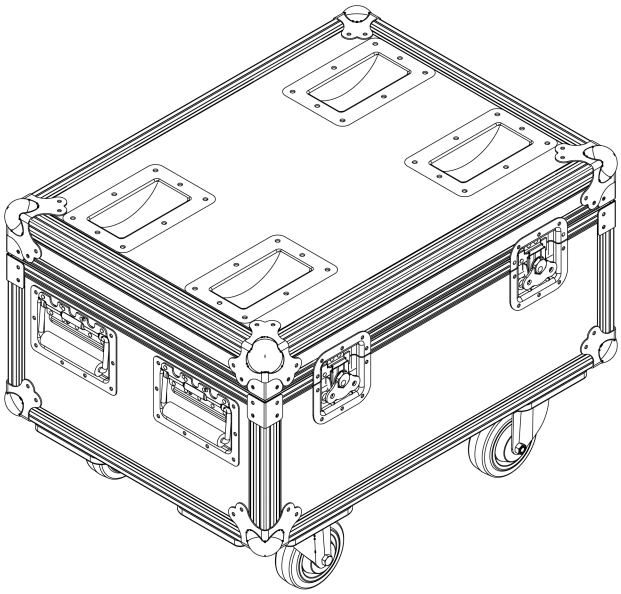
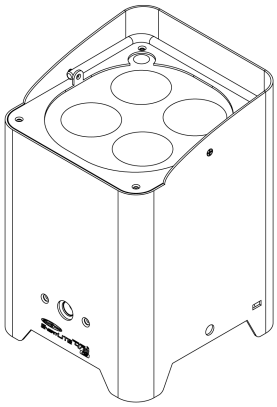
USER MANUAL

ENGLISH

V1.0





EventLITE 4/10 Q6 SET

Product code: 44068

Incl. Charger Case

Preface

Thank you for purchasing this Showtec product.

The purpose of this user manual is to provide instructions for the correct and safe use of this product.

Keep the user manual for future reference as it is an integral part of the product. The user manual shall be stored at an easily accessible location.

This user manual contains information concerning:

- Safety instructions
- Intended and non-intended use of the device
- Installation and operation of the device
- Maintenance procedures
- Troubleshooting
- Transport, storage and disposal of the device

Non-observance of the instructions in this user manual may result in serious injuries and damage of property.

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Highlite International B.V. – Vestastraat 2 – 6468 EX Kerkrade – the Netherlands

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1. Introduction

1.1. Before Using the Product

Important
Read and follow the instructions in this user manual before installing, operating or servicing this product.

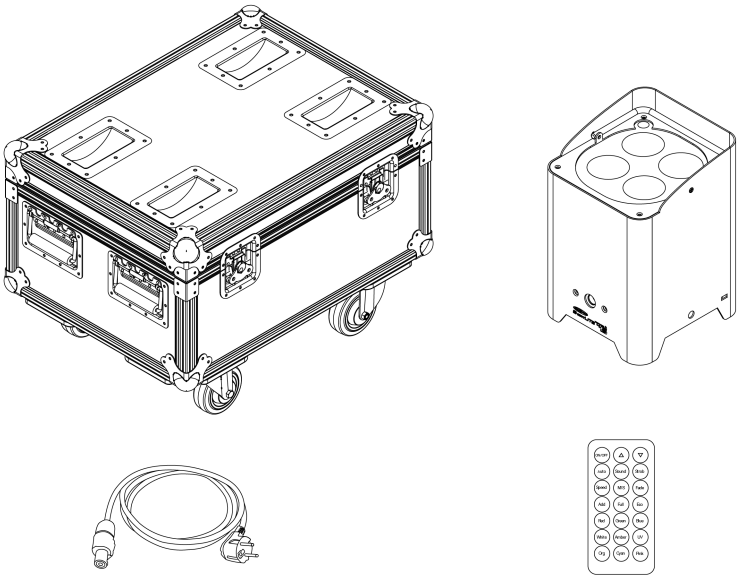
The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual.

After unpacking, check the contents of the box. If any parts are missing or damaged, contact your Highlite International dealer.

Figure 1

Your shipment includes:

- 6 x EventLITE 4/10 Q6
- Charger case for 6 x EventLITE 4/10 Q6
- Schuko to Power Pro cable (1,3 m)
- IR remote
- User manual



1.2. Intended Use

This device is a set of 6 battery-powered spotlights and a charger case. This device is intended for professional use.

The spotlights can be installed indoors and outdoors. They are not suitable for households and for general lighting.

The charger case can be used only indoors.

Any other use, not mentioned under intended use, is regarded as non-intended and incorrect use.

1.3. LEDs Lifespan

The light output of the LEDs gradually decreases over time (lumen depreciation). High operating temperatures contribute to this process. You can extend the lifespan of the LEDs by providing adequate ventilation and operating the LEDs at the lowest possible brightness.

1.4. Text Conventions

Throughout the user manual the following text conventions are used:

- Buttons: All buttons are in bold lettering, for example "Press the **UP/DOWN** buttons"
- References: References to parts of the device are in bold lettering, for example: "turn the **adjustment handle (05)**". References to chapters are hyperlinked
- 0–255: Defines a range of values
- Notes: **Note:** (in bold lettering) is followed by useful information or tips

1.5. Symbols and Signal Words

Safety notes and warnings are indicated throughout the user manual by safety signs.

Always follow the instructions provided in this user manual.



DANGER Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.



Attention Indicates important information for the correct operation and use of the product.



Important Read and observe the instructions in this document.



Electrical hazard



Provides important information about the disposal of this product.

1.6. Symbols on the Information Label

This product is provided with an information label. The information label is located on the base plate of the device.

The information label contains the following symbols:



This device shall not be treated as household waste.



Read and follow the instructions in the user manual before installing, operating or servicing the device.



Do not stare at the light source.

2. Safety



Important
Read and follow the instructions in this user manual before installing, operating or servicing this product.

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual.

2.1. Warnings and Safety Instructions



DANGER
Danger for children

For adult use only. The device must be installed beyond the reach of children.

- Do not leave any parts of the packaging (plastic bags, polystyrene foam, nails, etc.) within the reach of children. Packaging material is a potential source of danger for children.



DANGER
Electric shock caused by dangerous voltage inside

There are areas inside the device where dangerous touch voltage may be present.

- Do not open the device or remove any covers.
- Do not operate the device if the covers or the housing are open. Before operation, check if the housing is firmly closed and all screws are tightly fastened.
- Disconnect the device from the electrical power supply before service and maintenance, and when the device is not in use.



DANGER
Electric shock caused by short-circuit

This device falls under IEC protection Class I.

- Make sure that the device is electrically connected to ground (earth). Connect the device only to a socket-outlet with a ground (earth) connection.
- Do not cover the ground (earth) connection.
- Do not bypass the thermostatic switch or fuses.
- Replace fuses only with the same type and rating.
- Do not let the power cable come into contact with other cables. Handle the power cable and all connections with the mains with caution.
- Do not modify, bend, mechanically strain, put pressure on, pull or heat up the power cable.
- Make sure that the power cable is not crimped or damaged. Examine the power cable periodically for any defects.
- Do not immerse the device in water or other liquids. Do not install the device in a location where flooding may occur.
- Do not use the device during thunderstorms. Disconnect the device from the electrical power supply immediately.



DANGER
Risk of explosion caused by incorrect handling

This device contains a built-in rechargeable lithium-ion battery. The battery is not replaceable. The battery may explode or cause burns if it is crushed, disassembled or exposed to fire or high temperatures.

- Do not open the device and do not attempt to remove the built-in battery.
- Do not disassemble the battery.
- Do not crush or puncture the battery.
- Do not short-circuit the battery.
- Do not expose the battery to water or other liquids.
- Keep the battery away from fire and heat.



WARNING
Risk of epileptic shock

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



Attention
Power supply

- Before connecting the device to the power supply, make sure that the current, voltage and frequency match the input voltage, current and frequency specified on the information label on the device.
- Make sure that the cross-sectional area of the extension cords and power cables is sufficient for the required power consumption of the device.



Attention
General safety

- Do not connect the device to a dimmer pack.
- Do not switch the device on and off in short intervals. This reduces the device's life.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Change the lens or the LEDs if they are visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches. Contact your Highlite International dealer for more information, as servicing can be performed only by instructed or skilled persons.
- If the device is dropped or struck, disconnect the device from the electrical power supply immediately.
- If the device is exposed to extreme temperature variations (e.g. after transportation), do not switch it on immediately. Let the device reach room temperature before switching it on, otherwise it may be damaged by the formed condensation.
- If the device fails to work properly, discontinue use immediately.



Attention
For professional use only
This device must be used only for the purposes it is designed for.

This device is intended for professional use as a charger set including RGBWAUV spots. Any incorrect use may lead to hazardous situations and result in injuries and material damage.

- This device is not suitable for households and for general lighting.
- This device is not designed for permanent operation.
- This device does not contain user-serviceable parts. Unauthorized modifications to the device will render the warranty void. Such modifications may result in injuries and material damage.



Attention
Before each use, examine the device visually for any defects.

Make sure that:

- All screws used for installing the device or parts of the device are tightly fastened and are not corroded.
- The safety devices are not damaged.
- There are no deformations on housings, fixings and installation points.
- The lens is not cracked or damaged.
- The power cables are not damaged and do not show any material fatigue.



Attention
Do not expose the device to conditions that exceed the rated IP class conditions.

The top part of the device is IP54 rated. The bottom part of the device is IP20 rated. IP (Ingress Protection) 54 class provides protections against dust and water splashes. IP (Ingress Protection) 20 class provides protection against solid objects greater than 12 mm, such as fingers, and no protection against harmful ingress of water.

2.2. Requirements for the User

This product may be used by ordinary persons. Maintenance may be carried out by ordinary persons. Installation and service shall be carried out only by instructed or skilled persons. Contact your Highlite International dealer for more information.

Instructed persons have been instructed and trained by a skilled person, or are supervised by a skilled person, for specific tasks and work activities associated with the installation, service and maintenance of this product, so that they can identify risks and take precautions to avoid them.

Skilled persons have training or experience, which enables them to recognize risks and avoid hazards associated with the installation, service and maintenance of this product.

Ordinary persons are all persons other than instructed persons and skilled persons. Ordinary persons include not only users of the product but also any other persons that may have access to the device or who may be in the vicinity of the device.

3. Description of the Device

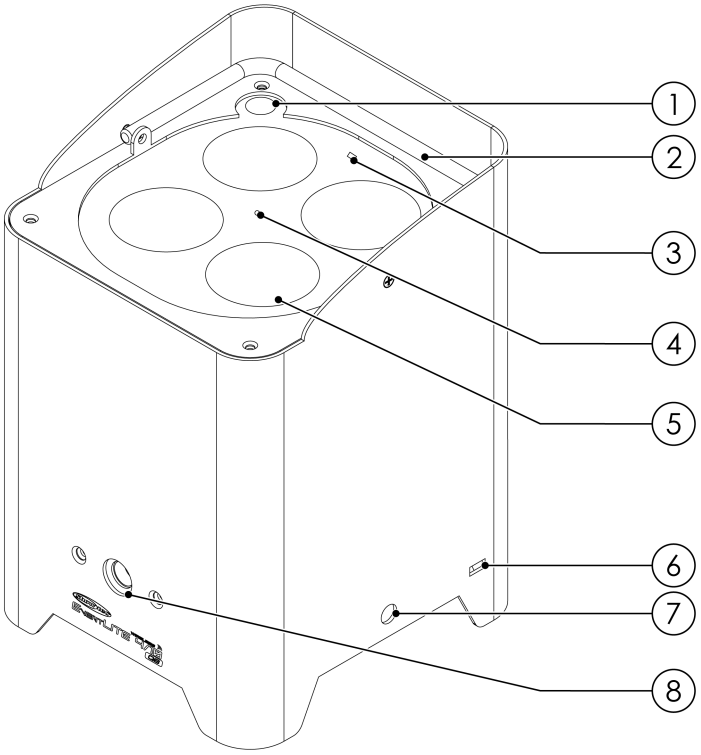
The Showtec EventLITE 4/10 Q6 SET includes 6 EventLITE 4/10 Q6 devices and an IR remote in a flight case (charger case). The Showtec EventLITE 4/10 Q6 devices can be charged in the charger case with the pre-wired, built-in charger.

The Showtec EventLITE 4/10 Q6 is a battery-powered RGBWAUV spot with wireless DMX. The device can be tilted 25°. It includes automated programs, can be daisy-chained in master/slave mode (wired and wireless DMX), and can be operated manually by IR remote controller and by (wireless) DMX.

3.1. EventLITE 4/10 Q6

3.1.1. Front View

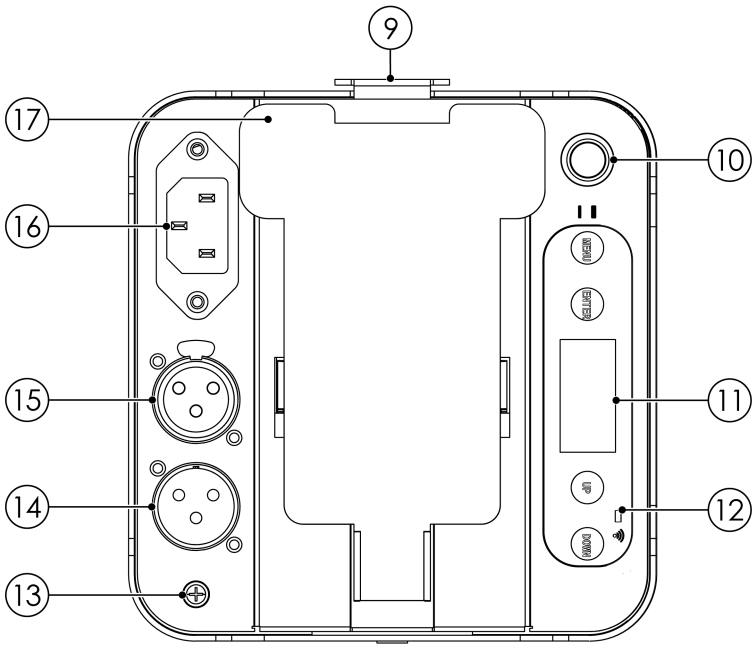
Figure 2



01) Wireless DMX receiving antenna
02) Carrying handle
03) IR sensor
04) Battery LED indicator
05) 4 x 10 W RGBWAUV LEDs
06) Anti-theft lock hole (for laptop lock)
07) Safety eye
08) Mounting hole (M10)

3.1.2. Bottom View

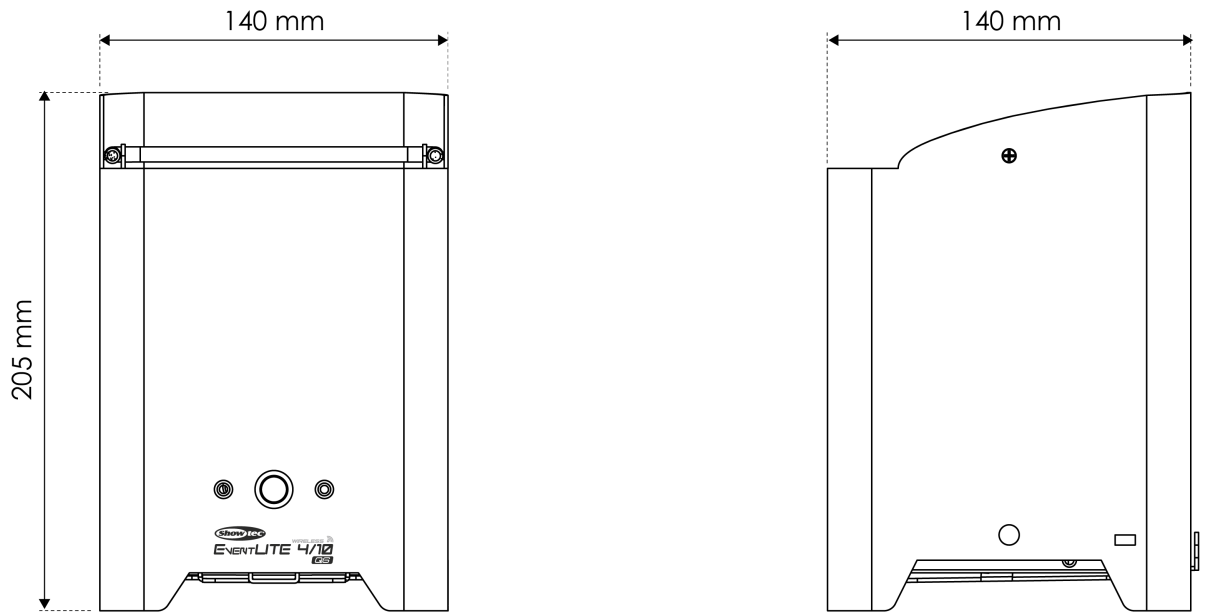
Figure 3



09) Latch
10) Push button switch (ON/OFF)
11) Control panel: OLED display and touch buttons
12) Wireless LED indicator
13) Ground/Earth connection
14) 3-pin DMX signal connector IN
15) 3-pin DMX signal connector OUT
16) IEC power connector IN, 100–240 V AC, 50/60 Hz, with a self-closing cover
17) Support bracket

3.1.3. Dimensions

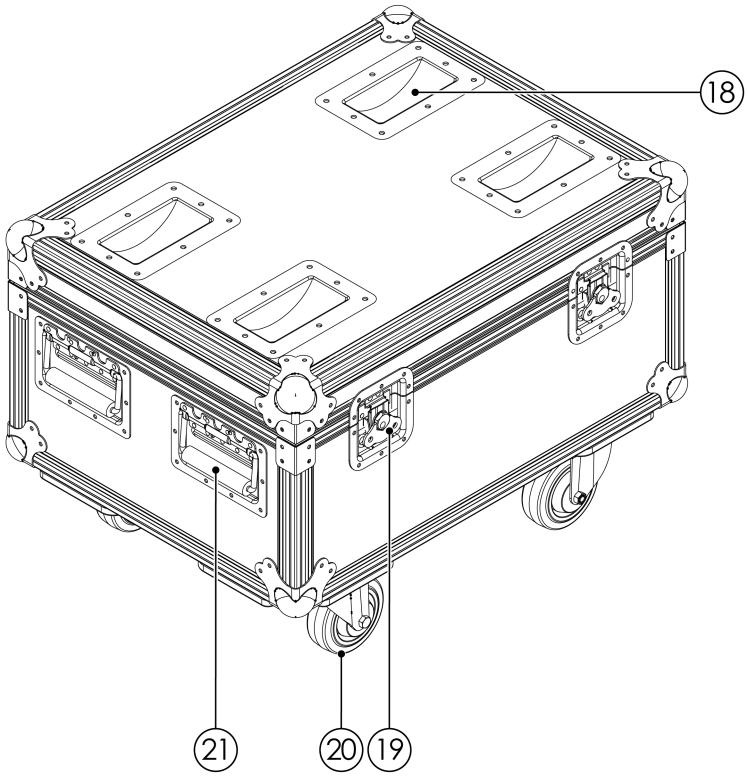
Figure 4



3.2. Charger case for 6 x EventLITE 4/10 Q6

3.2.1. Front View

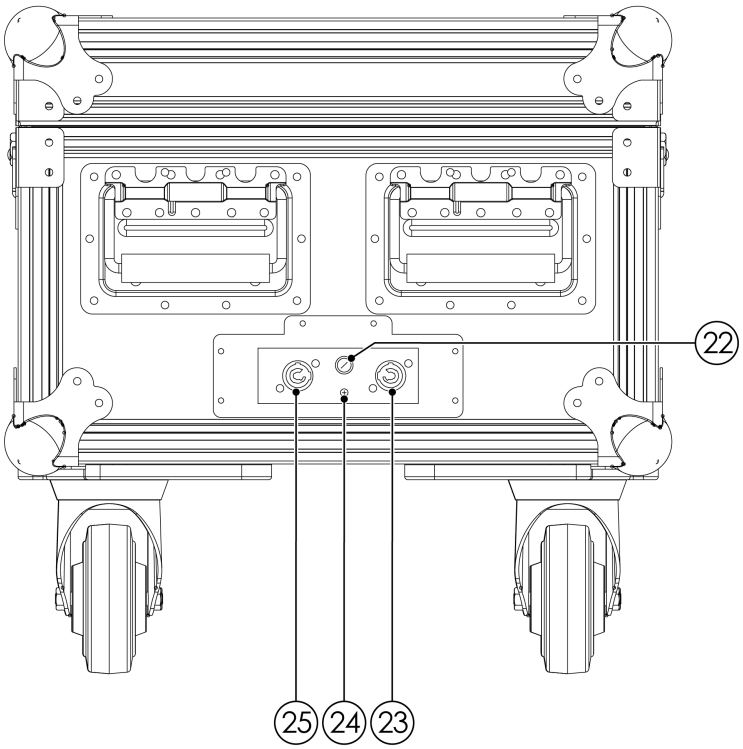
Figure 5



18) 4 x recesses for stacking
19) 2 x butterfly latch
20) 4 x castor wheels
21) 4 x carrying handles

3.2.2. Side View

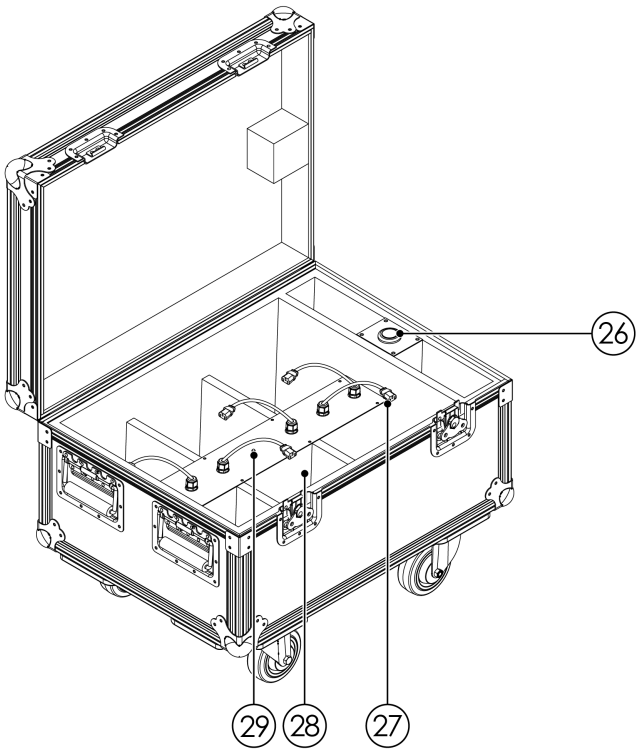
Figure 6



22) Fuse F10AL/250 V
23) Ground/earth connection
24) Power Pro connector OUT (Gray)
25) Power Pro connector IN (Blue)

3.2.3. Interior View

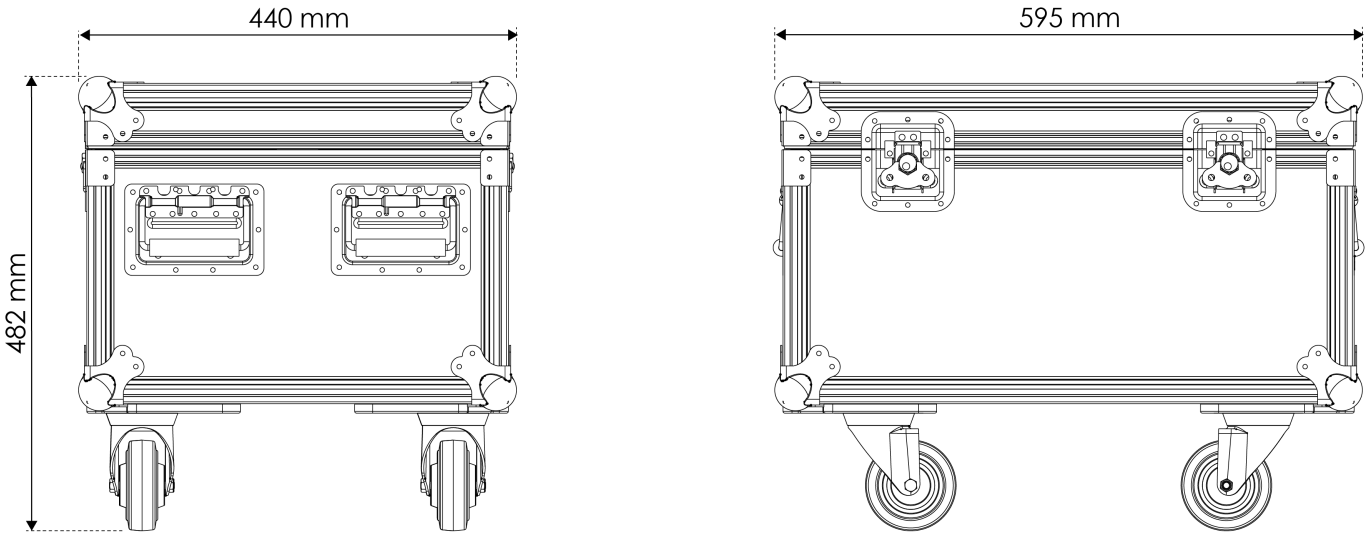
Figure 7



26) Safety switch
27) 6 x fixed power cable (0,2 m) with IEC C13 connector
28) 6 x compartments
29) Power indicator

3.2.4. Dimensions

Figure 8



3.3. Product Specifications

Model:	EventLITE 4/10 Q6 SET

Source:	
Light source type	LED
Light source quantity	4
Light source power	40 W
LED color type	RGBWAUV
Refresh rate	25000 Hz
Luminous flux (total)	1050 lm

Optical:	
Beam angle (circular)	15 °

Wireless Specifications:	
Carrier frequency	2,4 GHz

Battery:	
Battery type	Lithium ion
Battery voltage	14,8 V
Capacity	5,2 Ah
Runtime @full	4 h
Charging time	10 h

Control and Programming:	
Control mode	DMX / Manual / Master slave / Remote / Stand alone
DMX channels	6 / 8 / 11
Protocols	DMX
Wireless	Wireless DMX
Display	OLED

Dynamic Effects:	
Dimmer	0–100 %

Electrical Specifications and Connections:	
Power supply	100–240 V AC 50/60 Hz
Power consumption	160 W
Power connector IN	Power Pro Blue

Mechanical Specifications:	
Length	595 mm
Width	440 mm
Height	482 mm
Weight	40,5 kg
Housing	Aluminum / Flight case / Metal
Color	Black

Product Properties:	
Cooling	Convection

Thermal Specifications:	
Maximum ambient temperature	40 °C

Included Items:	
Included Cables	Power Pro cable

3.4. Optional Accessories

The following optional accessories are available for this product:

- 44062 IR Remote for EventLITE 4/10 Q6
- 44065 Chrome Cover for EventLITE 4/10 Q6
- 44066 White Cover for EventLITE 4/10 Q6

Contact your Highlite International dealer for more information.

4. Installation

4.1. Safety Instructions for Installation



WARNING
Incorrect installation can cause serious injuries and damage of property.

If trussing systems are used, installation must be carried out only by instructed or skilled persons.

Follow all applicable European, national and local safety regulations concerning rigging and trussing.

4.2. Personal Protective Equipment

During installation, deinstallation and rigging wear personal protective equipment in compliance with the national and site-specific regulations.

4.3. Installation Site Requirements

- The device can be used only indoors.
- The device must be installed away from heating sources and direct sunlight.
- The ambient temperature must be in the range -10 and 40 °C.



Attention
Do not expose the device to conditions that exceed the rated IP class conditions.

The top part of the device is IP54 rated. The bottom part of the device is IP20 rated. IP (Ingress Protection) 54 class provides protections against dust and water splashes. IP (Ingress Protection) 20 class provides protection against solid objects greater than 12 mm, such as fingers, and no protection against harmful ingress of water.

4.4. Mounting Options for EventLITE 4/10 Q6

The device can be positioned on a flat surface or mounted to a truss or other rigging structure in any orientation. Make sure that all loads are within the pre-determined limits of the supporting structure.

CAUTION
Restrict the access under the work area during installation.

4.4.1. Upright Installation

Place the device on a flat surface.

You can tilt the device at a maximum angle of 25° to light up an object. To tilt the device, follow the steps below:

01) Press the **latch (09)** to release the **support bracket (17)**.
02) While you keep the **latch (09)** pressed, adjust the angle of the **support bracket (17)**. The adjustment range is 0°–25°.
03) Release the **latch (09)** to lock the **support bracket (17)** in position.

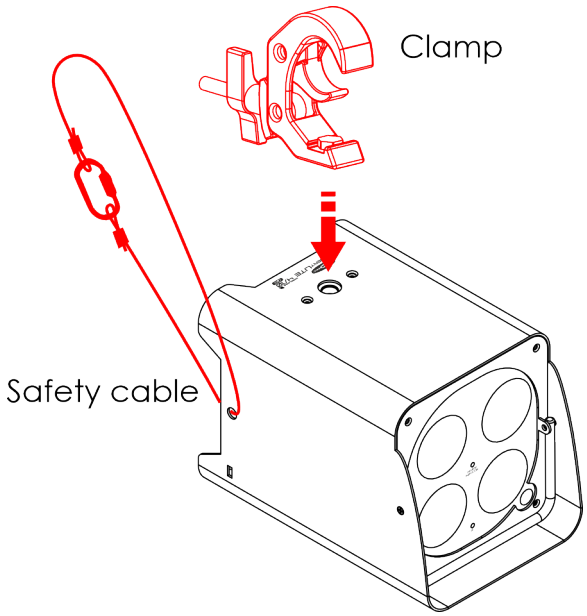
Figure 9



4.4.2. Installation with a Clamp

01) Use a clamp to attach the device to the supporting structure.
02) Secure the device with a secondary suspension, for example a safety cable. Make sure that the secondary suspension can hold 10 times the weight of the device. Put the safety cable through the **safety eye (07)**.

Figure 10



4.5. Charging the Battery of the EventLITE 4/10 Q6

DANGER
Risk of explosion caused by incorrect handling

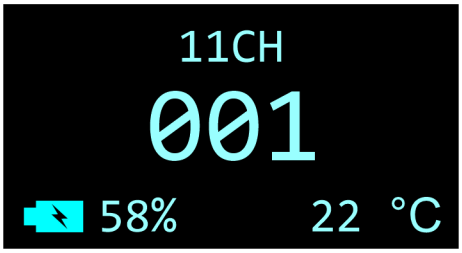
This device contains a built-in rechargeable lithium-ion battery. The battery is not replaceable. The battery may explode or cause burns if it is crushed, disassembled or exposed to fire or high temperatures.

- Do not open the device and do not attempt to remove the built-in battery.
- Charge the battery before using the device for the first time.
- Do not deep discharge the battery as this will shorten the lifespan of the battery. Recharge the battery as soon as possible. Do not let the light run until the battery is depleted.
- Make sure that the battery is charged to at least 50 % before storing the device.

It is recommended to charge the device at an ambient temperature between 0 and 35 °C.

You can charge the EventLITE 4/10 Q6 devices in the charger case (see 4.5.1. Charging in the Charger Case) or via a socket-outlet (see 4.5.2. Charging via a Socket-Outlet).

During charging the display shows the state of charge of the battery and the battery charging symbol:



Refer to the product specifications (see 3.3. Product Specifications on page 13) for the charge time of the battery.

4.5.1. Charging in the Charger Case

Attention

- Leave the charger case open during charging.
- Do not close the lid of the charger case during charging. If you close the lid during charging, the **safety switch (26)** will stop the power supply and discontinue the charging.

Attention

- Do not use the charger case to charge other devices.

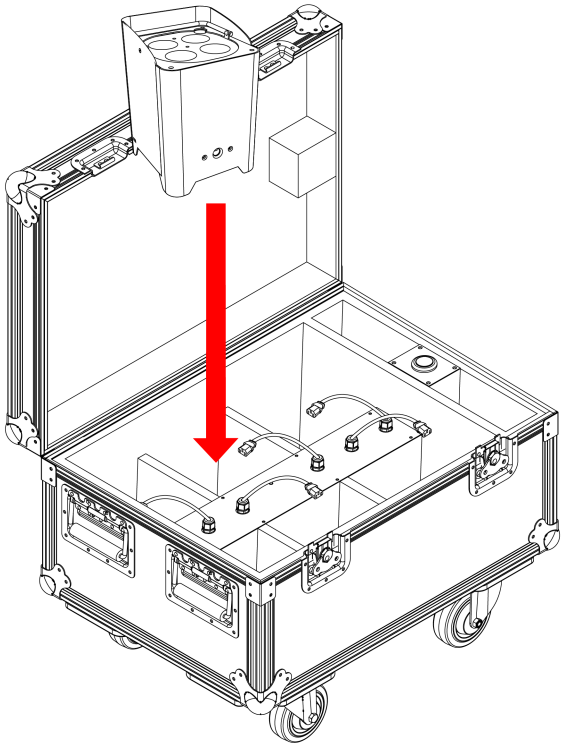
You can charge the battery of up to 6 EventLITE 4/10 Q6 devices in the charger case.

To charge the EventLITE 4/10 Q6 device follow the steps below:

01) Turn off the EventLITE 4/10 Q6 devices from the **push button switch (10)**.
02) Place the EventLITE 4/10 Q6 devices in the **compartments (28)**.
03) Connect the **fixed power cable (0,2 m) with IEC C13 connector (28)** to the **IEC power connector IN (16).**
04) Plug one end of the included Power Pro cable into the **Power Pro connector IN (Blue) (25)** on the charger case.

05) Connect the charger case to power supply with the delivered Schuko to Power Pro cable. The **battery LED indicator (04)** and the **power indicator (29)** light up red. When charging is completed the battery **LED indicator (04)** lights up green.

Figure 11



4.5.2. Charging via a Socket-Outlet

You can charge the battery of the EventLITE 4/10 Q6 devices via a socket-outlet.

To charge the battery of the EventLITE 4/10 Q6 devices follow the steps below:

01) Turn off the EventLITE 4/10 Q6 devices from the **push button switch (10)**.
02) Connect the EventLITE 4/10 Q6 devices to a socket-outlet with a suitable Schuko to IEC power cable (not included). The **battery LED indicator (04)** lights up red. When charging is completed the **battery LED indicator (04)** lights up green.

4.5.3. Battery LED Indicator Statuses

The device has a **battery LED indicator (04)** that shows the charge state of the battery:

LED color		**LED behavior**	**State of charge**
🟡	Yellow	Flashing	< 30 %
🔴	Red	Lights up	charging
🟢	Green	Lights up	fully charged

4.6. Connecting to Power Supply



DANGER
Electric shock caused by short-circuit

The device accepts AC mains power at 100–240 V and 50/60 Hz. Do not supply power at any other voltage or frequency to the device.

This device falls under IEC protection class I. Make sure that the device is always electrically connected to the ground (earth).

Before connecting the device to the socket-outlet:
- Make sure that the power supply matches the input voltage specified on the information label on the device.
- Make sure that the socket-outlet has a ground (earth) connection.

Connect the device to the socket-outlet with the power plug. Do not connect the device to a dimmer circuit, as this may damage the device.

4.7. Power Linking of Multiple Devices

The charger case supports power linking. Power can be relayed to another device via the power OUT connector. Note that the input and the output connectors have different designs: one type cannot be connected to the other.

Power linking of multiple devices must be carried out only by instructed or skilled persons.



WARNING
Incorrect power linking may lead to overload of the electrical circuit and result in serious injuries and damage of property.

To prevent overload of the electrical circuit, when power linking multiple devices:

- Use cables with sufficient current-carrying capacity. The power cable supplied with the device is not suitable for power linking of multiple devices.
- Make sure that the total current draw of the device and all connected devices does not exceed the rated capacity of the power cables and the circuit breaker.
- Do not link more devices on one power link than the maximum recommended number.

Maximum recommended number of devices:
- at 100–120 V: 6 charger cases
- at 200–240 V: 12 charger cases

5. Setup

5.1. Stand-alone Setup

When the EventLITE 4/10 Q6 is not connected to a controller or to other devices, it functions as a stand-alone device. It can be operated manually via the control panel or with an IR remote control.

For more information refer to Control Modes.

5.2. DMX Connection

5.2.1. DMX-512 Protocol

You need a DMX serial data link to run light shows of one or more devices using a DMX-512 controller or to run synchronized shows of 2 or more devices in master/slave control mode.

The EventLITE 4/10 Q6 has 3-pin DMX signal IN and OUT connectors.

The pin assignment is as follows: pin 1 (ground), pin 2 (-), pin 3 (+).

Devices on a serial data link must be daisy-chained in a single line. The number of devices that you can control on one data link is limited by the combined number of the DMX channels of the connected devices and the 512 channels available in one DMX universe.

To comply with the TIA-485 standard, no more than 32 devices should be connected on one data link. In order to connect more than 32 devices on one data link, you must use a DMX optically isolated splitter/booster, otherwise this may result in deterioration of the DMX signal.

Note:

- Maximum recommended DMX data link distance: 300 m
- Maximum recommended number of devices on a DMX data link: 32 devices

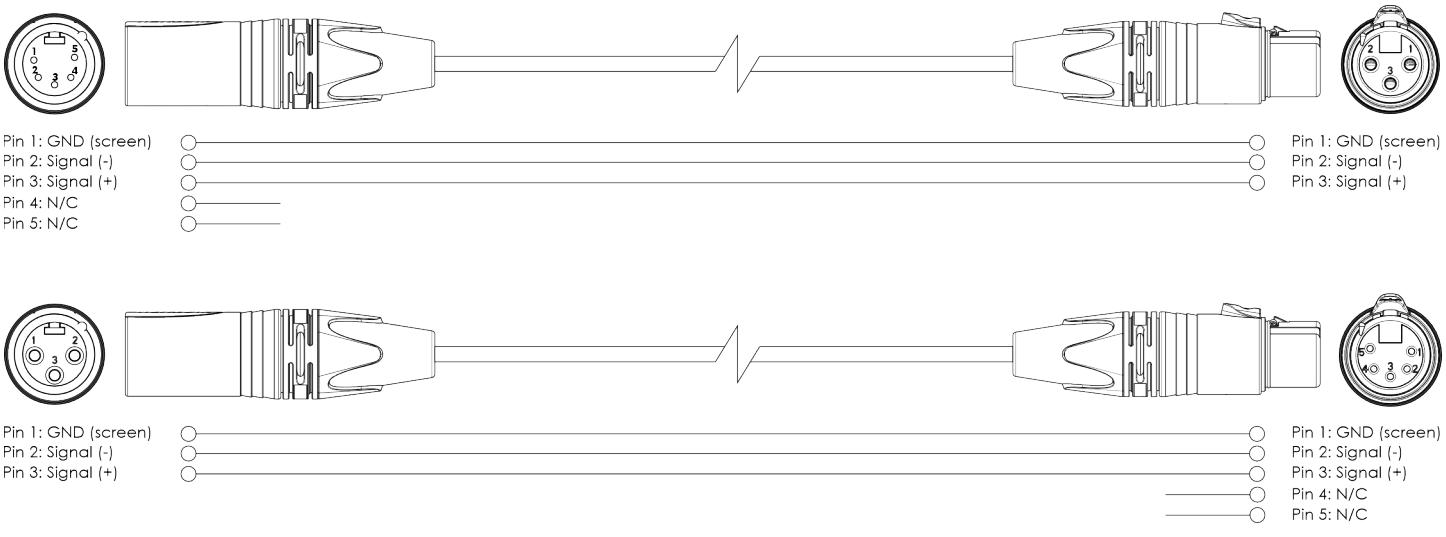
5.2.2. DMX Cables

Shielded twisted-pair cables with 3-pin XLR connectors must be used for reliable DMX connection. You can purchase DMX cables directly from your Highlite International dealer or make your own cables.

If you use XLR audio cables for DMX data transmission, this may lead to signal degradation and unreliable operation of the DMX network.

When you make your own DMX cables, make sure that you connect the pins and wires correctly as shown in the figure below.

Figure 12

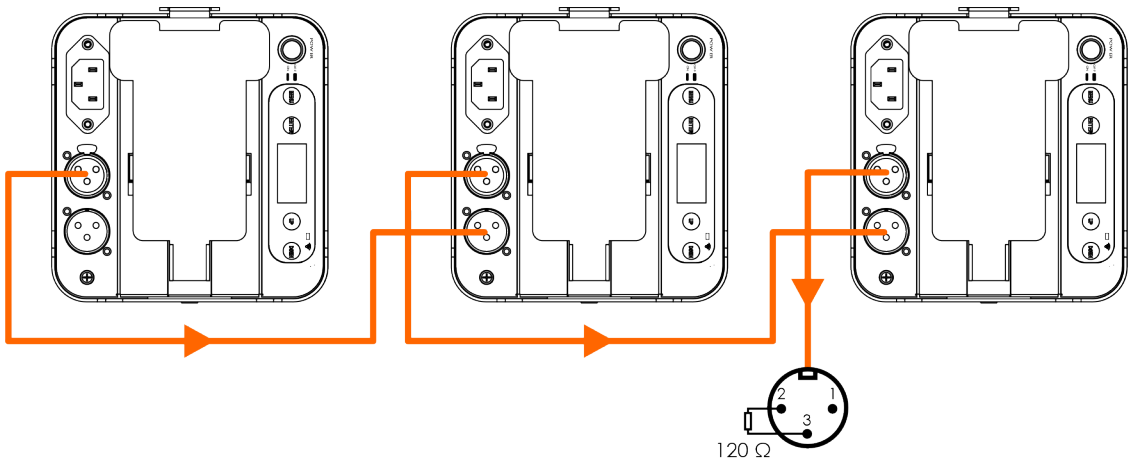


5.2.3. Master/Slave Setup

The EventLITE 4/10 Q6 supports master/slave control mode. To connect multiple devices in a master/slave setup, follow the steps below:

01) Connect the DMX OUT connector of the 1st device to the DMX IN connector of the 2nd device with a 3-pin DMX cable.
02) Repeat step 1 to connect all devices in a daisy-chain.
03) Connect a DMX terminator (120 Ω resistor) to the DMX OUT connector of the last device on the data link.
04) Set the 1st device on the data link as a master device (see 6.7.6. Slave on page 31).
05) Set the remaining devices as slave devices (see 6.7.6. Slave on page 31).

Figure 13

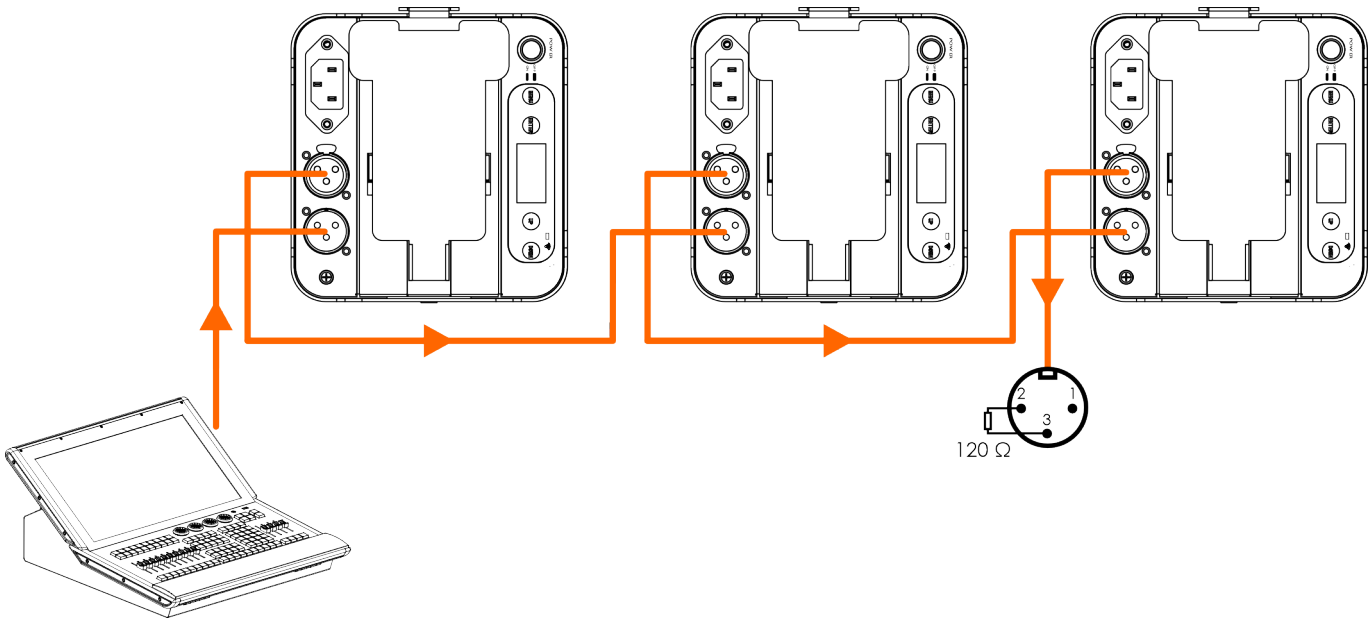


5.2.4. DMX Linking

To connect multiple devices on one DMX data link, follow the steps below:

01) Use a 3-pin DMX cable to connect the DMX OUT connector of the lighting controller to the DMX IN connector of the 1st device.
02) Connect the DMX OUT connector of the 1st device to the DMX IN connector of the 2nd device with a 3-pin DMX cable.
03) Repeat step 2 to connect all devices in a daisy-chain.
04) Connect a DMX terminator (120 Ω resistor) to the DMX OUT connector of the last device on the data link.

Figure 14



5.2.5. DMX Addressing

In a setup with multiple devices, make sure that you set the DMX starting address of each device correctly. The EventLITE 4/10 Q6 has 3 personalities: 11 channels, 8 channels, and 6 channels.

If you want to connect multiple devices on one data link and use them in 11-channel mode, for example, follow the steps below:

01) Set the starting address of the 1st device on the data link to 1 (001).
02) Set the starting address of the 2nd device on the data link to 12 (012), as 1 + 11 = 12.
03) Set the starting address of the 3rd device on the data link to 23 (023), as 12 + 11 = 23.
04) Continue assigning the starting addresses of the remaining devices by adding 11 each time to the previous number.

When addressing multiple devices on one data link, make sure that there are no overlapping channels. You cannot control devices individually if they have overlapping channels.

5.3. Wireless Connection

The EventLITE 4/10 Q6 has a built-in wireless transceiver. You can pair the device with other EventLITE 4/10 Q6 devices in a master/slave setup or with an LED controller with a wireless transmitter in DMX control mode. If the LED controller is not equipped with a wireless transmitter, you can connect the LED controller to a wireless DMX transceiver.

Note:

The maximum wireless transmission range is 350 m.

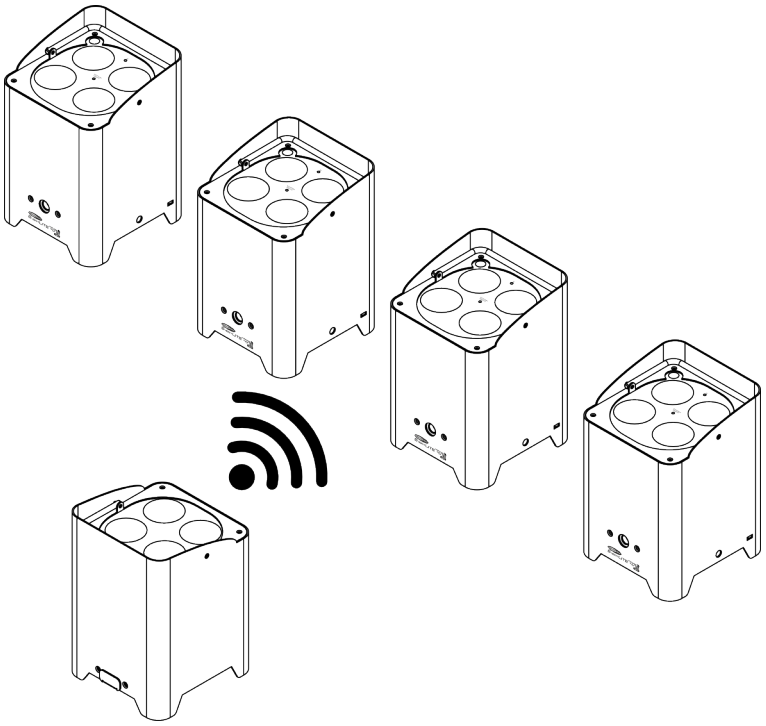
Make sure that there is a clear line of sight between all devices in the wireless setup.

5.3.1. Wireless Master/Slave Setup

To connect multiple devices in a wireless master/slave setup, follow the steps below:

01) Set one of the devices in the setup as a master device (see 6.7.6. Slave on page 31).
02) Set the remaining devices as slave devices (see 6.7.6. Slave on page 31).
03) Configure all devices to receive wireless DMX (see 6.7.1.2. WDMX Unlock on page 29).
04) Pair the master device with the slave devices (see 6.7.1.1. Signal on page 29). During pairing, the **wireless LED indicator (12)** blinks. When pairing is completed, the **wireless LED indicator (12)** lights up.

Figure 15



Note:

Once a slave device is paired to a master device in a wireless master/slave setup, the slave device remains paired to the master device. If you want to use to the slave device in a different master/slave setup, you need to unpair the slave device from the first master device (see 6.7.1.1. Signal on page 29).

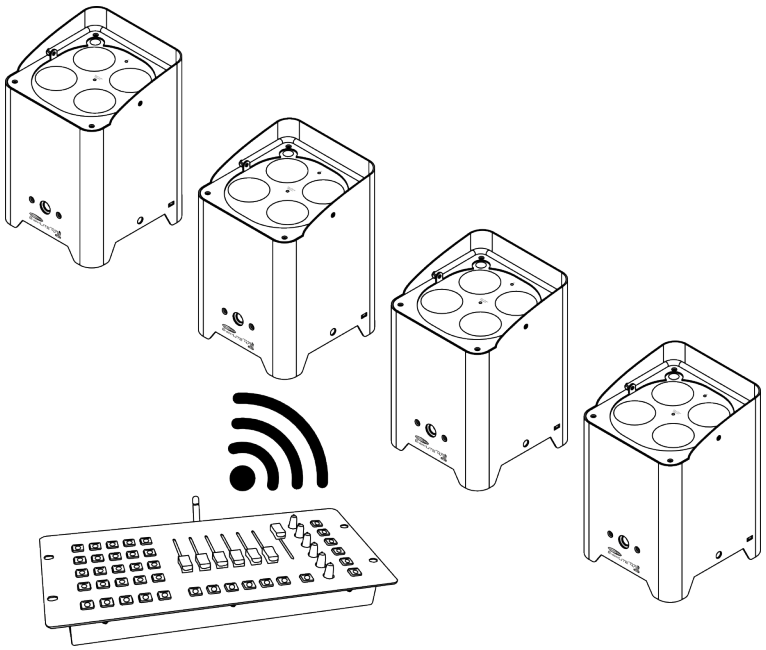
5.3.2. Setup with a Controller

To pair multiple devices to an LED controller with wireless DMX, follow the steps below:

01) Set all devices in the setup as slave devices (see 6.7.6. Slave on page 31).
02) Configure all devices to receive wireless DMX (see 6.7.1.2. WDMX Unlock on page 29).
03) Pair the devices with the LED controller. Refer to the user manual of the LED controller for more information.

During pairing, the **wireless LED indicator (12)** blinks. When pairing is completed, the **wireless LED indicator (12)** lights up.

Figure 16



6. Operation

6.1. Safety Instructions for Operation

Attention
This device must be used only for the purposes it is designed for.

This device is intended for professional use as a charger set including RGBWAUV spots. It can be installed only indoors. This device is not suitable for households and for general lighting.

Any other use, not mentioned under intended use, is regarded as non-intended and incorrect use.

6.2. Control Modes

The EventLITE 4/10 Q6 can be controlled:

- manually (see 6.7. Main Menu Options on page 28)
- via IR remote control
- via DMX (see 6. DMX Channels on page 35)

It supports a master/slave connection and is equipped with a wireless transceiver.

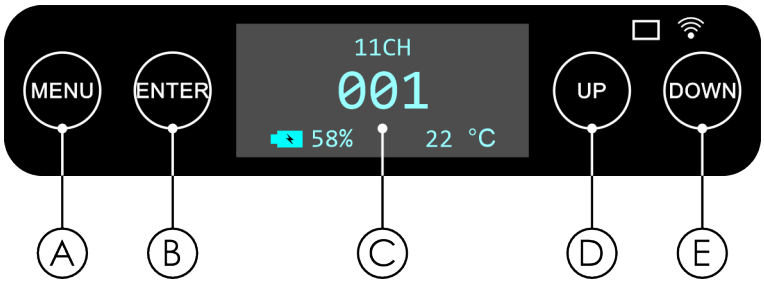
This table shows the different control options and the available features for each control mode.

	Manual	IR Remote	(Wireless) DMX-512
Auto Mode	yes	yes	yes
Built-in programs	yes	yes	yes
Custom colors	yes	no	yes
Manual	yes	yes	yes

For more information about how to connect the device to an LED controller and to other devices, refer to Setup (see 5. Setup on page 20).

6.3. Control Panel

Figure 17



A) MENU touch button
B) ENTER touch button
C) OLED display
D) UP touch button
E) DOWN touch button

- Use the **MENU** button to exit the current submenu, to return to the Main Menu and to return to the start screen.
- Use the **UP/DOWN** buttons to navigate through the menus or to increase/decrease numeric values.
- Use the **ENTER** button to open the desired menu, to confirm your choice or to set the currently selected value.

6.4. Switching ON/OFF

The device has a power switch.

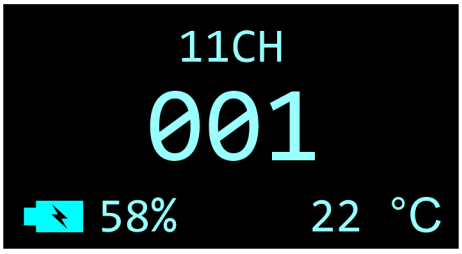


- Press the **push button switch (10)** into ON position to switch on the device.
- Press the **push button switch (10)** into OFF position to switch off the device.

Make sure that the device is switched off from the **push button switch (10)** when the device is not in use.

6.5. Start-up

At start-up the display shows a splash screen with the Showtec logo followed by the start screen:



The start screen provides information about the selected DMX channel mode, the DMX starting address of the device, the state of the battery, and the temperature of the LEDs. During charging, the display shows the battery charging symbol.

Note:

If no button is pressed, after 30 s of inactivity the display turns off. Press any button to turn the display on. You can change this setting in the Backlight Time submenu (see 6.7.8. Settings on page 31).

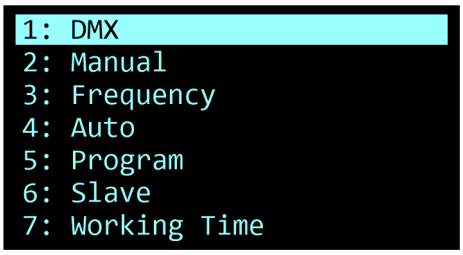
6.6. Menu Overview

Level 1	Level 2	Level 3
DMX (see 6.7.1. DMX on page 28)	Address	000-512
	Channel	6
		8
		11
	Signal	Pair
		Clear
	WDMX Unlock	On
		Off
Manual (see 6.7.2. Manual on page 29)	Red	000-255
	Green	000-255
	Blue	000-255
	White	000-255
	Amber	000-255
	UV	000-255
	Color Save	01-04
Frequency (see 6.7.3. Frequency on page 30)	600 Hz	
	1200 Hz	
	2000 Hz	
	4000 Hz	
	25000 Hz	
Auto (see 6.7.4. Auto on page 30)	Yes	
	No	
Program (see 6.7.5. Program on page 30)	Mode	01-32
	Color	01-05
	Speed	001-100
	Strobe	00-99
Slave (see 6.7.6. Slave on page 31)	Yes	
	No	
Working Time (see 6.7.7. Working Time on page 31)	OFF	
	1 hour	
	2 hours	
	3 hours	
	…	
	14 hours	
Settings (see 6.7.8. Settings on page 31)	Curves Select	Curve 1
		Curve 2
		Curve 3
		Curve 4
	Dimmer Speed	Fast
		Smooth
	Backlight Time	5 s
		10 s
		20 s
		30 s
		On
	DMX Fail	Off
		Hold
		Manual

Level 1	Level 2	Level 3
		Program
	IR	On
		Off
	Lock	On
		Off
	Factory Reset	Yes
		No
Information (see 6.7.9. Information on page 32)	Firmware version	
	Temperature	
	Operating humidity	
	Runmode	

6.7. Main Menu Options

The main menu has the following 9 options:



DMX
Manual
Frequency
Auto
Program
Slave
Working Time

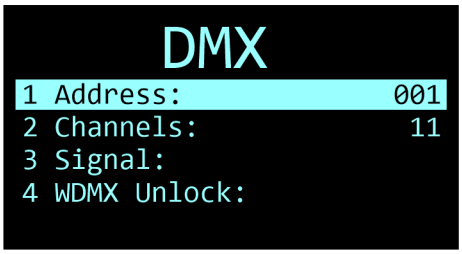


Settings
Information

01) Press the **UP/DOWN** buttons to navigate through the main menu.
02) Press the **ENTER** button to open the submenus.

6.7.1. DMX

In this menu you can configure the DMX settings of the device.



01) Press the **UP/DOWN** buttons to scroll through the following 4 options:
- Address: Set DMX starting address of the device. The adjustment range is 001–512.
- Channels: Select the DMX channel mode: 6, 8 or 11 channels (see 6. DMX Channels on page 35)
- Signal (see 6.7.1.1. Signal)
- WDMX Unlock (see 6.7.1.2. WDMX Unlock)

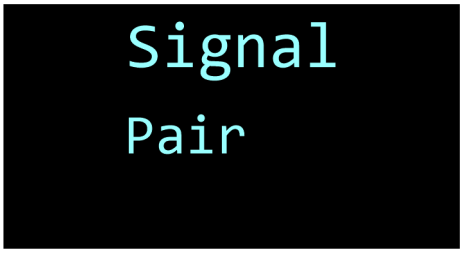
02) Press the **ENTER** button to confirm the selection and open the submenu.

6.7.1.1. Signal

In this submenu you can pair and unpair devices in a wireless master/slave setup.

To pair multiple devices in a wireless master/slave setup:

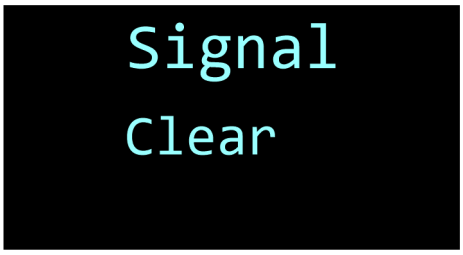
01) Open this submenu on the master device. The display reads Pair.



02) Press the **ENTER** button to pair the master device to the slave devices in the setup. During pairing the **wireless LED indicator (12)** blinks. When pairing is completed, the **wireless LED indicator (12)** lights up.

To unpair the devices in a wireless master/slave setup:

01) Open this submenu on the slave devices. The display reads Clear.



02) Press the **ENTER** button to unpair the slave devices in the setup. When unpairing is completed, the **wireless LED indicator (12)** turns off.

Note:

Once a slave device is paired to a master device in a wireless master/slave setup, the slave device remains paired to the master device. If you want to use to the slave device in a different master/slave setup, you need to unpair the slave device from the first master device.

6.7.1.2. WDMX Unlock

In this submenu you can enable wireless DMX.

Press the **UP/DOWN** buttons to choose ON (to enable wireless DMX) or OFF (to disable wireless DMX). When you enable the wireless DMX, the **wireless LED indicator (12)** lights up.

6.7.2. Manual

In this menu you can create a custom color and save it.

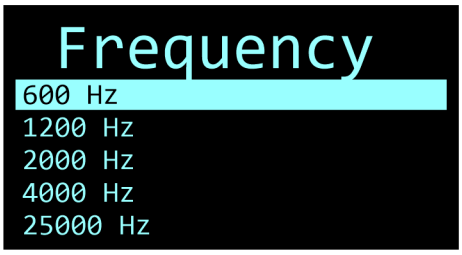


01) Press the **UP/DOWN** buttons to select one of the 6 LED colors: red, green, blue, white, amber or UV.
02) Press the **ENTER** button to open the submenu.
03) Press the **UP/DOWN** buttons to set the intensity of the LEDs. The adjustment range is 0–255, from low to high intensity.
04) Repeat steps 1–3 to adjust the values for the rest of the LEDs to create any color.

05) Press the **UP/DOWN** buttons to select Color Save. Do this step and the following steps, if you want to save the color you created.
06) Press the **ENTER** button to open the submenu.
07) Press the **UP/DOWN** buttons to select one of the 4 available slots.
08) Press the **ENTER** button to confirm the selection. The display shows Save OK. The custom color created in steps 1–5 is saved on the selected slot.

6.7.3. Frequency

In this menu you can adjust the PWM (Pulse Width Modulation) frequency.



Press the **UP/DOWN** buttons to select the frequency: 600 Hz, 1200 Hz, 2000 Hz, 4000 Hz, or 25000 Hz.

6.7.4. Auto

In this menu you can activate auto mode.

Press the **UP/DOWN** buttons to choose YES (to play the built-in program in auto mode) or NO (to return to the previous screen).

6.7.5. Program

In this menu you can play a built-in program, adjust the speed of the built-in program, select a custom color, and add strobe effect.



01) Press the **UP/DOWN** buttons to select one of the 4 options:
- Mode: Select one of the 32 built-in programs (01–32)
- Color: Select one of the 4 custom colors (01–04) (see 6.7.2. Manual on page 29). Position 05 in this submenu has no function
- Speed: Adjust the speed of the built-in program. The adjustment range is 001–100, from slow to fast
- Strobe: Add strobe effect. The adjustment range is 00–99, from low to high frequency. 00 is no strobe

02) Press the **ENTER** button to confirm the selection.

6.7.6. Slave

In this menu you can set the device as a slave device in a master/slave setup.



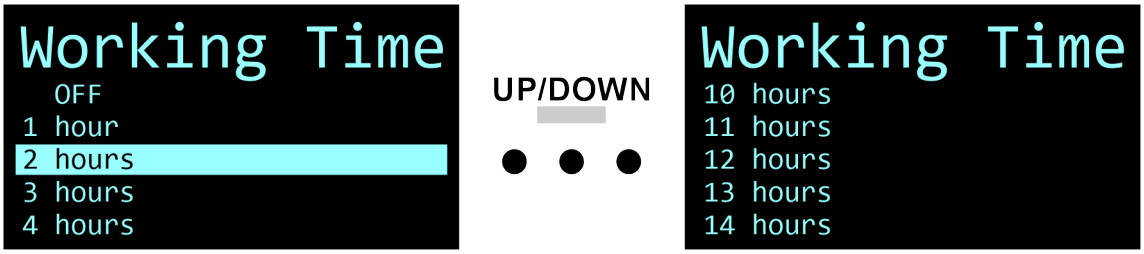
Press the **UP/DOWN** buttons to choose Yes (to set the device as a slave device) or No (to return to the previous screen).

Note:

In a master/slave setup, make sure that only one device is set to No (master device) and the remaining devices are set to Yes (slave devices).

6.7.7. Working Time

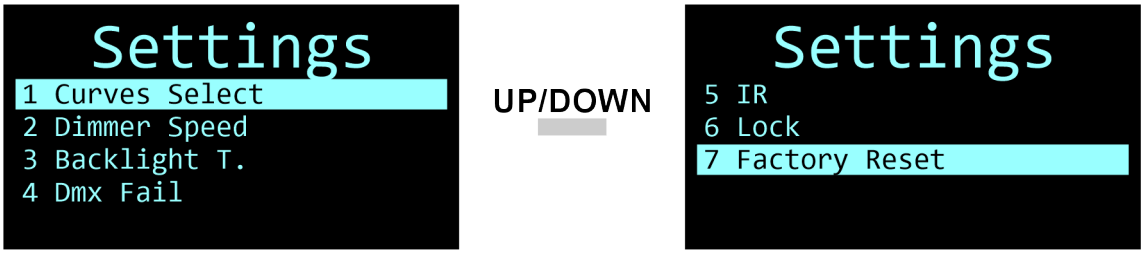
In this menu you can set the operating time of the device.



Press the **UP/DOWN** buttons to select the number of hours for which you want the device to remain in operation. The selection range is 1–14 hours, or OFF. If you select OFF, the device remains in operation until the battery is depleted.

6.7.8. Settings

In this menu you can adjust the settings of the device.



01) Press the **UP/DOWN** buttons to scroll through the following 7 options:
- Curves Select: Set the dimming curve. There are 4 options available: Curve 1, Curve 2, Curve 3 and Curve 4
- Dimmer Speed: Set the dimmer speed. There are 2 options available: Fast or Smooth
- Backlight Time: Set whether the backlight of the display remains on (On) or turns off after the selected amount of time: 5 s, 10 s, 20 s, or 30 s
- DMX Fail (see 6.7.8.1. DMX Fail)
- IR: Enable remote control mode: On/Off
- Lock (see 6.7.8.2. Lock)
- Factory Reset (see 6.7.8.3. Factory Reset)

02) Press the **ENTER** button to confirm the selection and open the submenu.

6.7.8.1. DMX Fail

In this submenu you can set the behavior of the device in case of a DMX failure.

Press the **UP/DOWN** buttons to select one of the 4 options:

- Off: The device will black out the output
- Hold: The device will use the last correctly received DMX signal
- Manual: The device will use the values selected in manual mode (see 6.7.2. Manual on page 29)
- Program: The device will run the built-in program

6.7.8.2. Lock

In this submenu you can activate the display lock.

Press the **UP/DOWN** buttons to toggle between ON and OFF.

- ON: The display lock is on. The display is locked after the display turns off. To access the main menu, you need to enter the password. The default password is pressing and holding the **MENU** and the **DOWN** buttons at the same time for 3 s
- OFF: The access to the main menu remains unlocked after the display turns off

6.7.8.3. Factory Reset

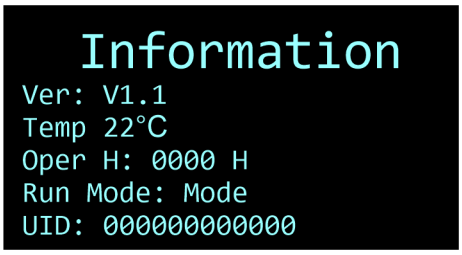
In this submenu you can restore the default factory settings of the device.

Press the **UP/DOWN** buttons to toggle between Yes and No.

- Yes: Restore to default factory settings
- No: Keep the current settings of the device

6.7.9. Information

In this menu you can view the following parameters of the device: firmware version, LEDs temperature, operating hours of the device, current run mode and UID.



Note:

This device does not support RDM. The displayed UID number is an example.

6.8. Remote Control

The device can be operated with the included IR remote control.

DANGER
Do not ingest battery, chemical burn hazard.

The remote control contains a coin cell battery. If the coin cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

6.8.1. Remote Control Mode

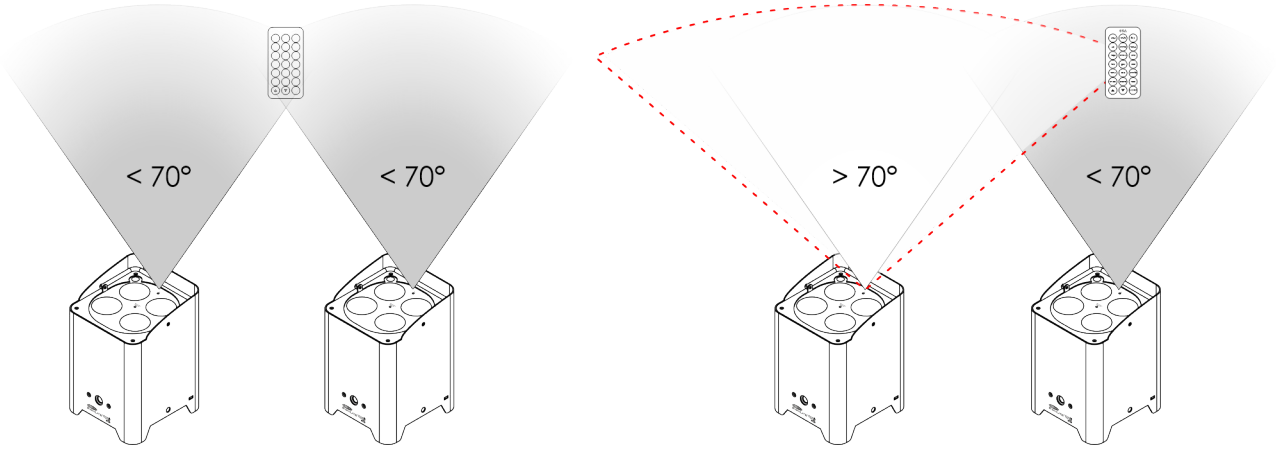
To control the device with the IR remote control:

01) Activate remote control mode in the Settings menu (see 6.7.8. Settings on page 31).
02) Point the IR remote control to the **IR sensor (03)** and use the buttons on the IR remote control to control the device (see 6.8.2. Functions of the Remote Control Buttons on page 34). Make sure that you point the IR remote control in the range of the **IR sensor (03)**.

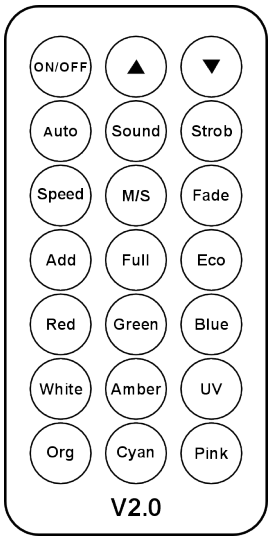
Note:

You can control several devices at the same time with the IR remote control.

Figure 18



6.8.2. Functions of the Remote Control Buttons



Button	Description	Function
ON/OFF	ON/OFF	Turns the LEDs on/off
▲	Up	Increases the value
▼	Down	Decreases the value
Auto	Auto	Auto mode
Sound	Sound	No function
Strob	Strobe	Selects a built-in program and adds strobe effect

Button	Description	Function
Speed	Speed	Speed adjustment of the built-in programs
M/S	Master/Slave	Sets the device as a master or a slave
Fade	Fade	Color flow
Add	Address	Sets the DMX starting address and selects the DMX channel mode
Full	Full	Full-on light output
Eco	Economical	Economical mode (80 % efficiency) or Normal mode (100 % efficiency)
Red	Red	Activates the red LEDs
Green	Green	Activates the green LEDs
Blue	Blue	Activates the blue LEDs
White	White	Activates the white LEDs
Amber	Amber	Activates the amber LEDs
UV	UV	Activates the UV LEDs
Org	Orange	Activates the orange color
Cyan	Cyan	Activates the cyan color
Pink	Pink	Activates the pink color

DMX Channels

6 CH	8 CH	11 CH	Function	Value	Setting		
	1	1	**Dimming**	000–255	From low to high intensity (0–100 %)		
	2	2	**Strobe**	000–010	No function		
				011–255	From low to high frequency		
1	3	3	**Red**	000–255	From low to high intensity (0–100 %)		
2	4	4	**Green**	000–255	From low to high intensity (0–100 %)		
3	5	5	**Blue**	000–255	From low to high intensity (0–100 %)		
4	6	6	**White**	000–255	From low to high intensity (0–100 %)		
5	7	7	**Amber**	000–255	From low to high intensity (0–100 %)		
6	8	8	**UV**	000–255	From low to high intensity (0–100 %)		
		9	**Color macros and white balance**	000–010	No function		
				011–030	R: 100 %	G: 0–100 %	B: 0
				031–050	R: 100–0 %	G: 100 %	B: 0
				051–070	R: 0	G: 100 %	B: 0–100 %
				071–090	R: 0	G: 100–0 %	B: 100 %
				091–110	R: 0–100 %	G: 0	B: 100 %
				111–130	R: 100 %	G: 0	B: 100–0 %
				131–150	R: 100 %	G: 0–100 %	B: 0–100 %
				151–170	R: 100–0 %	G: 100–0 %	B: 100 %
				171–200	R: 100 %	G: 100 %	B: 100 %
				201–205	White 1		
				206–210	White 2		
				211–215	White 3		
				216–220	White 4		
				221–225	White 5		
				226–230	White 6		
				231–235	White 7		
				236–240	White 8		
				241–245	White 9		
				246–250	White 10		
				251–255	White 11		
		10	**Auto run**	000–010	No function		
				011–040	RGB color mixing		
				041–070	CMY color mixing		
				071–100	RGBA color mixing		
				101–130	RGBACMY color mixing		
				131–160	RGB color changing		
				161–190	CMY color changing		
				191–220	RGBA color changing		
				221–255	RGBACMY color changing		
		11	**Auto speed**	000–255	From slow to fast		

7. Troubleshooting

This troubleshooting guide contains solutions to problems which can be carried out by an ordinary person. The device does not contain user-serviceable parts.

Unauthorized modifications to the device will render the warranty void. Such modifications may result in injuries and material damage.

Refer servicing to instructed or skilled persons. Contact your Highlite International dealer in case the solution is not described in the table.

7.1. EventLITE 4/10 Q6

Problem	Probable cause(s)	Solution
The device does not turn on	The battery is depleted	• Recharge the battery
The device does not respond to the IR remote control	The IR remote control is outside of the range of the IR sensor	• Walk closer to the device or change the angle at which you point the IR remote control to the device (see 6.8.1. Remote Control Mode on page 33)
	The battery in the IR remote control is depleted	• Change the battery of the IR remote control
	The remote control mode is not enabled on the device	• Enable remote control mode (see 6.7.8. Settings on page 31)
The device does not respond to DMX control	The controller is not connected	• Connect the controller
	The signal is reversed. The 3-pin DMX OUT of the controller does not match the DMX IN of the device	• Install a phase-reversing cable between the controller and the device
	The controller is defective	• Use a different controller
The device responds erratically to DMX control	Connections are defective	• Examine connections and cables. Correct defective connections. Repair or replace damaged cables
	The data link is not terminated with a 120 Ω termination plug	• Insert a termination plug in the DMX OUT connector of the last device on the link
	Incorrect addressing	• Make sure that the address settings are correct
	In case of a setup with multiple devices, one of the devices is defective and disturbs data transmission on the link	• To find out the defective device, bypass one device at a time until normal operation is restored
The device does not respond to wireless control	The device is not paired. The **wireless LED indicator (12)** is off	• Verify the settings of the device
	The slave device is paired to a different master device. The **wireless LED indicator (12)** is on	• Unpair the slave device and pair it to the current master device (see 6.7.1.1. Signal on page 29)
	The device is not in the range of the wireless transmitter	• Make sure that there is a clear line of sight between all devices in the wireless setup
	The controller or the transmitter (transceiver) of the controller is defective	• Use a different controller
No light or LEDs cut out intermittently	LEDs are damaged	• Turn off the device. Contact your Highlite International dealer

7.2. Charger Case

Problem	Probable cause(s)	Solution
The device does not function at all	No power to the device	• Make sure that the power supply is plugged in and/or is the appropriate power supply
	The internal fuse is blown	• Replace the fuse (see 8.2.1. Replacing the Fuse of the Charger case on page 39)
The connected fixtures do not charge	The connected fixture is damaged	• Disconnect the fixture. Contact your Highlite International dealer
	Connections are defective	• Connect the fixture to another charging cable to test the connection. Contact your Highlite International dealer if a connection is defective
	The lid is closed	• Open the lid while charging (see 4.5.1. Charging in the Charger Case on page 17)

8. Maintenance

8.1. Preventive Maintenance

Attention
Before each use, examine the device visually for any defects.

Make sure that:

- All screws used for installing the device or parts of the device are tightly fastened and are not corroded.
- The safety devices are not damaged.
- There are no deformations on housings, fixings and installation points.
- The lens is not cracked or damaged.
- The power cables are not damaged and do not show any material fatigue.

8.1.1. Basic Cleaning Instructions

The external lens of the device must be cleaned periodically in order to optimize the light output. The cleaning schedule depends on the conditions at the site where the device is installed. When smoke or fog machines are used at the site, the device will need more frequent cleaning. On the other hand, if the device is installed in well-ventilated area, it will need less frequent cleaning. To establish a cleaning schedule, examine the device at regular intervals during the first 100 hours of operation.

To clean the device, follow the steps below:

01) Disconnect the device from the electrical power supply.
02) Allow the device to cool down for at least 15 minutes.
03) Remove the dust collected on the external surface with dry compressed air and a soft brush.
04) Clean the lens with a damp cloth. Use a mild detergent solution.
05) Dry the lens carefully with a lint-free cloth.
06) Clean the connectors with a damp cloth.

Attention

- Do not immerse the device in liquid.
- Do not use alcohol or solvents.
- Make sure that the connectors are fully dry before using them.

8.2. Corrective Maintenance

The device does not contain user-serviceable parts. Do not open the device and do not modify the device.

Refer repairs and servicing to instructed or skilled persons. Contact your Highlite International dealer for more information.

8.2.1. Replacing the Fuse of the Charger case



DANGER
Electric shock caused by short-circuit

- Do not bypass the thermostatic switch or fuses.
- Replace fuses only with the same type and rating.

Power surges, short-circuit or incorrect electrical power supply may cause a fuse to burn out. If the fuse burns out, the device will not function anymore. If this happens, follow the steps below:

01) Disconnect the device from the electrical power supply.
02) Allow the device to cool down for at least 15 minutes.
03) Loosen the fuse cover with a screwdriver and remove the fuse holder.
04) If the fuse is brown or unclear, it is burned out. Remove the old fuse.
05) Insert a new fuse in the fuse holder. Make sure that the type and the rating of the replacement fuse are the same as the ones specified on the information label of the product.
06) Replace the fuse holder in the opening and tighten the fuse cover.

9. Deinstallation, Transportation and Storage

9.1. Instructions for Deinstallation

WARNING
Incorrect deinstallation can cause serious injuries and damage of property.

- Always observe the national and site-specific regulations during deinstallation and derigging of the device.
- Wear personal protective equipment in compliance with the national and site-specific regulations.

9.2. Instructions for Transportation

This device contains a rechargeable (secondary) lithium-ion battery. Equipment that contains lithium-ion batteries falls under the category of dangerous goods for transportation.

- Make sure that you are in compliance with all applicable transportation regulations when you transport the device.
- Use the original packaging to transport the device or other suitable packaging that complies with the regulations for transportation of (secondary) lithium-ion batteries.

9.3. Storage

This device contains a rechargeable (secondary) lithium-ion battery. The battery is not replaceable. The battery may explode or cause burns if it is crushed, disassembled or exposed to fire or high temperatures.

- Store the device in a dry place, at temperatures between 5 and 20 °C. Batteries self-discharge during storage. Temperatures above 20 °C speed up the self-discharging process.
- Do not store the device with depleted battery. Make sure that the battery is charged to at least 50 % before storing the device.
- If the device is stored for an extended period, check regularly the state of charge of the battery.
- Clean the device before storing (see 8.1.1. Basic Cleaning Instructions on page 38).
- Store the device in the original packaging, if possible.

10. Disposal

This device contains a lithium-ion battery. Do not dispose of with the household waste.

Correct disposal of this product

Waste Electrical and Electronic Equipment

This symbol on the product, its packaging or documents indicates that the product shall not be treated as household waste. Dispose of this product by handing it to the respective collection point for recycling of electrical and electronic equipment. This is to avoid environmental damage or personal injury due to uncontrolled waste disposal. For more detailed information about recycling of this product contact the local authorities or the authorized dealer.

11. Approval

Hereby, Highlite International declares that the device EventLITE 4/10 Q6 SET, product code 44068, is in compliance with Directive 2014/53/EU (RED – Radio Equipment Directive).

The full text of the EU declaration of conformity is available on the respective product page on the website of Highlite International (www.highlite.com).