

USER MANUAL

Moving head Sharpy Beam 7R 230W, Kayn lamp, DMX

LIGHT246



Code LIGHT246

1 About this manual

This user manual applies to the product Moving head Sharpy Beam 7R 230W, Kayn lamp, DMX (code LIGHT246).

Read this manual carefully before installing the product and putting it into operation for the first time, follow all of its instructions, and keep it for future reference. If you pass the product on to another person, include this manual.

Safety notices are marked with signal words according to the severity of the hazard: DANGER – an imminent hazard that will result in death or serious injury; WARNING – a potential hazard that could result in death or serious injury; CAUTION – a potential hazard that could result in minor injury or property damage; NOTE – additional information for correct and safe use.

NOTE This product is designed for stage and effect lighting. It is not suitable for household room illumination.

2 Safety instructions

WARNING

- This device is intended for professional use. Installation, connection, setup and maintenance must be carried out only by suitably qualified persons who have read this manual.
- Use the device only for its intended purpose and as described in this manual.
- Do not open the housing and do not modify or tamper with the device. Refer all repairs to an authorized service center.
- Do not use the device if its housing, power or data cable, or a connector is damaged, if the device has been dropped, or if liquid or a foreign object has entered it. In such a case, have it checked by a service center.
- Disconnect the device from the power supply before cleaning, maintenance or any work on the connections.
- After moving the device from a cold to a warm environment, let it reach room temperature before switching it on to prevent condensation inside.
- The device is not a toy; keep it out of the reach of children.

WARNING

- Connect the device only to a properly installed mains outlet with a protective earth (ground) contact. The outlet or other means of disconnection must remain easily accessible.
- Power supply: AC 100 – 240 V, 50 / 60 Hz. Before connecting, make sure that the mains voltage matches this value and the value on the rating plate of the device.
- Do not connect the device to a dimmer or to a dimmed circuit.
- Use only the original power cable or a cable with identical ratings. Protect the cable from damage, do not run it over sharp edges, and never unplug it by pulling on the cable.
- When connecting several devices to one circuit, do not exceed its permitted load.
- Replace the fuse only with the power disconnected and always with a fuse of the same type and rating: 7 A.
- Do not touch the device with wet hands.

WARNING

- This device is designed for indoor use only. Protect it from rain, splashing water, moisture and dust, and do not place containers with liquids on it.

- Do not operate the device in high humidity, near water, or where condensation can form on it.

CAUTION

- This device emits intense light. Do not look directly into the light source or the beam at close range; doing so may damage your eyes.
- Do not aim the beam at the eyes of people or animals at close range, and do not view the light source through optical instruments (binoculars, camera lenses).
- Do not aim the beam at flammable or heat-sensitive materials at close range.

CAUTION

- Strobe and fast flashing light effects can trigger epileptic seizures in susceptible people (photosensitive epilepsy) and can cause nausea or disorientation.
- Inform the audience and performers in advance that strobe effects will be used, for example with a notice at the entrance, and do not use them longer than necessary.

WARNING

- The moving parts of the device (for example the head or arms) can move quickly and unexpectedly at any time – after power-on, during a reset, or on a command from the controller.
- Keep yourself and any objects out of the range of movement. While the device is switched on, do not touch the moving parts, move them by hand, or obstruct their movement; this can cause injury (pinching) and damage the drive.
- Do not carry the device by its moving parts. If the device has a transport lock, engage it before transport and release it before switching on.

3 Installation

WARNING

- Rigging must be carried out only by qualified persons in accordance with applicable regulations, in particular those for work at height.
- The supporting structure and fixings must safely carry the weight of all suspended devices; verify their load capacity in advance.
- Weight of the device: 16 kg.
- Use suitable mounting hardware (for example truss clamps) and tighten all screw connections properly.
- Always secure the suspended device against falling with a safety cable of adequate load capacity, routed through a fixed point of the device and around the supporting structure.
- During installation and removal, keep people out of the area below the work position.
- Regularly inspect the fixings and the safety cable for damage, corrosion and loosening.

4 Connections

- Use shielded cable designed for DMX512 with an impedance of 110 Ω . Ordinary microphone cable is not suitable for DMX, especially over longer distances.
- Connect the devices in a daisy chain: connect the DMX OUT of one device to the DMX IN of the next. Do not split the line with Y-cables or wire it in a star; the line may be split only with a DMX splitter.
- Connect the shield to pin 1 only. Do not connect the shield (ground) to the metal shell of the connector; this can cause short circuits or erratic behavior.
- XLR pin assignment: pin 1 – shield (ground), pin 2 – Data- (Data Complement), pin 3 – Data+ (Data True). On 5-pin connectors, pins 4 and 5 are not connected; a 5-pin connector can be connected to a

3-pin one with a cable adapter.

- Terminate the end of the line (for impedance matching): plug an XLR connector with a 120 Ω , ¼ W resistor between pins 2 and 3 into the DMX OUT of the last device. This reduces the risk of erratic behavior.
- Connect no more than 32 devices to one DMX line. For more devices or longer runs, use a DMX splitter or booster.

5 Operation

Control panel

Button	Function
OK	Enters edit mode, cycles through digits, and exits edit mode
Up	Increases value
Down	Decreases value

Switches and indicators

Control	Function
Red ERR indicator light	Flashes to indicate an error message
DMX blue indicator light	Lit indicates receiving DMX signal; unlit indicates no DMX signal
Blue motor driver board indicator light	Rapid flashing (1 s) indicates a serial signal from the display is received; slow flashing (2 s) indicates system is running but no serial signal is present; steadily lit or unlit indicates a driver board fault

Display menu

Code	Values	Function
– manual		Manual control of channels and motors. Controls fixtures manually and enters master mode.
– 1CH.color wheel	0~255	Manual control of channel 1 (color wheel) Manual control for channel 1 color wheel (0-255). Press "Up" and "Down" to change the channel value.
– 14CH. macro function	0~255	Manual control of channel 14 (macro function) Manual control for channel 14 macro function (0-255).
– 15CH.reset		Reset all motors via the confirmation dialog. Press "OK" to display the confirmation dialog. Press "OK" again to reset all motors.
– 16CH.light bulb control	ON, OFF	Manual lamp control. Turn the lamp ON or OFF.
– 17CH.XYSpeed	0~255	Manual control of Pan/Tilt speed. Displayed when channel mode is set to Extended CH20.
– 18CH.color wheel speed	0~255	Manual control of color wheel speed. Displayed when channel mode is set to Extended CH20.
– 19CH. DIMMER-PRISM-FROST TIME	0~255	Manual control of dimmer, prism, and frost time. Displayed when channel mode is set to Extended CH20.
– 20CH. Gobo speed	0~255	Manual control of gobo speed. Displayed when channel mode is set to Extended CH20.
– set up		Device settings menu.
– operating mode	DMX, Auto1, Auto2, Random, Sound	Select fixture operating mode. Receives DMX signal from console or host; Auto1, Auto2, Random, Sound = master status: self-propelled and sends DMX signal to slave.
– DMX address	1~512	Set DMX start address. Sets DMX address between 1 and 512.
Code	Values	Function

– channel mode		Select DMX-channel mode. Standard 16-channel mode (channels 17th to 20th are disabled) or Extended 20-channel mode (channels 17th-20th control speed).
– X reverse		Pan inversion. Inverts the pan axis movement.
– Y reversal		Tilt inversion. Inverts the tilt axis movement.
– XY swap		Swap pan and tilt channels. Swaps the channels of the XY axes, including fine tuning.
– XY encoder		Pan/tilt encoder correction. Use the optocoupler encoder to detect out-of-step conditions and automatically correct position, or correct position without an encoder.
– DMX signal		Behavior upon loss of DMX signal. Continue operating as is, or home motors and stop running.
– screen protector		Display backlight timeout. Turn off the backlight after 30 seconds of inactivity, or keep the backlight constantly lit.
– Turn on the bubble		Lamp ignition behavior upon power-on. Reset directly after power-on without striking the lamp (must be struck via menu or console), or automatically strike the lamp after power-on with reset delayed until successfully lit.
– Color wheel changes linearly		Color wheel switching mode. Linear color wheel changes, or non-linear change with split colors.
– restore default settings		Restore factory default settings. Restores factory settings via confirmation dialog. Press "OK" to display the confirmation dialog. Press "OK" again to restore default settings.
– system		System information and settings. System settings menu.
– Software version		Display current software version.
– reset calibration		Motor reset position calibration sub-menu. Allows adjusting motor reset positions to compensate for hardware installation errors. Adjustment range is -128 to +127; +0 means no adjustment.
– X-axis calibration	-128~+127	X-axis reset position calibration. Calibrates the pan motor zero position. Default: +0.
– Y-axis calibration	-128~+127	Y-axis reset position calibration. Calibrates the tilt motor zero position. Default: +0.
– color calibration	-128~+127	Color wheel reset position calibration. Calibrates the color wheel motor zero position. Default: +0.
– Pattern Calibration	-128~+127	Gobo wheel reset position calibration. Calibrates the gobo wheel motor zero position. Default: +0.
– Focus calibration	-128~+127	Focus reset position calibration. Calibrates the focus motor zero position. Default: +0.
– Dimming calibration	-128~+127	Dimmer reset position calibration. Calibrates the dimmer motor zero position. Default: +0.
– Sensor monitoring		Sensor status monitoring. Real-time monitoring of photoelectric switches, Hall sensors, and other sensors.
– system error		View system error messages.
– Permission settings		Access control and lamp runtime limit settings. Password-protected to prevent unauthorized operation.
– Permission duration	0-9999 hours	Maximum lamp runtime limit. Configurable from 0 to 9999 hours; triggers an alarm when the maximum lamp runtime is reached.
– User password		Set user password. The default password is "1010" ("up down up down") and can be changed.
– Administrator password		Set administrator password. Can be changed.
– DMX monitoring		Monitor incoming DMX channel values. Real-time monitoring of console signals.

Code	Values	Function
– Switch between Chinese and English		Change display language. Switches the menu language between Chinese and English.
– screen rotation		Rotate the screen orientation. Inverts the display orientation.

DMX mode

Slave status: receives DMX signal from the console or host.

Auto mode (Auto1)

Master status: runs automatically and sends DMX signal to slave units.

Auto mode (Auto2)

Master status: runs automatically and sends DMX signal to slave units.

Auto mode (Random)

Master status: runs automatically and sends DMX signal to slave units.

Sound mode

Master status: runs automatically and sends DMX signal to slave units.

Setting the DMX address

- Press "OK" to enter edit mode.
- Press "up" and "down" to change the address.
- Press "OK" again to edit the tens digit.
- Press "OK" again to edit the ones digit.
- Press "OK" again to exit edit mode.
- The device occupies as many consecutive channels in the DMX universe as the selected DMX mode uses, starting at the set start address.
- Number of channels occupied in 20CH mode: 20.
- Choose start addresses so that the channels of individual devices do not overlap and the last occupied channel does not exceed 512. Devices with the same start address and mode respond identically.
- For several devices in a row in 20CH mode, you can use, for example, the start addresses 1, 21, 41, 61.
- The DMX mode set on the device must match the fixture profile (personality) used in the controller.

NOTE During the reset process, press and hold the touchscreen or the OK button for 5 seconds to interrupt the reset.

NOTE When powering on, press and hold the confirm button or touchscreen to interrupt the reset process and enter test mode.

NOTE Set DMX address to 512, return to the main interface, and press and hold "512" on the touchscreen (or long-press the OK button) for 5 seconds to configure the "show" or "hide" LOGO option.

NOTE The gobo wheel and color wheel feature automatic magnetic detection and error correction. If the gobo wheel or color wheel falls out of sync during reset or calibration, set the channel value to 0 to trigger automatic realignment.

6 DMX channels

Mode	Channels
16CH	16
20CH	20

Mode 16CH

16-bit parameters use two channels, coarse and fine: value = 256 × coarse value + fine value.

CH	Function	DMX	Description
1	Colors	0–4	WHITE
		5–9	WHITE + RED
		10–14	RED
		15–19	RED + ORANGE
		20–24	ORANGE
		25–29	ORANGE + AQUAMARINE
		30–34	AQUAMARINE
		35–39	AQUAMARINE + GREEN
		40–44	GREEN
		45–49	GREEN + LIGHT GREEN
		50–54	LIGHT GREEN
		55–59	LIGHT GREEN + LAVENDER
		60–64	LAVENDER
		65–69	LAVENDER + PINK
		70–74	PINK
		75–79	PINK + YELLOW
		80–84	YELLOW
		85–89	YELLOW + MAGENTA
		90–94	MAGENTA
		95–99	MAGENTA + CYAN
		100–104	CYAN
		105–109	CYAN + CTO 260
		110–114	CTO 260
		115–119	CTO 260 + CTO 190
		120–124	CTO 190
		125–129	CTO 190 + CTB 8000
		130–134	CTB 8000
		135–139	CTB 8000 + BLUE
		140–144	BLUE
		145–149	BLUE + WHITE
		150–255	SLOW ROTATION to FAST ROTATION
2	Strobe	0–3	CLOSED
		4–250	SLOW STROBE to FAST STROBE

CH	Function	DMX	Description
		251–255	OPEN
3	Dimmer	0–255	0% to 100%
4	Gobo	0–4	WHITE
		5–9	GOBO 1
		10–14	GOBO 2
		15–19	GOBO 3
		20–24	GOBO 4
		25–29	GOBO 5
		30–34	GOBO 6
		35–39	GOBO 7
		40–44	GOBO 8
		45–49	GOBO 9
		50–54	GOBO 10
		55–59	GOBO 11
		60–64	GOBO 12
		65–69	GOBO 13
		70–74	GOBO 14
		75–79	GOBO 15
		80–84	GOBO 16
		85–89	GOBO 17
		90–129	FAST ROTATION to SLOW ROTATION
		130–134	STOP
		135–170	SLOW ROTATION to FAST ROTATION
		171–175	GOBO 1 SHAKE, SLOW SPEED to FAST SPEED
		176–180	GOBO 2 SHAKE, SLOW SPEED to FAST SPEED
		181–185	GOBO 3 SHAKE, SLOW SPEED to FAST SPEED
		186–190	GOBO 4 SHAKE, SLOW SPEED to FAST SPEED
		191–195	GOBO 5 SHAKE, SLOW SPEED to FAST SPEED
		196–200	GOBO 6 SHAKE, SLOW SPEED to FAST SPEED
		201–205	GOBO 7 SHAKE, SLOW SPEED to FAST SPEED
		206–210	GOBO 8 SHAKE, SLOW SPEED to FAST SPEED
		211–215	GOBO 9 SHAKE, SLOW SPEED to FAST SPEED
		216–220	GOBO 10 SHAKE, SLOW SPEED to FAST SPEED
		221–225	GOBO 11 SHAKE, SLOW SPEED to FAST SPEED
		226–230	GOBO 12 SHAKE, SLOW SPEED to FAST SPEED
		231–235	GOBO 13 SHAKE, SLOW SPEED to FAST SPEED
		236–240	GOBO 14 SHAKE, SLOW SPEED to FAST SPEED
		241–245	GOBO 15 SHAKE, SLOW SPEED to FAST SPEED
		246–250	GOBO 16 SHAKE, SLOW SPEED to FAST SPEED
		251–255	GOBO 17 SHAKE, SLOW SPEED to FAST SPEED
5	Prism 1	0–127	PRISM EXCLUDED
		128–255	PRISM INSERTED

CH	Function	DMX	Description
6	Prism 1 Rotation	0–127	POSITION
		128–190	FAST ROTATION to SLOW ROTATION
		191–192	STOP
		193–255	SLOW ROTATION to FAST ROTATION
7	RFU	0–255	RFU (none)
8	Frost	0–127	FROST EXCLUDED
		128–255	FROST INSERTED
9	Focus	0–255	Focus 0% to Focus 100%
10	Pan	0–255	Pan
11	Pan Fine	0–255	Fine adjustment of CH 10
12	Tilt	0–255	Tilt
13	Tilt Fine	0–255	Fine adjustment of CH 12
14	Macro Function	0–255	Macro function
15	Reset	0–25	UNUSED RANGE / invalid area
		26–76	EFFECTS RESET / Small motor reset
		77–127	PAN/TILT RESET / Large motor (XY axis) reset
		128–255	COMPLETE RESET / Reset all motors
16	Lamp Control	0–9	UNUSED RANGE
		10–100	LAMP OFF
		101–255	LAMP ON

Mode 20CH

16-bit parameters use two channels, coarse and fine: value = 256 × coarse value + fine value.

CH	Function	DMX	Description
1	Colors	0–4	WHITE
		5–9	WHITE + RED
		10–14	RED
		15–19	RED + ORANGE
		20–24	ORANGE
		25–29	ORANGE + AQUAMARINE
		30–34	AQUAMARINE
		35–39	AQUAMARINE + GREEN
		40–44	GREEN
		45–49	GREEN + LIGHT GREEN
		50–54	LIGHT GREEN
		55–59	LIGHT GREEN + LAVENDER
		60–64	LAVENDER
		65–69	LAVENDER + PINK
		70–74	PINK
		75–79	PINK + YELLOW
		80–84	YELLOW
		85–89	YELLOW + MAGENTA

CH	Function	DMX	Description
		90–94	MAGENTA
		95–99	MAGENTA + CYAN
		100–104	CYAN
		105–109	CYAN + CTO 260
		110–114	CTO 260
		115–119	CTO 260 + CTO 190
		120–124	CTO 190
		125–129	CTO 190 + CTB 8000
		130–134	CTB 8000
		135–139	CTB 8000 + BLUE
		140–144	BLUE
		145–149	BLUE + WHITE
		150–255	SLOW ROTATION to FAST ROTATION
2	Strobe	0–3	CLOSED
		4–250	SLOW STROBE to FAST STROBE
		251–255	OPEN
3	Dimmer	0–255	0% to 100%
4	Gobo	0–4	WHITE
		5–9	GOBO 1
		10–14	GOBO 2
		15–19	GOBO 3
		20–24	GOBO 4
		25–29	GOBO 5
		30–34	GOBO 6
		35–39	GOBO 7
		40–44	GOBO 8
		45–49	GOBO 9
		50–54	GOBO 10
		55–59	GOBO 11
		60–64	GOBO 12
		65–69	GOBO 13
		70–74	GOBO 14
		75–79	GOBO 15
		80–84	GOBO 16
		85–89	GOBO 17
		90–129	FAST ROTATION to SLOW ROTATION
		130–134	STOP
		135–170	SLOW ROTATION to FAST ROTATION
		171–175	GOBO 1 SHAKE, SLOW SPEED to FAST SPEED
		176–180	GOBO 2 SHAKE, SLOW SPEED to FAST SPEED
		181–185	GOBO 3 SHAKE, SLOW SPEED to FAST SPEED
		186–190	GOBO 4 SHAKE, SLOW SPEED to FAST SPEED

CH	Function	DMX	Description
		191–195	GOBO 5 SHAKE, SLOW SPEED to FAST SPEED
		196–200	GOBO 6 SHAKE, SLOW SPEED to FAST SPEED
		201–205	GOBO 7 SHAKE, SLOW SPEED to FAST SPEED
		206–210	GOBO 8 SHAKE, SLOW SPEED to FAST SPEED
		211–215	GOBO 9 SHAKE, SLOW SPEED to FAST SPEED
		216–220	GOBO 10 SHAKE, SLOW SPEED to FAST SPEED
		221–225	GOBO 11 SHAKE, SLOW SPEED to FAST SPEED
		226–230	GOBO 12 SHAKE, SLOW SPEED to FAST SPEED
		231–235	GOBO 13 SHAKE, SLOW SPEED to FAST SPEED
		236–240	GOBO 14 SHAKE, SLOW SPEED to FAST SPEED
		241–245	GOBO 15 SHAKE, SLOW SPEED to FAST SPEED
		246–250	GOBO 16 SHAKE, SLOW SPEED to FAST SPEED
		251–255	GOBO 17 SHAKE, SLOW SPEED to FAST SPEED
5	Prism 1	0–127	PRISM EXCLUDED
		128–255	PRISM INSERTED
6	Prism 1 Rotation	0–127	POSITION
		128–190	FAST ROTATION to SLOW ROTATION
		191–192	STOP
		193–255	SLOW ROTATION to FAST ROTATION
7	RFU	0–255	RFU (none)
8	Frost	0–127	FROST EXCLUDED
		128–255	FROST INSERTED
9	Focus	0–255	Focus 0% to Focus 100%
10	Pan	0–255	Pan
11	Pan Fine	0–255	Fine adjustment of CH 10
12	Tilt	0–255	Tilt
13	Tilt Fine	0–255	Fine adjustment of CH 12
14	Macro Function	0–255	Macro function
15	Reset	0–25	UNUSED RANGE / invalid area
		26–76	EFFECTS RESET / Small motor reset
		77–127	PAN/TILT RESET / Large motor (XY axis) reset
		128–255	COMPLETE RESET / Reset all motors
16	Lamp Control	0–9	UNUSED RANGE
		10–100	LAMP OFF
		101–255	LAMP ON
17	Pan/Tilt Time	0–255	FAST SPEED to SLOW SPEED
18	Color Time	0–255	FAST SPEED to SLOW SPEED
19	Dimmer - Prism - Frost Time	0–255	FAST SPEED to SLOW SPEED
20	Gobo Time	0–255	FAST SPEED to SLOW SPEED

7 Technical specifications

Parameter	Value
Head type	7R Beam 230 W
Light source	discharge lamp Kayn 7 R MSD 230 W
DMX channels	16/20
Controls	touchscreen LCD display (16 million colors)
Power supply	AC 100 – 240 V, 50 / 60 Hz
Total power	350 W
Fuse	7 A
Dimensions	410 x 320 x 440 mm (L x W x H)
Weight	16 000 g

8 Maintenance and cleaning

- Before cleaning and maintenance, switch the device off, disconnect it from the power supply and let it cool down.
- Clean the housing with a soft, dry or slightly damp cloth. Do not use solvents, abrasive cleaners or pressure washers, and make sure no liquid gets into the device.
- Clean optical parts (lenses, front glass), if the device has any, with a soft lint-free cloth and a cleaner intended for optics or glass.
- Regularly inspect the housing, cables, connectors and fixings. Have damaged parts replaced by a service center.
- How often to clean depends on the environment; dust, smoke and fog make the device dirty much faster.

9 Troubleshooting

- The device does not switch on – check the supply voltage, the cables and the fuse, if the device has one.
- The device does not respond to DMX – check the start address, the selected DMX mode and whether it matches the profile in the controller, the cable connection to DMX IN, and the controller output (universe).
- The device behaves erratically or flickers – check the terminator at the end of the line, the condition and wiring of the cables (shield on pin 1 only), the number of devices on the line (32 at most), and that the line is not split without a splitter.
- Only some devices on the line respond – check the cable and connectors between the last working and the first non-working device, and make sure all devices on the line are switched on.
- Devices respond to the wrong channels or affect each other – check that the addresses do not overlap and that the DMX mode on the devices matches the patch in the controller.
- The device or the connected load does not light up although it receives DMX – check the values of the dimmer, shutter and strobe channels against the DMX channel table.
- Movement is reversed – check whether Pan/Tilt inversion is enabled in the device menu or in the controller.
- Moving parts do not reach the correct position after power-on or transport – switch the device off and on again to reset the position, and make sure the transport lock, if any, is released. If this does not help, contact a service center.

- Movement is jerky – check the value of the Pan/Tilt speed channel, if the device has one, and the stability of the DMX signal.

Problem	Remedy
Motor reset failed, serial port error	Check the driver board and the serial communication line connecting the display board to the driver board.
X-axis reset failed	Check the X-axis photoelectric switch and X-axis motor.
Y-axis reset failed	Check the Y-axis photoelectric switch and Y-axis motor.
X-axis Hall error	Check the X-axis Hall sensor.
Y-axis Hall error	Check the Y-axis Hall sensor.
Color wheel reset failed	Check the color wheel Hall sensor and color wheel motor.
Gobo wheel reset failed	Check the gobo Hall sensor and gobo motor.
Focus reset failed	Check the focus Hall sensor and focus motor.
Prism focus reset failed	Check the prism focus Hall sensor and prism focus motor.
Lamp control failed	Check the igniter, ballast, or lamp bulb.
Lamp runtime has exceeded the limit. Please replace the lamp bulb.	Replace the lamp bulb, then clear the bulb runtime counter in the "Advanced" menu.

10 Disposal

The crossed-out wheeled bin symbol on the product, in the manual or on the packaging means that the product must not be disposed of with unsorted household waste at the end of its life.

Take the end-of-life equipment to a collection point, for example a municipal collection site or a retailer. Proper disposal enables materials to be recycled and helps prevent possible negative effects on the environment and human health.

Follow the regulations applicable in your country; in the Czech Republic, take-back is governed by Act No. 542/2020 Coll., on End-of-Life Products.

SOH Sound & Lights s.r.o. provides take-back through the collective compliance scheme ASEKOL a.s. (Československého exilu 2062/8, 143 00 Praha 4 – Modřany, www.asekol.cz).

Recycle the packaging materials according to their type.

11 Warranty and service

For products purchased from SOH, a buyer who is a consumer may, under the Czech Civil Code, notify the seller of a defect that becomes apparent within 24 months of taking delivery; this statutory right is not affected by any warranty. Defect claims for these products and out-of-warranty repairs are handled by sending the goods to SOH's premises or bringing them in person: SOH, Antala Staška 242/14, 140 00 Praha 4, Czech Republic. Further information (in Czech) is available at eshop.soh.cz/casto-kladene-otazky.

Statutory rights in respect of defects and the warranty are governed by applicable law and the seller's terms and conditions.

Submit any claim to the seller from whom you purchased the product. Enclose proof of purchase and as precise a description of the fault as possible.

Neither the statutory rights nor the warranty cover defects caused by the buyer, for example by installation or operation contrary to this manual, mechanical damage or unskilled tampering. Wear caused by normal use is not a defect either.

Service and technical support are provided by SOH Sound & Lights s.r.o., Antala Staška 242/14, 140 00 Praha 4.

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