

USER MANUAL

# Animation RGB laser 4 W, 25 kpps, DMX, ILDA, analogue

## LASER265



**Code** LASER265

## 1 About this manual

This user manual applies to the product Animation RGB laser 4 W, 25 kpps, DMX, ILDA, analogue (code LASER265).

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.

## 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: Bi-Voltage 110 V to 220 V - 250 V, 50/60 Hz, 50 W. 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.
- 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.

### DANGER

- This device is a Class 4 laser product according to IEC/EN 60825-1.
- Laser radiation can cause permanent eye damage, even from brief exposure to a direct or

reflected beam. Never look into the beam or the laser aperture, even if the laser appears to be off.

- Never aim the beam at people, animals, aircraft, vehicles or windows, and do not view it through optical instruments (binoculars, camera lenses).
- The operator is responsible for the safe operation of the laser and must ensure that the maximum permissible exposure (MPE) to laser radiation is not exceeded anywhere people may be present (operators, performers, audience) and that operation complies with the regulations applicable at the place of use; in the Czech Republic, these limits are set by Government Regulation No. 291/2015 Coll., on the protection of health against non-ionizing radiation.
- The laser may be operated only by an instructed person who keeps the beam paths under control at all times and can stop the emission immediately, for example by disconnecting the power. Never leave the laser running unattended.
- Do not modify the laser in any way; modifications can increase the emitted power and change the laser class. Do not remove the warning labels on the device and keep them legible.

**DANGER** Class 4 laser product – avoid eye or skin exposure to direct or scattered radiation. Both the direct beam and its reflections are hazardous, including diffuse reflections from matte surfaces. The beam can burn the skin and ignite flammable materials.

**DANGER** Laser radiation can cause instant eye injury or blindness if laser light directly strikes the eyes. Never intentionally expose your eyes or others to direct laser radiation.

**DANGER** It is illegal and dangerous to shine this laser into audience areas where people can be struck by direct laser beams or bright reflections.

**DANGER** This unit contains internal high-power laser devices. Do not open the laser housing due to potential exposure to unsafe levels of laser radiation that can cause instant blindness, skin burns, and fires.

**CAUTION** Do not expose the output optics (aperture) to cleaning chemicals.

**CAUTION** The maximum ambient temperature (Ta) is 104 °F (40 °C). Do not operate the fixture at a higher temperature.

## 3 Product description

High-quality animation RGB laser.

### Package contents

- Animation RGB laser 4 W, 25 kpps, DMX, ILDA, analogue
- Power cable
- Flight case
- Hanging bracket
- User manual
- Safety key

## 4 Installation

### WARNING

- Install the laser in a fixed, stable position and secure it against shifting and falling so that the

beam paths cannot change unexpectedly.

- In areas accessible to people, keep all beams at least 3 m above the floor. Aiming beams into the audience (audience scanning) is permissible only on the basis of a competent assessment showing that the maximum permissible exposure is not exceeded.
- Remove mirrors, glass, shiny metal and other reflective surfaces from the beam paths. Terminate beams on matte, non-flammable surfaces.
- Outdoors, do not project beams into open airspace; laser projection into airspace may require permission from the aviation authority (in the Czech Republic, the Civil Aviation Authority).
- Before switching the laser on, make sure that nobody is in the beam path.

#### 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: 6.7 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.

Conduct a site survey to assess the likelihood of reflective surfaces bouncing stray beams into the audience.

Fasten clamps to the fixture and secure it tightly to a sturdy ceiling hook.

Install the projector at a safe distance of at least 0.5 meters.

## 5 Connections

- Use shielded cable designed for DMX512 with an impedance of 110  $\Omega$ . 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  $\Omega$ , 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.

| Connector                               | Purpose                                              |
|-----------------------------------------|------------------------------------------------------|
| Power IN (PowerCON)                     | Main power input                                     |
| ILDA IN/OUT (DB25)                      | ILDA interface for computer control input and output |
| ILDA computer control connection (RJ45) | ILDA computer control connection                     |

| Connector                     | Purpose                                                             |
|-------------------------------|---------------------------------------------------------------------|
| DMX IN/OUT (3-pin XLR)        | DMX or linking jack                                                 |
| DMX control connection (RJ45) | DMX control connection                                              |
| Remote interlock              | Connector for an external emergency stop or remote safety interlock |

## 6 Operation

### Switching on and off

- Connect the laser fixture to the wall outlet using the power cable.
- Set the power switch to the ON position.
- Turn the key in the key switch to the ON position.
- Connect the remote interlock if necessary.

### Control panel

| Button | Function                                                                                                                         |
|--------|----------------------------------------------------------------------------------------------------------------------------------|
| MENU   | Function mode selection, such as DMX512/Master/Slave, auto strobe, sound-active strobe, constant light on, brightness adjustment |
| UP     | Previous or next, increase or decrease                                                                                           |
| DOWN   | Previous or next, increase or decrease                                                                                           |
| ENTER  | Confirm and save the selection                                                                                                   |

### Switches and indicators

| Control                  | Function                                                           |
|--------------------------|--------------------------------------------------------------------|
| Power switch ON/OFF      | Powers the unit on or off                                          |
| Key switch ON/OFF        | Laser safety key switch for compliance with laser safety standards |
| Sound-active microphone  | Detects ambient sound and low bass frequencies                     |
| Sound sensitivity knob   | Adjusts microphone sensitivity for sound mode                      |
| Sound mode LED indicator | Indicates sound activation                                         |
| DMX signal indicator     | Indicates DMX signal reception                                     |
| Power supply indicator   | Indicates the fixture is receiving power                           |

### Display menu

| Code           | Values                                                                                                        | Function                                                                                  |
|----------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Work Mode Set  |                                                                                                               | Operating mode selection. Selects the operating mode.                                     |
| – Auto         |                                                                                                               | Auto mode. Runs automatically as a master unit and sends signals to slave units.          |
| – Sound        |                                                                                                               | Sound mode. Responds to external music as a master unit and sends signals to slave units. |
| – Dmx512       |                                                                                                               | DMX512 mode. Controls the fixture via DMX512 signals.                                     |
| – Slave        |                                                                                                               | Slave mode. Runs synchronously with signals from the master unit.                         |
| – Dimming      |                                                                                                               | Dimming mode. Used for factory beam alignment testing or user installation testing.       |
| Address Set    | 001–512                                                                                                       | DMX512 address setting. Sets the DMX512 start address from 001 to 512.                    |
| Graph Mode Set | Beam Mixed, Sheets, Circles, Waves, Boxes, Points, Cartoon Mixed, KTV, Halloween, Christmas, Wedding, Animals | Graphics mode selection. Selects the graphic pattern group.                               |
| Code           | Values                                                                                                        | Function                                                                                  |

|                  |                                                        |                                                                                                |
|------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Invert Mode Set  | Invert No, Invert X, Invert Y, Invert XY, Swap X<--->Y | Invert mode setting. Inverts or swaps the projection axes.                                     |
| Lasers Type Set  | Signal, Double, Full RGB                               | Laser color mode setting. Sets the laser color output mode to single, dual, or full RGB color. |
| Color Type Set   | Analog, TTL                                            | Modulation type setting. Selects analog or TTL laser modulation.                               |
| Graph Size Set   | 0---255                                                | Graphic size setting. Adjusts the projected graphic size.                                      |
| Scan SpeedSet    | 10K---40K                                              | Scanner speed setting. Sets the scanner speed rate in increments of 1K.                        |
| Velocity Set     | Slow, Medium, Fast                                     | Speed setting. Sets the movement speed.                                                        |
| Sensiti-vity Set | 0---100                                                | Sound sensitivity setting. Sets the sound sensitivity from low to loud.                        |

### Auto mode

Automatically cycles through the built-in programs without external control. The light never turns off.

- Press MENU to navigate to Work Mode Set, press ENTER, use UP or DOWN to select Auto, and press ENTER.

### Sound mode

Controls pattern changes according to sound rhythm via the internal microphone.

- Press MENU to navigate to Work Mode Set, press ENTER, use UP or DOWN to select Sound, and press ENTER.

### DMX mode

Operates via an international standard DMX-512 console signal.

- Press MENU to navigate to Work Mode Set, press ENTER, use UP or DOWN to select Dmx512, and press ENTER.

### ILDA mode

Operates using PC software (e.g., Pangolin, Phoenix, Mamba) connected via a DB25 or RJ45 ILDA interface. Automatically switches to PC control when connected. The laser and scanner shut off for protection if no ILDA signal is present.

### Setting the DMX address

- Navigate to Address Set and press ENTER to access the DMX512 address setting.
- Press UP or DOWN to increase or decrease the address value by 1 each time.
- Press ENTER to save the setting.
- Press MENU to return to the previous setting.
- 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 19CH mode: 19.
- 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 19CH mode, you can use, for example, the start addresses 1, 20, 39, 58.
- The DMX mode set on the device must match the fixture profile (personality) used in the controller.

### Master/Slave mode

- Install the units in a suitable position (flat on a surface or suspended).
- On the master unit, select Sound Active or Auto mode.
- On the other units, select Slave mode.
- Turn on the power to all units.

- In Master/Slave mode, one device (Master) controls the other devices (Slaves), which copy its behavior in sync. No controller is needed.
- Connect the devices with DMX cable in a daisy chain, just as for control from a desk (DMX OUT to the DMX IN of the next device), and terminate the end of the line.
- On the master device, select the desired standalone mode (auto mode or sound mode, depending on the device), and set all other devices to Slave mode.
- Only one master device may be on the line; do not connect a DMX controller to the line in Master/Slave mode.
- For reliable synchronization, link only devices of the same type.

**NOTE** The laser scanner board turns off laser emission automatically when the scan angle is less than 1 degree.

**NOTE** The scan speed configured in the software must not exceed the scanner's hardware speed; otherwise, patterns may distort or the built-in scanner protection circuit may trip.

**NOTE** A DMX console cannot be used during Master/Slave operation.

**NOTE** There must be only one Master unit in a Master/Slave chain.

## 7 DMX channels

| Mode | Channels |
|------|----------|
| 19CH | 19       |

### Mode 19CH

| CH | Function                    | DMX     | Description                                             |
|----|-----------------------------|---------|---------------------------------------------------------|
| 1  | Mode                        | 0–63    | Close, laser OFF                                        |
|    |                             | 64–127  | Sound mode                                              |
|    |                             | 128–191 | AUTO                                                    |
|    |                             | 192–255 | DMX                                                     |
| 2  | Pattern                     | 0–127   | Geometric animations                                    |
|    |                             | 128–255 | Cartoon Animation                                       |
| 3  | Red                         | 0–3     | Brightest                                               |
|    |                             | 4–131   | Dark to Bright                                          |
|    |                             | 132–191 | AUTO brightness +                                       |
|    |                             | 192–255 | Sections brightness +                                   |
| 4  | Green                       | 0–3     | Brightest                                               |
|    |                             | 4–131   | Dark to Bright                                          |
|    |                             | 132–191 | AUTO brightness +                                       |
|    |                             | 192–255 | Sections brightness +                                   |
| 5  | Blue                        | 0–3     | Brightest                                               |
|    |                             | 4–131   | Dark to Bright                                          |
|    |                             | 132–191 | AUTO brightness +                                       |
|    |                             | 192–255 | Sections brightness +                                   |
| 6  | Group 1, Patterns Selection | 0–3     | OFF                                                     |
|    |                             | 4–255   | 96 kinds of static patterns / Cartoon animations        |
|    |                             |         | Values depend on Channel 2 mode (Geometric vs Cartoon). |
| 7  | Group 1, Color Settings     | 0–127   | Blackout--W--R--Y--G--C(GB)--B--P(RB)                   |
|    |                             | 128–143 | R-G-B change in random                                  |
|    |                             | 144–175 | R-G-B-Y-C-P-W flowing                                   |
|    |                             | 176–207 | Animation all 7 colors AUTO change                      |
|    |                             | 208–255 | R-G-B-Y-C-P-W Color AUTO change                         |
| 8  | Gobo 2                      | 0–63    | Blackout                                                |
|    |                             | 64–255  | 96 kinds of Geometric animations                        |
| 9  | Group 2, Color Settings     | 0–127   | Blackout--W--R--Y--G--C(GB)--B--P(RB)                   |
|    |                             | 128–143 | R-G-B change in random                                  |
|    |                             | 144–175 | R-G-B-Y-C-P-W flowing                                   |
|    |                             | 176–207 | Animation all 7 colors AUTO change                      |
|    |                             | 208–255 | R-G-B-Y-C-P-W Color AUTO change                         |
| 10 | 2 Groups Animations         | 0–20    | Single animation (group 1)                              |
|    |                             | 21–41   | X Mirror Symmetry                                       |

| CH | Function              | DMX     | Description                                         |
|----|-----------------------|---------|-----------------------------------------------------|
|    |                       | 42–62   | Y Mirror Symmetry                                   |
|    |                       | 63–83   | X/Y Mirror Symmetry simultaneously                  |
|    |                       | 84–104  | Zoom In/Out Mirror Symmetry                         |
|    |                       | 105–125 | Only Group 2 patterns left/right moving, group 2 no |
|    |                       | 126–146 | Only Group 2 patterns zoom in/out, group 2 no       |
|    |                       | 147–167 | Only group 2 patterns rotate, group 2 no            |
|    |                       | 168–188 | Rotation mirror symmetry                            |
|    |                       | 189–209 | Group 1 no Y moving, group 2 no X moving            |
|    |                       | 210–230 | Group 1 no X/Y moving, but group 2 X/Y moving       |
|    |                       | 231–251 | Group 1 no Y dimmer, group 2 no X dimmer            |
|    |                       | 252–255 | Group 1 no X moving, group 2 no Y moving            |
| 11 | Pan                   | 0–127   | Manual to left/right moving                         |
|    |                       | 128–160 | Auto to left moving                                 |
|    |                       | 161–192 | Auto to right moving                                |
|    |                       | 193–224 | Auto to left/right moving                           |
|    |                       | 225–239 | Jumping                                             |
|    |                       | 240–247 | Rhombus shape moving                                |
|    |                       | 248–255 | Top left/right moving                               |
| 12 | Tilt                  | 0–127   | Manual to up/down moving                            |
|    |                       | 128–160 | Auto to down moving                                 |
|    |                       | 161–192 | Auto to up moving                                   |
|    |                       | 193–224 | Auto up/down moving                                 |
|    |                       | 225–231 | Circle shape moving                                 |
|    |                       | 232–239 | Sin shape moving                                    |
|    |                       | 240–247 | Square shape moving                                 |
|    |                       | 248–255 | Bottom corner up/down moving                        |
| 13 | X Dimmer              | 0–127   | Dimmer manual                                       |
|    |                       | 128–255 | Dimmer Auto                                         |
| 14 | Y Dimmer              | 0–127   | Dimmer manual                                       |
|    |                       | 128–255 | Dimmer Auto                                         |
| 15 | Rotation              | 0–127   | Manually rotation                                   |
|    |                       | 128–159 | Auto clockwise rotation                             |
|    |                       | 160–191 | Auto counter clockwise rotation                     |
|    |                       | 192–223 | Clock pendulum effect                               |
|    |                       | 224–255 | Ellipse shape rotation                              |
| 16 | Zoom(+/-)             | 0       | No motion                                           |
|    |                       | 1–159   | Manual zoom(+/-)                                    |
|    |                       | 160–191 | Auto zoom(+)                                        |
|    |                       | 192–223 | Auto zoom(-)                                        |
|    |                       | 224–255 | Auto zoom(-/+)                                      |
| 17 | Sine Wave Fluctuation | 0–63    | No motion                                           |
|    |                       | 64–127  | X fluctuation                                       |

| CH | Function          | DMX     | Description                    |
|----|-------------------|---------|--------------------------------|
|    |                   | 128–191 | Y fluctuation                  |
|    |                   | 192–255 | X/Y fluctuation                |
| 18 | Fluctuation Speed | 0–255   | Fluctuation speed slow to fast |
| 19 | Display Dot       | 0–64    | Manually dot                   |
|    |                   | 65–255  | Auto dot slow to fast          |

## 8 Technical specifications

| Parameter       | Value                                                                       |
|-----------------|-----------------------------------------------------------------------------|
| Beam angle      | up to 90°                                                                   |
| Operating modes | Auto, Sound, Master/Slave linking, DMX512, ILDA                             |
| DMX channels    | 19                                                                          |
| DMX connection  | 3-pin XLR IN/OUT for DMX or Master/Slave connection, RJ45 IN/OUT connectors |
| Controls        | digital LCD display                                                         |
| Power supply    | Bi-Voltage 110 V to 220 V - 250 V, 50/60 Hz, 50 W                           |
| Total power     | 4000 mW, analog                                                             |
| Dimensions      | 323 x 280 x 250 mm                                                          |
| Weight          | 6700 g                                                                      |
| Laser class     | 4                                                                           |
| Diodes          | red 1000 mW, green 1000 mW, blue 2000 mW                                    |
| Scanner         | 25 kpps                                                                     |

## 9 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.

### CAUTION

- Keep the laser aperture window clean; dirt scatters the beam and can create unwanted reflections.
- Clean the window only with the laser switched off and disconnected, using a soft lint-free cloth and an optics cleaner. Do not look into the aperture, even while cleaning.

Wipe down the outer casing using standard glass cleaner and a soft cloth.

Clean the external optics with glass cleaner and a soft cloth (every 20 days).

Dry all parts completely before plugging the unit back in.

## 10 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.

| Problem                                                                                                                                 | Remedy                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power indicator does not light up and the fixture does not work                                                                         | Check the power supply, input voltage, and fuse.                                                                                                                                                     |
| In standalone operation, the power indicator lights up and the sound mode indicator is off, but the light is shut off and does not work | Increase the music volume or increase audio sensitivity using the sensitivity knob. Ensure the unit is set to master mode instead of slave mode.                                                     |
| In Master/Slave operation, the slave unit does not work                                                                                 | Ensure there is only one master unit in the chain and the others are set to slave mode. Disconnect any DMX console. Check that power cables and signal connections are secure and in good condition. |
| In DMX mode, the laser is off and the DMX signal indicator is off                                                                       | Ensure the unit is set to DMX mode and all cable connections are secure.                                                                                                                             |
| In DMX operation, the unit cannot be controlled by the DMX console, but the DMX signal indicator is flashing                            | Ensure the DMX console and the fixture have the same channel/address assigned.                                                                                                                       |
| Unit fails during operation                                                                                                             | Turn off the unit, then turn it back on after 5 minutes.                                                                                                                                             |

## 11 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](http://www.asekol.cz)).

Recycle the packaging materials according to their type.

## 12 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](http://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.

Company ID: 07894791

Web: [www.soh.cz](http://www.soh.cz)

Email: [servis@soh.cz](mailto:servis@soh.cz)

Phone: +420 272 272 500