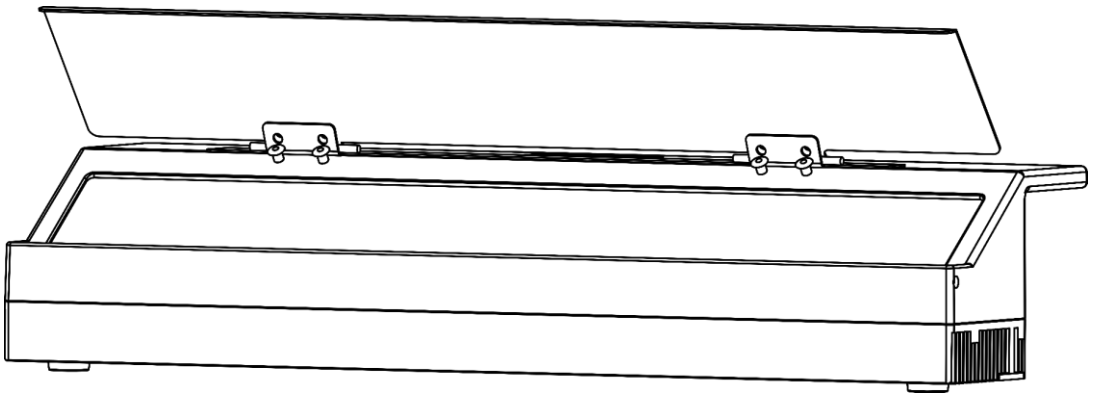
USER MANUAL



ENGLISH

Performer Cyc Q6 V1

Product code: 33170

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

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 product
- Installation and operation of the product
- Maintenance procedures
- Troubleshooting
- Transport, storage and disposal of the product

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

Design and product specifications are subject to change without prior notice.

For the latest version of this document or other language versions, please visit our website www.highlite.com or contact us at service@highlite.com.

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Table of contents

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.

Your shipment includes:

- Showtec Performer Cyc Q6
- Quick-lock bracket
- Safety cable
- Schuko to Seetronic Power Pro True cable (1,5 m)
- User manual

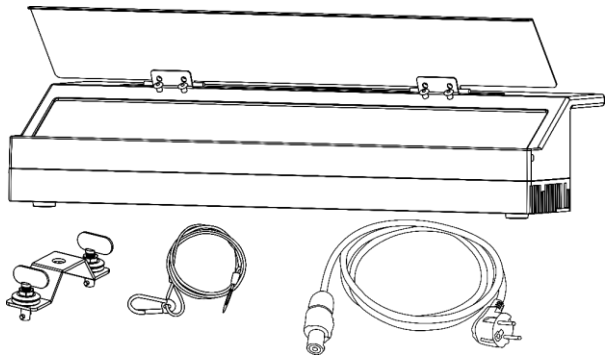


Fig. 01

1.2. Intended Use

This device is intended for professional use as a cyclorama wash effect. It is suitable for outdoor installation. 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.

1.3. Product Lifespan

This device is not designed for permanent operation. Disconnect the device from the electrical power supply when the device is not in operation. This will reduce the wear and will improve the device's lifespan.

1.4. 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.

1.5. 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 chapters and parts of the device are in bold lettering, for example: "Refer to **2. Safety**", "turn the **adjustment handle (05)**"
- 0–255: Defines a range of values
- Notes: **Note:** (in bold lettering) is followed by useful information or tips

1.6. 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

Eye damage hazard

Provides important information about the disposal of this product.

1.7. Symbols on the Information Label

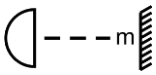
This product is provided with an information label. The information label is located on the mounting bracket.

The information label contains the following symbols:

This device falls under IEC protection class I.

This device shall not be treated as household waste.

This device is rated IP65.



Minimum distance from lighted objects.

Caution: Risk of electric shock. Do not open.
Caution: To reduce the risk of electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified personnel.

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 various parts of the packaging (plastic bags, polystyrene foam, nails, etc.) within children's reach. Packaging material is a potential source of danger for children.

DANGER
Electric shock caused by dangerous voltage inside

There are areas within the device where dangerous touch voltage (> 120 V DC) 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 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 ground (earth) connection.
- Do not cover the ground (earth) connection.
- Do not bypass the thermostatic switch or fuses.
- 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.
- Keep the connectors sealed with the rubber caps when the connectors are not in use.
- Do not connect the cables from above the connectors, if the device is installed outdoors. Make a 'drip loop' in the cable so that rain water cannot enter the device.

WARNING
Risk of epileptic shock

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

CAUTION
Possible eye damage caused by high light intensity

Possibly hazardous optical radiation emitted from this device.

- Do not look at the operating light source. May be harmful to the eye.
- Do not look at the light source with optical instruments that may concentrate the light output.
- Make sure that persons are not looking directly into the light source when the device lights up suddenly. This can happen when the device is powered or when it receives DMX signal, or when certain menu items are selected.
- Disconnect power supply before servicing.
- Wear protective goggles if looking into light source during service or maintenance.

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 decreases 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 the use immediately.

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

This device is intended for professional use as a cyclorama wash effect. 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, fixations 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.

This device is IP65 rated. IP (Ingress Protection) 65 class means that the device is dust-tight and protected against harmful effect of water jets.

Keep the connectors sealed with the rubber caps when the connectors are not in use.

2.2. Requirements for the User

This product may be used by ordinary persons. Maintenance may be carried 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.

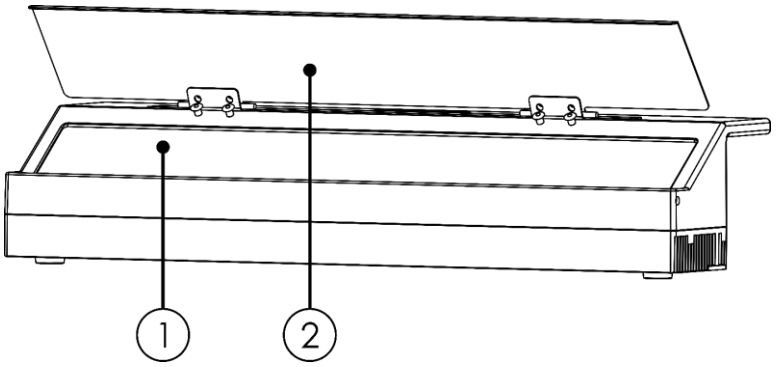
Skilled persons have training or experience, which enables them to recognize risks and to avoid hazards associated with the installation, service and maintenance of this product.

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 Performer Cyc Q6 is an IP65-rated silent cyclorama wash effect, suitable for theaters and film/photo studios. It can be used for creating of the illusion of air, open space or great distance in the back of the stage.

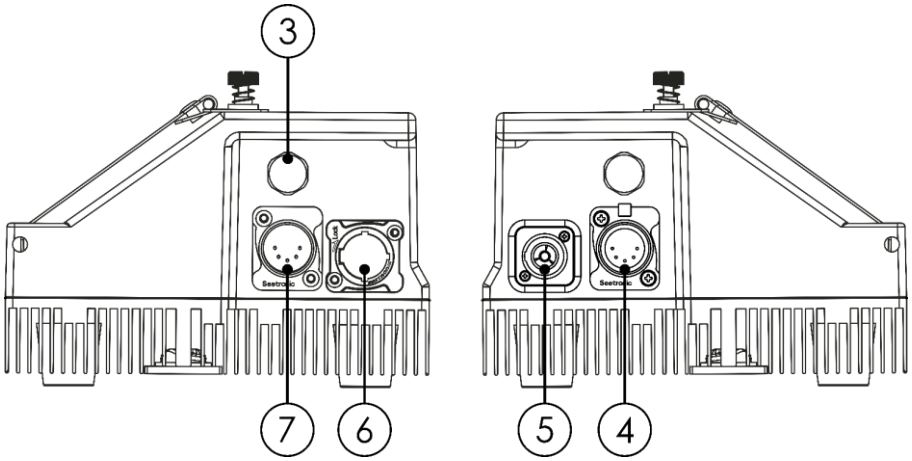
3.1. Front View



01) Lens
02) Barndoor

Fig. 02

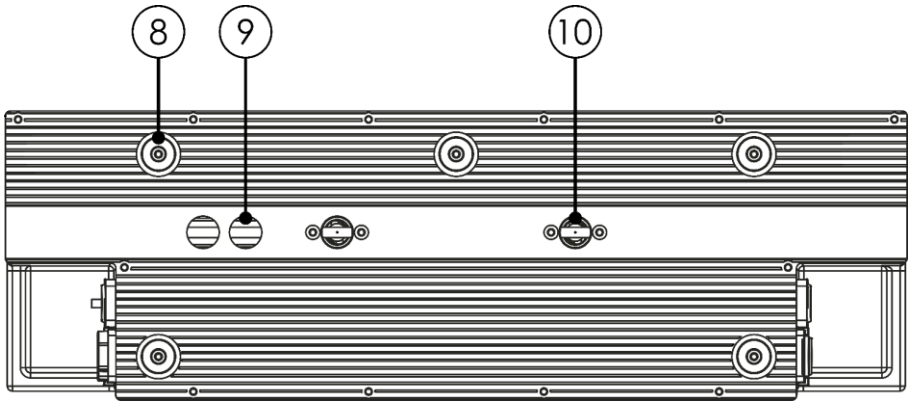
3.2. Side View



03) Protective valve
04) IP-rated Seetronic 5-pin DMX signal connector OUT
05) IP-rated Seetronic Power Pro True connector OUT
06) IP-rated Seetronic Power Pro True connector IN
07) IP-rated Seetronic 5-pin DMX signal connector IN

Fig. 03

3.3. Bottom View



08) 5 x rubber foot
09) Safety eye
10) Mounting openings for the quick-lock bracket

Fig. 04

3.4. Product Specifications

Model:	Performer Cyc Q6

Electrical:	
Input voltage:	100–240 V AC, 50/60 Hz
Power consumption:	180 W

Physical:	
Dimensions:	530 x 170 x 110 mm (L x W x H)
Weight:	6 kg

Optics:	
Light source:	1 x 180 W RGBALC LED
Dimmer:	0–100 %
Strobe:	0–25 Hz
Beam angle (H x V):	100° x 45°
Floodlight type:	Asymmetric
Total lumen:	7440 lm
CRI:	93
CCT:	1800–10000 K
Refresh rate:	1200–25000 Hz

Operation and control:	
Control:	Stand-alone (Static Colors, Built-in programs) Master/Slave (Static Colors, Built-in programs) DMX-512, RDM
DMX channels:	3, 7, 8, 10, 13, 20 channels
Control panel:	OLED display and buttons

Connections:	
Power connections:	Power Pro True connectors IN/OUT
Data connections:	5-pin DMX connectors IN/OUT
Signal pin OUT:	Pin 1 (ground), pin 2 (-), pin 3 (+), pin 4 (N/C), pin 5 (N/C)

Construction:	
Housing:	Aluminum die-cast
Color:	Black
IP rating:	IP65
Cooling:	Convection

Thermal:	
Maximum ambient temperature t_a:	From -20 °C to 45 °C

Minimum distance:	
Minimum distance from flammable surfaces:	0,5 m
Minimum distance to lighted object:	0,8 m

3.5. Dimensions

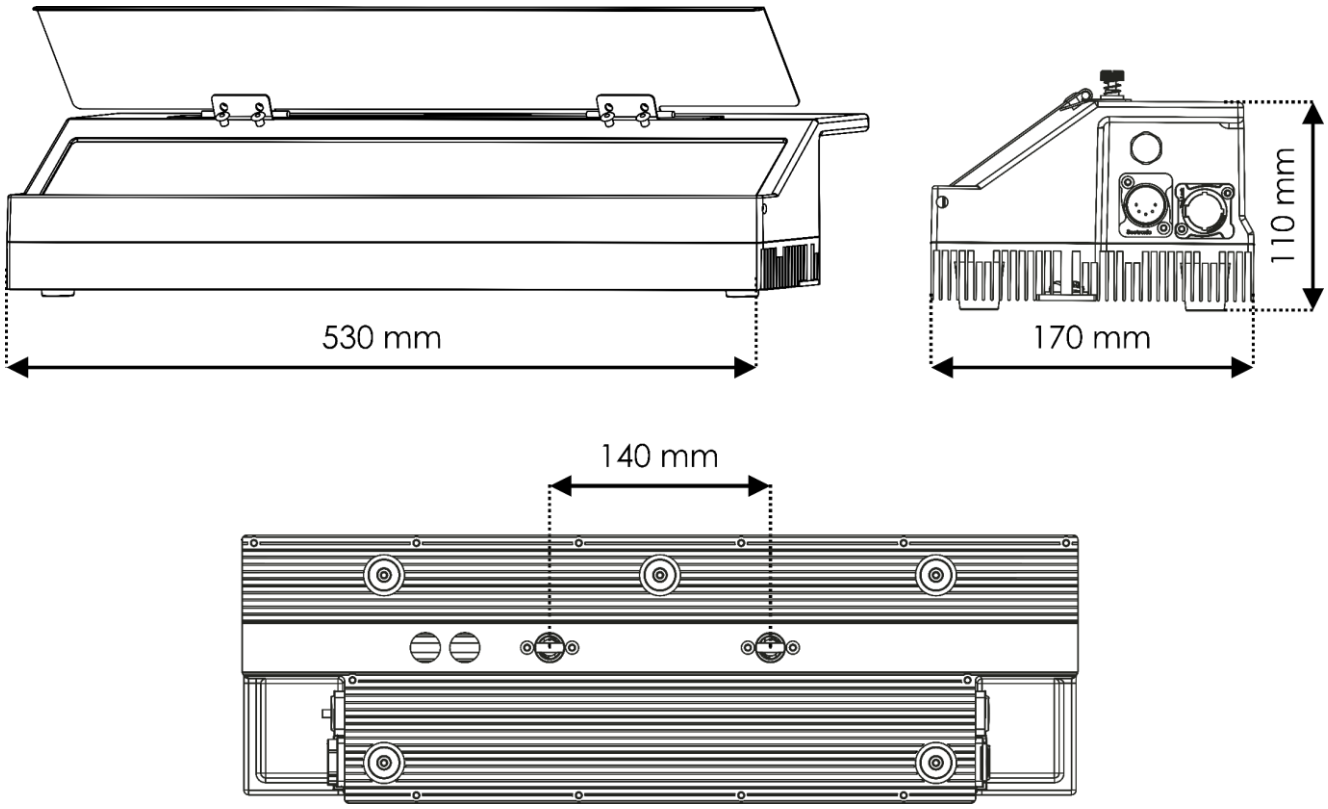


Fig. 05

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 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 outdoors.
- The device can be mounted to a truss or another rigging structure in any orientation.
- The minimum distance between the light output and the illuminated surface must be bigger than 0,8 m.
- The minimum distance to other objects must be bigger than 0,5 m.
- The maximum ambient temperature t_a = 45 °C must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 45 °C.

4.4. Rigging

The device can be positioned on a flat surface or be mounted on 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 rigging and/or derigging.

To mount the device, follow the steps below:

01) Fasten the quick-lock bracket (supplied with the device) on the **mounting openings for the quick-lock bracket (10)** as shown in Fig. 06.
02) Install a clamp, as shown in Fig. 06. Make sure that you use clamps suitable for attaching the device to the supporting structure and that the device cannot move freely.
03) 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. If possible, the secondary suspension should be attached to a supporting structure independent of the primary suspension. Put the safety cable through the **safety eye (09)**, as shown in Fig. 06. You can use the safety cable supplied with the device.

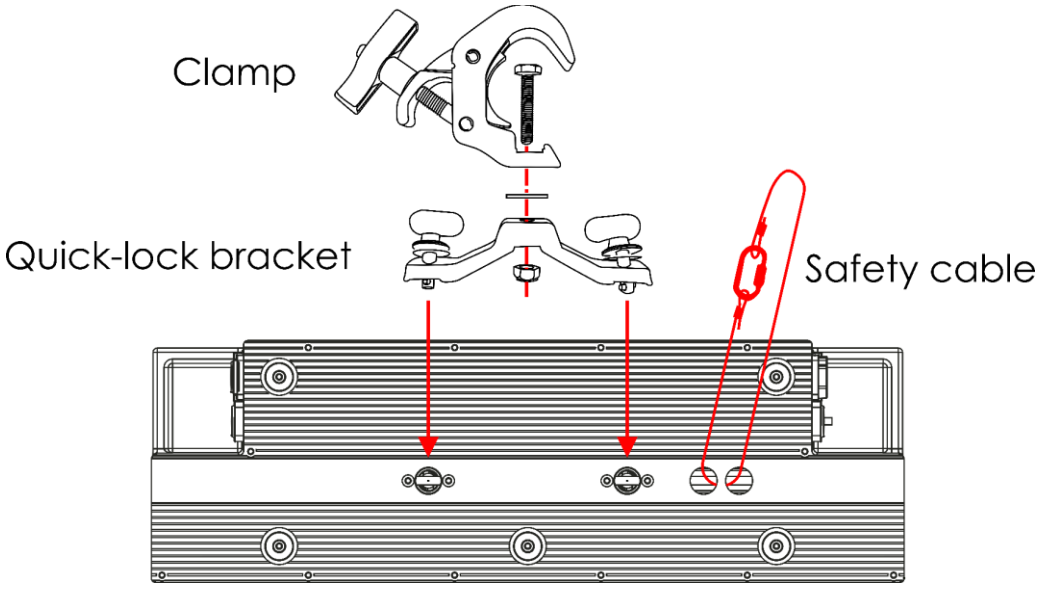


Fig. 06

4.5. 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 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.

This device is IP65 rated.

- Do not expose the device to conditions that exceed the rated IP class conditions.
- Keep the connectors sealed with the rubber caps when the connectors are not in use.
- Do not connect the cables from above the connectors, if the device is installed outdoors. Make a 'drip loop' in the cable so that rain water cannot enter the device.
- Make sure that the cable run is not too heavy. A heavy cable run can cause damage to the connectors. If the connectors are damaged, their ingress protection (IP) can deteriorate.

4.6. Power Linking of Multiple Devices

This device 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: 8 devices
- at 200–240 V: 16 devices

5. Setup

5.1. Warnings and Precautions

DANGER
Electric shock caused by short-circuit

This device is IP65 rated.

- Do not expose the device to conditions that exceed the rated IP class conditions.
- Keep the connectors sealed with the rubber caps when the connectors are not in use.
- Do not connect the cables from above the connectors, if the device is installed outdoors. Make a 'drip loop' in the cable so that rain water cannot enter the device.
- Make sure that the cable run is not too heavy. A heavy cable run can cause damage to the connectors. If the connectors are damaged, their ingress protection (IP) can deteriorate.

Attention
Connect all data cables before supplying power.
Disconnect power supply before connecting or disconnecting data cables.

5.2. Stand-alone Setup

When the Performer Cyc Q6 is not connected to a controller or to other devices, it functions as a stand-alone device. It can be operated manually.

For more information about the control modes, refer to **6.2. Control Modes** on page 17.

5.3. DMX Connection

5.3.1. 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 two or more devices set in a master/slave operating mode.

The Performer Cyc Q6 has 5-pin DMX signal IN and OUT connectors.

The pin assignment is as follows:
- 5-pin: pin 1 (ground), pin 2 (-), pin 3 (+), pin 4 (N/C), pin 5 (N/C)

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

5.3.2. DMX Cables

Shielded twisted-pair cables with 5-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 Fig. 07.

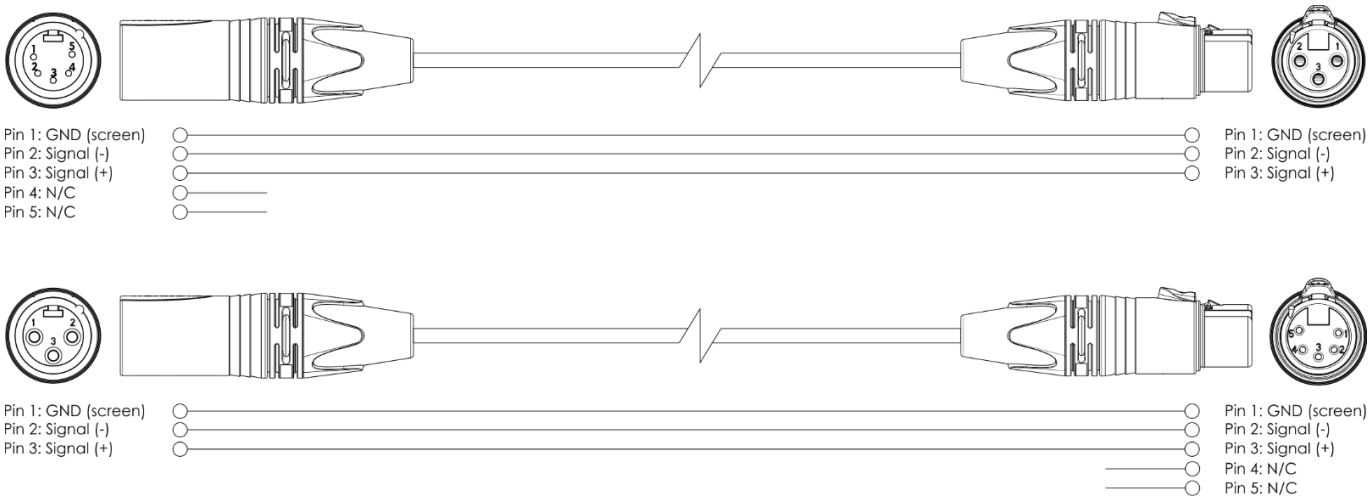


Fig. 07

5.3.3. Master/Slave Setup

The Performer Cyc Q6 supports master/slave control mode. To connect multiple devices in master/slave setup, follow the steps below:

01) Connect the first device's DMX OUT connector to the second device's DMX IN connector.
02) Repeat step 1 to connect all devices as shown in Fig. 08. The first connected device will be automatically recognized as the master device.
03) Set all subsequent devices as slave devices. See **6.6.3. Run Mode** on page 23 for more information.
04) Connect a DMX terminator (120 Ω resistor) to the DMX OUT connector of the last device in the setup.

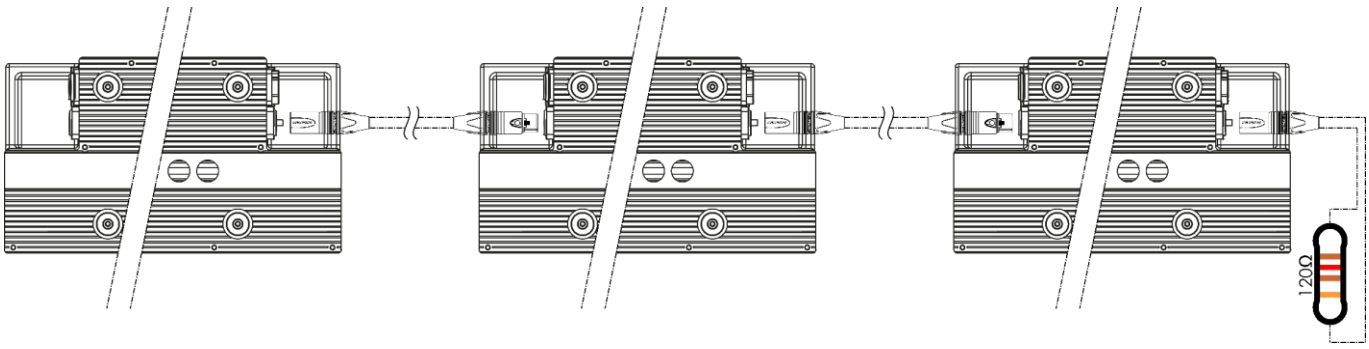


Fig. 08

5.3.4. DMX Linking

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

01) Use a 5-pin DMX cable to connect the DMX OUT connector of the lighting controller to the DMX IN connector of the first device.
02) Connect the first device's DMX OUT connector to the second device's DMX IN connector with a 5-pin DMX cable.
03) Repeat step 2 to connect all devices in a daisy-chain as shown in Fig. 09.
04) Connect a DMX terminator (120 Ω resistor) to the DMX OUT connector of the last device on the data link.

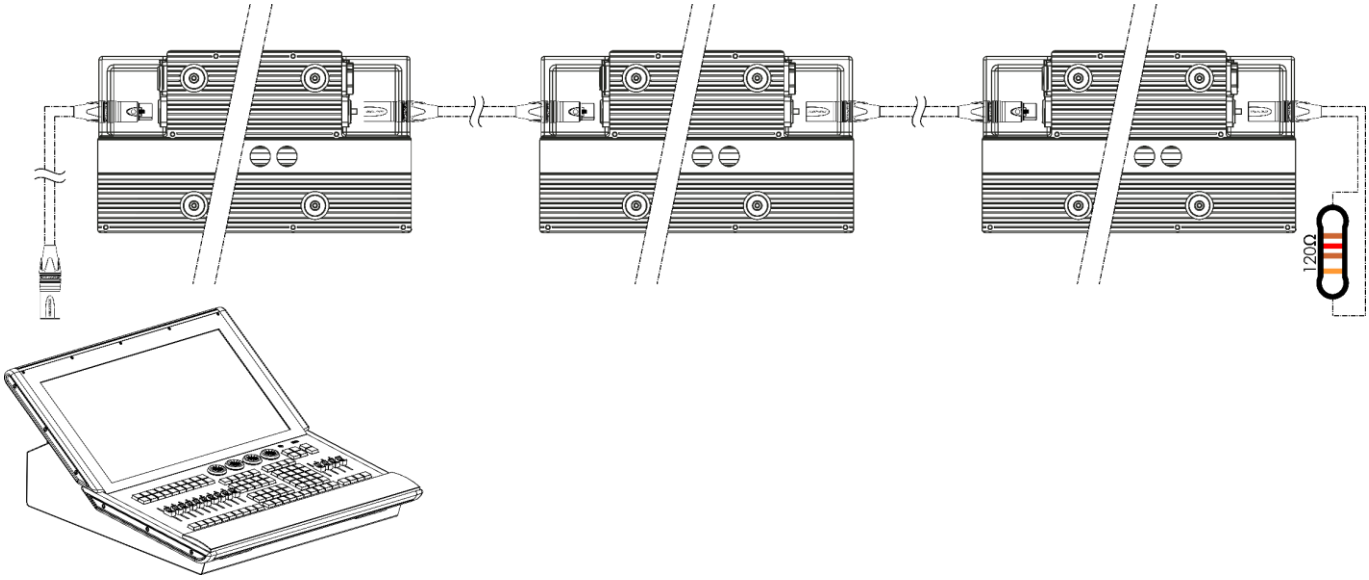


Fig. 09

5.3.5. DMX Addressing

In a setup with multiple devices, make sure that you set the DMX starting address of each device correctly. The Performer Cyc Q6 has 6 personalities: 3 channels, 7 channels, 8 channels, 10 channels, 13 channels and 20 channels.

If you want to connect multiple devices on one data link and use them in 20-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 21 (021), as 1 + 20 = 21.
03) Set the starting address of the 3rd device on the data link to 41 (041) as 21 + 20 = 41.
04) Continue assigning the starting addresses of the remaining devices by adding each time 20 to the previous number.

Make sure that you do not have any overlapping channels in order to control each Performer Cyc Q6 correctly. If two or more devices are addressed similarly, they will work similarly.

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 cyclorama wash effect. 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.

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.

6.2. Control Modes

The Performer Cyc Q6 can be operated with a DMX controller and as a stand-alone device.

The Performer Cyc Q6 supports the following control modes:
- Stand-alone: Static Colors, Built-in programs
- Master/Slave: Static Colors, Built-in programs
- DMX-512, RDM 3, 7, 8, 10, 13, 20 channels

For more information about how to connect the devices, refer to **5. Setup** on pages 14–16.

To operate the device manually as a stand-alone device or in a master/slave setup, adjust the levels for red, green, blue, amber, lime and cyan in Static menu. See **6.6.1. Static Colors** on page 22.

To run the built-in programs in auto operation mode, without a DMX controller:

01) Select one of the 10 built-in programs in Auto Program menu. See **6.6.5. Auto Programs** on page 24.
02) Set the speed of the built-in programs in Auto Program menu. See **6.6.5. Auto Programs** on page 24.

To run the preset colors without a DMX controller, select one of the 48 preset colors in Preset Color menu. See **6.6.10. Preset Colors** on page 29.

To run the custom programs, without a DMX controller:

01) Customize the editable programs in Edit menu. See **6.6.6. Edit** on page 25.
02) Select one of the 2 editable programs in Auto Program menu. See **6.6.5. Auto Programs** on page 24.

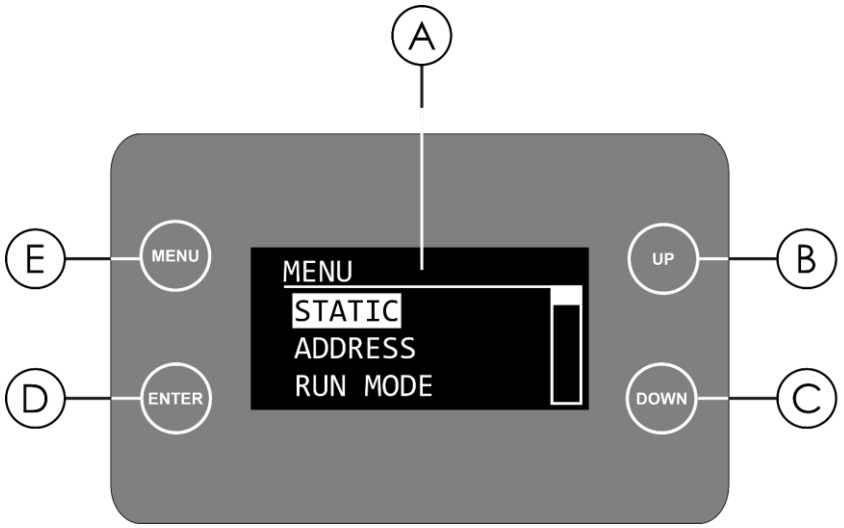
To operate multiple devices in the master/slave mode:

01) Use the first device as a master and use the remaining devices as slaves. See **6.6.3. Run Mode** on page 23.
02) Operate the master device in Static mode or Built-in Programs mode. See **6.6.1. Static Colors** on page 22 and **6.6.5. Auto Programs** on page 24.

To operate the device with a DMX controller:

01) Set the DMX starting address of the device in the Address menu. See **5.3.5. DMX Addressing** on page 16 and **6.6.2. DMX Address** on page 23.
02) Select the behavior of the device in case there is no DMX signal in the DMX Fail pop-up submenu. See **6.6.7.3. DMX Error** on page 27.
03) Select the DMX channel mode. See **6.6.4. Personality (DMX Channel Modes)** on page 24 for more information. See **6.7. DMX Channels** on pages 30–35 for complete overview of all DMX channels.

6.3. Control Panel



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

Fig. 10

- 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.

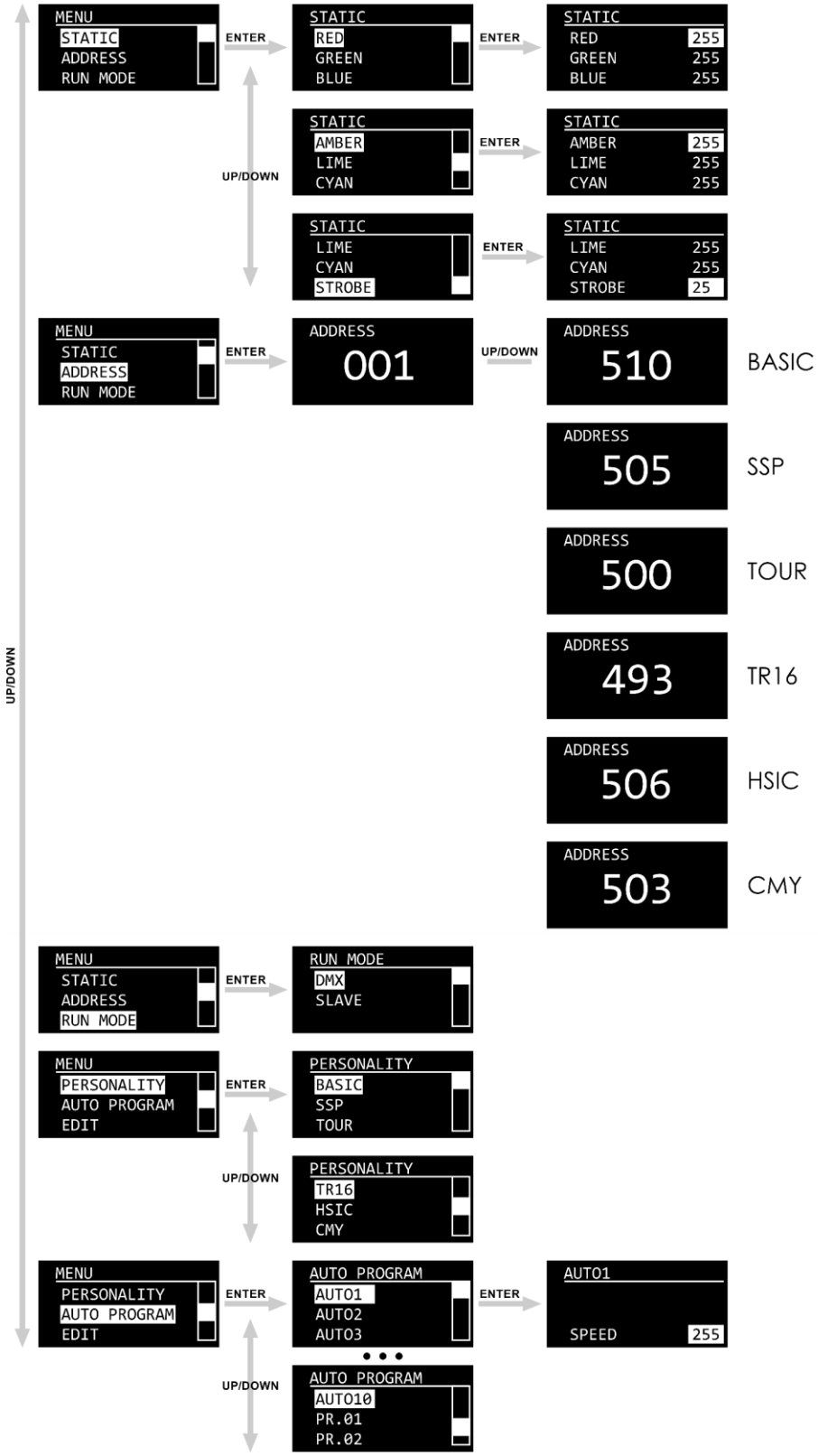
6.4. Start-up

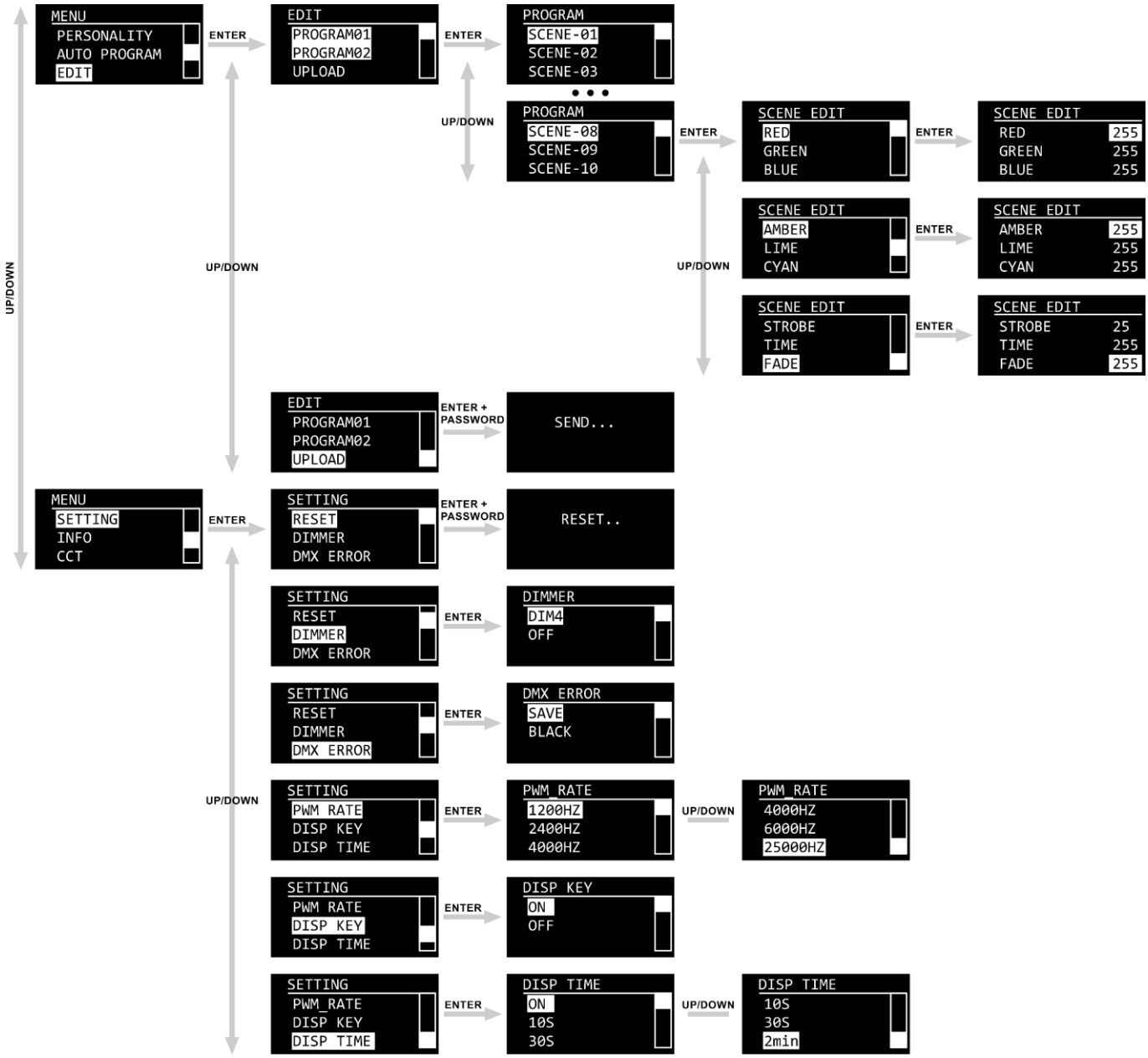
Upon start-up the display will show a splash screen with the logo of Showtec followed by the start screen. The start screen provides information about the currently active control mode, the DMX starting address and the temperature:

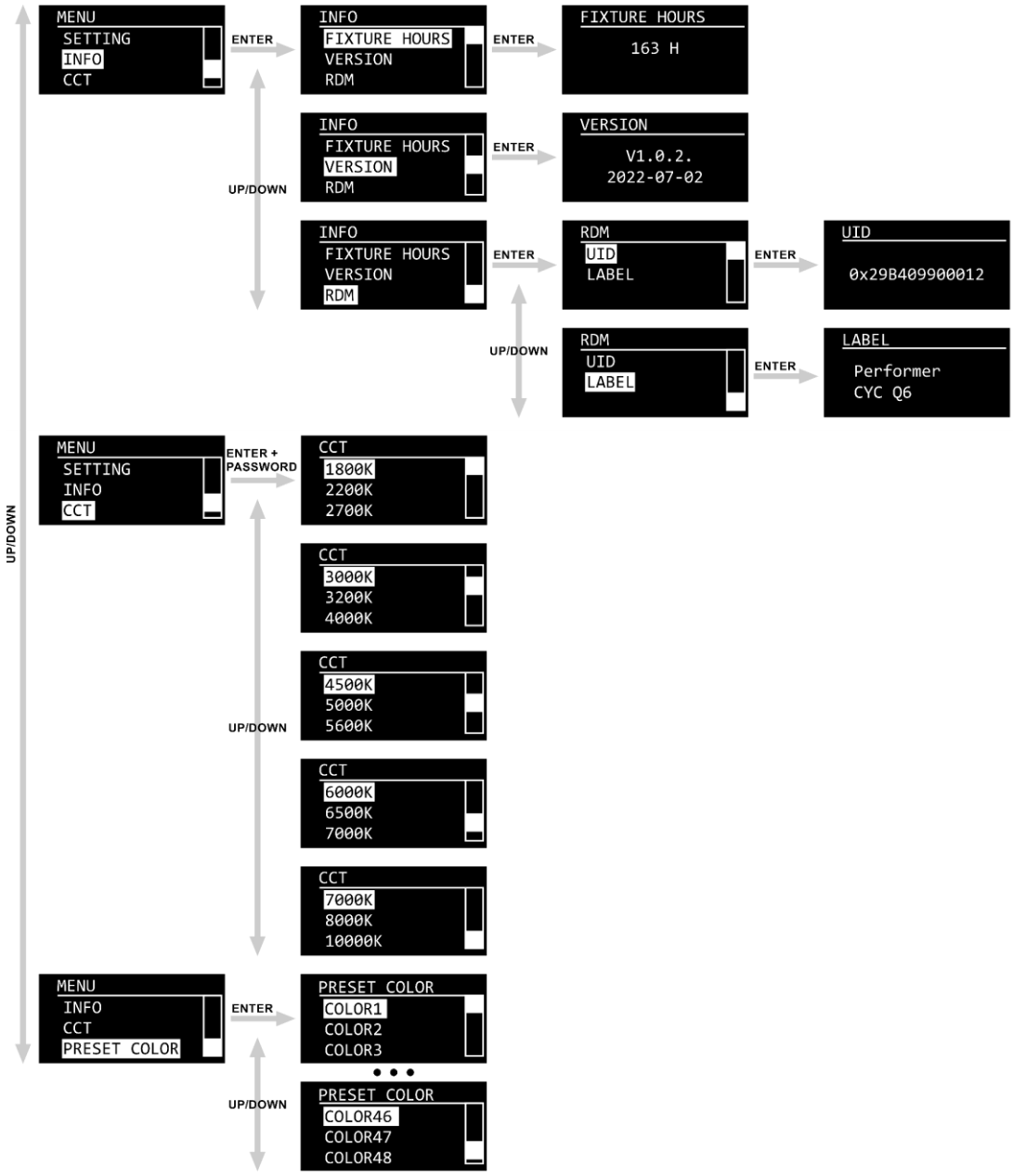
Note:

- If no button is pressed after 30 seconds of inactivity, the display will turn off. Press and hold the **MENU** button to turn on the display.
- By default the display is locked. To access the main menu, you need to enter the **password**. Press the buttons in this order: **UP**, **DOWN**, **UP**, **DOWN** and press the **ENTER** button to confirm. The display will unlock. See **6.6.7.5. Disp Key (Display Lock)** on page 27 for more information.

6.5. Menu Overview

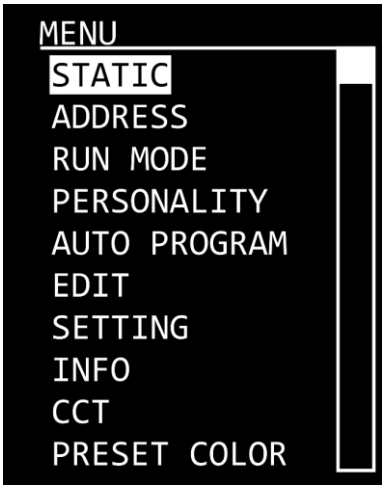



MENU
PERSONALITY
AUTO PROGRAM
EDIT
ENTER
EDIT
PROGRAM01
PROGRAM02
UPLOAD
ENTER
PROGRAM
SCENE-01
SCENE-02
SCENE-03
UP/DOWN
PROGRAM
SCENE-08
SCENE-09
SCENE-10
ENTER
SCENE EDIT
RED
GREEN
BLUE
ENTER
SCENE EDIT
RED 255
GREEN 255
BLUE 255
UP/DOWN
SCENE EDIT
AMBER
LIME
CYAN
ENTER
SCENE EDIT
AMBER 255
LIME 255
CYAN 255
SCENE EDIT
STROBE
TIME
FADE
ENTER
SCENE EDIT
STROBE 25
TIME 255
FADE 255
UP/DOWN
UP/DOWN
EDIT
PROGRAM01
PROGRAM02
UPLOAD
ENTER + PASSWORD
SEND...
MENU
SETTING
INFO
CCT
ENTER
SETTING
RESET
DIMMER
DMX ERROR
ENTER + PASSWORD
RESET..
SETTING
RESET
DIMMER
DMX ERROR
ENTER
DIMMER
DIM4
OFF
SETTING
RESET
DIMMER
DMX ERROR
ENTER
DMX ERROR
SAVE
BLACK
UP/DOWN
SETTING
PWM RATE
DISP KEY
DISP TIME
ENTER
PWM RATE
1200HZ
2400HZ
4000HZ
UP/DOWN
PWM RATE
4000HZ
6000HZ
25000HZ
SETTING
PWM RATE
DISP KEY
DISP TIME
ENTER
DISP KEY
ON
OFF
SETTING
PWM RATE
DISP KEY
DISP TIME
ENTER
DISP TIME
ON
10S
30S
UP/DOWN
DISP TIME
10S
30S
2min


MENU
SETTING
INFO
CCT
ENTER
INFO
FIXTURE HOURS
VERSION
RDM
ENTER
FIXTURE HOURS
163 H
UP/DOWN
INFO
FIXTURE HOURS
VERSION
RDM
ENTER
VERSION
V1.0.2.
2022-07-02
INFO
FIXTURE HOURS
VERSION
RDM
ENTER
RDM
UID
LABEL
ENTER
UID
0x29B409900012
UP/DOWN
RDM
UID
LABEL
ENTER
LABEL
Performer
CYC Q6
UP/DOWN
MENU
SETTING
INFO
CCT
ENTER + PASSWORD
CCT
1800K
2200K
2700K
CCT
3000K
3200K
4000K
UP/DOWN
CCT
4500K
5000K
5600K
CCT
6000K
6500K
7000K
CCT
7000K
8000K
10000K
MENU
INFO
CCT
PRESET COLOR
ENTER
PRESET COLOR
COLOR1
COLOR2
COLOR3
UP/DOWN
PRESET COLOR
COLOR46
COLOR47
COLOR48

6.6. Main Menu Options

01) Press the **UP/DOWN** buttons to select one of the following options:



- STATIC — See **6.6.1. Static Colors**
- ADDRESS — See **6.6.2. DMX Address**
- RUN MODE — See **6.6.3. Run Mode**
- PERSONALITY — See **6.6.4. Personality (DMX Channel Modes)**
- AUTO PROGRAM — See **6.6.5. Auto Programs**
- EDIT — See **6.6.6. Edit**
- SETTING — See **6.6.7. Settings**
- INFO — See **6.6.8. Information**
- CCT — See **6.6.9. CCT (Correlated Color Temperature)**
- PRESET COLOR — See **6.6.10. Preset Colors**

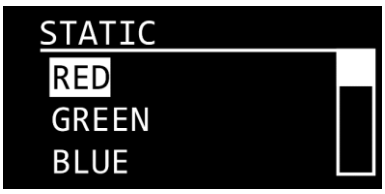
02) Press the **ENTER** button to open the submenus.

Note: Some of the submenus require a password. The default password is pressing the **UP/DOWN** buttons in the following order: **UP, DOWN, UP, DOWN, ENTER**. Deactivating the display lock does not affect the submenu items which by default require a password.

6.6.1. Static Colors

In this menu you can manually adjust the color.

01) Press the **UP/DOWN** buttons to scroll through the static colors (RED, GREEN, BLUE, AMBER, LIME, CYAN) and STROBE.



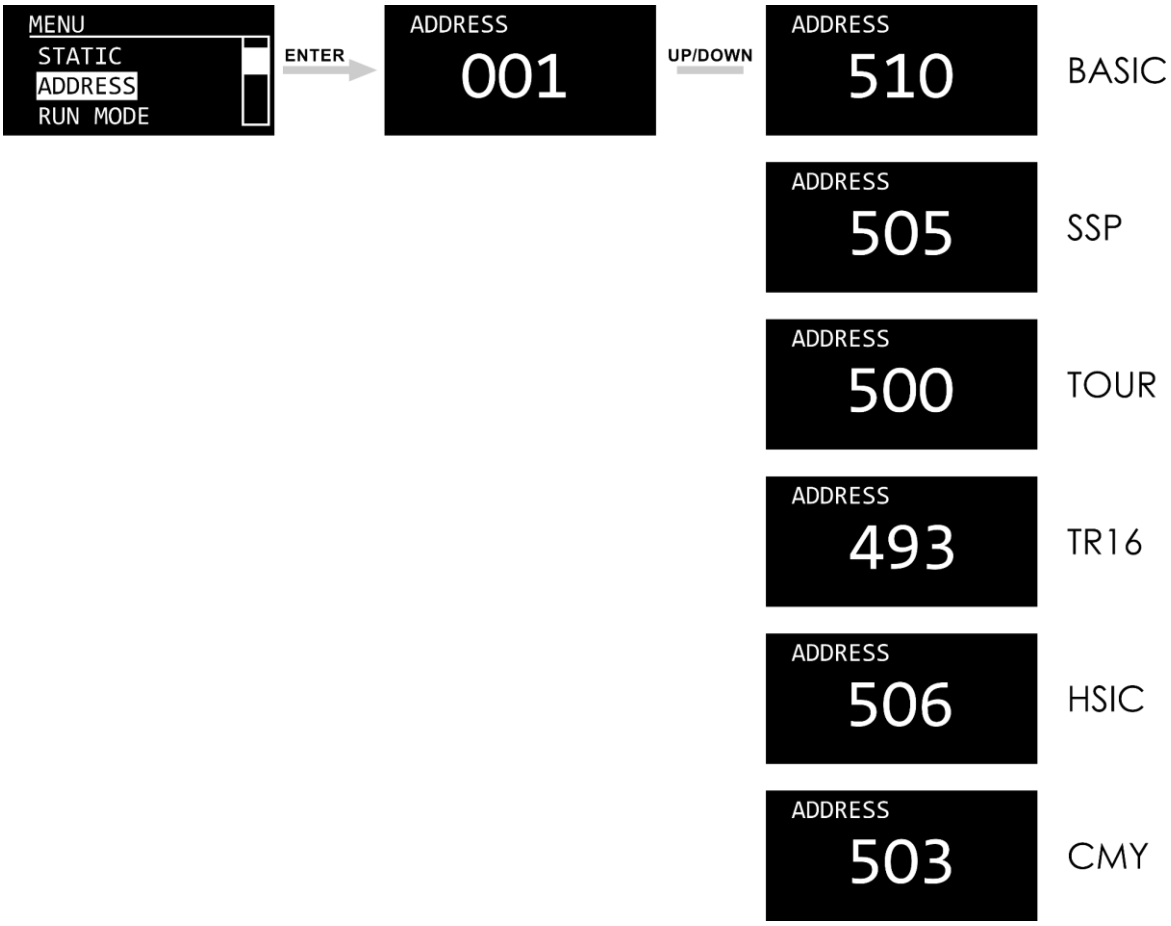
02) Press the **ENTER** button to open the submenu.
03) Press the **UP/DOWN** buttons to increase/decrease the values.
- RED, GREEN, BLUE, AMBER, LIME, CYAN: The device will use the manually selected values for color. The adjustment range is between 0–255, from low to high intensity
- STROBE: The adjustment range is between 0–25, from OFF to high frequency

04) Press the **ENTER** button to set the value and to move to the next setting.

6.6.2. DMX Address

In this menu you can set the DMX starting address of the device.

The adjustment range is between 001 and 493/500/503/505/506/510, depending on the currently selected DMX channel mode. See **6.6.4. Personality (DMX Channel Modes)** on page 24 for more information.



01) Press the **UP/DOWN** buttons to select a DMX starting address.
02) Press the **ENTER** button to confirm.

6.6.3. Run Mode

In this menu you can set the control mode of the device.

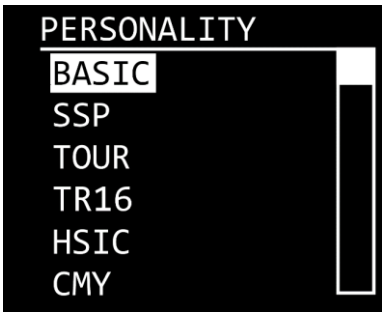
01) Press the **UP/DOWN** buttons to select one of the following 2 options:
- DMX: The device will operate in DMX mode.
- SLAVE: The device will operate as a slave in Master/Slave mode. It means that it will react the same as the master device.

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

6.6.4. Personality (DMX Channel Modes)

In this menu you can select the DMX channel mode (personality).

01) Press the **UP/DOWN** buttons to select the desired DMX channel mode. There are 6 options available:

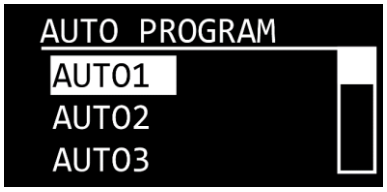


BASIC:	3 channels	**TR16**	20 channels
SSP:	8 channels	**HSIC:**	7 channels
TOUR:	13 channels	**CMY:**	10 channels

02) Press the **ENTER** button to confirm. See pages 30–35 for the DMX channel modes.

6.6.5. Auto Programs

In this menu you can select a built-in auto program or a custom program. There are 10 uneditable auto programs and 2 custom programs, which can be edited in Edit menu. See **6.6.6. Edit** on page 25 for more information.



01) Press the **UP/DOWN** buttons to select an auto program (AUTO1–10) or a custom program (PR.01–02).
02) Press the **ENTER** button to confirm. If you chose one of the auto programs (AUTO1–10), you can also adjust the program speed (0–255, from slow to fast).
03) Press the **UP/DOWN** buttons to set the program speed. The adjustment range is between 0–255, from slow to fast.

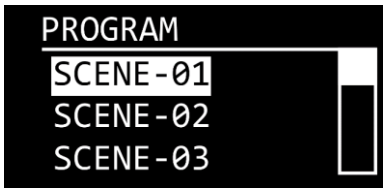
04) Press the **ENTER** button to set the speed.

6.6.6. Edit

In this menu you can edit the custom programs to create custom shows.

01) Press the **UP/DOWN** buttons to select one of the 3 options:
- PROGRAM01–02: Select the custom program you want to edit
- UPLOAD: Transfer custom programs to another Performer Cyc Q6

02) Press the **ENTER** button to confirm. Each custom program has 10 editable scenes:



03) Press the **UP/DOWN** buttons to select a scene.
04) Press the **ENTER** button to enter the scene settings.
05) Press the **UP/DOWN** buttons to scroll through the 6 colors (RED, GREEN, BLUE, AMBER, LIME, CYAN), STROBE, TIME and FADE.
06) Press the **ENTER** button to edit the settings.

07) Press the **UP/DOWN** buttons to increase/decrease the values.
- RED, GREEN, BLUE, AMBER, LIME, CYAN: The device will use the manually selected values for color. The adjustment range is between 0–255, from low to high intensity
- STROBE: The adjustment range is between 0–25, from OFF to high frequency
- TIME (scene duration): The adjustment range is between 0–255, from 0 to 255 seconds
- FADE (transition time between the scenes): The adjustment range is between 0–255, from 0 to 255 seconds

08) Press the **ENTER** button to set the value and to move to the next setting.

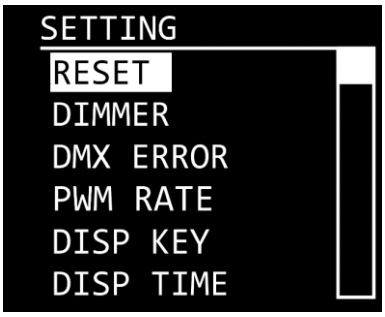
Note:

For each custom program you can create 10 scenes which makes it possible to create 20 customized scenes in total.

6.6.7. Settings

In this menu you can adjust the settings of the device. This menu requires the **password**. The default password is pressing the **UP/DOWN** buttons in the following order: **UP, DOWN, UP, DOWN**.

01) Enter the password to open the menu.
02) Press the **ENTER** button to confirm the password.
03) Press the **UP/DOWN** buttons to scroll through the following options:



The available options are:

- RESET: See **6.6.7.1. Reset**
- DIMMER: See **6.6.7.2. Dimmer**
- DMX ERROR: See **6.6.7.3. DMX Error**
- PWM RATE: See **6.6.7.4. PWM Rate**
- DISP KEY: See **6.6.7.5. Disp Key (Display Lock)**
- DISP TIME: See **6.6.7.6. Display Time**

04) Press the **ENTER** button to open submenus.

6.6.7.1. Reset

In this submenu you can restore the default factory settings and reset the custom programs.

01) Enter the password, pressing the buttons in the following order: **UP, DOWN, UP, DOWN**.
02) Press the **ENTER** button to confirm. During reset the display shows:

When the resetting is finished, the display shows OK.
03) Press the **ENTER** button to confirm and exit the submenu.

6.6.7.2. Dimmer

In this submenu you can adjust the dimmer speed.

01) Press the **UP/DOWN** buttons to select one of the 2 options:
    - DIM 4: Non-linear dimmers
    - OFF: Linear dimmer
02) Press the **ENTER** button to confirm.

6.6.7.3. DMX Error

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

01) Press the **UP/DOWN** buttons to toggle between the following 2 options:
- SAVE: The device will use the last correctly received DMX signal
- BLACK: The device will black out the light output

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

6.6.7.4. PWM Rate

In this submenu you can set the PWM (Pulse Width Modulation) frequency. The higher the PWM frequency, the lower the grayscale of the dimmer.

01) Press the **UP/DOWN** buttons to select a PWM frequency. The available options are: 1200 Hz, 2400 Hz, 4000 Hz, 6000 Hz and 25000 Hz.
02) Press the **ENTER** button to confirm.

6.6.7.5. Disp Key (Display Lock)

In this menu you can activate the display lock. Deactivating the display lock does not affect the submenu items which by default require a password.

Press the **UP/DOWN** buttons to select ON or OFF.

- ON: The display turns off after 30 seconds of inactivity. To access the main menu, you will need to enter the password. The default password is pressing the **UP/DOWN** buttons in the following order: **UP, DOWN, UP, DOWN, ENTER**.
- OFF: The main menu remains unlocked after the display turns off.

6.6.7.6. Disp Time

In this submenu you can set when the display turns off, when no buttons are pressed.

01) Press the **UP/DOWN** buttons to select 10 seconds, 30 seconds, 2 minutes or ON (display continuously on).
02) Press the **ENTER** button to confirm.

6.6.8. Information

In this menu you can view the total operation time, current firmware version and the RDM details of the device.

01) Press the **UP/DOWN** buttons to scroll through the following options:

The available options are:

- FIXTURE HOURS: See **6.6.8.1. Fixture Hours**
- VERSION: See **6.6.8.2. Version**
- RDM: See **6.6.8.3. RDM**

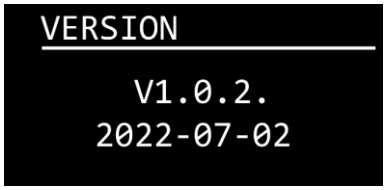
02) Press the **ENTER** button to open submenus.

6.6.8.1. Fixture Hours

In this submenu you can view the total operation time of the device.

6.6.8.2. Version

In this submenu you can view the version of the installed firmware.



6.6.8.3. RDM

In this submenu you can view the RDM details of the device.

01) Press the **UP/DOWN** buttons to select one of the 2 options:
- UID: The unique ID number of the device (29B4:09*****)
- LABEL: The name of the device

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

6.6.9. CCT (Correlated Color Temperature)

In this menu you can calibrate the color temperature. This menu requires the **password**. The default password is pressing the **UP/DOWN** buttons in the following order: **UP**, **DOWN**, **UP**, **DOWN**, **ENTER**.

01) Enter the password to open the menu. The display shows:

02) Press the **UP/DOWN** buttons to select a color temperature. The available options are: 1800 K, 2200 K, 2700 K, 3000 K, 3200 K, 4000 K, 4500 K, 5000 K, 5600 K, 6000 K, 6500 K, 7000 K, 8000 K and 10000 K.
03) Press the **ENTER** button to confirm.

6.6.10. Preset Colors

In this menu you can select a preset color.

01) Press the **UP/DOWN** buttons to select one of the 48 color presets
02) Press the enter button to confirm.

6.7. DMX Channels

6.7.1. BASIC (3 CH), SSP (8 CH), TOUR (13 CH), TR16 (20 CH)

3 CH (BASIC)	8 CH (SSP)	13 CH (TOUR)	20 CH (TR16)	Function	Value	Setting		
1	1	1	1	Master Dimmer	000–255	From low to high intensity (0–100 %)		
			2	Dimmer Fine	000–255	From low to high intensity (0–100 %)		
	2	2	3	Red	000–255	From low to high intensity (0–100 %)		
			4	Red Fine	000–255	From low to high intensity (0–100 %)		
	3	3	5	Green	000–255	From low to high intensity (0–100 %)		
			6	Green Fine	000–255	From low to high intensity (0–100 %)		
	4	4	7	Blue	000–255	From low to high intensity (0–100 %)		
			8	Blue Fine	000–255	From low to high intensity (0–100 %)		
	5	5	9	Amber	000–255	From low to high intensity (0–100 %)		
			10	Amber Fine	000–255	From low to high intensity (0–100 %)		
	6	6	11	Lime	000–255	From low to high intensity (0–100 %)		
			12	Lime Fine	000–255	From low to high intensity (0–100 %)		
	7	7	13	Cyan	000–255	From low to high intensity (0–100 %)		
			14	Cyan Fine	000–255	From low to high intensity (0–100 %)		
2		8	15	Color Presets	000–010	No function		
					011–015	Color 1	Loving Amber	L176
					016–020	Color 2	Light Salmon	R40
					021–025	Color 3	Scarlet	L24
					026–030	Color 4	Flame Red	L164
					031–035	Color 5	Easy White	L747
					036–040	Color 6	Warm Peach	R303
					041–045	Color 7	Dark Salmon	L08
					046–050	Color 8	Sunset Red	L25
					051–055	Color 9	Medium Bastard Amber	L04
					056–060	Color 10	CID(To Tungsten)	L237
					061–065	Color 11	Soft Golden Amber	R321
					066–070	Color 12	Urban Sodium	L652
					071–075	Color 13	LCT Yellow(Y1)	L212
					076–080	Color 14	LEE Yellow	L765
					081–085	Color 15	Ice And A Slice	L513
					086–090	Color 16	Spring Yellow	L100
					091–095	Color 17	LEE Plus Green	L244
					096–100	Color 18	CalColor 30 Green	R4430
					101–105	Color 19	Fern Green	L122
					106–110	Color 20	Dark Yellow Green	L90
					111–115	Color 21	LEE Fluorescent 3600 K	L243
					116–120	Color 22	Turquoise	R92
					121–125	Color 23	Kelly Green	R94
					126–130	Color 24	Forest Green	L327
					131–135	Color 25	Cosmetic Aqua Blue	L191
					136–140	Color 26	Steel Green	L728
					141–145	Color 27	Steel Blue	L117
					146–150	Color 28	Special Steel Blue	L354
					151–155	Color 29	Paler Lavender	L53
					156–160	Color 30	New Colour Blue	L501
					161–165	Color 31	Dark Steel Blue	L174
					166–170	Color 32	Daylight Blue	L165
					171–175	Color 33	Pale Lavender	L136
					176–180	Color 34	Surprise Pink	L194
					181–185	Color 35	Pale Violet	L142

3 CH (BASIC)	8 CH (SSP)	13 CH (TOUR)	20 CH (TR16)	Function	Value	Setting		
					186–190	Color 36	Perfect Lavender	L700
					191–195	Color 37	Light Pink	L35
					196–200	Color 38	Pretty'n Pink	L794
					201–205	Color 39	Follies Pink	L328
					206–210	Color 40	Magical Magenta	L795
					211–215	Color 41	Pale Rose	L154
					216–220	Color 42	Smokey Pink	L127
					221–225	Color 43	Flesh Pink	L192
					226–230	Color 44	Special Rose Pink	L332
					231–235	Color 45	Moroccan Pink	L790
					236–240	Color 46	Pink	L157
					241–245	Color 47	Cherry Rose	R332
					246–250	Color 48	Cool LED Bright Pink	L128
					251–255	No function		
3		**9**	**16**	**CCT**	000–009	No function		
					010	1800 K		
					011-025	1800–2200 K		
					026–040	2200–2700 K		
					041–055	2700–3000 K		
					056–070	3000–3200 K		
					071–085	3200–4000 K		
					086–100	4000–4500 K		
					101–115	4500–5000 K		
					116–130	5000–5600 K		
					131–145	5600–6000 K		
					146–160	6000–6500 K		
					161–175	6500–7000 K		
					176–190	7000–8000 K		
					191–205	8000–10000 K		
					206–255	10000 K		
		10	**17**	**Auto Programs**	000–040	No function		
					041–050	Auto 1		
					051–060	Auto 2		
					061–070	Auto 3		
					071–080	Auto 4		
					081–090	Auto 5		
					091–100	Auto 6		
					101–110	Auto 7		
					111–120	Auto 8		
					121–130	Auto 9		
					131–140	Auto 10		
					141–150	Custom program 1	Use Edit menu to manually set Time and Fade.	
					151–160	Custom program 2		
					161–255	No Function		
		11	**18**	**Speed**	000–255	Program speed adjustment, from slow to fast		
					000–009	No function		
					010–099	Strobe, from low to high frequency (0–25 Hz)		
	8	**12**	**19**	**Strobe**	100–109	No function		
					110–179	Lightning strobe, from low to high frequency (0–25 Hz)		
					180–189	No function		

3 CH (BASIC)	8 CH (SSP)	13 CH (TOUR)	20 CH (TR16)	Function	Value	Setting
					190–255	Random strobe, from low to high frequency (0–25 Hz)
		13	20	Control Mode	000–010	No Function
					011–100	Reserved
					101–110	Dimmer Off
					111–120	Dimmer Mode 4
					121–150	Reserved
					151–160	1200 Hz
					161–170	2400 Hz
					171–180	4000 Hz
					181–190	6000 Hz
					191–200	25000 Hz
					201–210	All Reset
					211–255	Reserved

Note: Make sure that the Master Dimmer channel is open in order to see the light output.

6.7.2. HSIC (7 CH)

7 CH (HSIC)	Function	Value	Setting
1	Intensity	000–255	From low to high intensity (0–100 %)
2	Hue	000–255	From low to high intensity (0–100 %)
3	Hue Fine	000–255	From low to high intensity (0–100 %)
4	Saturation	000–255	From low to high intensity (0–100 %)
5	CCT	000–009	No function
		010	1800 K
		011-025	1800–2200 K
		026–040	2200–2700 K
		041–055	2700–3000 K
		056–070	3000–3200 K
		071–085	3200–4000 K
		086–100	4000–4500 K
		101–115	4500–5000 K
		116–130	5000–5600 K
		131–145	5600–6000 K
		146–160	6000–6500 K
		161–175	6500–7000 K
		176–190	7000–8000 K
		191–205	8000–10000 K
		206–255	10000 K
6	Strobe	000–009	No function
		010–099	Strobe, from low to high frequency (0–25 Hz)
		100–109	No function
		110–179	Lightning strobe, from low to high frequency (0–25 Hz)
		180–189	No function
		190–255	Random strobe, from low to high frequency (0–25 Hz)
7	Control Mode	000–010	No Function
		011–100	Reserved
		101–110	Dimmer Off
		111–120	Dimmer Mode 4
		121–150	Reserved
		151–160	1200 Hz
		161–170	2400 Hz

7 CH (HSIC)	Function	Value	Setting
		171–180	4000 Hz
		181–190	6000 Hz
		191–200	25000 Hz
		201–210	All Reset
		211–255	Reserved

6.7.3. CMY (10 CH)

10 CH (CMY)	Function	Value	Setting		
1	Master Dimmer	000–255	From low to high intensity (0–100 %)		
2	Cyan	000–255	From low to high intensity (0–100 %)		
3	Magenta	000–255	From low to high intensity (0–100 %)		
4	Yellow	000–255	From low to high intensity (0–100 %)		
5	Color Presets	000–010	No function		
		011–015	Color 1	Loving Amber	L176
		016–020	Color 2	Light Salmon	R40
		021–025	Color 3	Scarlet	L24
		026–030	Color 4	Flame Red	L164
		031–035	Color 5	Easy White	L747
		036–040	Color 6	Warm Peach	R303
		041–045	Color 7	Dark Salmon	L08
		046–050	Color 8	Sunset Red	L25
		051–055	Color 9	Medium Bastard Amber	L04
		056–060	Color 10	CID(To Tungsten)	L237
		061–065	Color 11	Soft Golden Amber	R321
		066–070	Color 12	Urban Sodium	L652
		071–075	Color 13	LCT Yellow(Y1)	L212
		076–080	Color 14	LEE Yellow	L765
		081–085	Color 15	Ice And A Slice	L513
		086–090	Color 16	Spring Yellow	L100
		091–095	Color 17	LEE Plus Green	L244
		096–100	Color 18	CalColor 30 Green	R4430
		101–105	Color 19	Fern Green	L122
		106–110	Color 20	Dark Yellow Green	L90
		111–115	Color 21	LEE Fluorescent 3600 K	L243
		116–120	Color 22	Turquoise	R92
		121–125	Color 23	Kelly Green	R94
		126–130	Color 24	Forest Green	L327
		131–135	Color 25	Cosmetic Aqua Blue	L191
		136–140	Color 26	Steel Green	L728
		141–145	Color 27	Steel Blue	L117
		146–150	Color 28	Special Steel Blue	L354
		151–155	Color 29	Paler Lavender	L53
		156–160	Color 30	New Colour Blue	L501
		161–165	Color 31	Dark Steel Blue	L174
		166–170	Color 32	Daylight Blue	L165
		171–175	Color 33	Pale Lavender	L136
		176–180	Color 34	Surprise Pink	L194
		181–185	Color 35	Pale Violet	L142
		186–190	Color 36	Perfect Lavender	L700
		191–195	Color 37	Light Pink	L35
		196–200	Color 38	Pretty'n Pink	L794
		201–205	Color 39	Follies Pink	L328

10 CH (CMY)	Function	Value	Setting		
		206–210	Color 40	Magical Magenta	L795
		211–215	Color 41	Pale Rose	L154
		216–220	Color 42	Smokey Pink	L127
		221–225	Color 43	Flesh Pink	L192
		226–230	Color 44	Special Rose Pink	L332
		231–235	Color 45	Moroccan Pink	L790
		236–240	Color 46	Pink	L157
		241–245	Color 47	Cherry Rose	R332
		246–250	Color 48	Cool LED Bright Pink	L128
		251–255	No function		
6	**CCT**	000–009	No function		
		010	1800 K		
		011-025	1800–2200 K		
		026–040	2200–2700 K		
		041–055	2700–3000 K		
		056–070	3000–3200 K		
		071–085	3200–4000 K		
		086–100	4000–4500 K		
		101–115	4500–5000 K		
		116–130	5000–5600 K		
		131–145	5600–6000 K		
		146–160	6000–6500 K		
		161–175	6500–7000 K		
		176–190	7000–8000 K		
		191–205	8000–10000 K		
		206–255	10000 K		
7	**Auto Programs**	000–040	No function		
		041–050	Auto 1		
		051–060	Auto 2		
		061–070	Auto 3		
		071–080	Auto 4		
		081–090	Auto 5		
		091–100	Auto 6		
		101–110	Auto 7		
		111–120	Auto 8		
		121–130	Auto 9		
		131–140	Auto 10		
		141–150	Custom program 1	Use Edit menu to manually set Time and Fade.	
		151–160	Custom program 2		
		161–255	No Function		
8	**Speed**	000–255	Program speed adjustment, from slow to fast		
9	**Strobe**	000–009	No function		
		010–099	Strobe, from low to high frequency (0–25 Hz)		
		100–109	No function		
		110–179	Lightning strobe, from low to high frequency (0–25 Hz)		
		180–189	No function		
		190–255	Random strobe, from low to high frequency (0–25 Hz)		
10	**Dimmer Mode**	000–010	No Function		
		011–100	Reserved		
		101–110	Dimmer Off		
		111–120	Dimmer Mode 4		
		121–150	Reserved		

10 CH (CMY)	Function	Value	Setting
		151–160	1200 Hz
		161–170	2400 Hz
		171–180	4000 Hz
		181–190	6000 Hz
		191–200	25000 Hz
		201–210	All Reset
		211–255	Reserved

6.8. RDM Information

This device supports RDM. Refer to **6.9.2. Supported RDM PIDs for the Device** for more information.

6.8.1. RDM Details

- Responder ID: 29B4:099XXXXX
- Manufacturer's ID: Showtec (Highlite International B.V.)
- Manufacturer Label: Showtec
- Model Description: Performer CYC
- Model ID: 153 (099 hexadecimal)
- Device Label: Performer CYC

Note: An RDM responder ID consists of 3 parts:

- 1st part – 4 digits – Manufacturer's ID
- 2nd part – 3 digits – Model ID
- 3rd part – 5 digits – Unique ID

The RDM responder IDs of all products of Highlite International start with the same 4 digits. The first 7 digits of the RDM responder ID for each model are the same. The last 5 digits are different for each device.

6.8.2. Supported RDM PIDs for the Device

Parameter ID	Value	Required	GET	SET
DISC_UNIQUE_BRANCH	0x0001	*		
DISC_MUTE	0x0002	*		
DISC_UN_MUTE	0x0003	*		
COMMS_STATUS	0x0015		*	*
STATUS_MESSAGES	0x0030		*	
STATUS_ID_DESCRIPTION	0x0031		*	
CLEAR_STATUS_ID	0x0032			*
SUPPORTED_PARAMETERS	0x0050	*	*	
DEVICE_INFO	0x0060	*	*	
DEVICE_MODEL_DESCRIPTION	0x0080		*	
MANUFACTURER_LABEL	0x0081		*	
DEVICE_LABEL	0x0082		*	*
FACTORY_DEFAULTS	0x0090		*	*
LANGUAGE_CAPABILITIES	0x00A0		*	
LANGUAGE	0x00B0		*	*
SOFTWARE_VERSION_LABEL	0x00C0	*	*	
DMX_PERSONALITY	0x00E0		*	*
DMX_PERSONALITY_DESCRIPTION	0x00E1		*	
DMX_START_ADDRESS	0x00F0	*	*	*
SLOT_INFO	0x0120		*	
SLOT_DESCRIPTION	0x0121		*	
SENSOR_DEFINITION	0x0200		*	
SENSOR_VALUE	0x0201		*	*
RECORD_SENSORS	0x0202			*
CURVE	0x0343		*	*
CURVE_DESCRIPTION	0x0344	*	*	
MODULATION_FREQUENCY	0x0347		*	*
MODULATION_FREQUENCY_ DESCRIPTION	0x0348	*	*	
IDENTIFY_DEVICE	0x1000	*	*	*

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.

Problem	Probable cause(s)	Solution
The device does not function at all	No power to the device	• Check if power is switched on and cables are plugged in
	Internal fuse is blown	• Disconnect the device and contact your Highlite International dealer
The device responds erratically	The factory settings of the device are changed	• Reset the device's parameters to the default factory settings. See **6.6.7.1. Reset** on page 26
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	• Try using another controller
The device responds erratically to DMX control	Bad data link connection	• Examine connections and cables. Correct poor 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	• Check address settings and correct, if necessary
	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
No light or LEDs cut out intermittently	LEDs are damaged	• Disconnect the device and contact your Highlite International dealer
	The power supply settings do not match local AC voltage and frequency	• Disconnect the device. Check the settings and correct, if necessary

8. Maintenance

8.1. Safety Instructions for Maintenance

DANGER
Electric shock caused by dangerous voltage inside

Disconnect power supply before servicing or cleaning.

8.2. 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, fixations and installation points.
- The lens is not cracked or damaged.
- The power cables are not damaged and do not show any material fatigue.

8.2.1. 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 DMX and other connections with a damp cloth.

Attention

- Do not immerse the device in liquid.
- Do not use alcohol or solvents.
- Make sure that the connections are fully dry before connecting the device to the power supply and to other devices.

8.2.2. Draining Condensation Water

The Performer Cyc Q6 is IP65 rated. The device can resist water jets. If the device is exposed to extreme humid conditions during servicing, condensation may collect inside the device. This can happen also during transportation, if the device is exposed to extreme temperature variations.

If condensation water collects inside the device, follow the steps below to remove the condensation water:

01) Carefully remove the **protective vent (03)** with a wrench (16 mm).

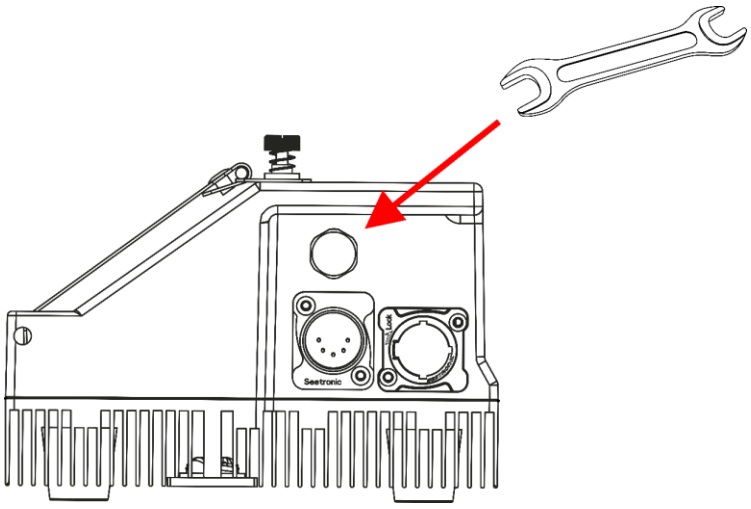


Fig. 11

02) Let the device operate at full output for 60 minutes.
03) Let the device cool down for 30 minutes.
04) Install the **protective vent (03)** back in place. Make sure that you do not overtighten it.

8.3. 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.

9. Deinstallation, Transportation and Storage

9.1. Instructions for Deinstallation

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

- Let the device cool down before dismounting.
- Disconnect power supply before deinstallation.
- 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.

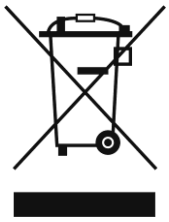
9.2. Instructions for Transportation

- Use the original packaging to transport the device, if possible.
- Always observe the handling instructions printed on the outer carton box, for example: “Handle with care”, “This side up”, “Fragile”.

9.3. Storage

- Clean the device before storing. Follow the cleaning instructions in chapter **8.2.1. Basic Cleaning Instructions** on page 38.
- Store the device in the original packaging, if possible.

10. Disposal



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

Check the respective product page on the website of Highlite International (www.highlite.com) for an available declaration of conformity.