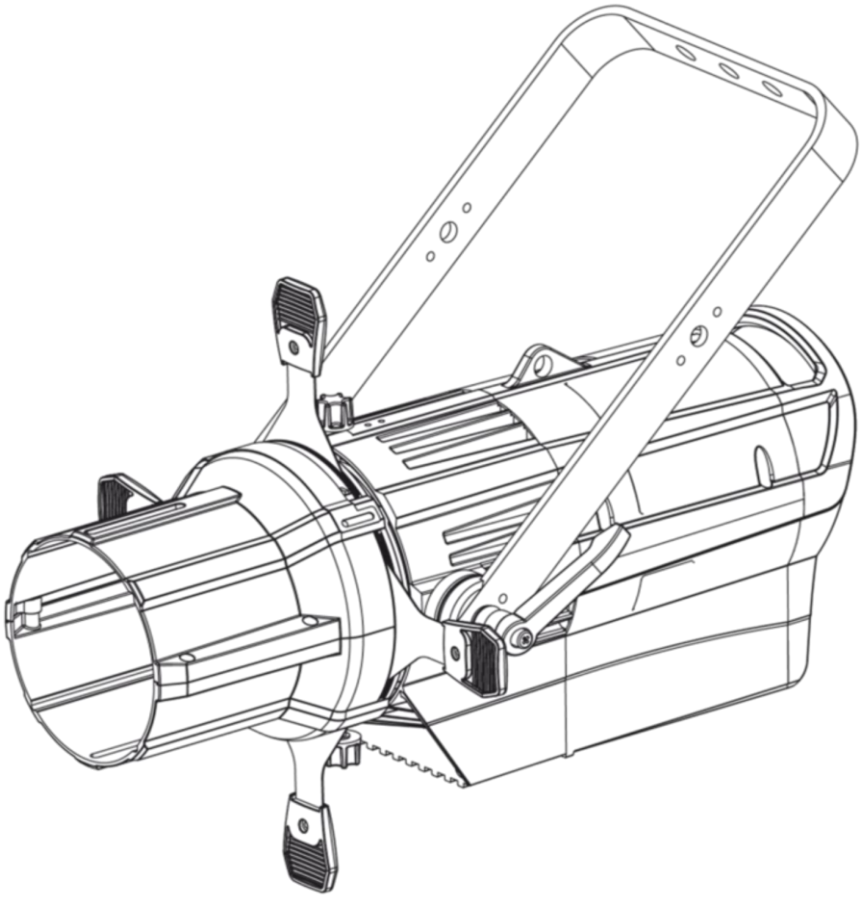
USER MANUAL



ENGLISH

Performer Profile 700 Q6 V1

Product code: 33067

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
- Installation and operation of the device
- Intended and non-intended use 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.

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

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 Profile 700 Q6
- Schuko to power pro cable (1,5 m)
- Safety cable
- User manual

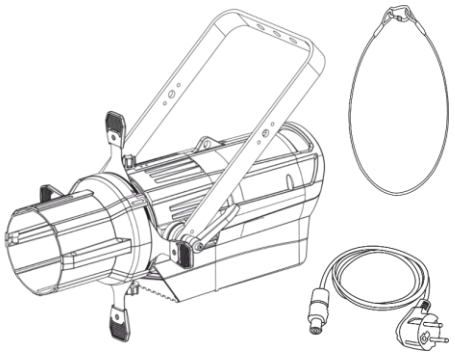


Fig. 01

1.2. Intended Use

This device is intended for use as a professional stage luminaire and is suitable for indoor installation only. It is not suitable for households or 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 it is not in use. This will reduce wear and improve the device's lifespan.

1.4. LEDs Lifespan

The light output of LEDs gradually decrease over time (lumen depreciation). High operating temperatures contribute to this process. The lifespan of LEDs can be extended by ensuring 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 serious injury or death.
	**WARNING**	Indicates an imminently hazardous situation which, if not avoided, could result in serious injury or death.
	**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.
		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 of the device.

The information label contains the following symbols:

	This device is designed for indoor use.
	This device falls under IEC protection class I.
	This device shall not be treated as household waste.

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 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 ground (earth) connection.
- Do not cover the ground (earth) connection.
- Do not bypass the thermostatic switch or fuses.
- For replacement use fuses of the same type and rating only.
- 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.

WARNING
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.

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 this 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 fails to work properly, discontinue use immediately.

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

This device is designed to be used as a professional stage luminaire. 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 IP20 rated. 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. Installation, service and maintenance 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 service of this product, so that they can identify risks and take precautions to avoid them.

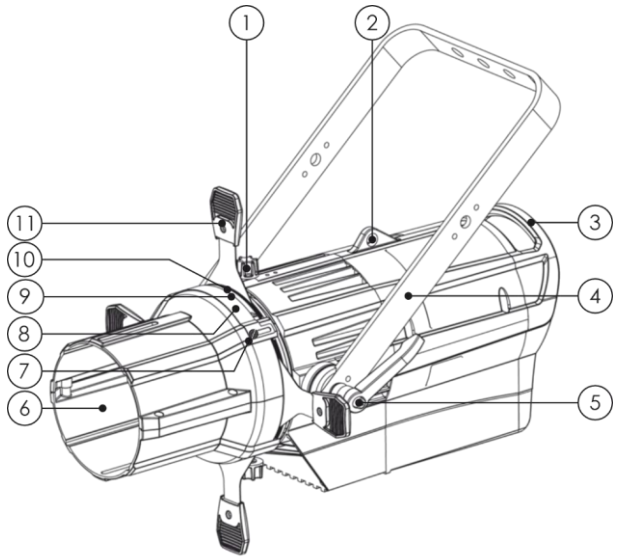
Skilled persons have training or experience, which enables them to recognize risks and to avoid hazards associated with the installation, service and maintenance of this product.

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 Profile 700 Q6 is a professional stage luminaire with an iris slot and a gobo slot. It is equipped with four shutters.

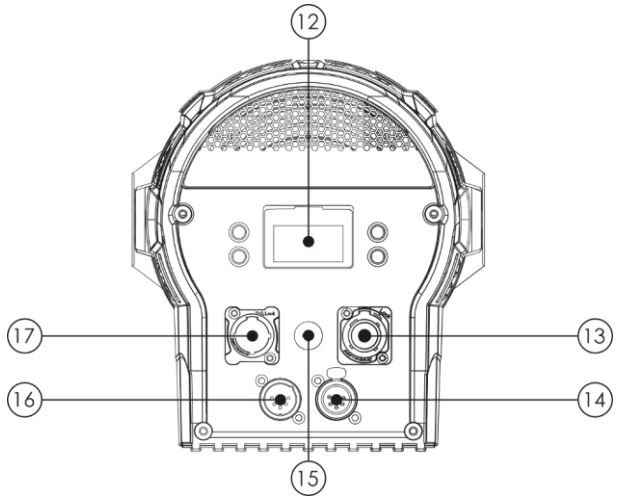
3.1. Front View



01) Barrel screw (x2)
02) Safety eye 1
03) Safety eye 2
04) Mounting bracket
05) Adjustment handle
06) Barrel
07) Iris slot screw
08) Iris slot cover
09) Iris slot
10) Gobo slot
11) Shutter (x4)

Fig. 02

3.2. Back View



12) Control panel: OLED display and control buttons
13) Power-pro connector OUT 100–240 V
14) 5-pin DMX signal connector OUT
15) Fuse T 6.3 A
16) 5-pin DMX signal connector IN
17) Power-pro connector IN 100–240 V

Fig. 03

3.3. Product Specifications

Model:	Performer Profile 700 Q6

Electrical:	
Input voltage:	100–240 V AC, 50/60 Hz
Power consumption:	300 W
Fuse:	T 6,3 A / 250 V

Physical:	
Dimensions:	685 x 238 x 499 mm (L x W x H) (without accessories)
Weight:	8 kg (without accessories)

Optics:	
Light source:	1 x 300 W RGBACL LED
Dimmer:	0–100 %
Strobe:	0–25 Hz
Output:	23862 lx @ 2 m, 10605 lx @ 3 m, 3818 lx @ 5 m
CRI:	95
CCT:	1800–10000 K
Luminous flux (Total):	10276 lm
Luminous flux (Red):	1289 lm
Luminous flux (Green):	2119 lm
Luminous flux (Blue):	295 lm
Luminous flux (Amber):	1720 lm
Luminous flux (Lime):	3756 lm
Luminous flux (Cyan):	857 lm
Refresh rate:	1200 Hz–25 kHz

Operation and control:	
Control:	Stand-alone (manual), master/slave, DMX-512
DMX channels:	BASIC (3 channels), HSIC (7 channels), SSP (8 channels), CMY (10 channels), TOUR (13 channels), TR16 (20 channels)
Control panel:	OLED display and buttons

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

Construction:	
Housing:	Aluminum
Color:	Black
IP rating:	IP20
Cooling:	Convection/Axial fan

Thermal:	
Maximum ambient temperature t_a:	45 °C
Minimum ambient temperature t_a:	0 °C

Minimum distance:	
Minimum distance from flammable surfaces:	0,5 m

3.4. Optional Accessories

- Product code: 33070 (Zoom Lens for Performer Profile)
- Product code: 33071 (Zoom Lens for Performer Profile)
- Product code: 33072 (19° Lens for Performer Profile)
- Product code: 33073 (36° Lens for Performer Profile)
- Product code: 33074 (50° Lens for Performer Profile)
- Product code: 33075 (26° Lens for Performer Profile)
- Product code: 33076 (Iris for Performer)
- Product code: 33077 (Gobo Holder with Soft Edge for Performer Profile)
- Product code: 33078 (Metal Gobo Holder for Performer Profile)
- Product code: 33079 (Glass Gobo Holder for Performer Profile)

3.5. Dimensions

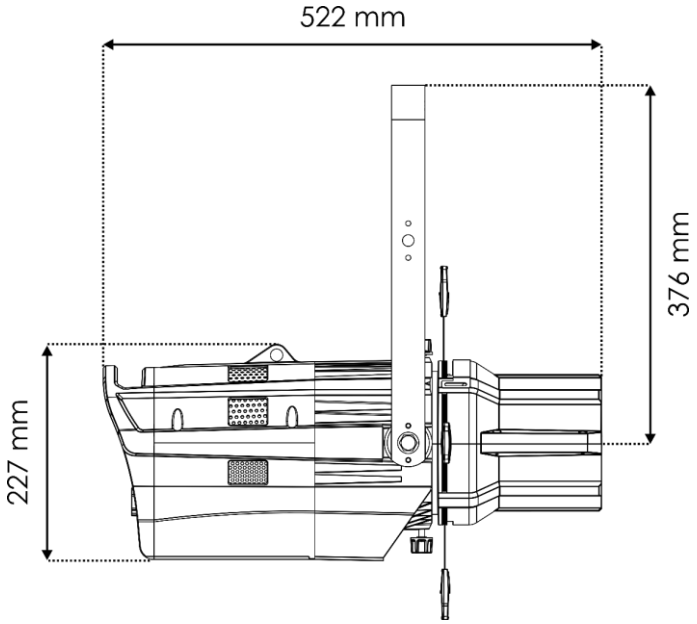


Fig. 04

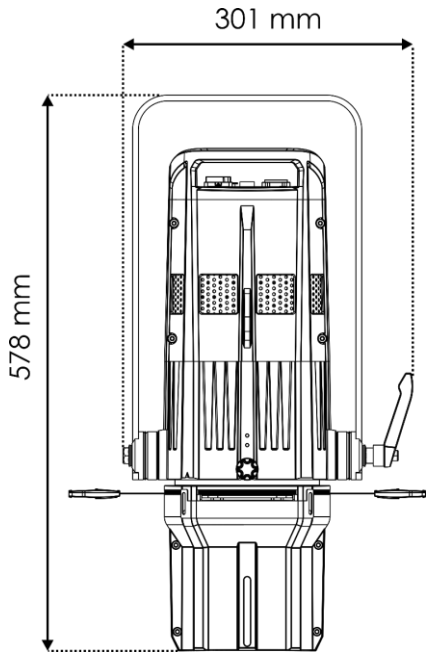


Fig. 05

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. Installation Site Requirements

- The device can be used indoors only.
- The device can be mounted to a truss or another rigging structure in any orientation.
- 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.

4.3. Rigging

The device can be 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 rigging and/or derigging.

To mount the device, follow the steps below:

01) Use a clamp to attach the device to the supporting structure, as shown in Fig. 06. Make sure that the device cannot move freely.
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. If possible, the secondary suspension should be attached to a supporting structure independent of the primary suspension. Put the safety cable through one of the **safety eyes (02 or 03)**, as shown in Fig. 06.

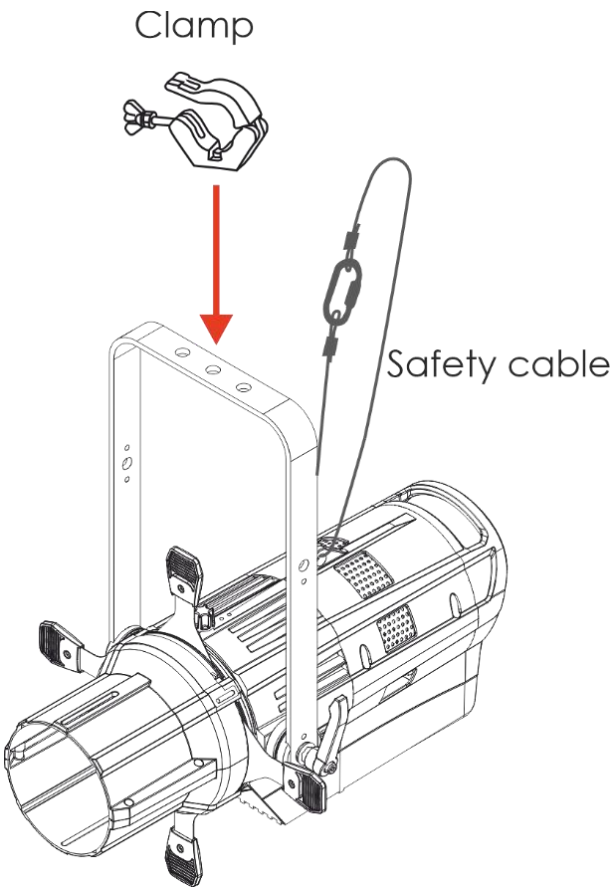


Fig. 06

4.4. Angle Adjustment

You can adjust the angle of the device with the **adjustment handle (05)**.

01) Turn the **adjustment handle (05)** counterclockwise to loosen it (see Fig. 07).
02) Tilt the device to the desired angle.
03) Turn the **adjustment handle (05)** clockwise to tighten it. Make sure that the device cannot move freely after the **adjustment handle (05)** is tightened.

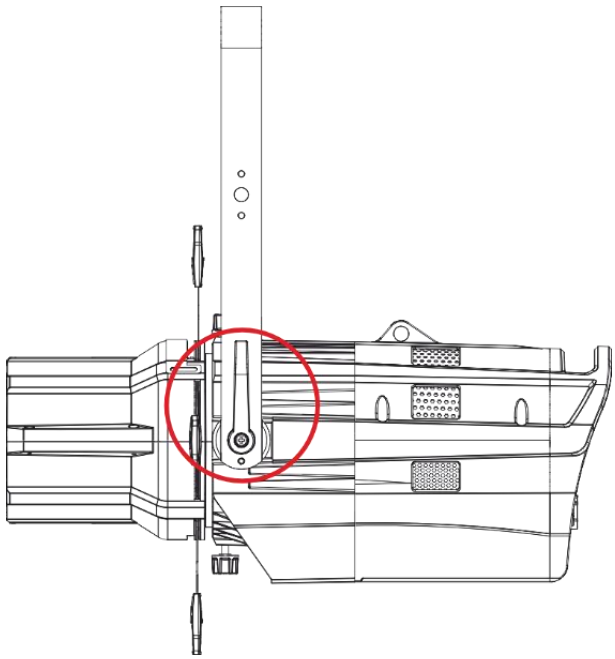


Fig. 07

4.5. Connecting to Power Supply

DANGER
Electric shock caused by short-circuit

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

This device falls under IEC protection class 1. 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.

4.6. 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: 3 devices Performer Profile 700 Q6
- at 200–240 V: 6 devices Performer Profile 700 Q6

5. Setup

5.1. Warnings and Precautions

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 Profile 700 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.

For more information about the control modes, refer to **6.2. Control Modes** on page 25.

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.

The Performer Profile 700 Q6 has 5-pin DMX signal IN and OUT connectors.

The pin assignment is as follows: 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.

Notes:

- 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 a 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. 08.

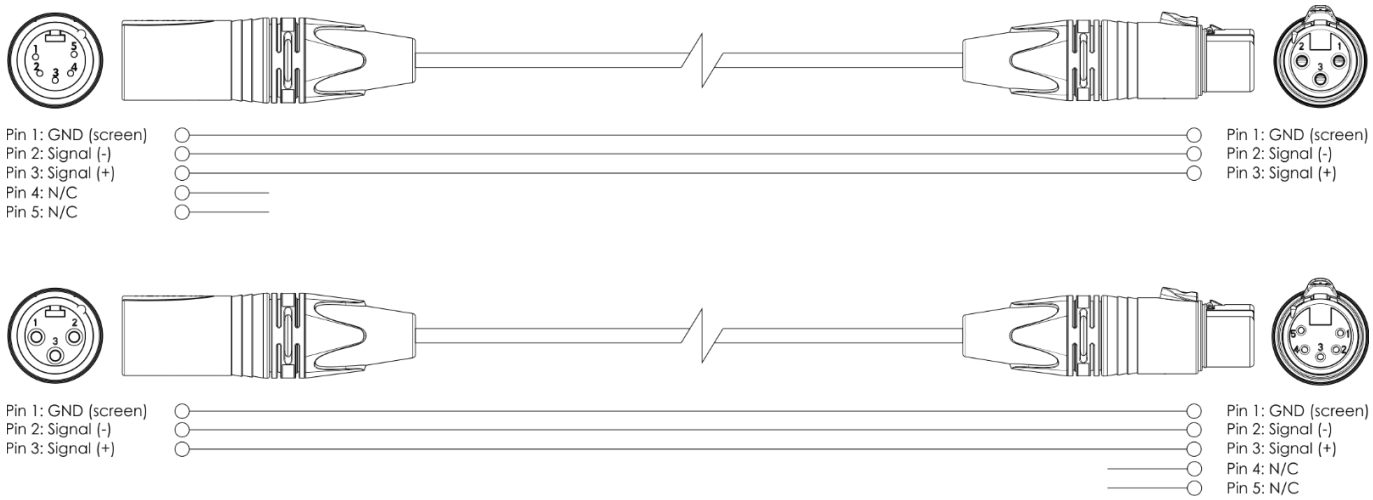


Fig. 08

5.3.3. Master/Slave Setup

The Performer Profile 700 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 on the first device to the DMX IN connector on the second device with a 5-pin DMX cable. The first connected device in the setup will be automatically recognized as the master device.
02) Repeat step 1 to connect all devices as shown in Fig. 09.
03) Set all subsequent devices in the setup as slave devices. See **6.6.3 Run Mode** on page 32 for more information.
04) Connect a DMX terminator (120 Ω resistor) to the DMX OUT connector of the last device in the setup.

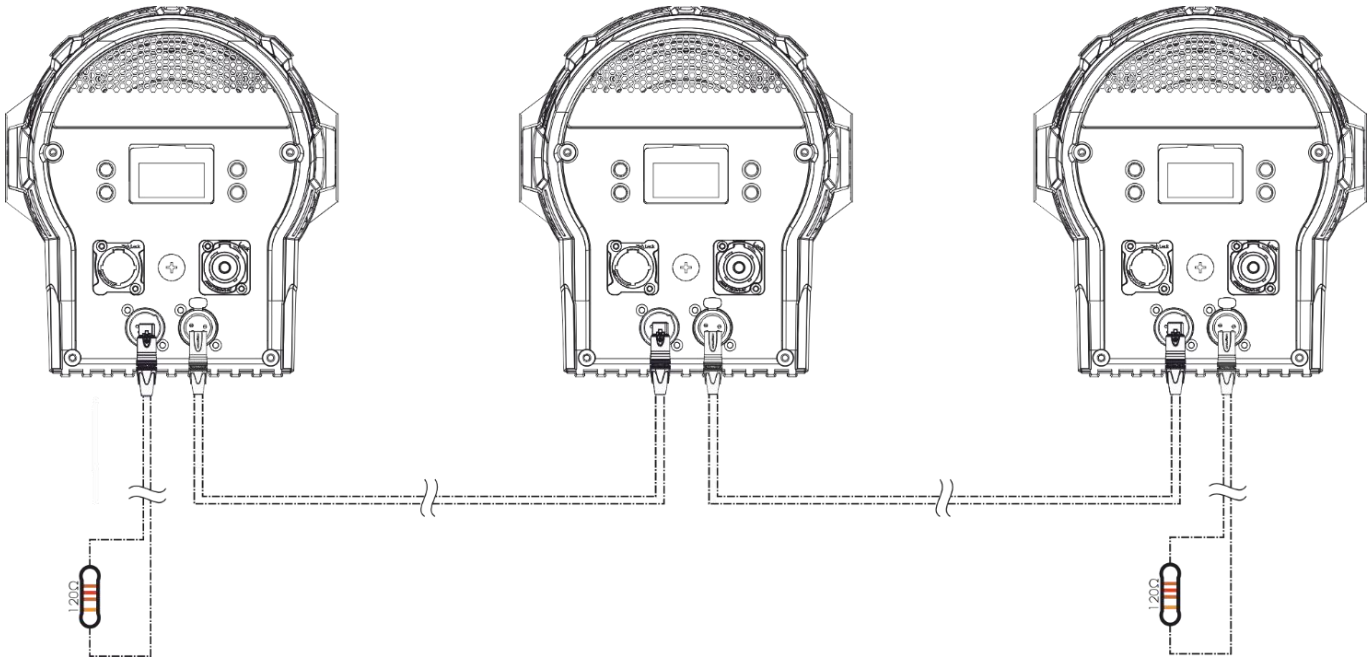


Fig. 09

5.3.4. DMX Linking

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

01) Connect the DMX OUT connector on the lighting controller to the DMX IN connector on the first device with a 5-pin DMX cable.
02) Connect the DMX OUT connector on the first device to the DMX IN connector on the second device with a 5-pin DMX cable.
03) Repeat step 2 to connect all devices in a daisy-chain as shown in Fig. 10.
04) Connect a DMX terminator (120 Ω resistor) to the DMX OUT connector of the last device on the data link.

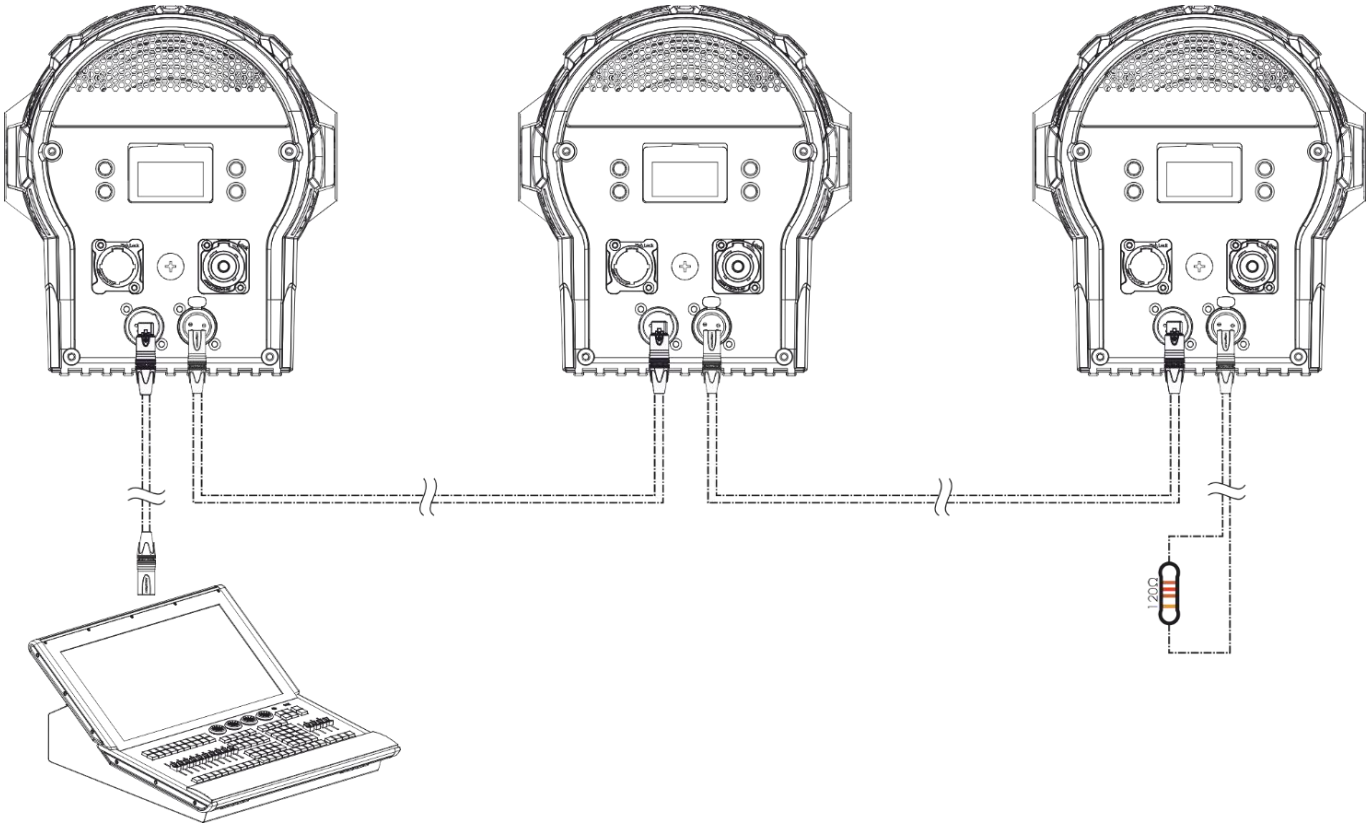


Fig. 10

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 Profile 700 Q6 has 6 personalities: 3, 7, 8, 10, 13 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 20 to the previous number each time.

Make sure that you do not have any overlapping channels in order to control each Performer Profile 700 Q6 correctly. If two or more devices are addressed similarly, they will work similarly.

5.4. Beam Shaping with Shutters

The beam of the Performer Profile 700 Q6 can be shaped using the 4 included shutters as shown in Fig. 11.

To shape the beam using the **shutters (11)**, follow the steps below (see Fig. 11):

- To make the beam bigger, pull each **shutter (11)** outwards until you have the desired beam size.
- To make the beam smaller, push each **shutter (11)** inwards until you have the desired beam size.

Note:

By pulling some shutters outwards and pushing other shutters inwards, you can adjust the shape of the beam.

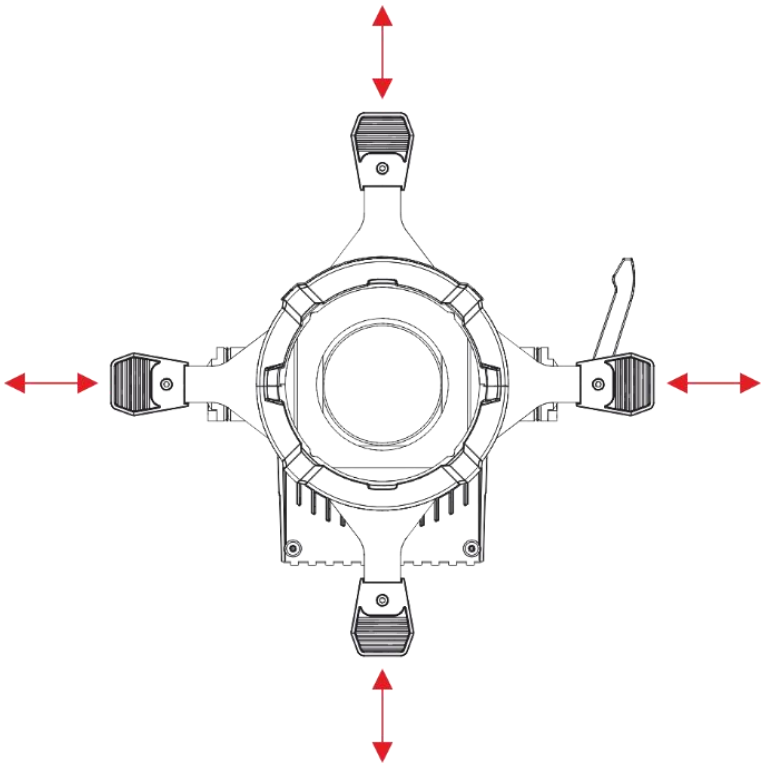


Fig. 11

5.5. Gobo Installation

An optional gobo holder can be inserted into the **gobo slot (10)** on the device as shown in Fig.12. See **3.4 Optional accessories** on page 11 for more information about the optional gobo holders.

Note:

Make sure to place a gobo into the gobo holder before inserting it into the device.

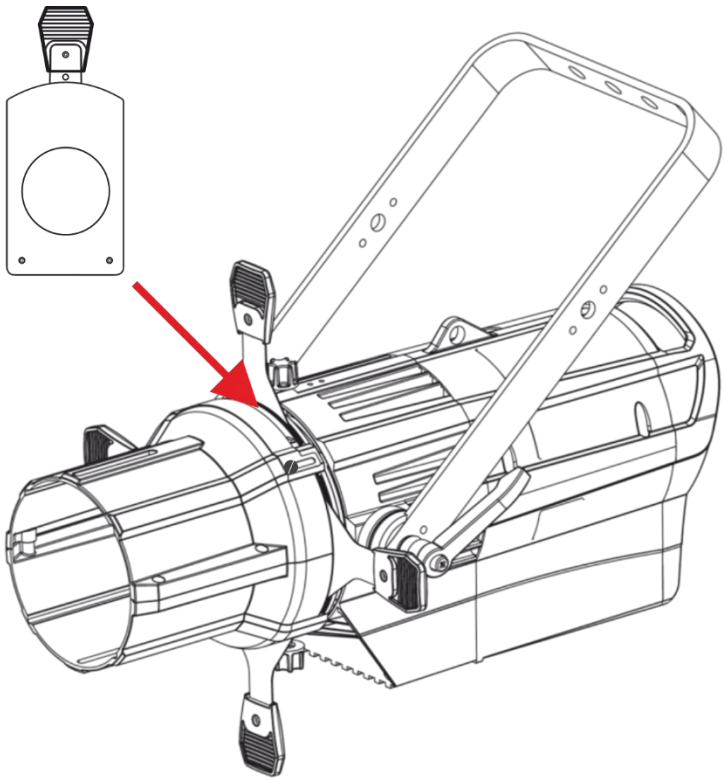


Fig. 12

5.6. Iris Installation

You can use an optional iris to reduce the aperture size of the output. See **3.4 Optional accessories** on page 11 for more information about the optional iris.

To install the iris, follow the steps below (see Fig. 13 and Fig. 14):

01) Use a screwdriver to loosen the **iris slot screws (07)**.
02) Slide the **iris slot cover (08)** forwards to open it.

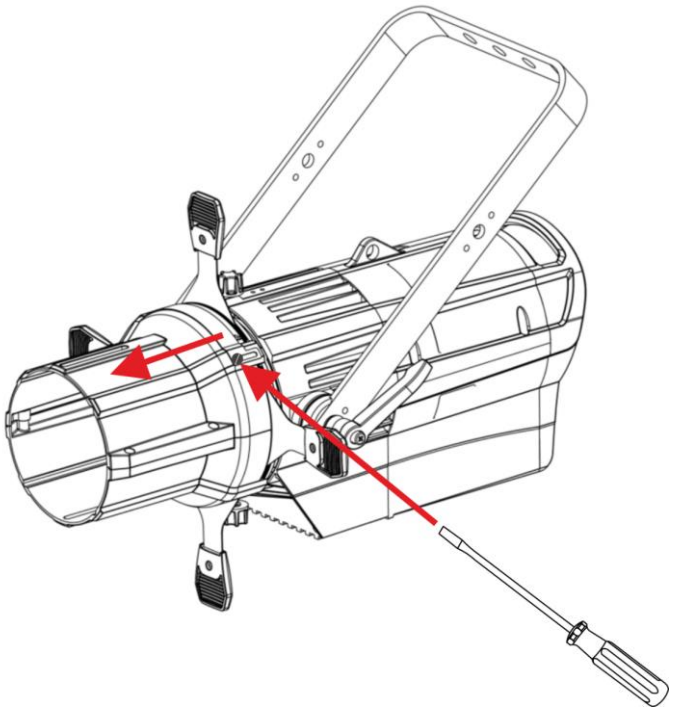


Fig. 13

03) Insert the iris into the **iris slot (09)**.

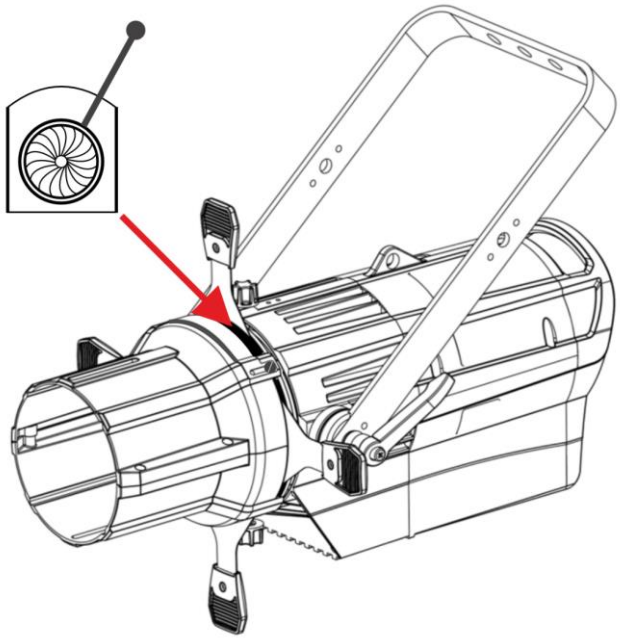


Fig. 14

5.7. Lens Installation

An optional lens can be attached to the Performer Profile 700 Q6 as shown in Fig. 15, Fig. 16 and Fig 17. Lenses with fixed angles and zoom lenses are available. See **3.4 Optional accessories** on page 11 for more information about the optional lenses.

5.7.1. Fixed-angle Lens Installation

To install a fixed-angle lens, follow the steps below (see Fig. 15):

01) Loosen and remove the lens screws.
02) Align the lens with the **barrel (06)** and slide it inside.
03) Adjust the lens to the desired position.
04) Reinsert and tighten the lens screws.

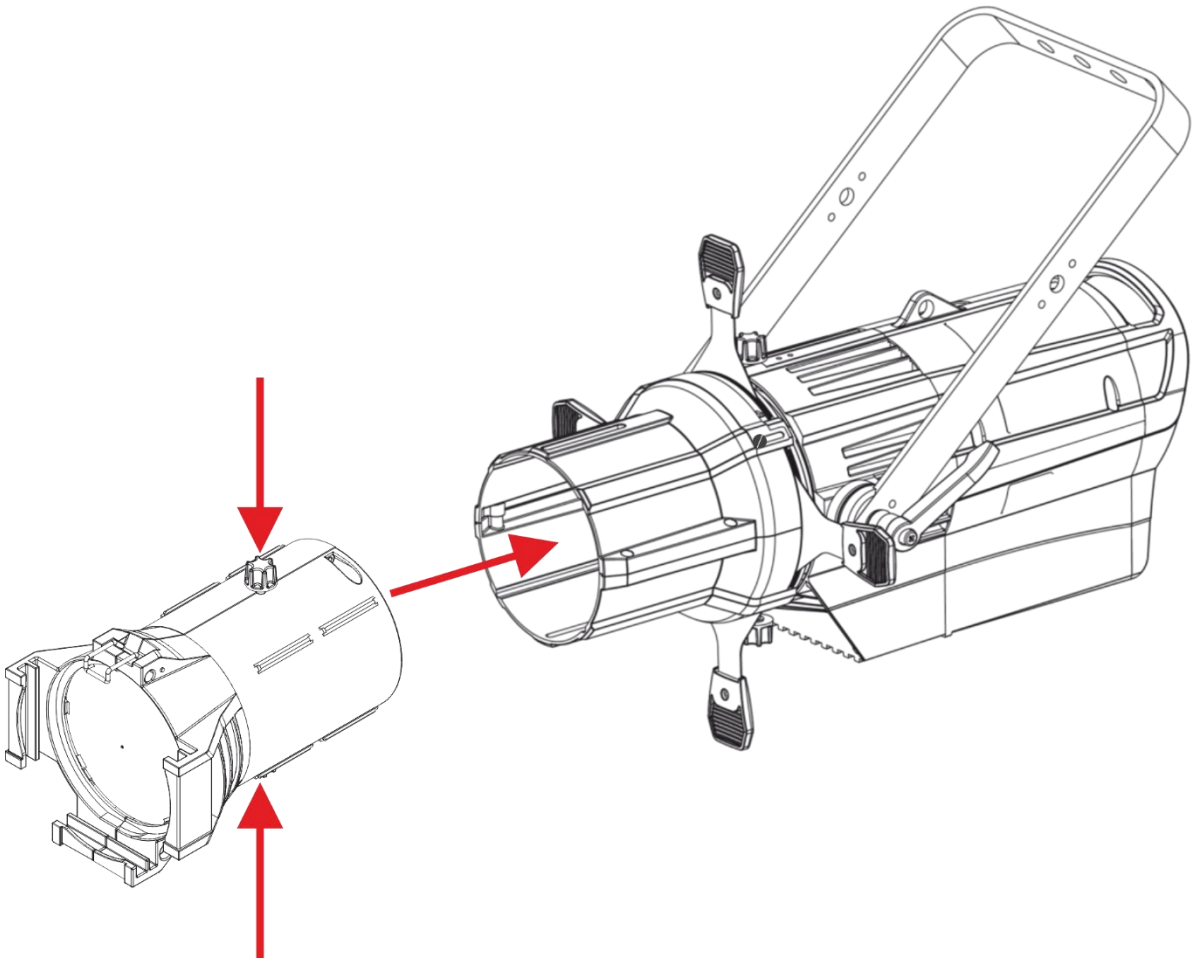


Fig. 15

5.7.2. Zoom Lens Installation

To install a zoom lens, follow the steps below (see Fig.16 and Fig 17.):

01) Loosen and remove the **barrel screws (01)**.
02) Turn the **barrel (06)** 45° clockwise or counterclockwise and pull it out.

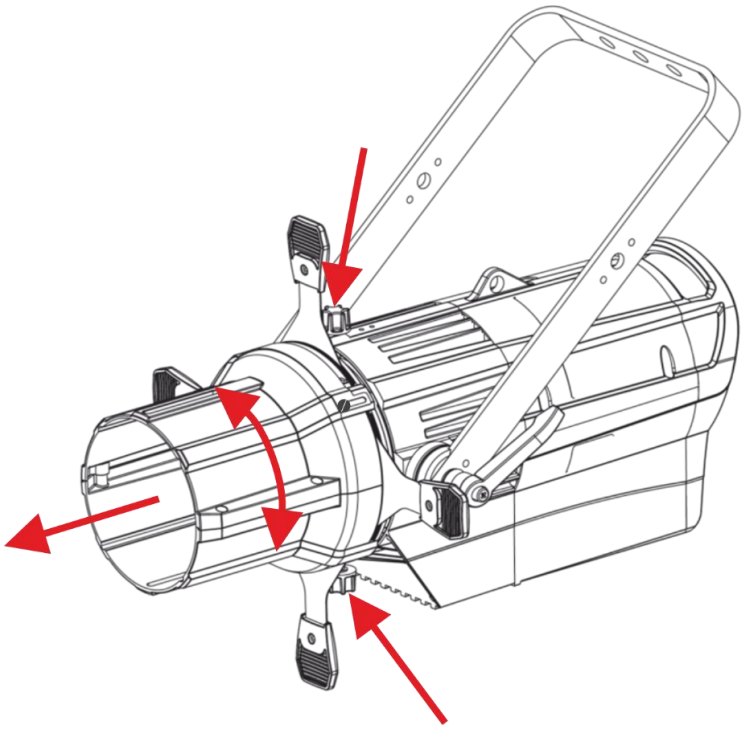


Fig. 16

03) Align the top of the zoom lens 45° clockwise relative to the top of the device.
04) Insert the lens into place.
05) Turn the zoom lens 45° counterclockwise to lock it in place.
06) Reinsert and tighten the **barrel screws (01)**.

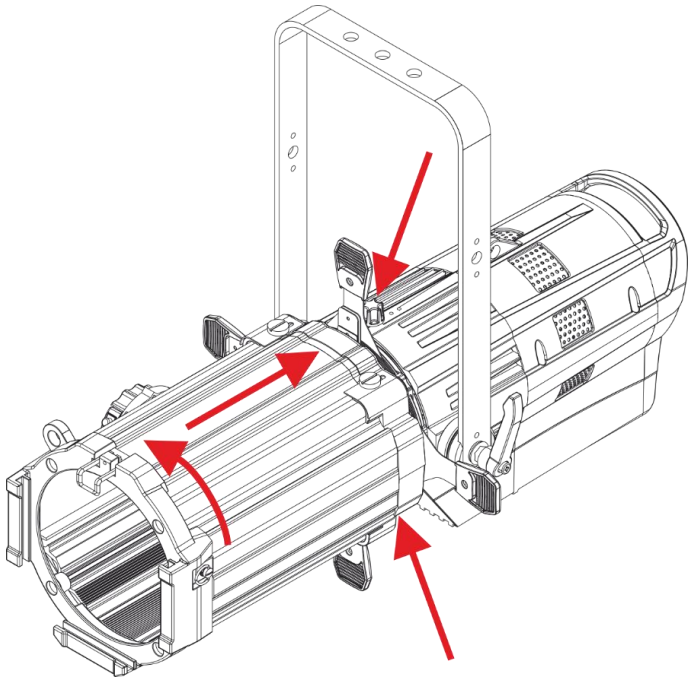


Fig. 17

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 use as a professional stage luminaire and is suitable for indoor use only. This device is not suitable for households or 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 Profile 700 Q6 can be operated with a DMX controller, without a DMX controller as a stand-alone device, or in a master/slave setup.

The Performer Profile 700 Q6 supports the following control modes:

- Stand-alone: Auto operation mode (auto programs, custom programs), manual operation mode (static colors)
- Master/Slave: Auto operation mode (auto programs, custom programs), manual operation mode (static colors)
- DMX-512: 6 channel modes (BASIC (3 channels), SSP (8 channels), TOUR (13 channels), TR16 (20 channels), HSCI (7 channels), CMY (10 channels))

For more information about how to connect the devices, refer to **5. Setup** on pages 16–19.

To operate the device manually as a stand-alone device:

- Create a custom color in the Static Colors menu and add a strobe effect. See **6.6.1. Static Colors** on page 31 for more information.
- Play one of the 10 built-in auto programs or one of the 2 custom programs. See **6.6.5. Auto Programs** on page 33 for more information.

To operate the device in a master/slave setup:

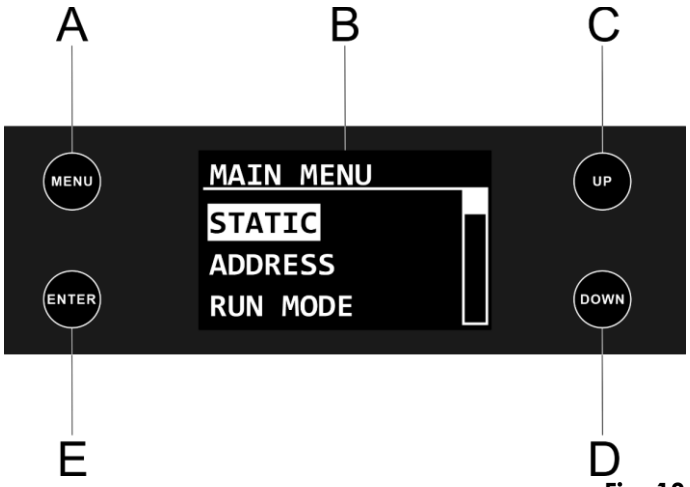
01) Select Slave in the Run Menu for the slave devices in the master/slave setup. See **6.6.3. Run Mode** on page 32 for more information.
02) Upload the custom programs from the master device to the slave devices in the master/slave setup. See **6.6.6. Edit** on page 34 for more information. This step is not necessary if you want to play the built-in auto programs or the static colors.

Select a built-in auto program, a custom program, or a static color to play. See **6.6.5. Auto Programs** on page 33 and **6.6.1. Static Colors** on page 31 for more information. To operate the device with a DMX controller:

01) Select DMX mode in the Run Mode menu. See **6.6.3. Run Mode** on page 32 for more information.
02) Set the DMX starting address of the device in the DMX Address menu. See **6.6.2. DMX Address** on page 32 for more information.

03) Select the DMX channel mode in the DMX Configuration menu. See **6.6.4. Personality** on page 32 for more information. See **6.7. DMX Channels** on pages 39–46 for a complete overview of all DMX channels.

6.3. Control Panel



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

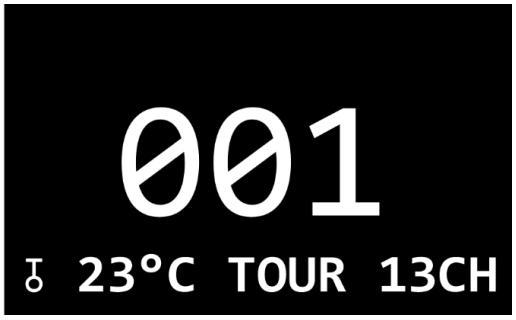
Fig. 18

- Use the **MENU** button to open the main menu or to exit the current submenu and return to the previous menu.
- 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 shows a splash screen with the Showtec logo.

Afterwards the display shows the start screen. The start screen provides information about the DMX starting address of the device, the temperature of the LEDs and the selected DMX channel mode:



Press the **ENTER** button or the **UP/DOWN** buttons to enter the main menu.

By default the display of the device is locked. To unlock the display and access the main menu, you need to enter the password:

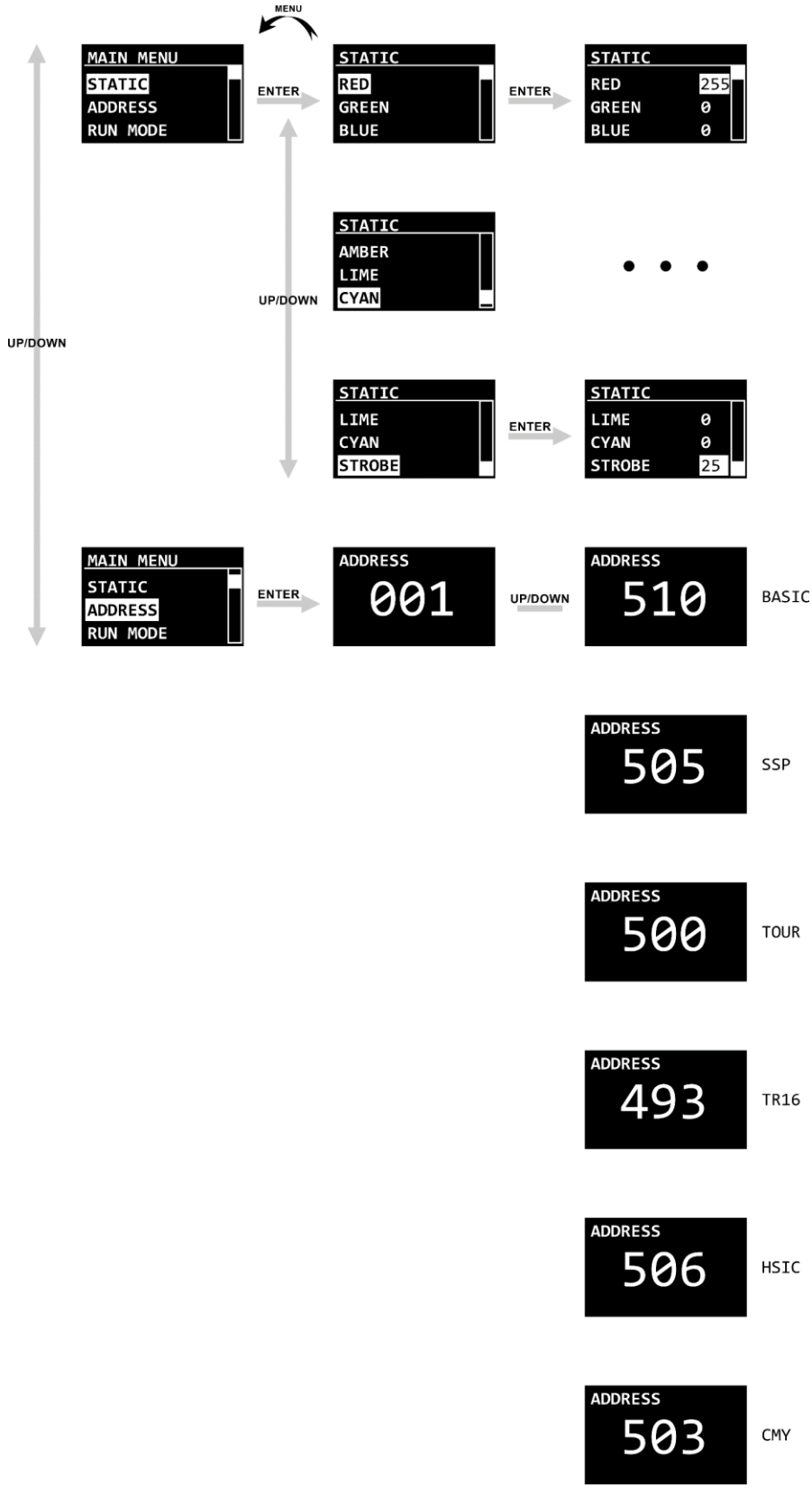
01) Press the **UP/DOWN** buttons in the following order: **UP, DOWN, UP, DOWN** to enter the password.
02) Press the **ENTER** button to confirm.

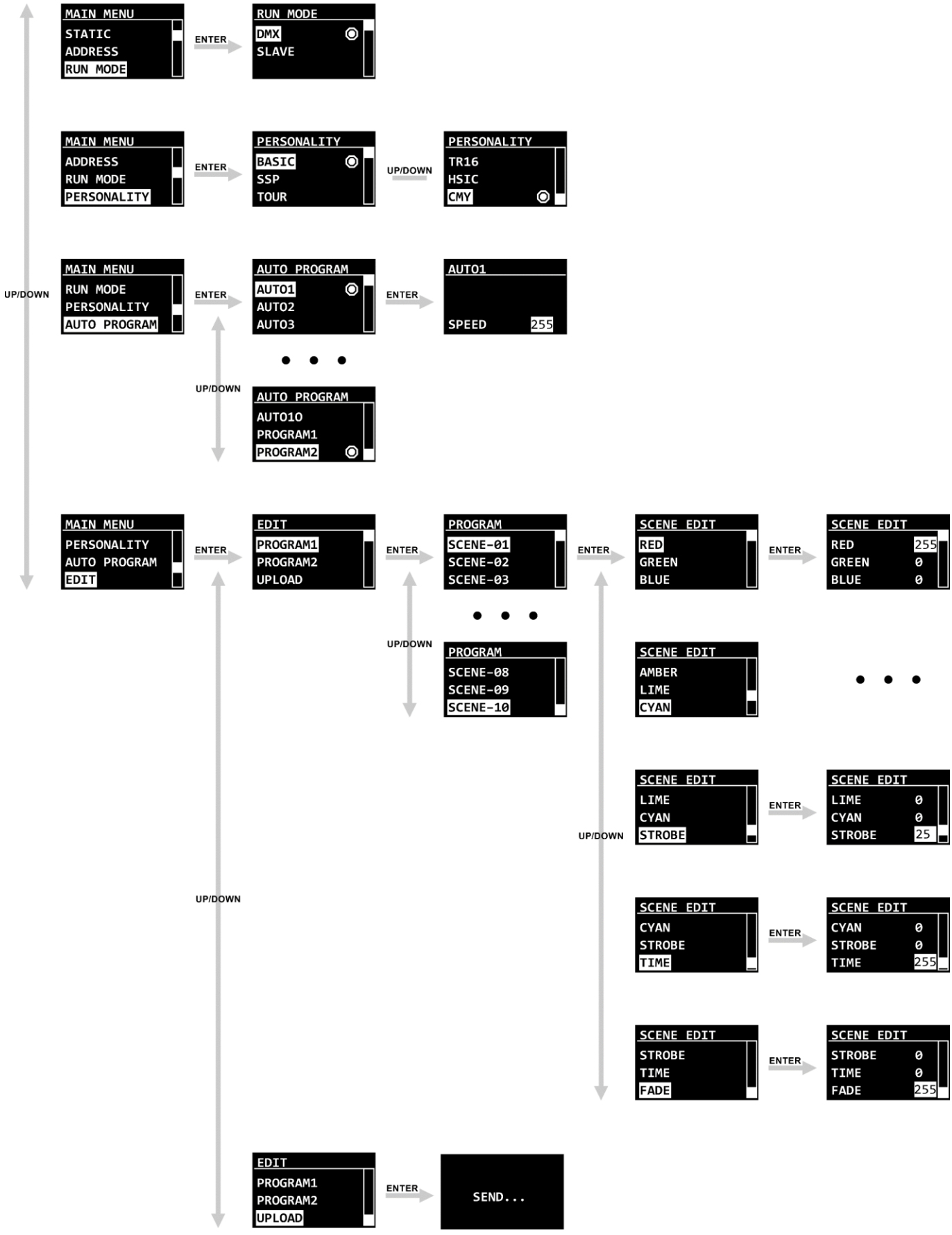
To change the settings and remove the display lock, see **6.6.7.3. Disp Key** on page 37.

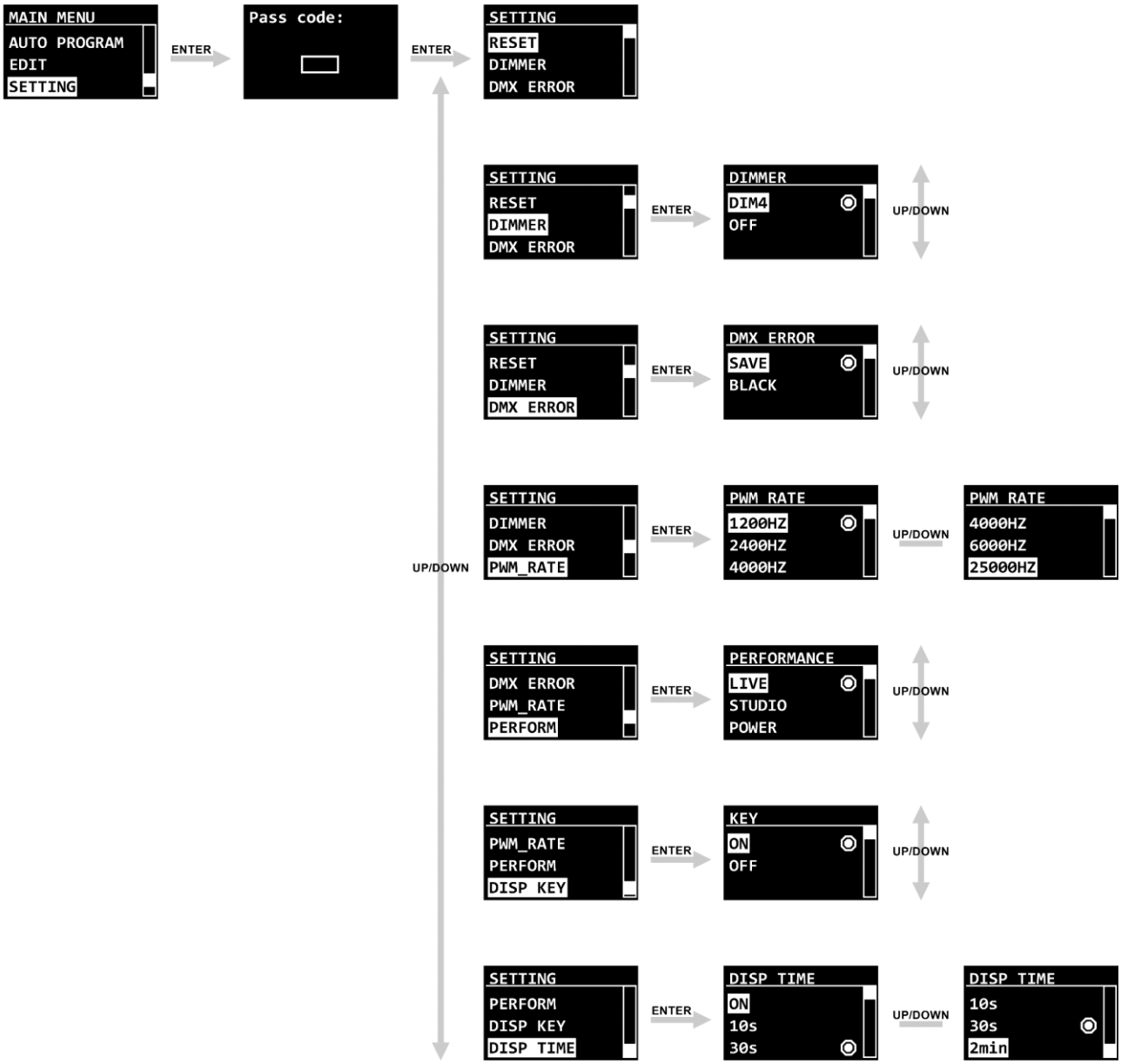
Note:

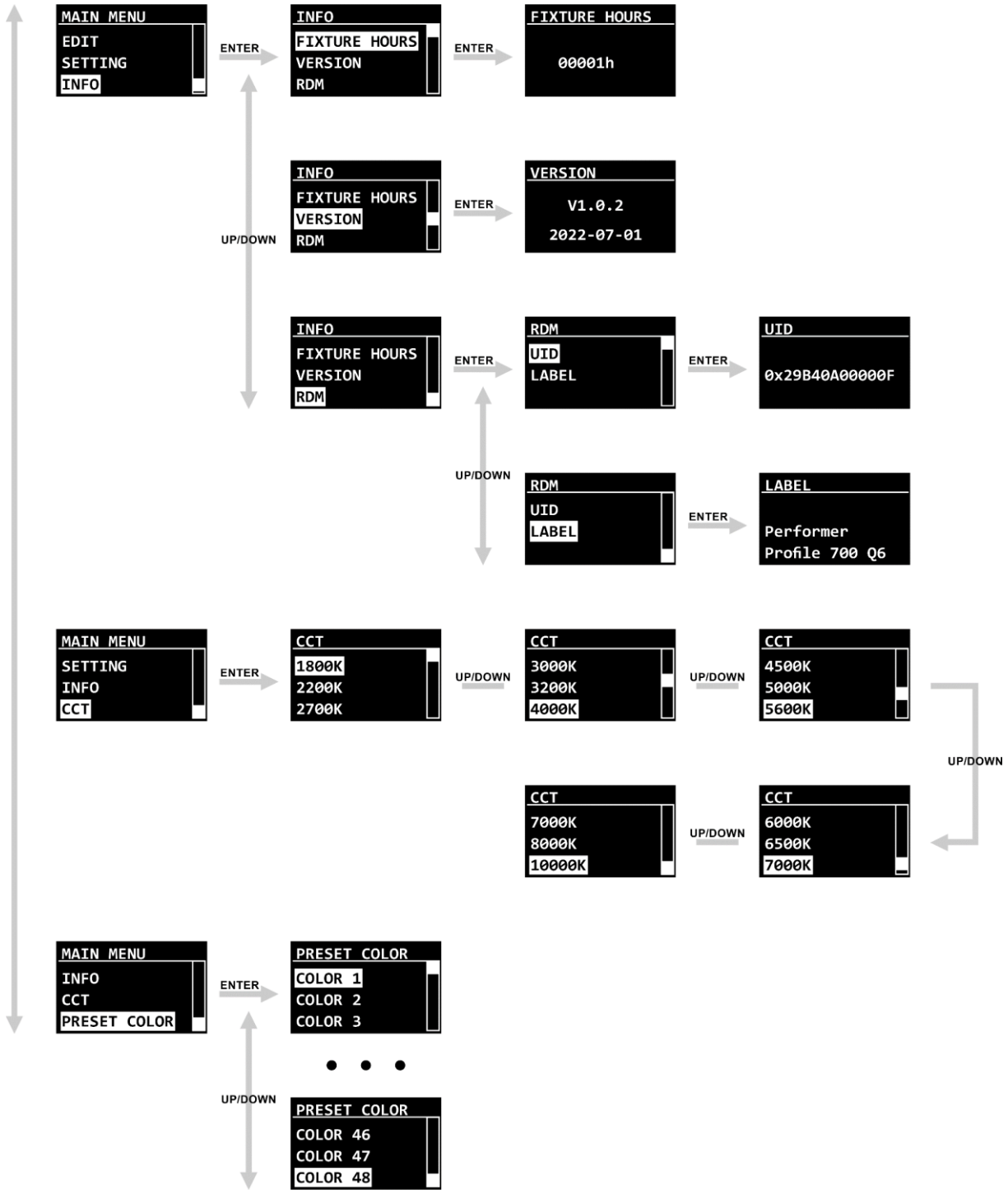
If no button is pressed, after 30 seconds of inactivity the display will turn off.

6.5. Menu Overview



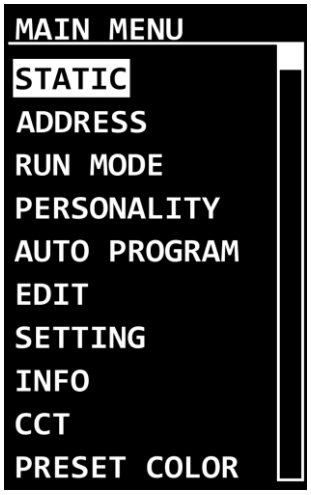

MAIN MENU
STATIC
ADDRESS
RUN MODE
ENTER
RUN MODE
DMX
SLAVE
MAIN MENU
ADDRESS
RUN MODE
PERSONALITY
ENTER
PERSONALITY
BASIC
SSP
TOUR
UP/DOWN
PERSONALITY
TR16
HSIC
CMY
UP/DOWN
MAIN MENU
RUN MODE
PERSONALITY
AUTO PROGRAM
ENTER
AUTO PROGRAM
AUTO1
AUTO2
AUTO3
ENTER
AUTO1
SPEED 255
UP/DOWN
AUTO PROGRAM
AUTO10
PROGRAM1
PROGRAM2
MAIN MENU
PERSONALITY
AUTO PROGRAM
EDIT
ENTER
EDIT
PROGRAM1
PROGRAM2
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 0
BLUE 0
SCENE EDIT
AMBER
LIME
CYAN
UP/DOWN
SCENE EDIT
LIME
CYAN
STROBE
ENTER
SCENE EDIT
LIME 0
CYAN 0
STROBE 25
SCENE EDIT
CYAN
STROBE
TIME
ENTER
SCENE EDIT
CYAN 0
STROBE 0
TIME 255
SCENE EDIT
STROBE
TIME
FADE
ENTER
SCENE EDIT
STROBE 0
TIME 0
FADE 255
UP/DOWN
EDIT
PROGRAM1
PROGRAM2
UPLOAD
ENTER
SEND...


MAIN MENU
AUTO PROGRAM
EDIT
SETTING
ENTER
Pass code:
ENTER
SETTING
RESET
DIMMER
DMX ERROR
SETTING
RESET
DIMMER
DMX ERROR
ENTER
DIMMER
DIM4
OFF
UP/DOWN
SETTING
RESET
DIMMER
DMX ERROR
ENTER
DMX ERROR
SAVE
BLACK
UP/DOWN
SETTING
DIMMER
DMX ERROR
PWM_RATE
ENTER
PWM RATE
1200HZ
2400HZ
4000HZ
UP/DOWN
PWM RATE
4000HZ
6000HZ
25000HZ
UP/DOWN
SETTING
DMX ERROR
PWM_RATE
PERFORM
ENTER
PERFORMANCE
LIVE
STUDIO
POWER
UP/DOWN
SETTING
PWM_RATE
PERFORM
DISP KEY
ENTER
KEY
ON
OFF
UP/DOWN
SETTING
PERFORM
DISP KEY
DISP TIME
ENTER
DISP TIME
ON
10s
30s
UP/DOWN
DISP TIME
10s
30s
2min


MAIN MENU
EDIT
SETTING
INFO
ENTER
INFO
FIXTURE HOURS
VERSION
RDM
ENTER
FIXTURE HOURS
00001h
UP/DOWN
INFO
FIXTURE HOURS
VERSION
RDM
ENTER
VERSION
V1.0.2
2022-07-01
INFO
FIXTURE HOURS
VERSION
RDM
ENTER
RDM
UID
LABEL
ENTER
UID
0x29B40A00000F
UP/DOWN
RDM
UID
LABEL
ENTER
LABEL
Performer
Profile 700 Q6
MAIN MENU
SETTING
INFO
CCT
ENTER
CCT
1800K
2200K
2700K
UP/DOWN
CCT
3000K
3200K
4000K
UP/DOWN
CCT
4500K
5000K
5600K
UP/DOWN
CCT
6000K
6500K
7000K
UP/DOWN
CCT
7000K
8000K
10000K
MAIN MENU
INFO
CCT
PRESET COLOR
ENTER
PRESET COLOR
COLOR 1
COLOR 2
COLOR 3
UP/DOWN
PRESET COLOR
COLOR 46
COLOR 47
COLOR 48

6.6. Main Menu Options

The main menu has the following options:

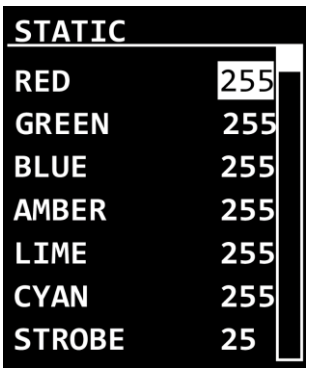


01) Press the **UP/DOWN** buttons to navigate through the main menu.
02) Press the **ENTER** button to open the submenus.

6.6.1. Static Colors

In this menu you can create a custom color and add a strobe effect.

01) Press the **UP/DOWN** buttons to select one of the following 7 options.



- RED: Set the intensity of the red color. The adjustment range is 0–255, from low to high intensity
- GREEN: Set the intensity of the green color. The adjustment range is 0–255, from low to high intensity
- BLUE: Set the intensity of the blue color. The adjustment range is 0–255, from low to high intensity
- AMBER: Set the intensity of the amber color. The adjustment range is 0–255, from low to high intensity
- LIME: Set the intensity of the lime color. The adjustment range is 0–255, from low to high intensity
- CYAN: Set the intensity of the cyan color. The adjustment range is 0–255, from low to high intensity
- STROBE: Add strobe effect. The adjustment range is 0–25, from OFF to high frequency

02) Press the **ENTER** button to confirm the selection and open the submenu.
03) Press the **UP/DOWN** buttons to increase/decrease the values.
04) Press the **ENTER** button to set the value and move to the next setting.

6.6.2. DMX Address

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

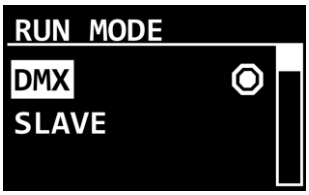
01) Press the **UP/DOWN** buttons to select the DMX starting address of the device. The selection range depends on the active DMX channel mode:
- BASIC (3 CH): 001–510
- SSP (8 CH): 001–505
- TOUR (13 CH): 001–500
- TR16 (20 CH): 001–493
- HSIC (7 CH): 001–506
- CMY (10 CH): 001–503

02) Press the **ENTER** button to save the changes.

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:



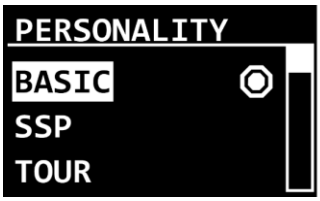
- DMX: The device will operate in DMX mode
- SLAVE: The device will operate as a slave device in master/slave mode

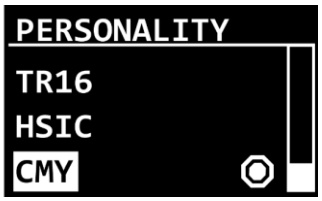
02) Press the **ENTER** button to confirm the selection.

6.6.4. Personality

In this menu you can select the DMX channel mode.

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





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

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

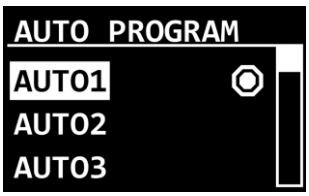
Note:

See **6.7. DMX Channels** on pages 39–46 for complete overview of all DMX channels.

6.6.5. Auto Programs

In this menu you can select to play one the auto programs or custom programs. There are 10 built-in auto programs and 2 custom programs. The custom programs are editable. For more information see **6.6.6. Edit** on pages 34–36.

01) Press the **UP/DOWN** buttons to select an auto program (AUTO1–AUTO10) or a custom program (PROGRAM1–PROGRAM2).
02) Press the ENTER button to confirm your selection.



The speed of the auto programs is adjustable. To adjust the speed:

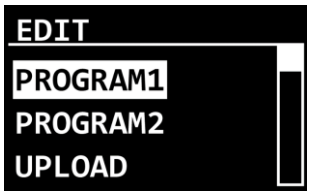
01) Press the **UP/DOWN** buttons to set the program speed. The adjustment range is between 0–255, from slow to fast.
02) Press the **ENTER** button to set the speed.

Note:

You cannot adjust the speed of the custom programs.

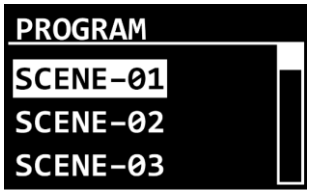
6.6.6. Edit

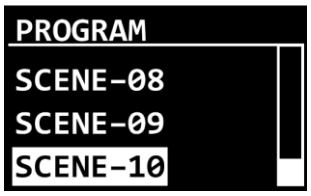
In this menu you can edit the 2 custom programs and upload them from the master device to connected slave devices.



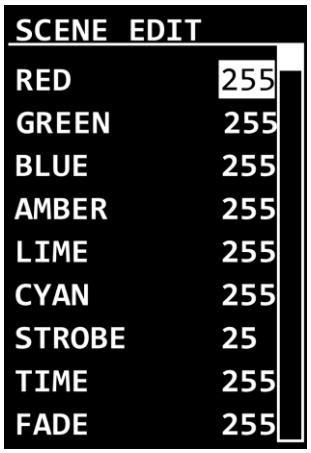
To edit the custom programs:

01) Press the **UP/DOWN** buttons to choose the custom program you want to edit: PROGRAM1 or PROGRAM2.
02) Press the **ENTER** button to confirm the selection and open the submenu with the scenes. Each custom program has 10 scenes, which can be edited:





03) Press the **UP/DOWN** buttons to select the desired scene.
04) Press the **ENTER** button to confirm the selection and open the submenu with the settings for the respective scene.
05) Press the **UP/DOWN** buttons to select one of the following 9 options:



- RED: Set the intensity of the red color. The adjustment range is 0–255, from low to high intensity
- GREEN: Set the intensity of the green color. The adjustment range is 0–255, from low to high intensity
- BLUE: Set the intensity of the blue color. The adjustment range is 0–255, from low to high intensity
- AMBER: Set the intensity of the amber color. The adjustment range is 0–255, from low to high intensity
- LIME: Set the intensity of the lime color. The adjustment range is 0–255, from low to high intensity
- CYAN: Set the intensity of the cyan color. The adjustment range is 0–255, from low to high intensity
- STROBE: Add strobe effect. The adjustment range is 0–25, from OFF to high frequency
- TIME: Set the duration of the scene. The adjustment range is 0–255, from 0,1 to approximately 25 seconds
- FADE: Set the fading effect between the scenes. The adjustment range is 0–255, from 0,1 to approximately 25 seconds

06) Press the **ENTER** button to confirm the selection.
07) Press the **UP/DOWN** buttons to increase/decrease the values.
08) Press the **ENTER** button to set the value and to move to the next setting.
09) Repeat steps 7–8 to set all 9 parameters in the scene.
10) Press the **MENU** button to return to the submenu with the steps.
11) Repeat steps 3–9 to edit the remaining steps of the selected custom program.

To upload the custom programs:

01) Press the **UP/DOWN** button to Select UPLOAD.
02) Press the **ENTER** button to confirm the selection. During upload the display will show:

When the upload has been sent, the display will show OK.

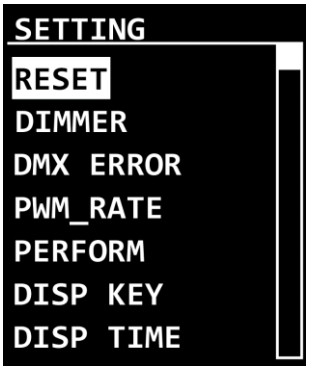
03) Press the menu button to return to the main menu.

6.6.7. Setting

In this menu, you can adjust the device's settings. This menu requires a password.

01) Press the **UP/DOWN** buttons in the following order: **UP, DOWN, UP, DOWN** to enter the password.
02) Press the **ENTER** button to confirm.

Press the **UP/DOWN** buttons to select one of the following 7 options:



- RESET: See **6.6.7.1. Reset**
- DIMMER: Set the dimmer speed. The available options are OFF or DIM4.
- DMX ERROR: See **6.6.7.2. DMX Error**
- PWM RATE: Set the PWM (Pulse Width Modulation) frequency. The available options are 1200 Hz, 2400 Hz, 4000 Hz, 6000 Hz and 25000 Hz
- PERFORM: Set the speed of the cooling fans: LIVE (auto), STUDIO (slow), POWER (fast)
- DISP KEY: See **6.6.7.3. Disp Key**
- DISP TIME: After a set period of inactivity, the display turns off. The period of time can be set to one of the following options: ON, 10s, 30s, 2min

03) Press the **ENTER** button to confirm the selection.
04) Press the **UP/DOWN** buttons to select the required setting.
05) Press the **ENTER** button to confirm the selection.

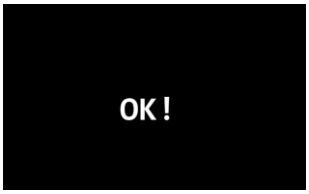
6.6.7.1. Reset

In this submenu, you can restore the default factory settings of the device. This submenu requires a password.

01) Press the **UP/DOWN** buttons in the following order: **UP, DOWN, UP, DOWN** to enter the password.
02) Press the **ENTER** button to confirm.

During reset the display will show:

When the reset is complete, the display will show OK.



6.6.7.2. 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 properly received DMX signal
    - BLACK: The device will black out the light output
02) Press the **ENTER** button to confirm your choice.

6.6.7.3. Disp Key

In this submenu, you can activate or deactivate the display lock.

01) Press the **UP/DOWN** buttons to toggle between ON and OFF.
    - ON: The display lock is on. The display turns off after 30 seconds of inactivity. To access the main menu, you need to enter the password.
    - OFF: The access to the main menu remains unlocked after the display turns off
02) Press the **ENTER** button to confirm your choice.

Note:

If you turn off the display lock, this will not affect the submenus which by default require a password.

6.6.8. Information

In this submenu, you can see the fixture hours, the firmware version and the RDM details of the device.

01) Press the **UP/DOWN** buttons to select one of the following 3 options:
- FIXTURE HOURS: The display shows the total number of hours the LEDs have been used for
- VERSION: The display shows the current firmware version of the device
- RDM: The display shows the device UID and label

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

6.6.9. Correlated Color Temperature (CCT)

In this menu, you can set the color temperature of the device.

01) Press the **UP/DOWN** buttons to select one of the following 14 options: 1800K, 2200K, 2700K, 3000K, 3200K, 4000K, 4500K, 5000K, 5600K, 6000K, 6500K, 7000K, 8000K and 10000K
02) Press the **ENTER** button to confirm the selection.

6.6.10. Preset Color

In this menu, you can select one of the 48 preset colors.

01) Press the **UP/DOWN** buttons to select one of the following 48 options: COLOR 1–COLOR 48
02) Press the **ENTER** button to confirm the selection.

Note:

See **6.7.2 BASIC (3 channels), TOUR (13 channels), TR16 (20 channels)** and **6.7.4 CMY (10 channels)** for an overview of the available Present Colors.

6.7. DMX Channels

6.7.1. DMX Channels Overview

Function	BASIC 3 CH	SSP 8 CH	TOUR 13 CH	TR16 20 CH	HSIC 7 CH	CMY 10 CH
Intensity					1	
Hue					2	
Hue Fine					3	
Saturation					4	
Dimmer	1	1	1	1		1
Dimer Fine				2		
Red		2	2	3		
Red Fine				4		
Green		3	3	5		
Green Fine				6		
Blue		4	4	7		
Blue Fine				8		
Amber		5	5	9		
Amber Fine				10		
Lime		6	6	11		
Lime Fine				12		
Cyan		7	7	13		2
Cyan Fine				14		
Magenta						3
Yellow						4
Preset Color	2		8	15		5
CCT	3		9	16	5	6
Auto			10	17		7
Auto Speed			11	18		8
Strobe		8	12	19	6	9
Control			13	20	7	10

6.7.2. BASIC (3 channels), SSP (8 channels), TOUR (13 channels), TR16 (20 channels)

BASIC 3 CH	SSP 8 CH	TOUR 13 CH	TR16 20 CH	Function	Value	Setting	
1	1	1	1	Dimmer	000–255	From low to high intensity (0–100 %)	
			2	Dimmer Fine	000–255	Fine adjustment	
	2	2	3	Red	000–255	From low to high intensity (0–100 %)	
			4	Red Fine	000–255	Fine adjustment	
	3	3	5	Green	000–255	From low to high intensity (0–100 %)	
			6	Green Fine	000–255	Fine adjustment	
	4	4	7	Blue	000–255	From low to high intensity (0–100 %)	
			8	Blue Fine	000–255	Fine adjustment	
	5	5	9	Amber	000–255	From low to high intensity (0–100 %)	
			10	Amber Fine	000–255	Fine adjustment	
	6	6	11	Lime	000–255	From low to high intensity (0–100 %)	
			12	Lime Fine	000–255	Fine adjustment	
	7	7	13	Cyan	000–255	From low to high intensity (0–100 %)	
			14	Cyan Fine	000–255	Fine adjustment	
2		8	15	Preset Color	000–010	No function	
					011–015	Loving Amber	L176
					016–020	Light Salmon	R40
					021–025	Scarlet	L24
					026–030	Flame Red	L164
					031–035	Easy White	L747
					036–040	Warm Peach	R303
					041–045	Dark Salmon	L08
					046–050	Sunset Red	L25
					051–055	Medium Bastard Amber	L04
					056–060	CID (To Tungsten)	L237
					061–065	Soft Golden Amber	R321
					066–070	Urban Sodium	L652
					071–075	LCT Yellow (Y1)	L212
					076–080	LEE Yellow	L765
					081–085	Ice And A Slice	L513
					086–090	Spring Yellow	L100
					091–095	LEE Plus Green	L244
					096–100	CalColor 30 Green	R4430
					101–105	Fern Green	L122
					106–110	Dark Yellow Green	L90
					111–115	LEE Fluorescent3600K	L243
					116–120	Turquoise	R92
					121–125	Kelly Green	R94
					126–130	Forest Green	L327
					131–135	Cosmetic Aqua Blue	L191
					136–140	Steel Green	L728
					141–145	Steel Blue	L117
					146–150	Special Steel Blue	L354
					151–155	Paler Lavender	L53
					156–160	New Color Blue	L501
					161–165	Dark Steel Blue	L174
					166–170	Daylight Blue	L165
					171–175	Pale Lavender	L136
					176–180	Surprise Pink	L194
					181–185	Pale Violet	L142
					186–190	Perfect Lavender	L700
					191–195	Light Pink	L35

BASIC 3 CH	SSP 8 CH	TOUR 13 CH	TR16 20 CH	Function	Value	Setting	
					196–200	Pretty'n Pink	L794
					201–205	Follies Pink	L328
					206–210	Magical Magenta	L795
					211–215	Pale Rose	L154
					216–220	Smokey Pink	L127
					221–225	Flesh Pink	L192
					226–230	Special Rose Pink	L332
					231–235	Moroccan Pink	L790
					236–240	Pink	L157
					241–245	Cherry Rose	R332
					246–250	Cool LED Bright Pink	L128
					251–255	No function	
					000–009	No function	
					010	1800 K	
					010–025	1800–2200 K (linear transition)	
					025	2200 K	
					025–040	2200–2700 K (linear transition)	
					040	2700 K	
					040–055	2700–3000 K (linear transition)	
					055	3000 K	
					055–070	3000–3200 K (linear transition)	
					070	3200 K	
					070–085	3200–4000 K (linear transition)	
					085	4000 K	
					085–100	4000–4500 K (linear transition)	
					100	4500 K	
3		**9**	**16**	**CCT**	100–115	4500–5000 K (linear transition)	
					115	5000 K	
					115–130	5000–5600 K (linear transition)	
					130	5600 K	
					130–145	5600–6000 K (linear transition)	
					145	6000 K	
					145–160	6000–6500 K (linear transition)	
					160	6500 K	
					160–175	6500–7000 K (linear transition)	
					175	7000 K	
					175–190	7000–8000 K (linear transition)	
					190	8000 K	
					190–205	8000–10000 K (linear transition)	
					205	10000 K	
					205–255	10000–10000 K (linear transition)	
					000–040	No function	
					041–050	Auto 1	
					051–060	Auto 2	
					061–070	Auto 3	
					071–080	Auto 4	
					081–090	Auto 5	
		10	**17**	**Auto**	091–100	Auto 6	
					101–110	Auto 7	
					111–120	Auto 8	
					121–130	Auto 9	
					131–140	Auto 10	
					141–150	Custom 1	
					151–160	Custom 2	
					161–255	No function	

BASIC 3 CH	SSP 8 CH	TOUR 13 CH	TR16 20 CH	Function	Value	Setting
		11	**18**	**Auto Speed**	000–255	Auto program speed adjustment
	8	**12**	**19**	**Strobe**	000–009	No function
					010–099	From low to high frequency (0-25Hz)
					100–109	No function
					110–179	Pulse strobe, from low to high rate
					180–189	No function
					190–255	Random strobe, from low to high rate
		13	**20**	**Control**	000–010	No function
					011–020	Reserved
					021–030	Reserved
					031–040	Reserved
					041–050	Reserved
					051–060	Reserved
					061–070	Live (Auto)
					071–080	Studio (Slow)
					081–090	Power (Fast)
					091–100	Reserved
					101–110	Dimmer off
					111–120	Dimmer DIM4
					121–130	Reserved
					131–140	Reserved
					141–150	Reserved
					151–160	1200Hz
					161–170	2400Hz
					171–180	4000Hz
					181–190	6000Hz
					191–200	25000Hz
					201–210	All reset
					211–220	Reserved
					221–230	Reserved
					231–240	Reserved
					241–255	Reserved

Note:

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

6.7.3. HSIC (7 channels)

HSIC 7 CH	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	Fine adjustment
4	**Saturation**	000–255	From low to high saturation (0–100 %)
5	**CCT**	000–009	No function
		010	1800 K
		010–025	1800–2200 K (linear transition)
		025	2200 K
		025–040	2200–2700 K (linear transition)
		040	2700 K
		040–055	2700–3000 K (linear transition)
		055	3000 K
		055–070	3000–3200 K (linear transition)
		070	3200 K
		070–085	3200–4000 K (linear transition)
		085	4000 K
		085–100	4000–4500 K (linear transition)
		100	4500 K
		100–115	4500–5000 K (linear transition)
		115	5000 K
		115–130	5000–5600 K (linear transition)
		130	5600 K
		130–145	5600–6000 K (linear transition)
		145	6000 K
		145–160	6000–6500 K (linear transition)
		160	6500 K
		160–175	6500–7000 K (linear transition)
		175	7000 K
		175–190	7000–8000 K (linear transition)
		190	8000 K
		190–205	8000–10000 K (linear transition)
		205	10000 K
		205–255	10000–10000 K (linear transition)
6	**Strobe**	000–009	No function
		010–099	From low to high frequency (0–25 Hz)
		100–109	No function
		110–179	Pulse strobe, from low to high rate
		180–189	No function
		190–255	Random strobe, from low to high rate
7	**Control**	000–010	No function
		011–020	Reserved
		021–030	Reserved
		031–040	Reserved
		041–050	Reserved
		051–060	Reserved
		061–070	Live (Auto)
		071–080	Studio (Slow)
		081–090	Power (Fast)
		091–100	Reserved
		101–110	Dimmer off
		111–120	Dimmer DIM4
		121–130	Reserved
		131–140	Reserved

HSIC 7 CH	Function	Value	Setting
		141–150	Reserved
		151–160	1200Hz
		161–170	2400Hz
		171–180	4000Hz
		181–190	6000Hz
		191–200	25000Hz
		201–210	All reset
		211–220	Reserved
		221–230	Reserved
		231–240	Reserved
		241–255	Reserved

Note:

Make sure that the Intensity channel is open in order to see the light output.

6.7.4. CMY (10 channels)

CMY 10 CH	Function	Value	Setting
1	**Dimmer**	000–255	From low to high intensity (0–100 %)
2	**Cyan**	000–255	From low to high intensity (0–100 %)
3	**Magent**	000–255	From low to high intensity (0–100 %)
4	**Yellow**	000–255	From low to high intensity (0–100 %)
5	**Preset Color**	000–010	No function
		011–015	Loving Amber L176
		016–020	Light Salmon R40
		021–025	Scarlet L24
		026–030	Flame Red L164
		031–035	Easy White L747
		036–040	Warm Peach R303
		041–045	Dark Salmon L08
		046–050	Sunset Red L25
		051–055	Medium Bastard Amber L04
		056–060	CID (To Tungsten) L237
		061–065	Soft Golden Amber R321
		066–070	Urban Sodium L652
		071–075	LCT Yellow (Y1) L212
		076–080	LEE Yellow L765
		081–085	Ice And A Slice L513
		086–090	Spring Yellow L100
		091–095	LEE Plus Green L244
		096–100	CalColor 30 Green R4430
		101–105	Fern Green L122
		106–110	Dark Yellow Green L90
		111–115	LEE Fluorescent3600K L243
		116–120	Turquoise R92
		121–125	Kelly Green R94
		126–130	Forest Green L327
		131–135	Cosmetic Aqua Blue L191
		136–140	Steel Green L728
		141–145	Steel Blue L117
		146–150	Special Steel Blue L354
		151–155	Paler Lavender L53
		156–160	New Color Blue L501
		161–165	Dark Steel Blue L174

CMY 10 CH	Function	Value	Setting	
		166–170	Daylight Blue	L165
		171–175	Pale Lavender	L136
		176–180	Surprise Pink	L194
		181–185	Pale Violet	L142
		186–190	Perfect Lavender	L700
		191–195	Light Pink	L35
		196–200	Pretty'n Pink	L794
		201–205	Follies Pink	L328
		206–210	Magical Magenta	L795
		211–215	Pale Rose	L154
		216–220	Smokey Pink	L127
		221–225	Flesh Pink	L192
		226–230	Special Rose Pink	L332
		231–235	Moroccan Pink	L790
		236–240	Pink	L157
		241–245	Cherry Rose	R332
		246–250	Cool LED Bright Pink	L128
		251–255	No function	
6	CCT	000–009	No function	
		010	1800 K	
		010–025	1800–2200 K (linear transition)	
		025	2200 K	
		025–040	2200–2700 K (linear transition)	
		040	2700 K	
		040–055	2700–3000 K (linear transition)	
		055	3000 K	
		055–070	3000–3200 K (linear transition)	
		070	3200 K	
		070–085	3200–4000 K (linear transition)	
		085	4000 K	
		085–100	4000–4500 K (linear transition)	
		100	4500 K	
		100–115	4500–5000 K (linear transition)	
		115	5000 K	
		115–130	5000–5600 K (linear transition)	
		130	5600 K	
		130–145	5600–6000 K (linear transition)	
		145	6000 K	
		145–160	6000–6500 K (linear transition)	
		160	6500 K	
		160–175	6500–7000 K (linear transition)	
		175	7000 K	
		175–190	7000–8000 K (linear transition)	
		190	8000 K	
		190–205	8000–10000 K (linear transition)	
		205	10000 K	
		205–255	10000–10000 K (linear transition)	
7	Auto	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	

CMY 10 CH	Function	Value	Setting
		111–120	Auto 8
		121–130	Auto 9
		131–140	Auto 10
		141–150	Custom 1
		151–160	Custom 2
		161–255	No function
8	**Auto Speed**	000–255	Auto program speed adjustment
9	**Strobe**	000–009	No function
		010–099	From low to high frequency (0–25 Hz)
		100–109	No function
		110–179	Pulse strobe, from low to high rate
		180–189	No function
		190–255	Random strobe, from low to high rate
10	**Control**	000–010	No function
		011–020	Reserved
		021–030	Reserved
		031–040	Reserved
		041–050	Reserved
		051–060	Reserved
		061–070	Live (Auto)
		071–080	Studio (Slow)
		081–090	Power (Fast)
		091–100	Reserved
		101–110	Dimmer off
		111–120	Dimmer DIM4
		121–130	Reserved
		131–140	Reserved
		141–150	Reserved
		151–160	1200Hz
		161–170	2400Hz
		171–180	4000Hz
		181–190	6000Hz
		191–200	25000Hz
		201–210	All reset
		211–220	Reserved
		221–230	Reserved
		231–240	Reserved
		241–255	Reserved

Note:

Make sure that the Intensity channel is open in order to see the light output.

6.8. RDM Information

This device supports RDM. Refer to **6.8.2. Supported RDM PIDs (Parameter IDs)** for more information.

6.8.1. RDM Details

- Responder: 29B4:0A0xxxxx
- Manufacturer's ID: Showtec
- Manufacturer Label: Showtec
- Model Description: Performer Profile 700 Q6
- Model ID: 160
- Device Label: Performer Profile 700 Q6

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 (Parameter IDs)

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	• Replace the fuse. See **8.3.1. Replacing the Fuse** on page 51. 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 37
The device does not respond to DMX control	The controller is not connected	• Connect the controller
	The signal is reversed. The 5-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 which device is defective, 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 5 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.

8.3. 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.

8.3.1. Replacing the Fuse

DANGER
Electric shock caused by short-circuit

- Do not bypass the thermostatic switch or fuses.
- For replacement use fuses of the same type and rating only.

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 Transportation

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.

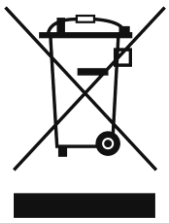
9.2. Instructions for Deinstallation

- 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 50.
- Store the device in the original packaging, if possible.

10. Disposal



Correct disposal of this product

Disposal of Old Electrical and Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

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 applicable collection point for the 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

CE

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