display shows the desired value, press *[ENTER]*. After that, keep *[MENU]* pressed for several seconds to acknowledge the value. To get back to the main menu without changes, either press *[MENU]* briefly or wait for eight seconds.

Pan inversion

Press *[MENU]* repeatedly until the display shows '*Pan Inversion*'. Press *[ENTER]*. The lower line of the display starts to flash. Using *[UP]* and *[DOWN]* you can now select between '*Normal*' (normal pan direction) and '*Inverse*' (inverse pan direction).

When the display shows the desired value, press *[ENTER]*. After that, keep *[MENU]* pressed for several seconds to acknowledge the value. To get back to the main menu without changes, either press *[MENU]* briefly or wait for eight seconds.

Tilt inversion

Press *[MENU]* repeatedly until the display shows '*Tilt Inversion*'. Press *[ENTER]*. The lower line of the display starts to flash. Using *[UP]* and *[DOWN]* you can now select between '*Normal*' (normal tilt direction) and '*Inverse*' (inverse tilt direction).

When the display shows the desired value, press *[ENTER]*. After that, keep *[MENU]* pressed for several seconds to acknowledge the value. To get back to the main menu without changes, either press *[MENU]* briefly or wait for eight seconds.

Backlight

Press *[MENU]* repeatedly until the display shows '*Backlight*'. Press *[ENTER]*. The lower line of the display starts to flash. Using *[UP]* and *[DOWN]* you can now select between '*On*' (backlight LED on) and '*Off*' (backlight LED off).

When the display shows the desired value, press *[ENTER]*. After that, keep *[MENU]* pressed for several seconds to acknowledge the value. To get back to the main menu without changes, either press *[MENU]* briefly or wait for eight seconds.

Focus adjustment

Press *[MENU]* repeatedly until the display shows '*Adjust Focus*'. Press *[ENTER]*. The lower line of the display starts to flash. Use *[UP]* and *[DOWN]* to select a value between 0 and 255.

To make the adjustment easier, the beam will be automatically directed straight upwards or (if the device is mounted at the ceiling) downwards.

When the display shows the desired value, press *[ENTER]*. After that, keep *[MENU]* pressed for several seconds to acknowledge the value. To get back to the main menu without changes, either press *[MENU]* briefly or wait for eight seconds.

Self test

Press *[MENU]* repeatedly until the display shows '*Test*'. Press *[ENTER]*. The device now starts a self test, the display shows '*Testing...*'.

To stop the self test and to get back to the main menu, press '*MENU*'.

Lamp temperature


Press *[MENU]* repeatedly until the display shows '*Lamp Temperature*'. The lower line of the display now shows the lamp temperature.

To get back to the main menu press *[MENU]*.

Lamp hours counter

Press *[MENU]* repeatedly until the display shows 'Lamp Use Hour'. Press *[ENTER]*. The lower line of the displays now shows the total number of lamp hours since the last reset.

To get back to the main menu press *[MENU]*.

To reset the value, follow the instructions at  *Chapter 8.3 'Reset the lamp hours counter' on page 55.*

Turn lamp on or off

Use this function to manually turn the lamp on or off, for example for maintenance activities.

Press *[MENU]* repeatedly until the display shows 'Lamp'. Press *[ENTER]*. Using *[UP]* and *[DOWN]* you can now select between 'On' (Lamp on) and 'Off' (Lamp off).

When the display shows the desired value, press *[ENTER]*. After that, keep *[MENU]* pressed for several seconds to acknowledge the value. To get back to the main menu without changes, either press *[MENU]* briefly or wait for eight seconds.

Quick start

Use this function to specify the behaviour of the device when it is turned on.

Press *[MENU]* repeatedly until the display shows 'Lamp On/Power On'. Press *[ENTER]*. Using *[UP]* and *[DOWN]* you can now select between 'On' (lamp will be ignited immediately after the device is turned on) and 'Off' (lamp remains dark immediately after the device is turned on).

When the display shows the desired value, press *[ENTER]*. After that, keep *[MENU]* pressed for several seconds to acknowledge the value. To get back to the main menu without changes, either press *[MENU]* briefly or wait for eight seconds.

Software version

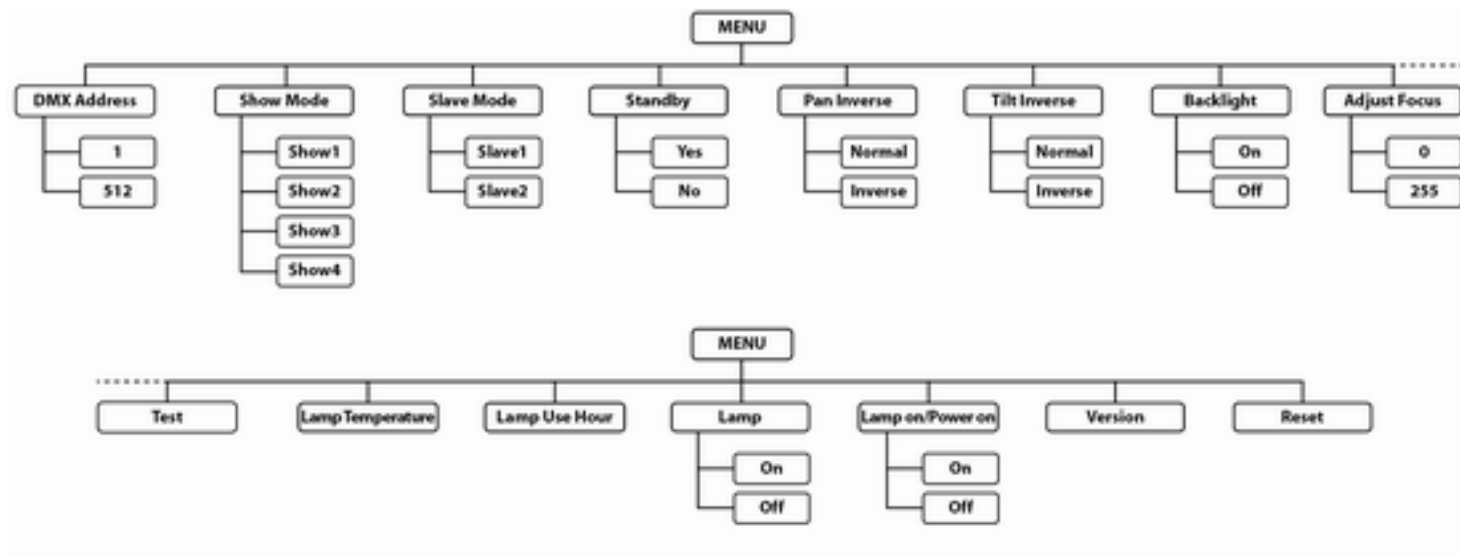
Press *[MENU]* repeatedly until the display shows 'Version'. Press *[ENTER]*. The lower line of the displays now shows the software version of the device.

To get back to the main menu press *[MENU]*.

Reset

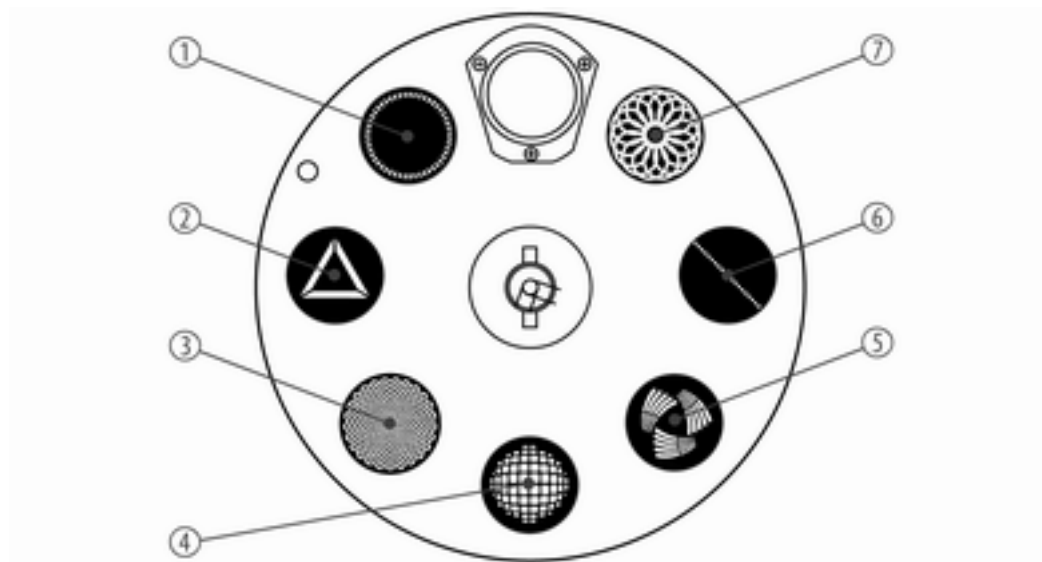
Press *[MENU]* repeatedly until the display shows 'Reset'. Press *[ENTER]*. The lower line of the display now shows that a reset takes place ('Resetting...'), the device will be reset to its default settings.

7.3 Menu diagram



7.4 Gobos

The following figure shows the available gobos and their numbers.



7.5 Functions in 15-channel DMX mode

Channel	Value	Function
1	0...255	Pan (0° to 540°)
2	0...255	Tilt (0° to 270°)
3	0...255	Pan and tilt speed, fast to slow
4	0...255	Dimmer (0 % to 100 %)
5	Shutter / shake	
	0...7	Blackout
	8...15	Open
	16...131	Shutter, speed increasing
	132...185	Open
	186...239	Shake, speed increasing
	240...247	Shutter, random speed

Channel	Value	Function
	248...255	Open
6	Colour wheel	
	0...12	White
	13...25	Green
	26...38	Magenta
	39...50	Light blue
	51...63	Yellow
	64...76	Red
	77...88	Blue
	89...101	'UV' purple
	102...114	Light green
	115...127	Pink
	128...191	Rotation clockwise, speed decreasing

Channel	Value	Function
	192...255	Rotation counterclockwise, speed increasing
7	Gobo wheel	
	0...15	White, no gobo
	16...31	Gobo 1
	32...47	Gobo 2
	48...63	Gobo 3
	64...79	Gobo 4
	80...95	Gobo 5
	96...111	Gobo 6
	112...127	Gobo 7
	128...191	Rotation clockwise, speed decreasing
	192...255	Rotation counterclockwise, speed increasing
8	Rotation of the gobo wheel	

Channel	Value	Function
	0...127	Index position (0° to 360°)
	128...191	Rotation clockwise, speed decreasing
	192...255	Rotation counterclockwise, speed increasing
9	Prism	
	0...85	White, no prims
	86...170	Prism effect 1
	171...255	Prism effect 2
10	Prism rotation (for prism effect 1 and 2)	
	0...9	No rotation
	10...120	Rotation clockwise, speed decreasing
	121...134	No rotation
	135...245	Rotation counterclockwise, speed increasing
	245...255	No rotation

Channel	Value	Function
11	Focus	
12	Iris/zoom (maximum to minimum aperture)	
	0...10	Maximum aperture
	10...26	Zoom from 0 to 100 %
	27...255	Iris (maximum to minimum aperture)
13	0...255	Fine pan
14	0...255	Fine tilt
15	Special settings	
	0...130	Normal operation
	131...139	Lamp on
	140...200	Reserved
	201...209	DMX reset
	210...230	Reserved

Channel	Value	Function
	231...239	Lamp off
	240...255	Reserved

8 Servicing

8.1 Exchange the gobo wheel



DANGER!

Electric shock caused by high voltages inside

Within the device there are areas where high voltages may be present.

Completely disconnect the device from the power supply before you open or remove covers. Mount all covers and attach them firmly before connecting the device again.

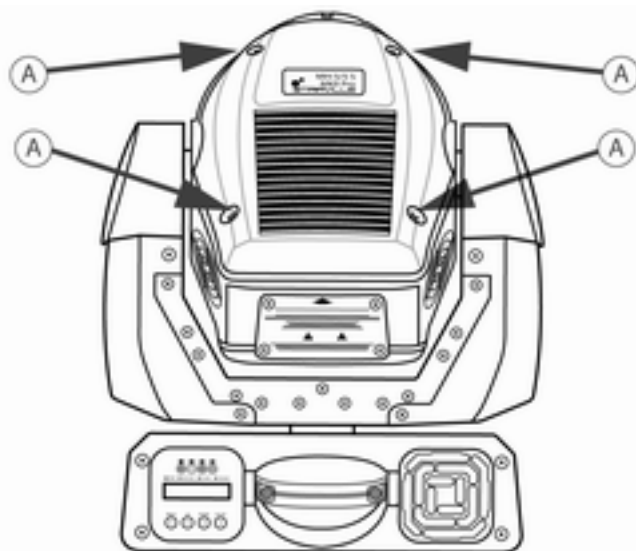


WARNING!

Risk of burns at the surface and inside of the device

The surface and the inner parts of the device can become very hot during operation.

After switching off the device wait for at least 15 minutes before you start any maintenance activities.



Instructions

1. ➤ Ensure that the device is turned off, disconnected from the power supply and that it has cooled down completely.
2. ➤ Move the head of the device into a horizontal position. The arrow printed at the back of the head points to the upper side.
3. ➤ Loosen the four cross-head screws at the upper side of the cover which are marked by 'A' in the figure above, then remove the upper part of the cover.
4. ➤ Remove the snap ring of the gobo wheel, then take out the gobo wheel.



Do not loosen the screws located at the gobo wheel. This way, the ball bearings would be opened.

5. ➤ Stick the new gobo wheel on the axis.
6. ➤ Press the snap ring together and stick it on axis to fix the gobo wheel.
7. ➤ Attach the upper part of the cover to the device again and fix it by using the four associated cross-head screws.
8. ➤ Connect the device to the power supply again.

8.2 Insert or exchange the lamp



DANGER!

Electric shock caused by high voltages inside

Within the device there are areas where high voltages may be present.

Completely disconnect the device from the power supply before you open or remove covers. Mount all covers and attach them firmly before connecting the device again.



WARNING!

Eye damage caused by high light intensity

The lamp used in this device produces an intense beam of visible and invisible light radiation.

Do not start the operation of the device without completely fixed covers. Never look directly into the light source.



WARNING!

Risk of burns at the surface and inside of the device

The surface and the inner parts of the device can become very hot during operation.

After switching off the device wait for at least 15 minutes before you start any maintenance activities.



NOTICE!

Possible damages due to dirt or finger prints

Due to the high temperatures, even smallest pieces of dirt on the bulb can destroy the lamp when it is turned on.

Do not touch the lamp directly with your fingers. Use clean gloves or a clean lint-free tissue.



NOTICE!

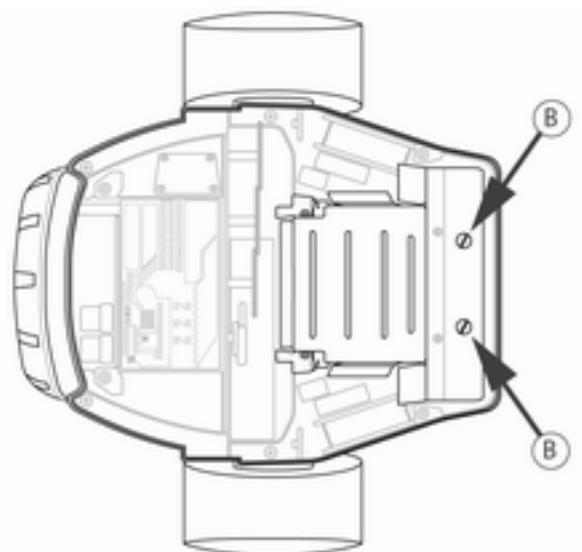
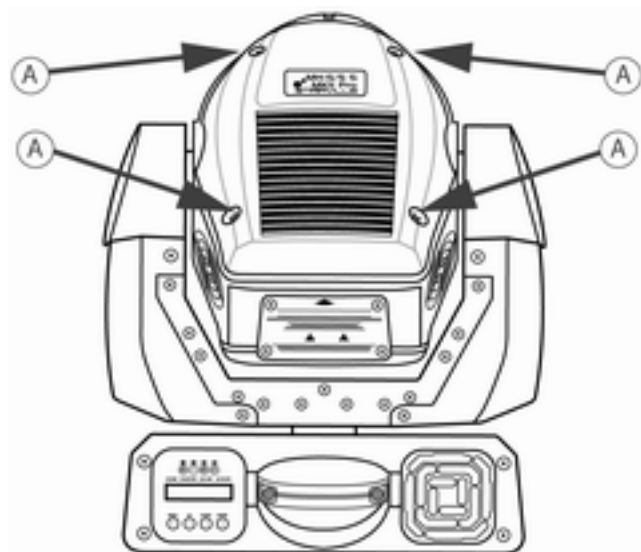
Possible damages due to wrong type of lamp

Any attempt to use the device with a lamp other than those specified in this manual can result in severe damages to the device.

Only use a lamp of the specified type.

Information regarding the lamp

This device is designed for a double-ended metal halide lamp. For correct replacement (examples for manufacturer's types: HMI 575W/DXS, HMQ 575/2 DE, SFC10-4) have a look at www.thomann.de. Follow the safety instructions of the lamp manufacturer.



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Instructions

- 1.** ➤ Ensure that the device is turned off, disconnected from the power supply and that it has cooled down completely.
- 2.** ➤ Move the head of the device into a horizontal position. The arrow printed at the back of the head points to the upper side.
- 3.** ➤ Loosen the four cross-head screws at the upper side of the cover which are marked by 'A' in the figure above, then remove the upper part of the cover.
- 4.** ➤ Loosen the two knurled-head screws of the lamp cover which are marked by 'B' in the figure above.
- 5.** ➤ Remove the lamp cover.
- 6.** ➤ Carefully remove the old lamp.
- 7.** ➤ Carefully insert the new lamp into the socket und check that is firmly secured.
- 8.** ➤ Mount the lamp cover again. Take care to snap the two retaining nugs of the lamp cover completely into the lamp housing.
- 9.** ➤ Firmly tighten the two knurled-head screws of the lamp cover again.
- 10.** ➤ Attach the upper part of the cover to the device again and fix it by using the four associated cross-head screws.
- 11.** ➤ Connect the device to the power supply again.

8.3 Reset the lamp hours counter

Instructions

We recommend to reset the lamp hours counter after each exchange of the lamp. That way you can easily check how long the lamp has been used (↩ 'Lamp hours counter' on page 36).

- 1.** ➤ Ensure that the device is turned off.
- 2.** ➤ Turn the device on and keep the *[DOWN]* key pressed as long as the display shows 'Resetting...'.
 - ⇒ When the start-up phase is finished, the display shows 'Code' .
- 3.** ➤ Using the keys *[UP]* and *[DOWN]*, enter the value '88'.
- 4.** ➤ Press the *[ENTER]* key.
 - ⇒ The lamp hours counter has been reset to zero.

9 Cleaning

Optical lenses

Clean the exterior of accessible optical lenses periodically to optimise light output. The frequency of cleaning depends on the operating environment: wet, smoky or particularly dirty surroundings can cause more accumulation of dirt on the optics of the device.

- Clean with a soft cloth using normal glass cleaning products.
- Always dry the parts carefully.

10 Troubleshooting

**NOTICE!****Possible data transmission errors**

For error-free operation make use of dedicated DMX cables and do not use ordinary microphone cables.

Never connect the DMX output to audio devices such as mixers or amplifiers.

Following we list a few common problems that may occur during operation. We give you some suggestions for easy troubleshooting:

Problem	Corrective action
The device does not work, no light, the fans do not run	Check the power connection and main fuse.
No response to DMX controller	1. The 'DMX' LED should be on. If that is not the case, check whether the DMX connections are correct and cables are in a proper condition.
	2. If the 'DMX' LED is on but you can see no reaction, check the address settings and the DMX polarity.
	3. Try to use another DMX controller.
	4. Check to see if the DMX cables run near or alongside to high voltage cables, that may cause damage or interference to DMX interface circuits.

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at www.thomann.de.

11 Technical data

Number of DMX channels	15
Lamp	Double-ended metal halide lamp, 90 V, 575 W (for example HMI 575W/DXS, HMQ 575/2 DE, SFC10-4)
Beam angle	14° or 18° (zoom lenses controllable via DMX)
Maxim pan angle	540°
Maximum tilt angle	270°
Iris	0...100 %
Dimmer	0...100 %
Shutter	0...10 Hz
Mains power supply	220 – 240 V ~ (AC), 50/60 Hz
Power consumption	700 W
Fuse	10 A, slow operation

Technical data

Dimensions (W × D × H)	432 mm × 369 mm × 535 mm
Weight	29.5 kg

12 Protecting the environment

Disposal of the packaging material



For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose these materials with your normal household waste, but make sure that they are fed to a recovery. Please follow the notes and markings on the packaging.

Disposal of your old device



This device is subject to the European directive 2002/96/EC.

Do not dispose the device with your normal household waste.

Dispose this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.



