

USER MANUAL

LED Light Bar RGB Wall, 4x segment, DMX LED059



Code LED059

1 About this manual

This user manual applies to the product LED Light Bar RGB Wall, 4x segment, DMX (code LED059).

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

- 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.

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

WARNING Never connect the light to a dimmer pack.

WARNING Always replace the fuse with the exact same type: 2A/250V.

3 Product description

Package contents

- 1× LED Light Bar RGB Wall, 4x segment, DMX
- 1× Power cable
- 1× User Guide

4 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: 2.5 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.

The unit can be installed in a standing or suspended position.

Use the adjustable bracket to mount and aim the light.

5 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.

Connector	Purpose
Power jack (IEC)	Power input and power linking of up to 10 lights to a single main power source
DMX IN (3-pin XLR)	Receives DMX input signals
DMX OUT (3-pin XLR)	Outputs DMX signals to downstream fixtures

Connector	Purpose
Fuse holder	Holds the 2A/250V fuse

6 Operation

Switching on and off

- Turn on the power using the rear power switch.
- The fixture resets and then begins operation.

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	Turns power ON and OFF
Sensitivity knob	Adjusts audio sensitivity for sound-controlled operation; turn clockwise to increase sensitivity, counter-clockwise to decrease it.
Microphone	Detects low audio frequencies for sound mode
Sound mode indicator LED	Indicates sound-controlled operation
DMX signal indicator	Indicates presence and reception of the DMX signal
Power supply indicator	Indicates power supply status

Display menu

Code	Values	Function
d.001-512		DMX address setting and mode selection. DMX mode and address setting from d.001 to 512.
– d-p1		4-channel DMX mode.
– d-p2		13-channel DMX mode.
– d-p3		2-channel DMX mode.
Auto		Auto mode.
– At.01		Static Red.
– At.02		Static Green.
– At.03		Static Blue.
– At.04		Static Yellow.
– At.05		Static Cyan.
– At.06		Static Purple.
– At.07		Static White.
– At.08		Auto program 08.
– At.09		Auto program 09.
– At.10		Auto program 10.
– At.11		Auto program 11.

Code	Values	Function
– At.12		Auto program 12.
– At.13		Auto program 13.
– At.14		Auto program 14.
– At.15		Auto program 15.
– At.16		Auto program 16.
– At.17		Auto program 17.
– At.18		Auto program 18.
– At.19		Auto program 19.
– At.20		Auto program 20.
– At.21		Sound mode 01.
– At.22		Sound mode 02.
Edit		Edit mode. User-editable program settings.
– Pr.01	S.000-255	Static Red speed/dimmer.
– Pr.02	S.000-255	Static Green speed/dimmer.
– Pr.03	S.000-255	Static Blue speed/dimmer.
– Pr.04	S.000-255	Dimmer speed / program 04. Dimmer speed from slow to fast for program 04.
– Pr.05	S.000-255	Dimmer speed / program 05. Dimmer speed from slow to fast for program 05.
– Pr.06	S.000-255	Dimmer speed / program 06. Dimmer speed from slow to fast for program 06.
– Pr.07	S.000-255	Dimmer speed / program 07. Dimmer speed from slow to fast for program 07.
– Pr.08	S.000-255	Dimmer speed / program 08. Dimmer speed from slow to fast for program 08.
– Pr.09	S.000-255	Dimmer speed / program 09. Dimmer speed from slow to fast for program 09.
– Pr.10	S.000-255	Dimmer speed / program 10. Dimmer speed from slow to fast for program 10.
– Pr.11	S.000-255	Dimmer speed / program 11. Dimmer speed from slow to fast for program 11.
– Pr.12	S.000-255	Dimmer speed / program 12. Dimmer speed from slow to fast for program 12.
– Pr.13	S.000-255	Dimmer speed / program 13. Dimmer speed from slow to fast for program 13.
– Pr.14	S.000-255	Dimmer speed / program 14. Dimmer speed from slow to fast for program 14.
– Pr.15	S.000-255	Dimmer Speed / Program 15. Dimmer speed from slow to fast for program 15.
– Pr.16	S.000-255	Dimmer Speed / Program 16. Dimmer speed from slow to fast for program 16.
– Pr.17	S.000-255	Speed setting for sound mode 01.
– Pr.18	S.000-255	Speed setting for sound mode 02.
Slav		Slave mode operation.

Sound mode

The change of light pattern is controlled by the music rhythm. Turn the sensitivity knob clockwise to increase sound sensitivity and counter-clockwise to decrease it. The LEDs turn off automatically after 8 seconds when the music stops.

Auto mode

Auto mode cycles through built-in programs without external control. It does not turn the light off.

DMX mode

Allows control of the unit using an external universal DMX-512 console.

Setting the DMX address

- 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 d-p2 (13CH) mode: 13.
- 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 d-p2 (13CH) mode, you can use, for example, the start addresses 1, 14, 27, 40.
- 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 (placed flat or suspended).
- Set one unit to Master and the others to Slave mode.
- Turn on the power of all units; they will reset and begin operating.
- Adjust the audio sensitivity knob on the rear of the master unit to adjust the music response in sound mode.
- 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 Up to 10 fixtures can be power-linked to a single mains power outlet.

NOTE Up to 32 units can be linked in Master/Slave mode without an external controller.

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

NOTE There must be only one master unit in Master/Slave operation.

7 DMX channels

Mode	Channels
d-p3 (2CH)	2
d-p1 (4CH)	4
d-p2 (13CH)	13

Mode d-p3 (2CH)

CH	Function	DMX	Description
1	Function	0–9	OFF
		10–19	Red
		20–29	Green
		30–39	Blue
		40–49	Yellow
		50–59	Cyan
		60–69	Purple
		70–79	White
		80–89	PROGRAM04
		90–99	PROGRAM05
		100–109	PROGRAM06
		110–119	PROGRAM07
		120–129	PROGRAM08
		130–139	PROGRAM09
		140–149	PROGRAM10
		150–159	PROGRAM11
		160–169	PROGRAM12
		170–179	PROGRAM13
		180–189	PROGRAM14
		190–199	PROGRAM15
		200–209	PROGRAM16
		210–229	PROGRAM17 (SOUND MODE 01)
		230–255	PROGRAM18 (SOUND MODE 02)
2	Dimmer/Speed	0–255	Dimmer (when CH1 static color) / Speed Slow to Fast (when CH1 program)

Mode d-p1 (4CH)

CH	Function	DMX	Description
1	Master Dimmer	0–255	0–255 Dimmer
2	Red	0–255	0–255 Dimmer
3	Green	0–255	0–255 Dimmer
4	Blue	0–255	0–255 Dimmer

Mode d-p2 (13CH)

CH	Function	DMX	Description
1	Master Dimmer	0–255	0–255 Dimmer
2	Red 1	0–255	0–255 Dimmer
3	Green 1	0–255	0–255 Dimmer
4	Blue 1	0–255	0–255 Dimmer
5	Red 2	0–255	0–255 Dimmer
6	Green 2	0–255	0–255 Dimmer
7	Blue 2	0–255	0–255 Dimmer
8	Red 3	0–255	0–255 Dimmer
9	Green 3	0–255	0–255 Dimmer
10	Blue 3	0–255	0–255 Dimmer
11	Red 4	0–255	0–255 Dimmer
12	Green 4	0–255	0–255 Dimmer
13	Blue 4	0–255	0–255 Dimmer

8 Technical specifications

Parameter	Value
Operating modes	Auto, Sound – built-in microphone allows sound response, Master/Slave modes, controllable via DMX 512 protocol.
Length	1 metr

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.

Periodically use a cleaning tissue to remove dust from the external lenses to optimize light output.

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
The power supply indicator does not light up, and the fixture does not work	Check the power supply, input voltage, and fuse.
In stand-alone operation, the power indicator is lit and the sound active indicator is off, but the light is off and does not work.	Increase the music volume or increase audio sensitivity with the sensitivity knob. Also check whether the unit is set to slave mode, and switch it to master mode.
In Master/Slave operation, the slave unit does not function	Ensure there is only one master in the chain and all other units are set to slave mode. Make sure the unit is operated without a DMX console. Ensure that high-quality power cables and connections are used.
In DMX mode operation, the light is off and the DMX signal indicator is off.	Ensure the DMX mode is configured correctly and the cables are securely connected.

Problem	Remedy
In DMX operation, the unit cannot be controlled by the DMX console, but the DMX signal indicator is flashing	Make sure the DMX console and the fixture share the same channel / address.
The unit fails or freezes.	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).

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.

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

Email: servis@soh.cz

Phone: +420 272 272 500