Show tec ®

Performer Profile IP Q4 V1

Order code: 33111

Table of contents

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Warning

**For your own safety, please read this user manual carefully
before your initial start-up!**

Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Your shipment includes:

- Showtec Performer Profile IP Q4
- Gobo holder with a glass gobo
- True1 to Schuko pro power cable (2,1 m)
- 2 x safety cable
- User manual
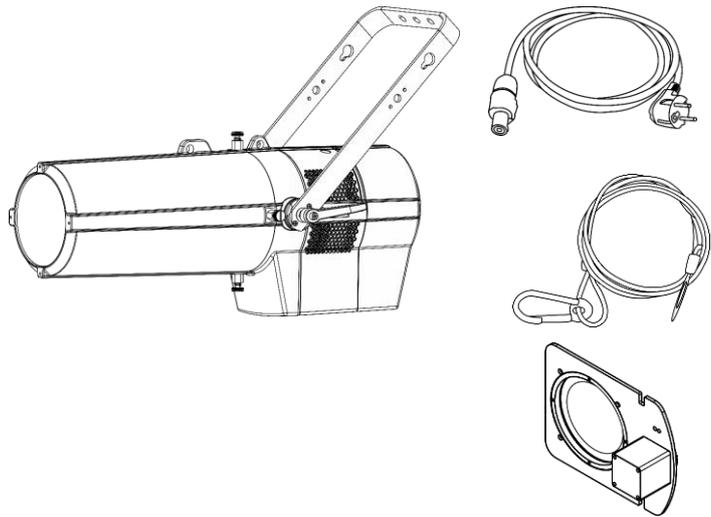
LED Expected Lifespan

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason, when all color LEDs are used at their fullest intensity, life of the LEDs is significantly reduced. If improving the lifespan is of higher priority, place care in providing for lower operational temperatures. This may include climatic-environmental and the reduction of overall projection intensity.

Safety Instructions

Every person involved with the installation, operation and maintenance of this device has to:
- be qualified
- follow the instructions of this manual

**CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!**

Before the initial start-up, please make sure that there is no damage caused by transportation.
Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes contained in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.
This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

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

- Never let the power cord come into contact with other cables! Handle the power cord and all connections with the mains with particular caution!
- Never modify, bend, mechanically strain, put pressure on, pull or heat up the power cord.
- Never strain the cable. There must always be sufficient cable going to the device. Otherwise, the cable will be damaged, which can cause serious damage.
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never lift the fixture holding it by the projector-head, as the mechanics may be damaged. Always hold the fixture by the transport handles.
- Never place any material over the LEDs or the lens.
- Never look directly into the light source.
- Never leave any cables lying around.
- Never use the device during thunderstorms, unplug the device immediately.
- Never leave various parts of the packaging (plastic bags, polystyrene foam, nails, etc.) within children's reach, as they are potential sources of danger.
- Do not insert objects into air vents.
- Do not connect this device to a dimmer pack.
- Do not switch the device on and off in short intervals, as this will reduce the device's life.
- Do not touch the device's housing bare-handed during its operation (housing becomes very hot). Allow the fixture to cool for at least 5 minutes before handling.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only operate the fixture after having checked if the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always keep the case closed while operating.
- Always allow a free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power cord holding it by the plug. Never pull out the plug by tugging the power cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power cord is never crimped or damaged. Check the device and the power cord from time to time.
- If the lens is obviously damaged, it has to be replaced to prevent its functions from being impaired, due to cracks or deep scratches.
- If the external cable is damaged, it has to be replaced by a qualified technician.
- If device was dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue the use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. The device must be installed beyond the reach of children. Never leave the unit running unattended.
- Never attempt to bypass the thermostatic switch or fuses.
- For replacement use fuses of same type and rating only.
- The user is responsible for correct positioning and operating of the Performer. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

> **CAUTION! Eyedamages!!!**
> **Avoid looking directly into the lightsource!!!**
> **(meant especially for epileptics)!!!**

Operating Determinations

- This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
- The minimum distance between light output and the illuminated surface must be bigger than 0,8 meter.
- In order to eliminate wear and improve the device's lifespan, during periods of non-use, completely disconnect from power source via breaker or by unplugging.
- The maximum ambient temperature t_a = 40 °C must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 40 °C.
- If this device is operated in any other way than the one described in this manual, the product may suffer damages and the warranty becomes void.
- Any other operation may lead to dangers like short-circuit, burns, electric shock, crash, etc.

You endanger your own safety and the safety of others!

Rigging

Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself !
Always let the installation be carried out by an authorized dealer !

Procedure:

- If the Performer is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the Performer, with the mounting bracket, to the trussing system.
- The Performer must never be fixed swinging freely in the room.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety cable.
- When rigging, derigging or servicing the device, always make sure, that the area below the installation site is secured and that there are not any unauthorized people around.

Improper installation can cause serious injuries and/or damage of property!

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Safety cables
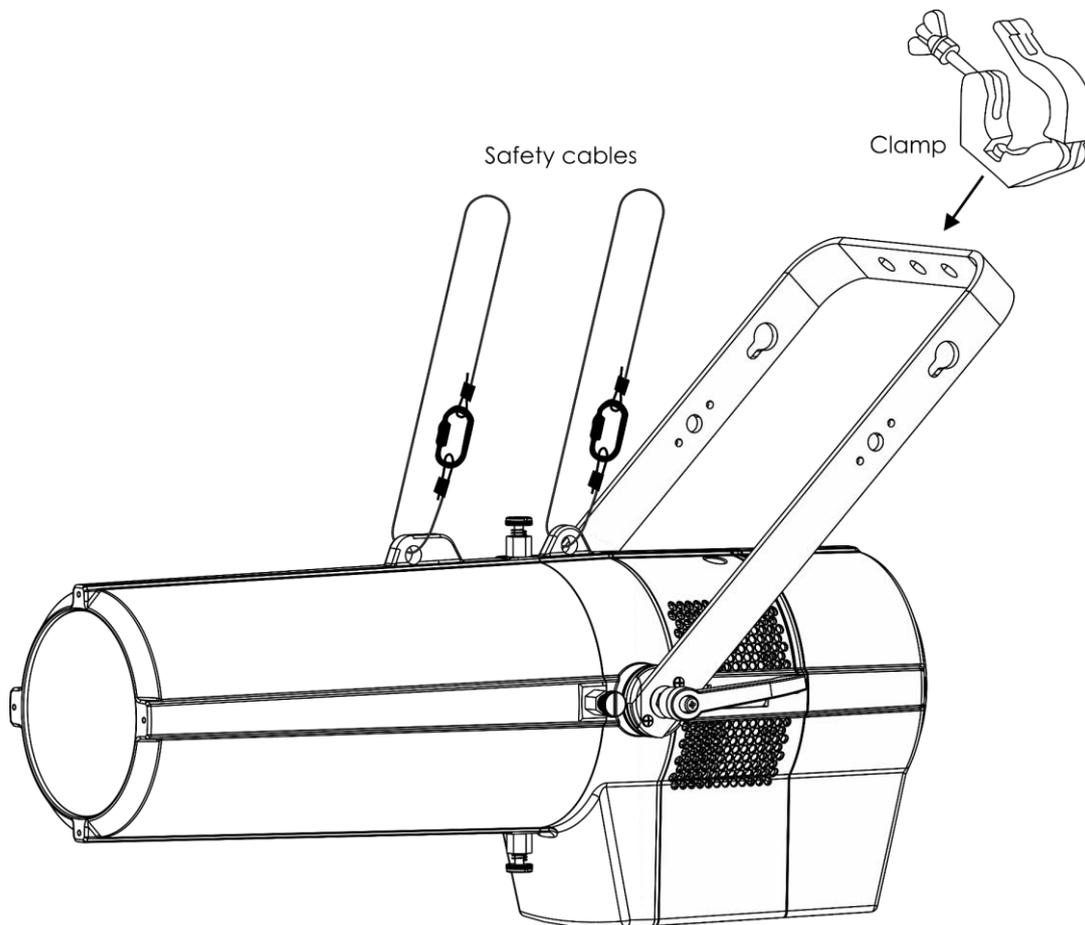
Clamp

The Performer can be mounted to any kind of truss with a clamp.

Improper installation can cause serious injuries and/or damage of property!

Connection with the mains
Connect the device to the mains with the power-plug.
Always check if the right color cable is connected to the right place.

International	EU Cable	UK Cable	US Cable	Pin
L	BROWN	RED	YELLOW/COPPER	PHASE
N	BLUE	BLACK	SILVER	NEUTRAL
⏚	YELLOW/GREEN	GREEN	GREEN	PROTECTIVE GROUND

Make sure that the device is always properly connected to the earth!

Improper installation can cause serious injuries and/or damage of property!

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⚠ Return Procedure ⚠

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail aftersales@highlite.com and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:
01) Your name
02) Your address
03) Your phone number
04) A brief description of the symptoms

Claims

The client has the obligation to check the delivered goods immediately upon delivery for any short-comings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to report and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless agreed otherwise in writing.

Complaints against us must be prepared in writing or sent by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement from which the obligation is resulting.

Description of the device

Features

The Showtec Performer Profile IP Q4 is an IP-rated theater spotlight fixture with high output and great effects.

- Input voltage: 110–240 V AC, 50/60 Hz
- Power consumption: 300W@FO
- Light source: 1 x 250W LED Array RGBW
- Drive current: 1,2A
- Light output: 9975 lx @ 3 m (15°)
- DMX Channels: HSIC (8CH), Simple (9CH), Colour 8Bit (12CH), Colour 16Bit (17CH)
- Control: Static, Manual, Master/Slave, DMX-512/RDM
- Refresh rate: 600 Hz–25 kHz
- CCT: 2700-8000K
- Dimmer: 0–100 %
- Strobe: 0–25 Hz
- Dimming curves: Dimm4 technology, 4 presets
- Dimming resolution: 16 bit
- Beam angle: 15°–30°
- Zoom: Electrical
- Focus: Electrical
- Gobo (included): 66 mm/49,5 mm (M size)
- Connections: Dedicated IP True1 pro power connector IN, IP 3-pin XLR signal connectors IN/OUT
- Housing: Die-cast aluminum
- Cooling: Fan
- Color: Black, powder-coated
- IP rating: IP65
- Dimensions: 650 x 340 x 575 mm (LxWxH)
- Weight: 13,74 kg

Overview
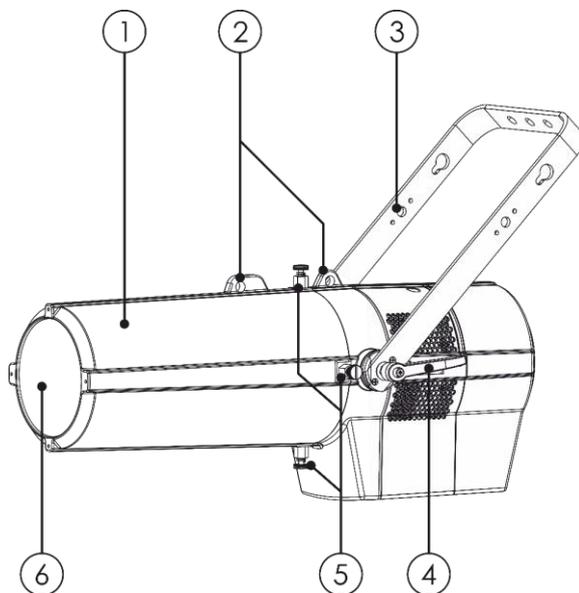
Fig. 01

01) Lens tube cover
02) Safety eyes
03) Mounting bracket
04) Adjustment screw
05) Lens tube cover mounting screws
06) Lens

Backside
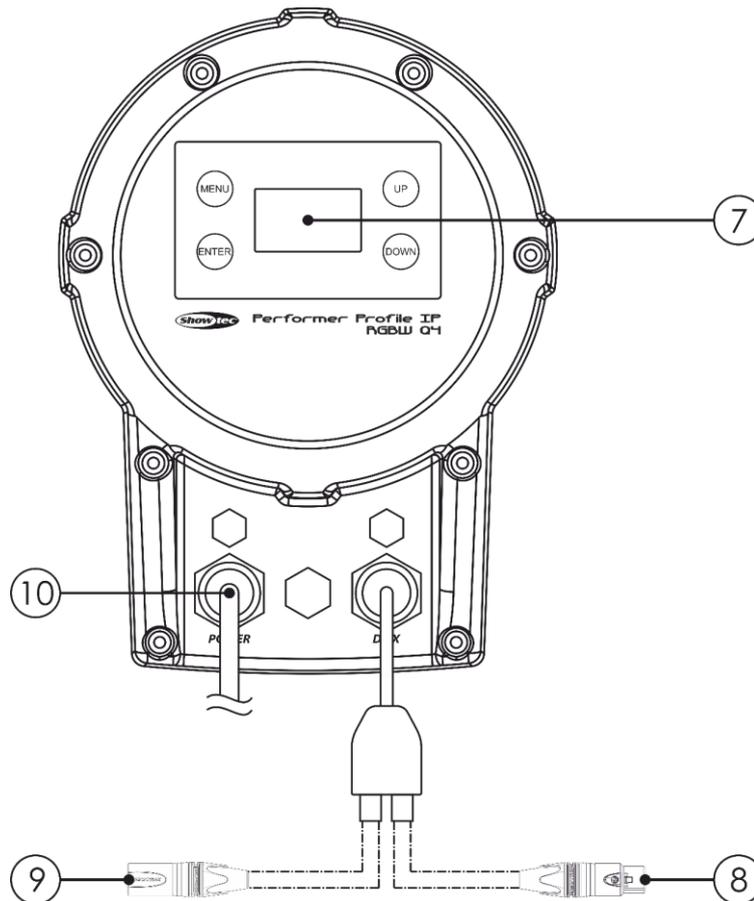
Fig. 02

07) OLED display + control buttons
08) 3-pin DMX signal connector OUT
09) 3-pin DMX signal connector IN
10) 100–240 V True1 pro power connector IN
    Connect the included True1 pro power cable.

Installation

Remove all packing materials from the Performer Profile IP Q4. Check if all foam and plastic padding is removed. Connect all cables.
Do not supply power before the whole system is set up and connected properly.
Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.

Gobo Holder Installation

01) Loosen the 4 cover mounting screws (Fig. 03) and remove the cover (Fig. 04).
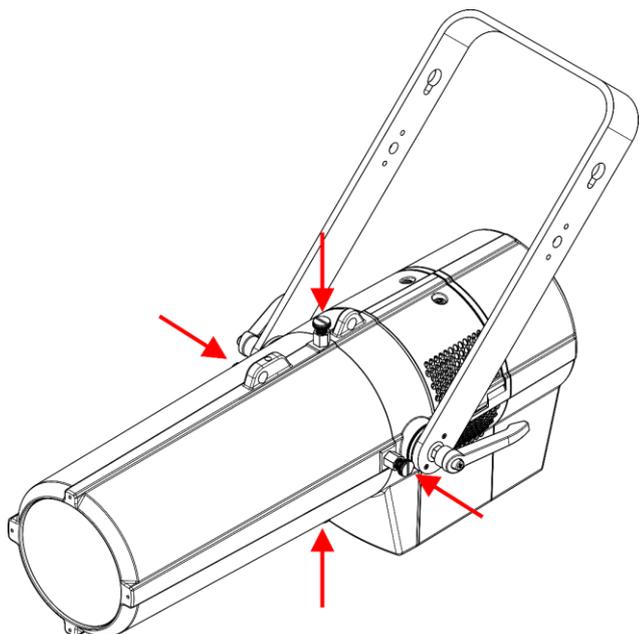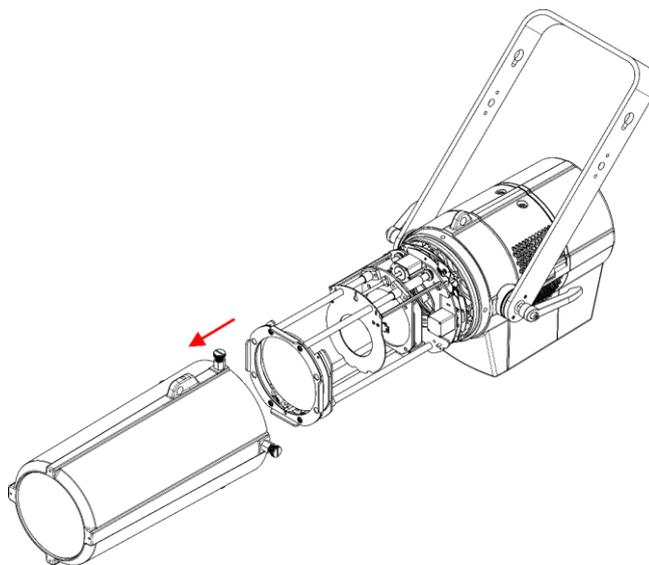
Fig. 03   **Fig. 04**

02) Slide the gobo holder into the slot (Fig. 05) until it is locked in position (Fig. 06).
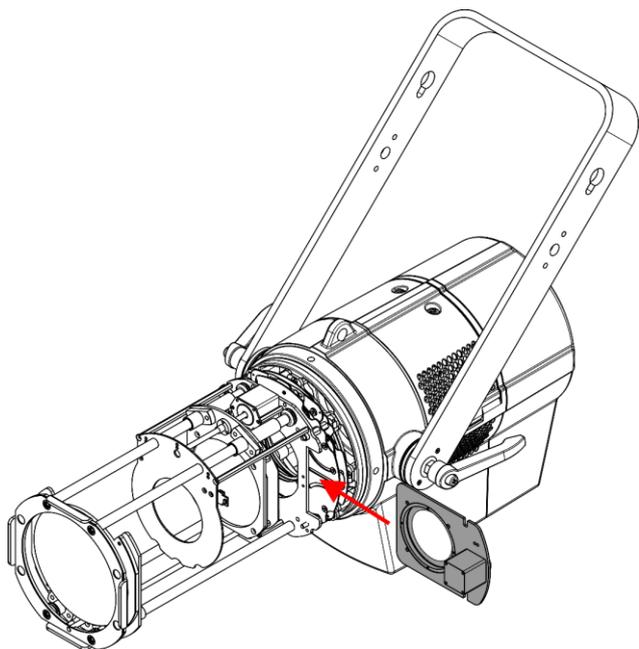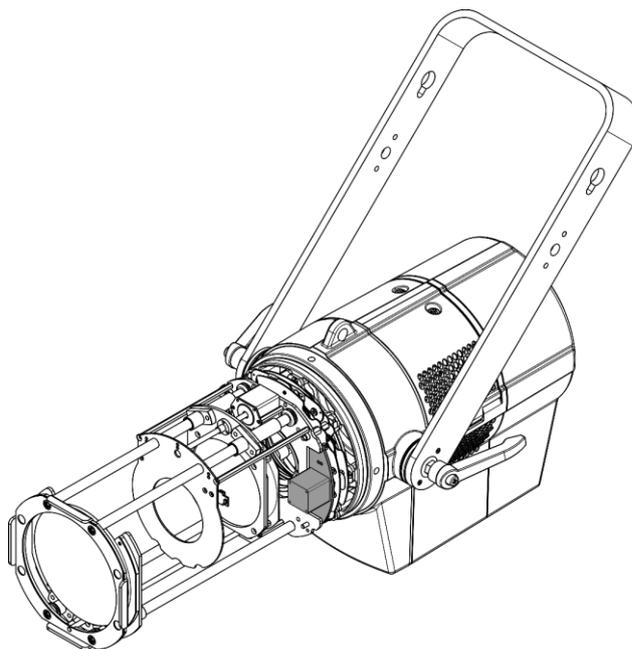
Fig. 05   **Fig. 06**

03) Connect the cable on the gobo with the connector on the Performer.
04) Replace the cover and tighten the 4 mounting screws.

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Setup and Operation

Follow the directions below, as they pertain to your preferred operation mode.
Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120 V specification product on 230 V power, or vice versa.
Connect the device to the main power supply.

Shaping the Beam

The shutters are located inside the barrel. Turn the shutter controls to move the shutters back and forth to modify the shape of the beam.

01) Loosen the 4 cover mounting screws (Fig. 07) and remove the cover (Fig. 08).
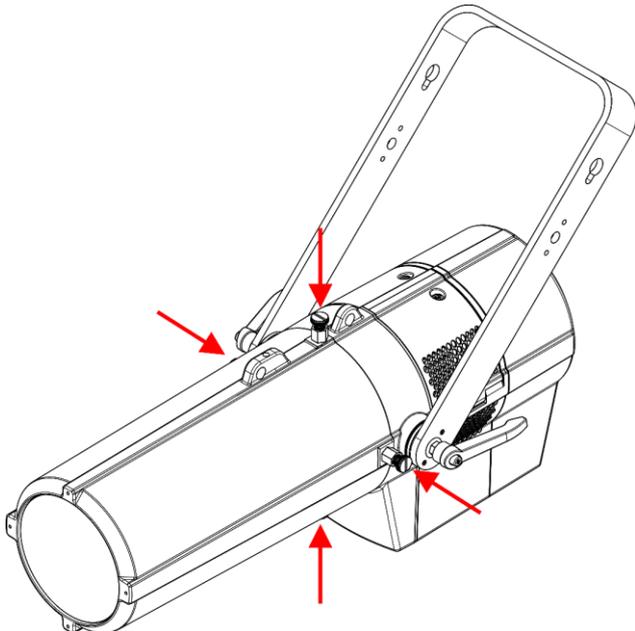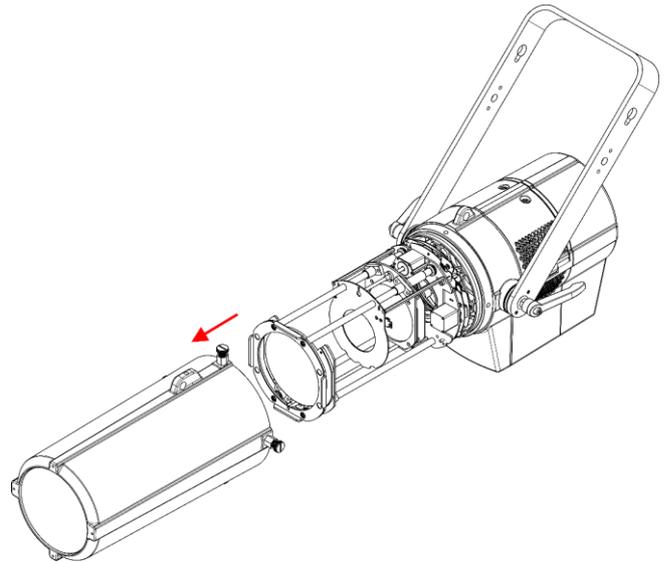
Fig. 07   **Fig. 08**

02) Move the shutter controls to position the shutters (Fig. 09). There are 6 shutter controls (2 per shutter).
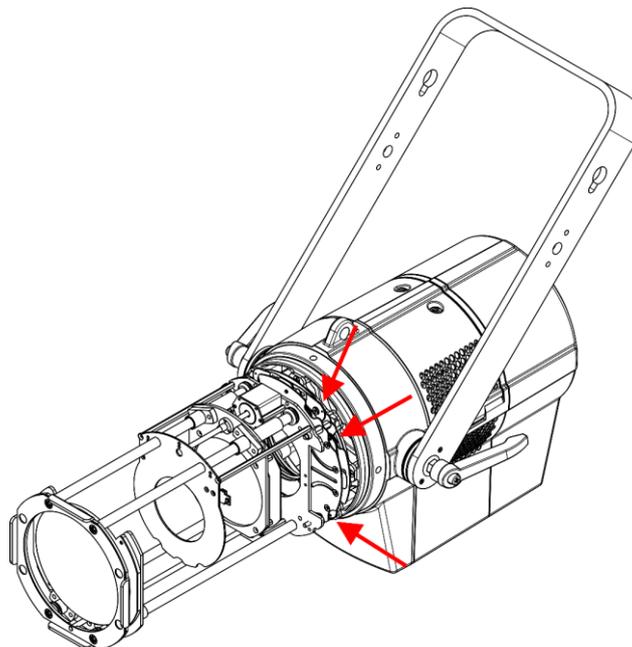
Fig. 09

03) Replace the cover and tighten the 4 mounting screws.

Control Modes

There are 4 modes:
- Static
- Manual (Custom Programs)
- Master/Slave
- DMX-512/RDM (8CH, 9CH, 12CH, 17CH)

One Performer (Static, Manual)
01) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
02) Always use a safety cable (ordercode 70140 / 70141).
03) Plug the end of the electric mains power cord into a proper electric power supply socket.
04) When the Phantom is not connected with a DMX cable, it functions as a stand-alone device. Please see pages 17–19 for more information about Static and Manual mode.

Multiple Performers (Master/Slave control)
01) Fasten the effect light onto firm trussing. Leave at least 0,5 meter on all sides for air circulation.
02) Always use a safety cable (ordercode 70140 / 70141).
03) Use a 3-pin XLR cable to connect the Performer.

The pins: 01) Earth
             02) Signal -
             03) Signal +

04) Link the units as shown in Fig. 10. Connect the first unit's DMX "out" socket with the second unit's "in" socket, using a DMX signal cable. Repeat this process to link the second, third and fourth units. You can use the same functions on the master device as described on pages 17–19 (Static or Manual mode). This means that you can set your desired operation mode on the master device and all slave devices will react the same as the master device.

Multiple Performers (Master/Slave control)
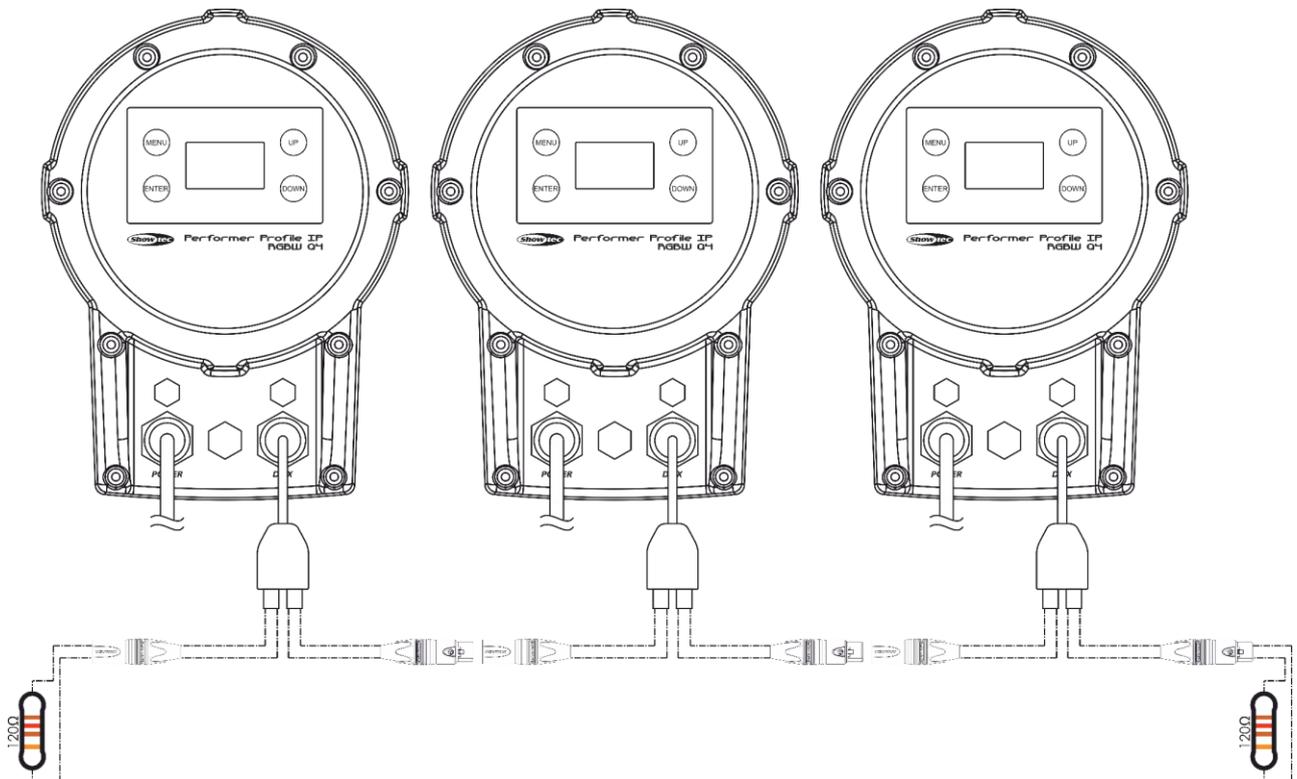
Fig. 10

Multiple Performers (DMX Control)

01) Fasten the effect light to a firm trussing or mount it on flat surface. Leave at least 0,5 meter on all sides for air circulation.
02) Always use a safety cable (ordercode 70140 / 70141).
03) Use a 3-pin DMX cable to connect the Performer and other devices.

Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)
Pin 4: N/C
Pin 5: N/C

Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)

Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)

Pin 1: GND (screen)
Pin 2: Signal (-)
Pin 3: Signal (+)
Pin 4: N/C
Pin 5: N/C
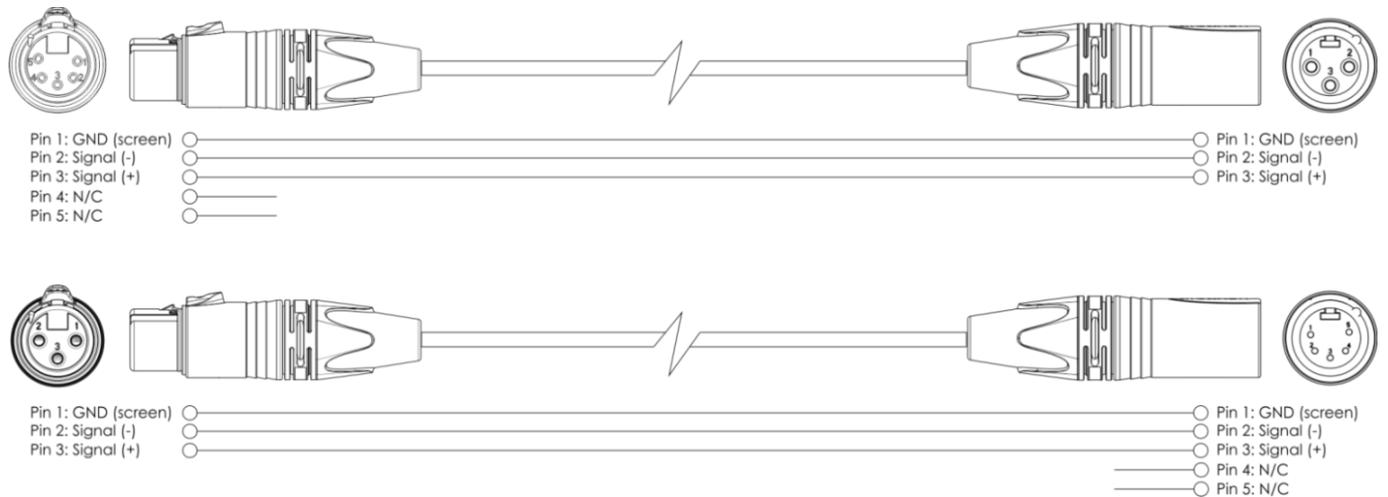
04) Link the units as shown in Fig. 11. Connect a light controller to the first unit's DMX "in" socket, using a DMX cable. Connect the first unit's "out" socket with the second unit's "in" socket, using a DMX cable. Repeat this process to link the rest of the units.
05) Supply electric power: Plug electric mains power cords into each unit's special IP rated power IN socket, then plug the other end of the mains power cord into proper electric power supply sockets, starting with the first unit. Do not supply power before the whole system is set up and connected properly.
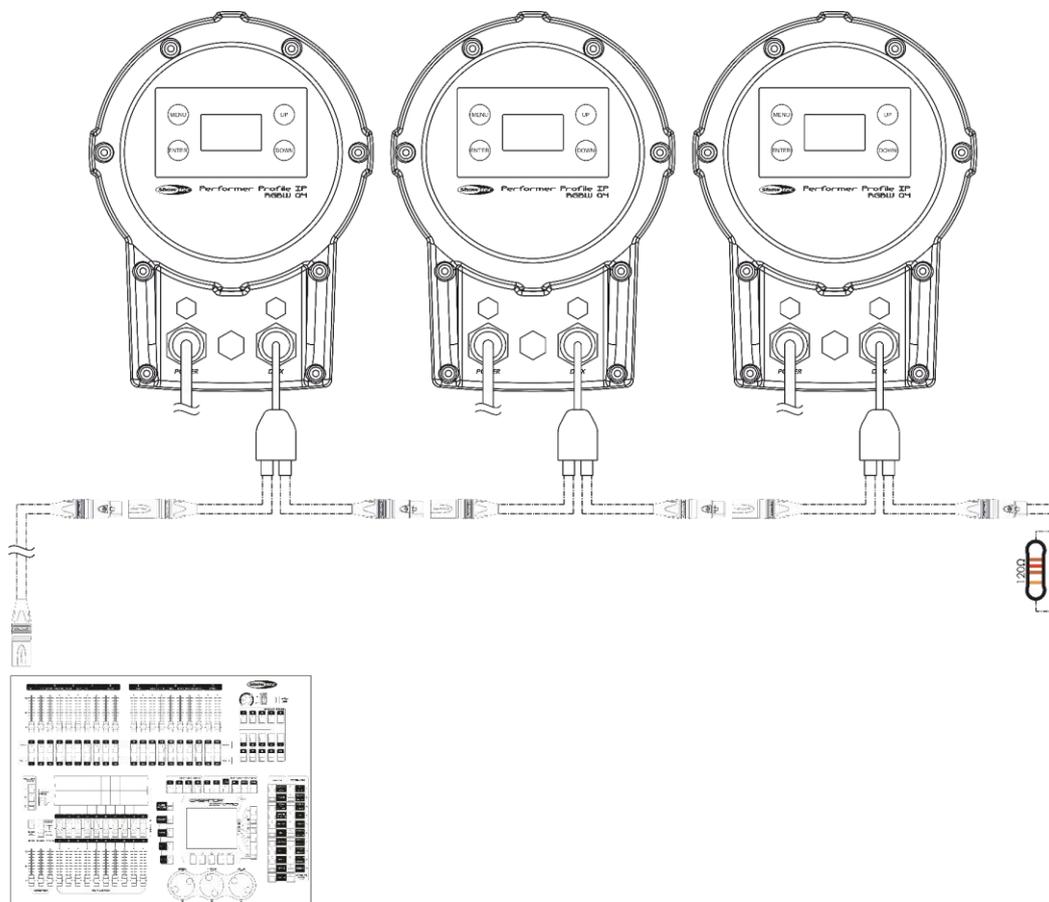
Fig. 11

Note : Link all cables before connecting electric power

Fixture Linking

You will need a serial data link to run light shows of one or more fixtures using a DMX-512 controller or to run synchronized shows of two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

Important: Fixtures on a serial data link must be daisy-chained in a single line. To comply with the EIA-485 standard, no more than 30 devices should be connected on one data link. Connecting more than 30 fixtures on one serial data link without the use of a DMX optically isolated splitter may result in deterioration of the digital DMX signal.

Maximum recommended DMX data link distance: 100 meters
Maximum recommended number of fixtures on a DMX data link: 30 fixtures
Maximum recommended number of fixtures on a power link @ 120 V: 7 units
Maximum recommended number of fixtures on a power link @ 230 V: 14 units

Data Cabling

To link fixtures together, you must obtain data cables. You can purchase DAP Audio certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable, please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

DAP Audio DMX Data Cables
- DAP Audio Basic microphone cable for allround use. bal. XLR/M 3-pin > XLR/F 3-pin. **Ordercode** FL01150 (1,5 m), FL013 (3 m), FL016 (6 m), FL0110 (10 m), FL0115 (15 m), FL0120 (20 m).
- DAP Audio X-type data cable XLR/M 3-pin > XLR/F 3-pin. **Ordercode** FLX0175 (0,75 m), FLX01150 (1,5 m), FLX013 (3 m), FLX016 (6 m), FLX0110 (10 m).
- DAP Audio cable for the demanding user with exceptional audio-qualities and connector made by Neutrik®. **Ordercode** FL71150 (1,5 m), FL713 (3 m), FL716 (6 m), FL7110 (10 m).
- DAP Audio cable for the demanding user with exceptional audio-qualities and connector made by Neutrik®. **Ordercode** FL7275 (0,75 m), FL72150 (1,5 m), FL723 (3 m), FL726 (6 m), FL7210 (10 m).
- DAP Audio 110 Ohm cable with digital signal transmission. **Ordercode** FL0975 (0,75 m), FL09150 (1,5 m), FL093 (3 m), FL096 (6 m), FL0910 (10 m), FL0915 (15 m), FL0920 (20 m).
- DAP Audio DMX adapter: 5-pin > 3-pin. **Ordercode** FLA29.
- DAP Audio DMX adapter: 3-pin > 5-pin. **Ordercode** FLA30.
- DAP Audio DMX Terminator 3-pin. **Ordercode** FLA42.
- DAP Audio DMX Terminator 5-pin. **Ordercode** FLA43.

The Performer Profile IP Q4 can be operated with controller or without controller in stand-alone mode.

Control Panel

A) OLED display
B) UP button
C) DOWN button
D) ENTER button
E) MENU button
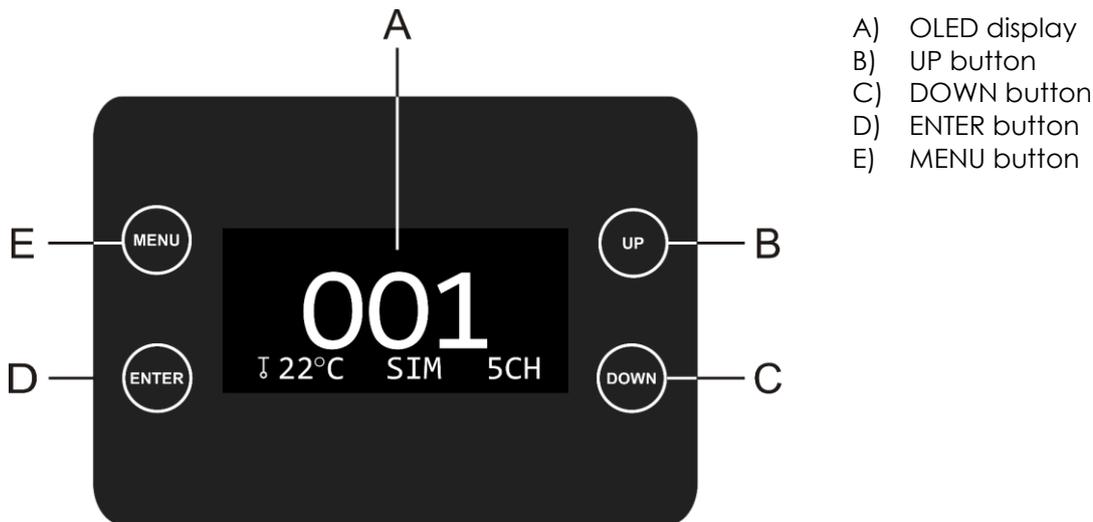
Fig. 12

DMX Addressing

The control panel on the front side of the base allows you to assign DMX fixture addresses, which is the first channel with which the Performer will respond to the controller.

Please note, when you use the controller, the unit has **17** channels.

When using multiple Performers, make sure you set the DMX addresses right.

Therefore, the DMX address of the first Performer should be **1(001)**; the DMX address of the second Performer should be **1+17=18 (018)**; the DMX address of the third Performer should be **18+17=32 (032)**, etc.

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

Controlling:

After having addressed all Performer fixtures, you may now start operating these via your lighting controller.

Note: After switching on, the Performer will automatically detect whether DMX 512 data is received or not. If there is no data received at the DMX input, the "**LED**" on the control panel will not flash.

If not, the problem may be:

● The XLR cable from the controller is not connected with the input of the Performer.
● The controller is switched off or defective, the cable or connector is detective, or the signal wires are swapped in the input connector.

Note: It is necessary to insert an XLR termination plug (with 120 Ohm) in the last fixture in order to ensure proper transmission on the DMX data link.

⚠ Display Off after 25 seconds ⚠

When no button is pressed for 25 seconds, the display will turn off.
To light up the display, you have to press one of the buttons: MENU, ENTER, UP or DOWN.
Once you have pressed the buttons, the display will light up.

Menu Overview

Main Menu
STATIC
ADDRESS
PERSONALITY

ENTER →

STATIC
RED
GREEN
BLUE
WHITE
ZOOM
FOCUS
GOBO
STROBE

UP/DOWN

ENTER →

STATIC
RED   255
GREEN   255
BLUE   255
WHITE   255
ZOOM   255
FOCUS   255
GOBO   255
STROBE   25

ENTER

Main Menu
STATIC
ADDRESS
PERSONALITY

ENTER →

ADDRESS
001

UP/DOWN

ADDRESS
504

Main Menu
STATIC
ADDRESS
PERSONALITY

ENTER →

PERSONALITY
HSIC
SIMPLE
COLOR 8BIT
MODE 16BIT

UP/DOWN

Main Menu
ADDRESS
PERSONALITY
RUN MODE

ENTER →

RUN MODE
DMX
SLAVE

UP/DOWN

Main Menu
PERSONALITY
RUN MODE
MANUAL

ENTER →

MANUAL
Play
Edit

UP/DOWN

ENTER →

MANUAL PLAY
PROGRAM1
PROGRAM2
...
PROGRAM10

UP/DOWN

MANUAL
Play
Edit

ENTER →

MANUAL EDIT
PROGRAM1
PROGRAM2
...
PROGRAM10

UP/DOWN

ENTER →

PROGRAM1
SCENE-01
SCENE-02
...
SCENE-30

UP/DOWN

ENTER →

SCENE-01
RED
GREEN
BLUE
WHITE
ZOOM
FOCUS
GOBO
STROBE
TIME
FADE

UP/DOWN

ENTER →

SCENE-01
RED   255
GREEN   255
BLUE   255
WHITE   255
ZOOM   255
FOCUS   255
GOBO   255
STROBE   25
TIME   255
FADE   255

ENTER

Main Menu
RUN MODE
MANUAL
SETTING

ENTER →

Pass code:
****

ENTER →

SETTING
KEY
DIMMER
PERFORM

ENTER →

KEY
OFF
ON

UP/DOWN

SETTING
KEY
DIMMER
PERFORM

ENTER →

DIMMER
OFF
DIM1
DIM2
DIM3
DIM4

UP/DOWN

SETTING
KEY
DIMMER
PERFORM

ENTER →

PERFORM
LIVE
STUDIO
POWER

UP/DOWN

SETTING
DIMMER
PERFORM
PWM

ENTER →

PWM
600HZ
1200HZ
2400HZ
4000HZ
6000HZ
25000HZ

UP/DOWN

UP/DOWN

SETTING
PERFORM
PWM
DMX ERROR

ENTER →

DMX ERROR
SAVE
BLACK

UP/DOWN

SETTING
PWM
DMX ERROR
RESET

ENTER →

Pass code:
****

ENTER →

RESET...

ENTER →

OK!

SETTING
DMX ERROR
RESET
FULL_POWER CCT

ENTER →

FULL_POWER CCT
3200K
4200K
5600K
10000K
NORMAL

UP/DOWN

SETTING
RESET
FULL_POWER CCT
XY OFFSET

ENTER →

XY OFFSET
HIDE
SHOW

UP/DOWN

Main Menu
MANUAL
SETTING
WIRELESS

ENTER →

WIRELESS
WIRELESS RESET

ENTER →

WIRELESS RESET
YES
NO

UP/DOWN

ENTER →

RESET...

Main Menu
SETTING
WIRELESS
INFO

ENTER →

INFO
VERSION
RDM

ENTER →

VERSION
V01
2018-12-19

UP/DOWN

INFO
VERSION
RDM

ENTER →

RDM
UID
LABEL

ENTER →

UID
0x29B404F00011

UP/DOWN

RDM
UID
LABEL

ENTER →

LABEL
Profile
Outdoor RGBW

UP/DOWN

Main Menu Options

01) On start-up, the display will show the Showtec logo and, after 15 seconds, the information about the device's current status:

```
001
☿ 22°C  SIM   9CH
```

02) Press the **ENTER** button. The display will show:

```
Pass code:

****
```

03) To unlock the display and access the main menu, enter the password.
04) Press the **UP**, **DOWN**, **UP**, **DOWN** buttons in this order.
05) Press the **ENTER** button to unlock the main menu.
06) Press the **UP/DOWN** buttons to toggle through the 8 main menu options:

```
Main Menu
STATIC
ADDRESS
PERSONALITY
RUN MODE
MANUAL
SETTING
WIRELESS
INFO
```

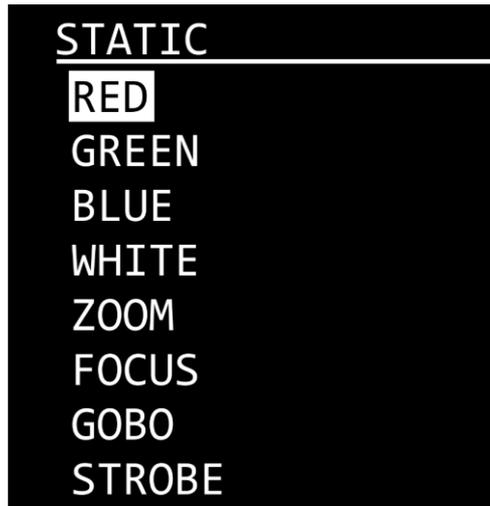07) Press the **ENTER** button to open the desired submenu.

1. Static
In this menu you can manually set the dimmer, zoom, focus, gobo and strobe.

```
STATIC
RED
GREEN
BLUE
WHITE
ZOOM
FOCUS
GOBO
STROBE
```

01) Press the **UP/DOWN** buttons to toggle through the following options:
   - RED: 0–255, from dark to brightest
   - GREEN: 0–255, from dark to brightest
   - BLUE: 0–255, from dark to brightest
   - WHITE: 0–255, from dark to brightest
   - ZOOM: 0–255, from small to big
   - FOCUS: 0–255
   - GOBO: 0–255, position of the gobo
   - STROBE: 0–25, from low to high strobe frequency
02) Press the **ENTER** button to open the desired option.
03) Press the **UP/DOWN** buttons to adjust settings.
04) Repeat steps 2–3 to adjust the remaining settings.

Note:
ZOOM and FOCUS will be reset **only if** a DMX signal **is** present during start-up of the Performer.
When a DMX signal **is not** present during start-up, ZOOM and FOCUS **will not be reset and it will not be possible to adjust their values**. (It is useful when using the Performer in fixed installations.)

2. Address
In this menu you can set the device's DMX starting address.

```
ADDRESS
001
```

01) Press the **UP/DOWN** buttons to set the desired DMX address.
   The adjustment range is between:
   - 001–504 (HSIC)
   - 001–503 (SIMPLE)
   - 001–500 (COLOR 8BIT)
   - 001–495 (MODE 16BIT)
02) For more information about the DMX personalities, see pages 26–31.

3. Personality (DMX Channel Modes)
In this menu you can set the DMX channel mode (personality).

```
PERSONALITY
HSIC
SIMPLE
COLOR 8BIT
MODE 16BIT
```

01) Press the **UP/DOWN** buttons to select one of the 4 DMX channel modes:
- HSIC: 8-channel mode
- SIMPLE: 9-channel mode
- COLOR 8BIT: 12-channel mode
- MODE 16BIT: 17-channel mode

4. Run Mode
In this menu you can set the control mode.

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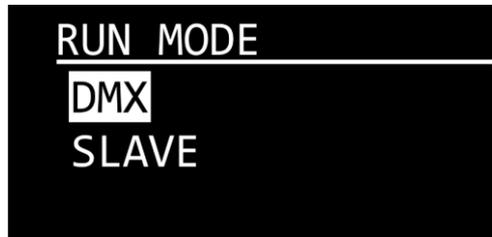
01) Press the **UP/DOWN** buttons to toggle between the following 2 options:
- DMX: The device will operate in DMX mode.
- SLAVE: The device will operate as a slave in Master/Slave mode. It means that it will react the same as the master device.

5. Manual
In this menu you can edit and play one of the 10 customizable programs. In order to be able to play any program, you need to edit it first.

5.1. Edit

```
MANUAL
Play
Edit
```
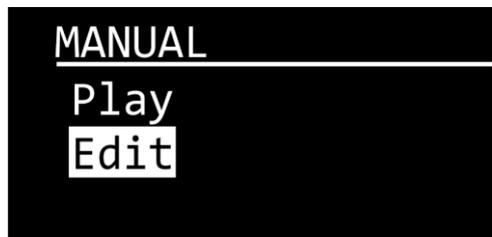
01) Press the **UP/DOWN** buttons to choose EDIT and press the **ENTER** button to open the menu. The display will show:

```
MANUAL EDIT
PROGRAM1
PROGRAM2
...
PROGRAM10
```

02) Press the **UP/DOWN** buttons to choose one of the 10 custom programs.
03) Press the **ENTER** button to confirm. Each program can consist of up to 30 customizable scenes. The display will show:

```
PROGRAM1
 SCENE-01
 SCENE-02
  ...
 SCENE-30
```

04) Press the **UP/DOWN** buttons to select the desired scene.
05) Press the **ENTER** button to enter scene settings. The display will show:

```
SCENE-01
 RED
 GREEN
 BLUE
 WHITE
 ZOOM
 FOCUS
 GOBO
 STROBE
 TIME
 FADE
```
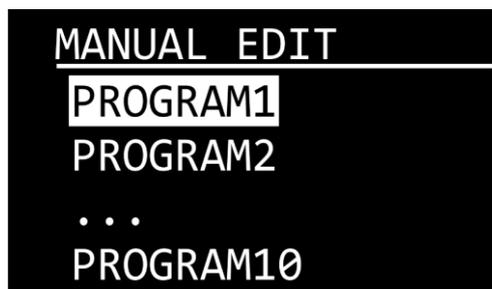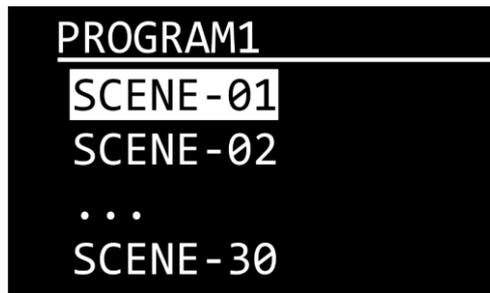
06) Press the **UP/DOWN** buttons to toggle through the following options:
   - RED: 0–255, from dark to brightest
   - GREEN: 0–255, from dark to brightest
   - BLUE: 0–255, from dark to brightest
   - WHITE: 0–255, from dark to brightest
   - ZOOM: 0–255, from small to big
   - FOCUS: 0–255
   - GOBO: 0–255, position of the gobo
   - STROBE: 0–25, from low to high strobe frequency
   - TIME: Scene duration, 0–255 seconds
   - FADE: Transition time between the scenes, 0–255 seconds

07) Press the **ENTER** button to open the desired option.
08) Press the **UP/DOWN** buttons to adjust settings.
09) Repeat steps 7–8 to adjust the remaining settings.
10) Press the **MENU** button to return to step 4 and choose another scene.
11) Repeat steps 4–10 to edit the remaining scenes.

Note: For each custom program you can create up to 30 scenes, which makes it possible to create a maximum of 300 customized scenes.

Note:
ZOOM and FOCUS will be reset **only if** a DMX signal **is** present during start-up of the Performer.
When a DMX signal **is not** present during start-up, ZOOM and FOCUS **will not be reset and it will not be possible to adjust their values**. (It is useful when using the Performer in fixed installations.)

5.2. Play

```
MANUAL
 Play
 Edit
```

01) Press the **UP/DOWN** buttons to choose PLAY and press the **ENTER** button to open the menu.
     The display will show:

```
MANUAL EDIT
 PROGRAM1
 PROGRAM2
 ...
 PROGRAM10
```
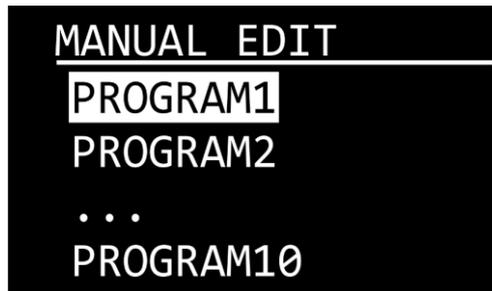
02) Press the **UP/DOWN** buttons to choose one of the 10 custom programs.
03) The device will now run the selected custom program.

6. Setting
In this menu you can adjust the device's settings.

01) Once you have entered SETTING menu, the display will show:

```
Pass code:

    ****
```

02) To unlock the display and access SETTING menu, enter the password.
03) Press the **UP**, **DOWN**, **UP**, **DOWN** buttons in this order.
04) Press the **ENTER** button to unlock SETTING menu.
05) Press the **UP/DOWN** buttons to toggle through the following submenus:

```
SETTING
 KEY
 DIMMER
 PERFORM
 PWM
 DMX ERROR
 RESET
 FULL_POWER CCT
 XY OFFSET
```
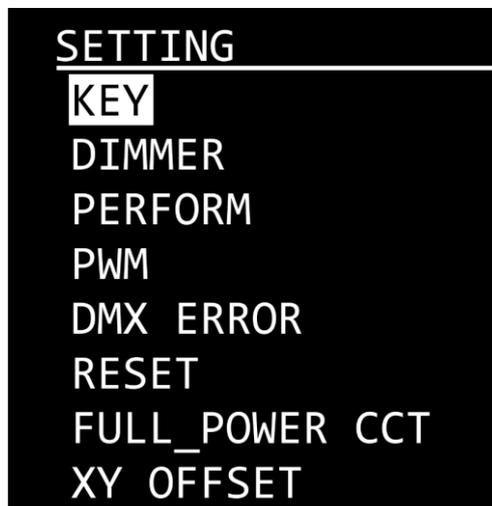
06) Press the **ENTER** button to open the desired submenu.

6.1. Key (Safety Lock)
In this menu you can activate the safety lock.

```
KEY_____
OFF
ON
```

01) Press the **UP/DOWN** buttons to toggle between ON and OFF.
   ● ON: Safety lock is on. The display turns off after 25 seconds of inactivity. Press the **UP**, **DOWN**, **UP**, **DOWN** buttons, in this order, to unlock SETTING menu. Press the **ENTER** button to confirm.
   ● OFF: SETTING menu remains unlocked after the display turns off.

6.2. Dimmer
In this menu you can adjust the dimmer speed.

```
DIMMER_____
OFF
DIM1
DIM2
DIM3
DIM4
```
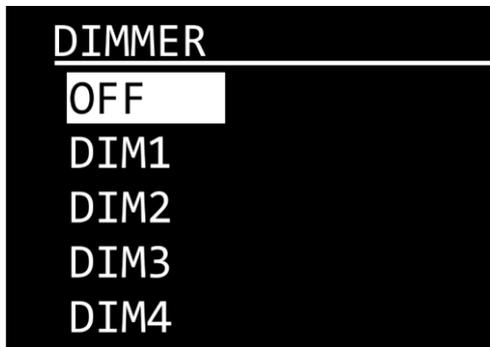
01) Press the **UP/DOWN** buttons to choose one of the following options:
   ● DIM1–4: Non-linear dimmers, from fast to slow
   ● OFF: Linear dimmer

6.3. Perform
In this menu you can set the performance of the cooling fan.

```
PERFORM_____
LIVE
STUDIO
POWER
```

01) Press the **UP/DOWN** buttons to toggle through the 3 modes:
   ● LIVE: Default mode. It provides a compromise between output quality and noise level.
   ● STUDIO: Noise level-oriented mode. It creates little noise and the device operates at a moderate power level.
   ● POWER: Output-oriented mode. The device operates at full power.

6.4. PWM

In this menu you can choose several PWM frequencies..

```
PWM
600HZ
1200HZ
2400HZ
4000HZ
6000HZ
25000HZ
```
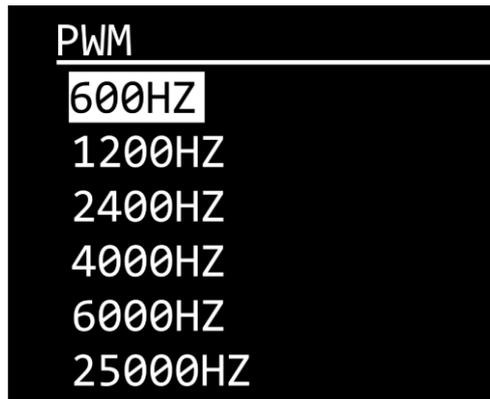
01) Press the **UP/DOWN** buttons to select one of the 6 options.

6.5. DMX Error

In this menu, you can determine the behavior of the device in case of a DMX error.

```
DMX ERROR
SAVE
BLACK
```

01) Press the **UP/DOWN** buttons to toggle between the following 2 options:
   - SAVE: In case of a DMX error, the device will use the last properly received DMX signal ensuring uninterrupted performance.
   - BLACK: In case of a DMX error, the device will black the light output out.

6.6. Reset

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

Note:
Please note that the factory reset will erase ALL custom settings and ALL custom programs.
Make sure that the factory reset is necessary before you perform it.

01) Once you have entered RESET menu, the display will show:

```
Pass code:
****
```

02) To unlock the display and access RESET menu, enter the password.
03) Press the **UP**, **DOWN**, **UP**, **DOWN** buttons in this order.
04) Press the **ENTER** button to confirm. The display will show:

RESET...

05) After a short moment, the display will show:

OK!

06) The default factory settings are now restored.

6.7. Full Power CCT
In this menu you can set the color temperature.
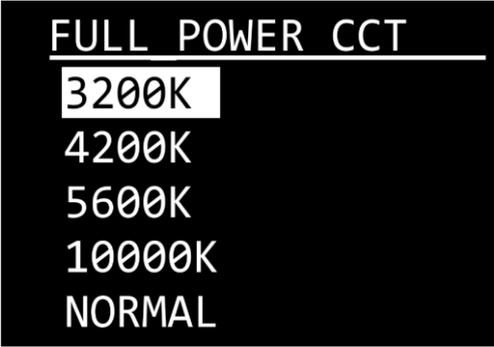
FULL POWER CCT
3200K
4200K
5600K
10000K
NORMAL

01) Press the **UP/DOWN** buttons to choose the desired color temperature.
The available options are: 3200K, 4200K, 5600, 10000K and NORMAL.

6.8. XY Offset
In this submenu you can enable the color temperature calibration.

XY OFFSET
HIDE
SHOW

01) Press the **UP/DOWN** buttons to toggle between the following 2 options:
   ● HIDE: color temperature calibration will be disabled
   ● SHOW: color temperature calibration will be enabled. See **6.7.Correlated Color Temperature Control (CCT)** on page 23 for more information
02) Press the **ENTER** button to confirm your choice.

7. Wireless

In this menu you can terminate the wireless connection, if you are using wireless DMX. Wireless DMX is not supported by the device by default. For more information, contact your dealer.

```
WIRELESS
WIRELESS RESET
```

01) Press the **ENTER** button to open the submenu. The display will show:

```
WIRELESS RESET
YES
NO
```

02) Press the **UP/DOWN** buttons to choose YES or NO.
03) Press the **ENTER** button to confirm.
04) If you have chosen YES, the display will show:

```
RESET...
```

8. Info

In this menu you can view the current software version and the device's RDM settings.

```
INFO
VERSION
RDM
```

01) Press the **UP/DOWN** buttons to choose between VERSION and RDM.
02) Press the **ENTER** button to confirm.

8.1. Version

In this submenu you can view the current software version.

```
VERSION
        V01
   2018-12-19
```

8.2. RDM

In this submenu you can view the device's RDM settings.

```
RDM
 UID
 LABEL
```

01) Press the **UP/DOWN** buttons to choose between UID and LABEL.
02) Press the **ENTER** button to confirm.
  ●   UID: The display shows the unique identification number of the device.
  ●   LABEL: The display shows the name of the device.

DMX Channels

8 channels (HSIC)

Channel 1 – Dimmer Intensity

0–255	Gradual adjustment, from dark to brightest

Channel 2 – Hue ⚠ CH1 and CH4 must be open ⚠

0-255	Gradual adjustment Hue, from 0-100 %

Channel 3 – Hue fine ⚠ CH1, CH2 and CH4 must be open ⚠

0-255	Gradual adjustment Hue Fine, from 0-100 %

Channel 4 – Saturation ⚠ CH1 must be open ⚠

0-255	Saturation adjustment, from 0-100 %

Channel 5 – CCT ⚠ CH1 must be open ⚠

0-10	No function
11-30	2700 K
21-50	3000 K
51-70	3200 K
71-90	3500 K
91-110	4000 K
111-130	4200 K
131-150	4500 K
151-170	5600 K
171-190	6000 K
191-210	6500 K
211-230	7200 K
231-255	8000 K

Channel 6 – Strobe ⚠ CH1-CH4 must be open or CH5 must be set between 11-255 ⚠

0-9	No function
10-99	Strobe flash rate, from low to high frequency (0-20 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

Channel 7 – Gobo Rotation ⚠ Gobo must be installed ⚠

0–9	Not functional
10–145	Gobo-indexing
146–150	Stop
151–200	Counterclockwise rotation (CCW), from slow to fast
201–205	Stop
206–255	Clockwise rotation (CW), from slow to fast

Channel 8 – Functions

0–9	Not functional
10–34	Fan speed: Live
35–59	Fan speed: Studio
60–84	Fan speed: Power
85–109	Fan speed mode OFF
110–134	Non-linear dimmer 1
135–159	Non-linear dimmer 2

160–184	Non-linear dimmer 3
185–209	Non-linear dimmer 4
210–234	Zoom, focus, gobo reset
235–255	Not functional

9 channels (HSIC)

Channel 1 – Dimmer Intensity

0–255	Gradual adjustment, from dark to brightest

Channel 2 – Red ⚠ CH1 must be open ⚠

0–255	Gradual adjustment Red, from dark to brightest

Channel 3 – Green ⚠ CH1 must be open ⚠

0–255	Gradual adjustment Green, from dark to brightest

Channel 4 – Blue ⚠ CH1 must be open ⚠

0–255	Gradual adjustment Blue, from dark to brightest

Channel 5 – White ⚠ CH1 must be open ⚠

0–255	Gradual adjustment White, from dark to brightest

Channel 6 – Zoom

0–255	Gradual adjustment zoom, from small to big

Channel 7 – Focus

0–255	Gradual adjustment focus, from near to far

Channel 8 – Strobe ⚠ CH1-CH5 must be open ⚠

0-9	No function
10-99	Strobe flash rate, from low to high frequency (0-20 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

Channel 9 – Functions

0–9	Not functional
10–34	Fan speed: Live
35–59	Fan speed: Studio
60–84	Fan speed: Power
85–109	Fan speed mode OFF
110–134	Non-linear dimmer 1
135–159	Non-linear dimmer 2
160–184	Non-linear dimmer 3
185–209	Non-linear dimmer 4
210–234	Zoom, focus, gobo reset
235–255	Not functional

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12 channels (COLOR 8BIT)

Channel 1 – Dimmer Intensity

0–255	Gradual adjustment, from dark to brightest

Channel 2 – Red ⚠ CH1 must be open ⚠

0–255	Gradual adjustment Red, from dark to brightest

Channel 3 – Green ⚠ CH1 must be open ⚠

0–255	Gradual adjustment Green, from dark to brightest

Channel 4 – Blue ⚠ CH1 must be open ⚠

0–255	Gradual adjustment Blue, from dark to brightest

Channel 5 – White ⚠ CH1 must be open ⚠

0–255	Gradual adjustment White, from dark to brightest

Channel 6 – Color presets ⚠ CH1 must be open ⚠

0-10	No function
11-20	L106
21-30	R05
31-40	L194
41-50	R54
51-60	L019
61-70	R08
71-80	R89
81-90	R86
91-100	L213
101-110	R377
111-120	R80
121-130	L202
131-140	L328
141-150	R3314
151-160	L101
161-170	L768
171-255	No function

Channel 7 – CCT ⚠ CH1 must be open ⚠

0-10	No function
11-30	2700 K
21-50	3000 K
51-70	3200 K
71-90	3500 K
91-110	4000 K
111-130	4200 K
131-150	4500 K
151-170	5600 K
171-190	6000 K
191-210	6500 K
211-230	7200 K
231-255	8000 K

Channel 8 – Zoom

0–255	Gradual adjustment zoom, from small to big

Channel 9 – Focus

0–255	Gradual adjustment focus, from near to far

Channel 10 – Strobe ⚠ CH1-CH5 must be open or CH6 or CH7 must be set between 11-255 ⚠

0-9	No function
10-99	Strobe flash rate, from low to high frequency (0-20 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

Channel 11 – Gobo Rotation ⚠ Gobo must be installed ⚠

0–9	Not functional
10–145	Gobo-indexing
146–150	Stop
151–200	Counterclockwise rotation (CCW), from slow to fast
201–205	Stop
206–255	Clockwise rotation (CW), from slow to fast

Channel 12 – Functions

0–9	Not functional
10–34	Fan speed: Live
35–59	Fan speed: Studio
60–84	Fan speed: Power
85–109	Fan speed mode OFF
110–134	Non-linear dimmer 1
135–159	Non-linear dimmer 2
160–184	Non-linear dimmer 3
185–209	Non-linear dimmer 4
210–234	Zoom, focus, gobo reset
235–255	Not functional

17 channels (MODE 16BIT)

Channel 1 – Dimmer Intensity

0–255	Gradual adjustment, from dark to brightest

Channel 2 – Dimmer Fine

0–255	Fine adjustment

Channel 3 – Red ⚠ CH1 must be open ⚠

0–255	Gradual adjustment Red, from dark to brightest

Channel 4 – Red Fine

0–255	Fine adjustment Red

Channel 5 – Green ⚠ CH1 must be open ⚠

0–255	Gradual adjustment Green, from dark to brightest

Channel 6 – Green Fine

0–255	Fine adjustment Green

Channel 7 – Blue ⚠ CH1 must be open ⚠

0–255	Gradual adjustment Blue, from dark to brightest

Channel 8 – Blue Fine

0–255	Fine adjustment Blue

Channel 9 – White ⚠ CH1 must be open ⚠

0–255	Gradual adjustment White, from dark to brightest

Channel 10 – White Fine

0–255	Fine adjustment White, from dark to brightest

Channel 11 – Color presets ⚠ CH1 must be open ⚠

0-11	No function
11-20	L106
21-30	R05
31-40	L194
41-50	R54
51-60	L019
61-70	R08
71-80	R89
81-90	R86
91-100	L213
101-110	R377
111-120	R80
121-130	L202
131-140	L328
141-150	R3314
151-160	L101
161-170	L768
171-255	No function

Channel 12 – CCT ⚠ CH1 must be open ⚠

0-10	No function
11-30	2700 K
21-50	3000 K

51-70	3200 K
71-90	3500 K
91-110	4000 K
111-130	4200 K
131-150	4500 K
151-170	5600 K
171-190	6000 K
191-210	6500 K
211-230	7200 K
231-255	8000 K

Channel 13 – Zoom

| 0–255 | Gradual adjustment zoom, from small to big |

Channel 14 – Focus

| 0–255 | Gradual adjustment focus, from near to far |

Channel 15 – Strobe ⚠ CH1-CH10 must be open or CH11 or CH12 must be set between 11-255 ⚠

0-9	No function
10-99	Strobe flash rate, from low to high frequency (0-20 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

Channel 16 – Gobo Rotation ⚠ Gobo must be installed ⚠

0–9	Not functional
10–145	Gobo-indexing
146–150	Stop
151–200	Counterclockwise rotation (CCW), from slow to fast
201–205	Stop
206–255	Clockwise rotation (CW), from slow to fast

Channel 17 – Functions

0–9	Not functional
10–34	Fan speed: Live
35–59	Fan speed: Studio
60–84	Fan speed: Power
85–109	Fan speed mode OFF
110–134	Non-linear dimmer 1
135–159	Non-linear dimmer 2
160–184	Non-linear dimmer 3
185–209	Non-linear dimmer 4
210–234	Zoom, focus, gobo reset
235–255	Not functional

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Cleaning

Please follow the recommendations when cleaning and inspecting lenses and reflectors:
Do not use glass or window type cleaners on lenses (glass or polymer) or reflectors.
Do not use abrasive materials such as steel wool.
Replace lenses if they contain visible damage (cracks or deep scratches) that may impair their effectiveness.

Cleaning the Glass Lenses

01) Loosen the 4 cover mounting screws **(05)**. Remove the lens tube.
02) Dampen a clean lint-free cloth with vinegar or household ammonia. You may also use water, but it will leave spots that can be removed by gently polishing the lens with a clean and dry cloth.
03) Starting from the center, gently wipe the lens.
04) Slide the lens tube back into the barrel. Tighten the 4 cover mounting screws.

Cleaning the Reflector

⚠️ **Unplug the fixture before attempting to clean the reflector. To quickly clean the reflector, remove the lens tube and clean the dust from the reflector with a blast of oil-free air.** ⚠️
You may also wipe the reflector with a clean lint-free cloth. If either method is not sufficient, follow the instructions below.

01) Loosen the 4 cover mounting screws **(05)**. Remove the lens tube.
02) Dampen a clean lint-free cloth with alcohol or distilled water (alcohol is recommended).
03) Gently wipe the reflector.
04) Slide the lens tube back into the barrel. Tighten the 4 cover mounting screws.

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Maintenance

The operator has to make sure that safety-related and machine-technical installations are to be inspected by an expert after every year in the course of an acceptance test.
The operator has to make sure that safety-related and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:
01) All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
02) There may not be any deformations on housings, fixations and installation spots.
03) Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
04) The electric power supply cables must not show any damages or material fatigue.

The Performer Profile IP Q4 requires almost no maintenance. However, you should keep the unit clean. Otherwise, the fixture's light output will be significantly reduced. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Wipe lens clean with glass cleaner and a soft cloth. Do not use alcohol or solvents.
The front lens will require weekly cleaning, as smoke-fluid tends to build up residues, reducing the light output very quickly.
Please clean internal components once a year with a light brush and vacuum cleaner.
Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Troubleshooting

This troubleshooting guide is meant to help solve simple problems.
If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

No Light

If the light effect does not operate properly, refer servicing to a technician.
Suspect three potential problem areas as: the power supply, the LEDs, the internal fuse.
01) Power supply. Check if the unit is plugged into an appropriate power supply.
02) The LEDs. Return the Performer to your Showtec dealer.
03) The internal fuse. Return the Performer to your Showtec dealer.
04) If all of the above appears to be O.K., plug the unit in again.
05) If you are unable to determine the cause of the problem, do not open the Performer, as this may damage the unit and the warranty will become void.
06) Return the device to your Showtec dealer.

No Response to DMX

Suspect the DMX cable or connectors, a controller malfunction, a light effect DMX card malfunction.
01) Check the DMX setting. Make sure that DMX addresses are correct.
02) Check the DMX cable: Unplug the unit; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
03) Determine whether the controller or light effect is at fault. Does the controller operate properly with other DMX products? If not, take the controller in for repair. If so, take the DMX cable and the light effect to a qualified technician.

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Problem	Probable cause(s)	Solution
One or more fixtures do not function at all.	No power to the fixture.	• Check if power is switched on and cables are plugged in.
	Internal fuse blown.	• Return the device to your Showtec dealer.
Fixtures reset correctly, but all respond erratically or not at all to the controller.	The controller is not connected.	• Connect controller.
	3-pin XLR Out of the controller does not match XLR In of the first fixture on the link (i.e. signal is reversed).	• Install a phase reversing cable between the controller and the first fixture on the link.
Fixtures reset correctly, but some respond erratically or not at all to the controller.	Poor data quality.	• Check data quality. If much lower than 100 percent, the problem may be a bad data link connection, poor quality or broken cables, missing termination plug, or a defective fixture disturbing the link.
	Bad data link connection.	• Inspect connections and cables. Correct poor connections. Repair or replace damaged cables.
	Data link not terminated with 120 Ohm termination plug.	• Insert termination plug in output jack of the last fixture on the link.
	Incorrect addressing of the fixtures.	• Check address setting.
	One of the fixtures is defective and disturbs data transmission on the link.	• Bypass one fixture at a time until normal operation is restored: unplug both connectors and connect them directly together. • Have the defective fixture serviced by a qualified technician.
	3-pin XLR Out on the fixtures does not match (pins 2 and 3 reversed).	• Install a phase-reversing cable between the fixtures or swap pin 2 and 3 in the fixture that behaves erratically.
No light or LEDs cut out intermittently.	Fixture is too hot.	• Allow the fixture to cool down. • Clean the fan. • Make sure air vents in control panel and the front lens are not blocked. • Turn up the air conditioning.
	LEDs damaged.	• Disconnect the fixture and return it to your dealer.
	The power supply settings do not match local AC voltage and frequency.	• Disconnect fixture. Check settings and correct if necessary.

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Product Specifications

Model:	Showtec Performer Profile IP Q4
Input voltage:	110–240 V AC, 50/60 Hz
Power consumption:	300W @FO
DMX linking:	30 pcs
Dimensions:	650 x 340 x 575 mm (LxWxH)
Weight:	13,74 kg
Operating and Programming:	
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)
DMX mode:	HSIC (8CH), Simple (9CH), Colour 8Bit (12CH), Colour 16Bit (17CH)
Signal input:	3-pin XLR IN
Signal output:	3-pin XLR OUT
Electro-mechanical effects:	
Light source:	1 x 250W LED Array RGBW
Drive current:	1,2A
Light output:	9975 lx @ 3 m (15°)
Dimmer:	0–100 %
Strobe:	0–25 Hz
Dimming curves:	Dimm4 technology, 4 presets
Dimming resolution:	16 bit
Beam angle:	15°–30°
Zoom:	Electrical
Focus:	Electrical
Gobo (included):	66 mm/49,5 mm (M size)
CCT:	2700-8000K
Refresh rate:	600 Hz–25 kHz
Housing:	Die-cast aluminum
DMX control:	via standard DMX controller
Onboard:	OLED display for easy setup
Control:	Static, Manual, Master/Slave, DMX-512/RDM
Connections:	Dedicated IP True1 pro power connector IN, IP 3-pin XLR signal connectors IN/OUT
Color:	Black, powder-coated
IP rating:	IP65
Cooling:	Fan
Max. ambient temperature t_a:	40 °C
Max. housing temperature t_B:	60 °C
Minimum distance:	
Minimum distance from flammable surfaces:	0,5 m
Minimum distance to lighted object:	0,8 m

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

CE

Show tec®

Dimensions

410 mm

575 mm

340 mm

650 mm

Show tec®