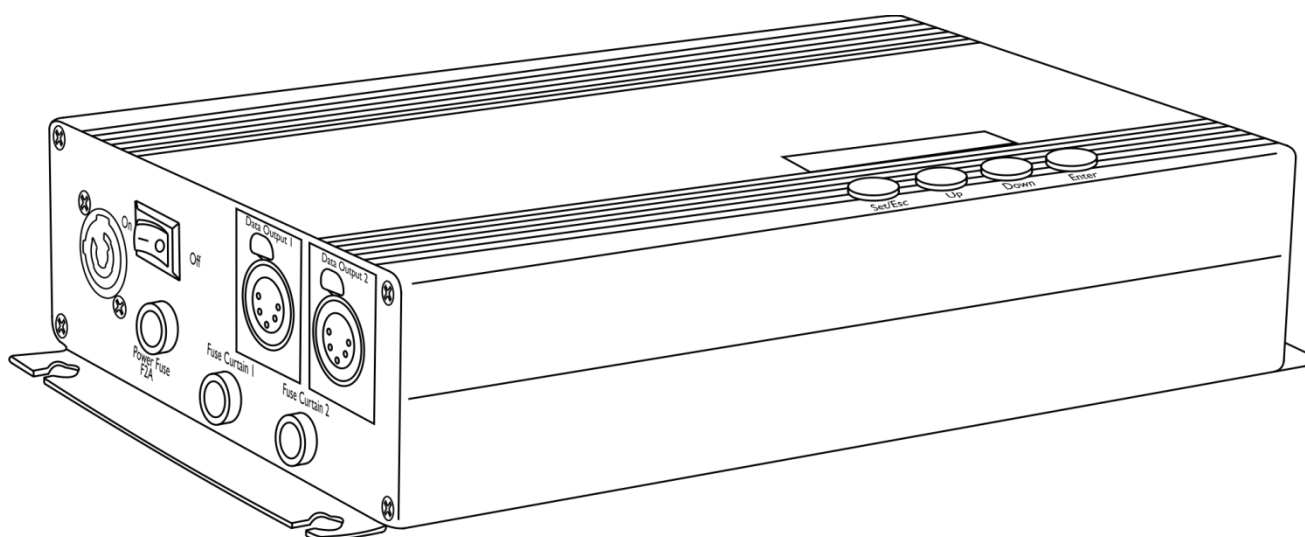




MANUAL



ENGLISH

Star Sky Pro II

V1

Ordercode: 40372

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Warning



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

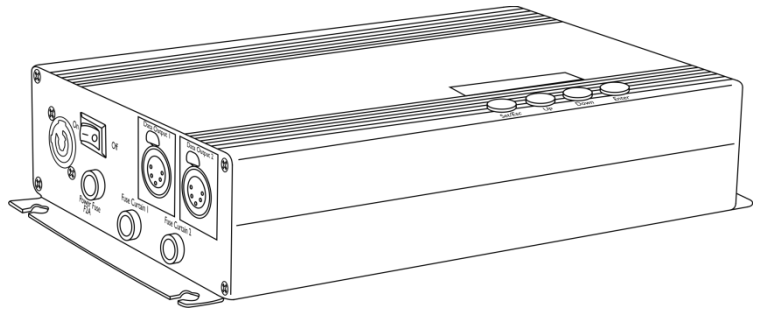


Unpacking Instructions

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 Star Sky Pro II controller
- Blue/White power cable (1,5 m)
- 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.



CAUTION!

**Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!**



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 remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never place any material over the LEDs.
- Never look directly into the light source.
- Never leave any cables lying around.
- Do not connect this device to a dimmerpack.
- 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 use the device indoors, avoid contact with water or other liquids.
- 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 LEDs are obviously damaged, they need to be replaced.
- 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 fixture 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 Star Sky. 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 1 meter.
- The maximum ambient temperature $t_a = 40^\circ\text{C}$ 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.

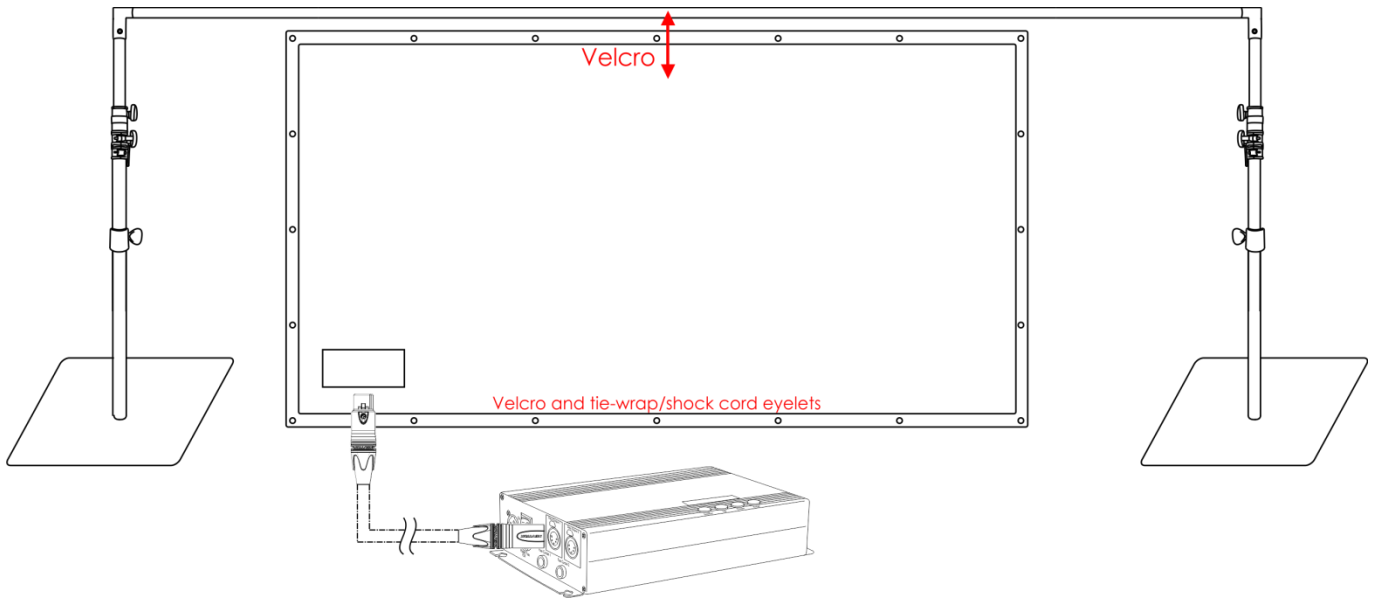
Do not attempt the installation yourself !

Always let the installation be carried out by an authorized dealer !

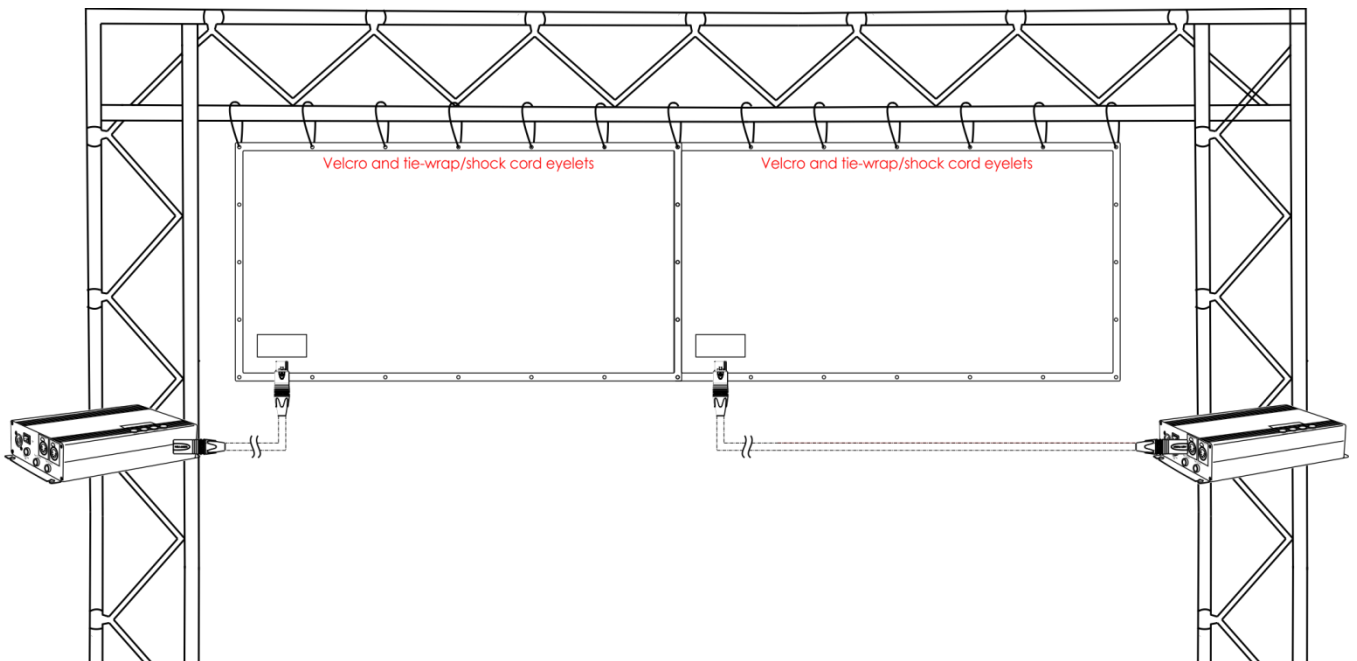
Procedure:

- If the Star Sky is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use the textile hook and loop fastener strips (Velcro) or tie-wraps/shock cords to install the Star Sky.
- The controller 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 Star Sky, always make sure, that the area below the installation site is secured and that there are not any unauthorized people around.

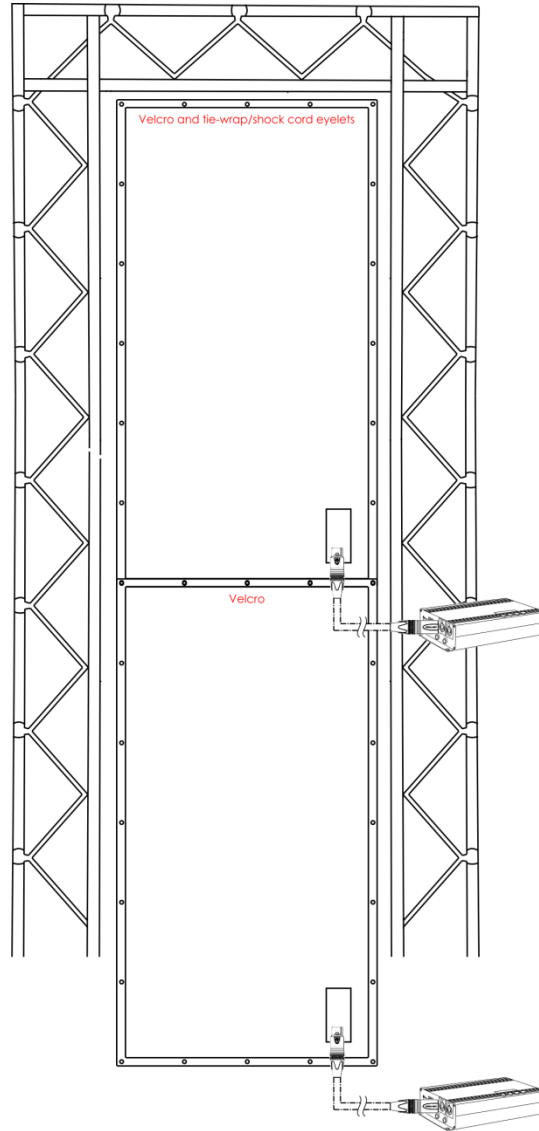
One Star Sky Pro – Wentex



Multiple Star Sky Pros – Horizontal Installation



Multiple Star Sky Pros – Vertical Installation



The Star Sky can be mounted to any kind of truss with hook and loop fasteners (Velcro) and/or tie-wraps/shock cords.

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!



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 offersales@highlite.nl 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 shortcomings 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 Star Sky Pro II is a star curtain controller.

- Input voltage: 175-240V AC 60/50Hz
- Power consumption: 70W
- Control: Built-in programs, Manual mode, Macro mode, Sound-controlled mode, Master/Slave, DMX
- Built-in programs: 10 patterns with speed, strobe and dimmer control
- DMX channels: 7, 28 channels
- DMX connector: 3-pin/5-pin XLR IN/OUT
- Curtain connector: 5-pin XLR OUT
- Power connector: Blue/White power connector IN
- Color: Black
- Main fuse: F2AL/250V
- Curtain fuse: 2 x F10AL/250V
- Dimensions: 315 x 178 x 65 mm (LxWxH)
- Weight: 1,9 kg

Optional accessories:

89300 – 2 x Baseplate

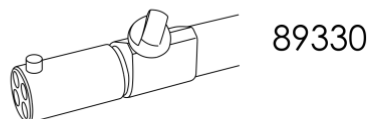
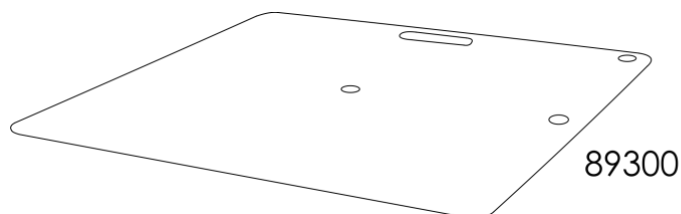
89310 – 2 x Baseplate pin

89330 – 2 x Telescopic upright – 2-way

89342 – 1 x Telescopic drape support

40373 – LED curtain, black, 4 x 6 m

40374 – LED curtain, white, 4 x 6 m



Overview

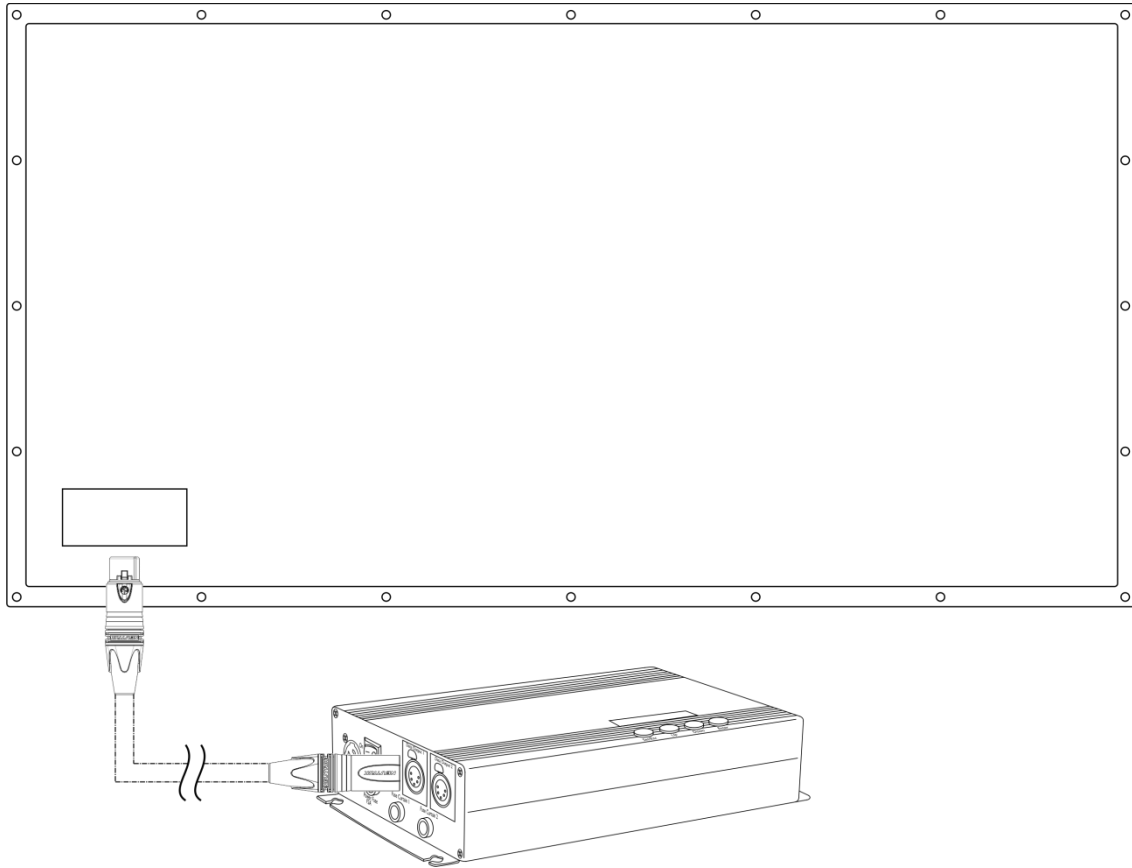


Fig. 01

Controller - Frontside

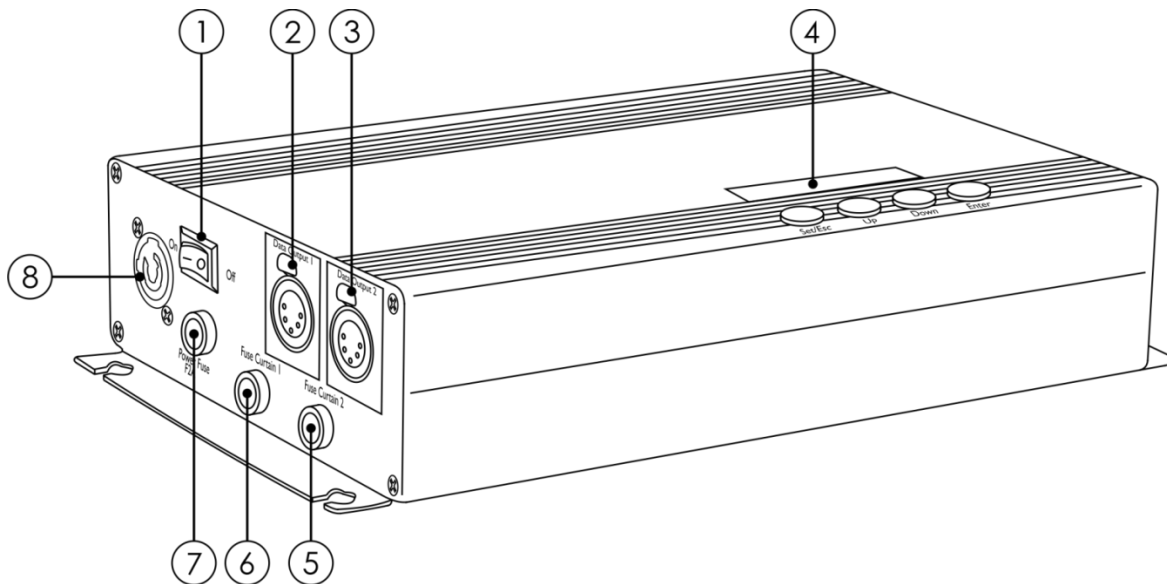


Fig. 02

- 01) Power switch ON/OFF
- 02) 5-pin XLR curtain # 1 connector OUT
- 03) 5-pin XLR curtain # 2 connector OUT
- 04) LCD display + menu buttons
- 05) Curtain # 2 fuse: F10AL/250V
- 06) Curtain # 1 fuse: F10AL/250V
- 07) Main fuse: F2AL/250V
- 08) Blue/White power connector 175-240V IN

Controller - Backside

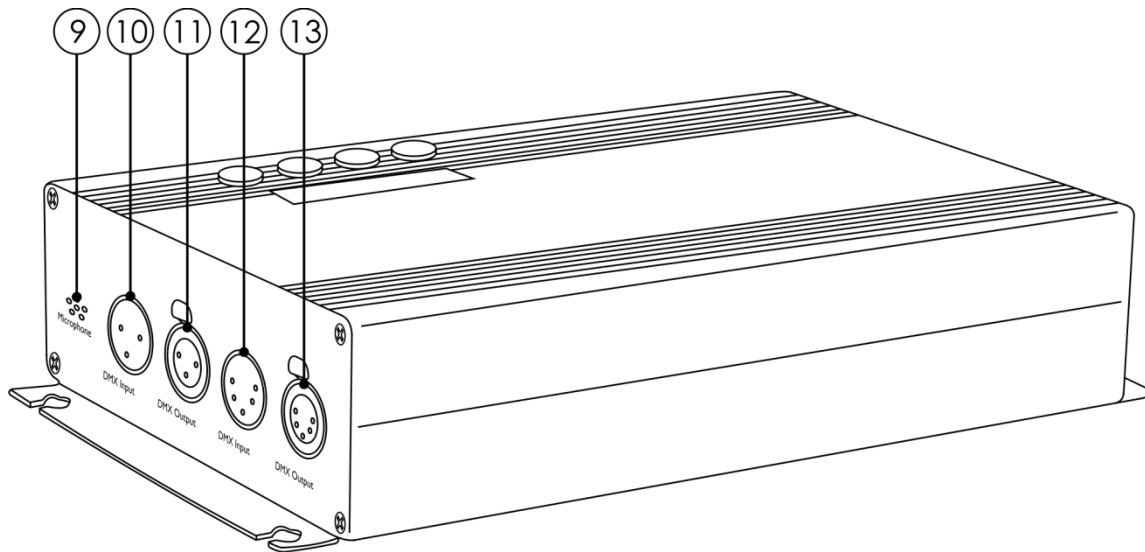


Fig. 03

- 09) Built-in microphone
- 10) 3-pin DMX signal connector IN
- 11) 3-pin DMX signal connector OUT
- 12) 5-pin DMX signal connector IN
- 13) 5-pin DMX signal connector OUT

Installation

Remove all packing materials from the Star Sky Pro II. 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.

Set Up 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 120V specification product on 230V power, or vice versa.

Connect the device to the main power supply.

Control Modes

There are 6 modes:

- Built-in programs
- Manual mode (RGB, Group mode)
- Macro mode
- Sound-controlled mode
- Master/Slave
- DMX-512 (7CH, 28CH)

One Star Sky (Built-in programs, Manual mode and Macro mode)

- 01) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
- 02) Plug the end of the electric mains power cord into a proper electric power supply socket.
- 03) When the Star Sky is not connected with a DMX cable, it functions as a stand-alone device.
Please read for more information about the Built-in programs (page 22), Manual mode (pages 20-21) and Macro mode (page 23).

One Star Sky (Sound-controlled)

- 01) Fasten the effect light to a firm trussing. Leave at least 0,5 meter on all sides for air circulation.
- 02) Plug the end of the electric mains power cord into a proper electric power supply socket.
- 03) Turn on the music. If the device is set to sound-control, then the Star Sky will react to the beat of the music. Please see pages 17 (Sound-controlled mode) and 19 (DMX failure) for more information.

Multiple Star Sky devices (Master/Slave control)

- 01) Fasten the effect light onto firm trussing. Leave at least 0,5 meter on all sides for air circulation.
- 02) Use a 3-pin XLR cable to connect the Star Sky.

The pins:



- 01) Earth
- 02) Signal -
- 03) Signal +

- 03) Link the units as shown in fig. 04. 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 17-23 (Built-in programs, Manual mode, Macro mode or Sound-controlled 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. However, the DMX address of the slave devices must be the same as the one of the master device.

Multiple Star Sky devices (Master/Slave control)

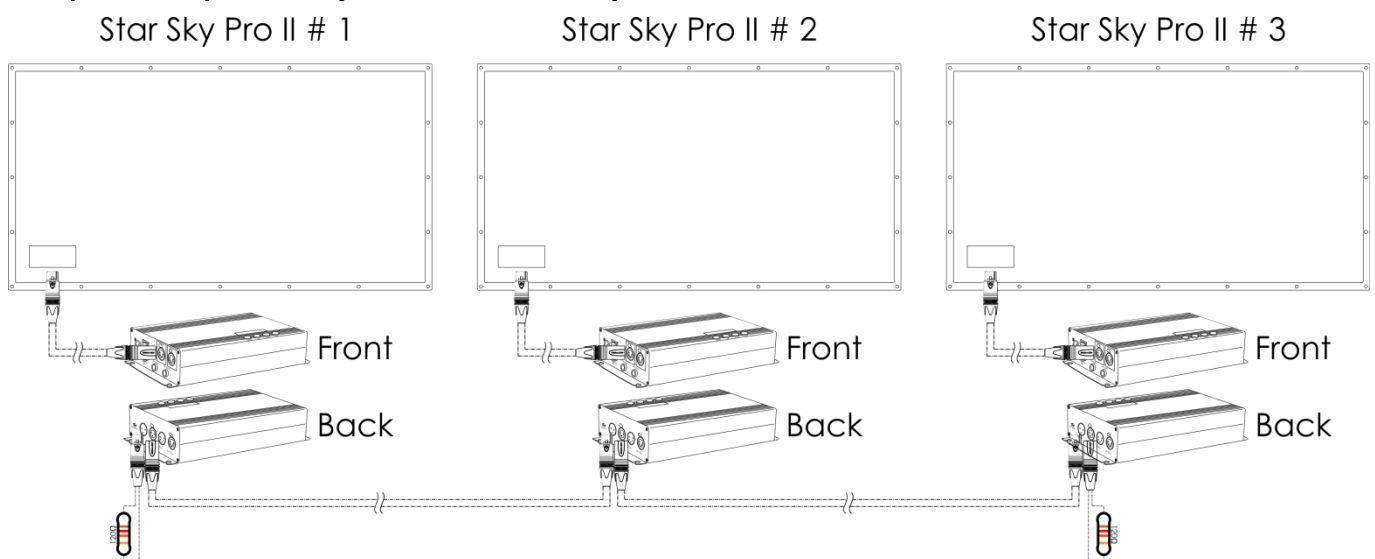
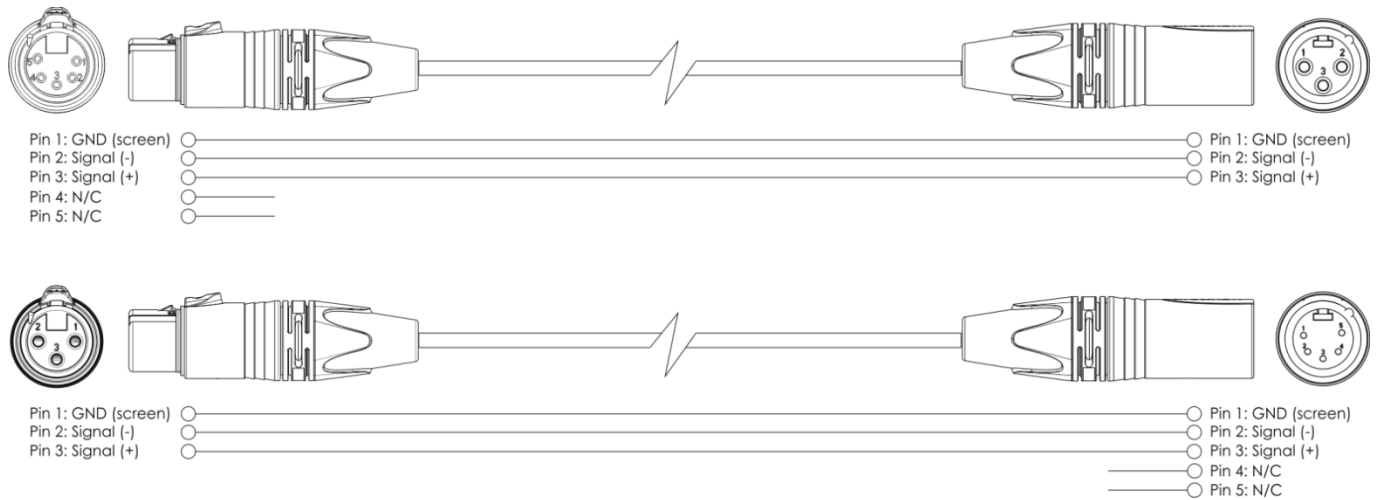


Fig. 04

Multiple Star Sky devices (DMX Control)

- 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) Use a 3-pin/5-pin XLR cable to connect the Star Sky fixtures and other devices.



- 04) Link the units as shown in fig. 05. 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.
- 05) Supply electric power: Plug electric mains power cords into each unit's Blue/White 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.

Multiple Star Sky devices DMX Set Up

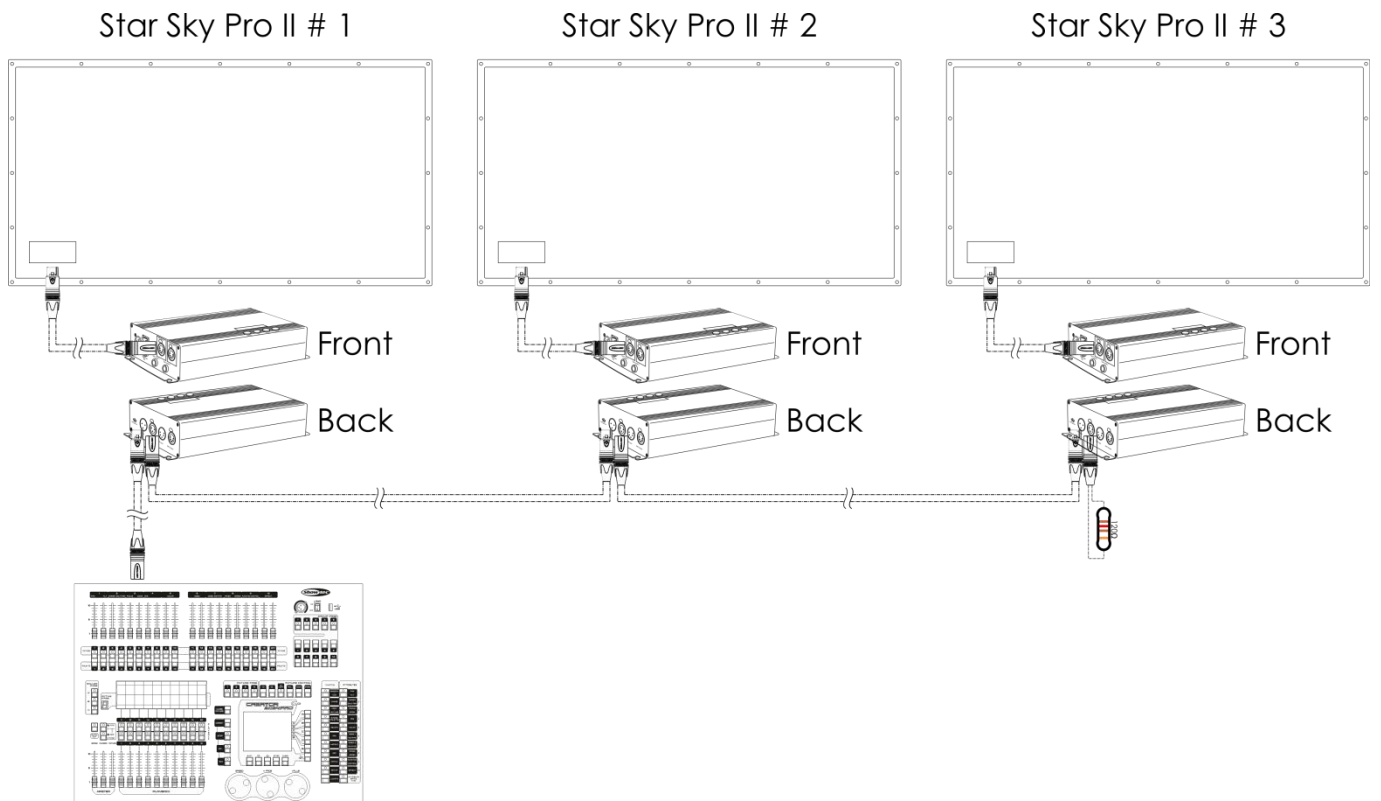


Fig. 05

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



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).

The Star Sky Pro II can be operated with a controller in **control mode** or without the controller in **stand-alone mode**.

Control Panel

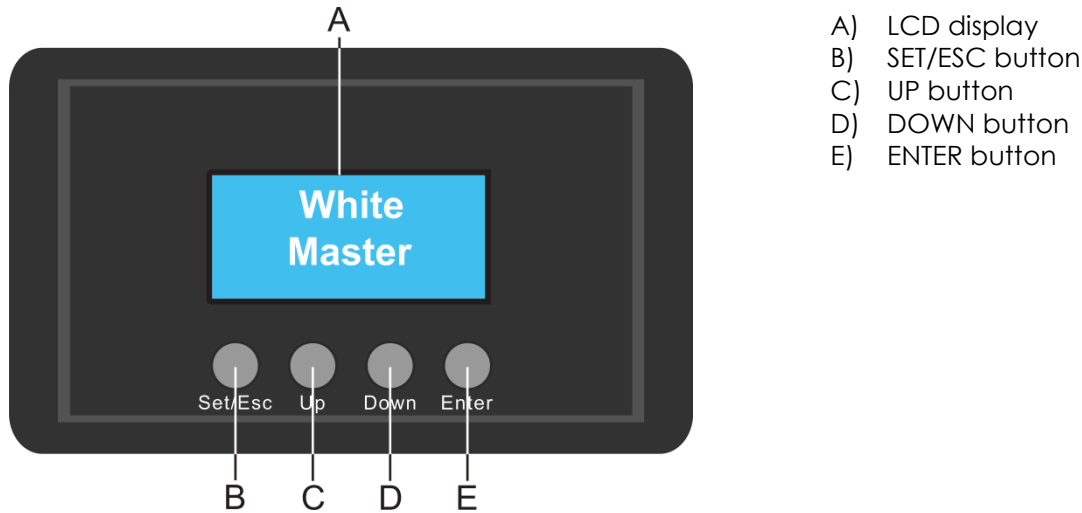


Fig. 06

Control Mode

The fixtures are individually addressed on a data-link and connected to the controller. The fixtures respond to the DMX signal from the controller. (When you select the DMX address and save it, the controller will display the saved DMX address, next time.)

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 Star Sky will respond to the controller.

Please note, when you use the controller, the unit has **28** channels.

When using multiple Star Sky devices, make sure you set the DMX addresses right.

Therefore, the DMX address of the first Star Sky should be **1(001)**; the DMX address of the second Star Sky should be **1+28=29 (029)**; the DMX address of the third Star Sky should be **29+28=57 (057)**, etc. Please, be sure that you do not have any overlapping channels in order to control each Star Sky correctly. If two or more Star Sky devices are addressed similarly, they will work similarly.

Controlling:

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

Note: After switching on, the Star Sky 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 Star Sky Pro II.
- The controller is switched off or defective, the cable or connector is defective, 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.

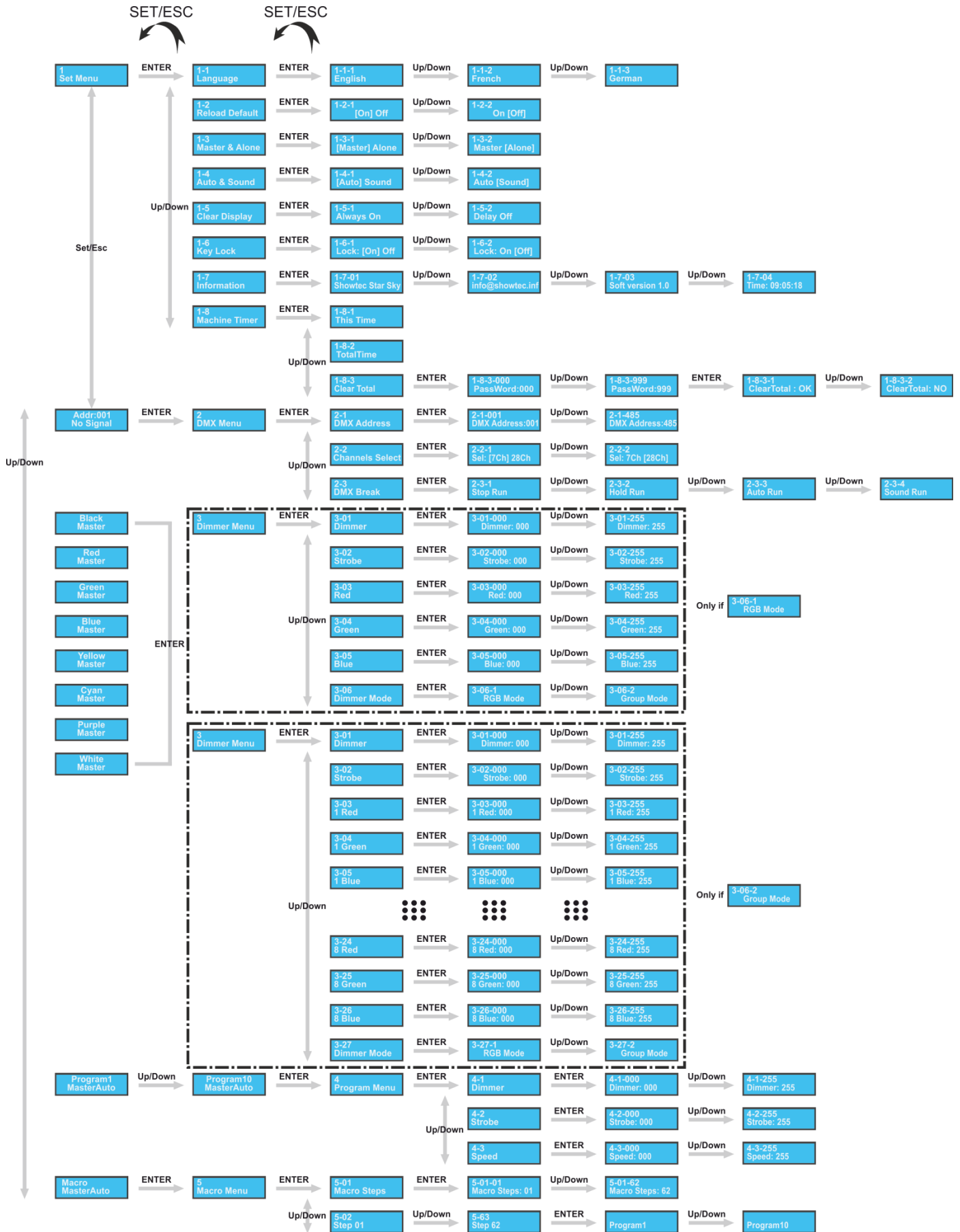
Display Off after 30 seconds

When no button is pressed for 30 seconds, the display will turn off.

To light up the display, you have to press the SET/ESC, UP, DOWN or ENTER button.

Once you have pressed the button, the display will light up.

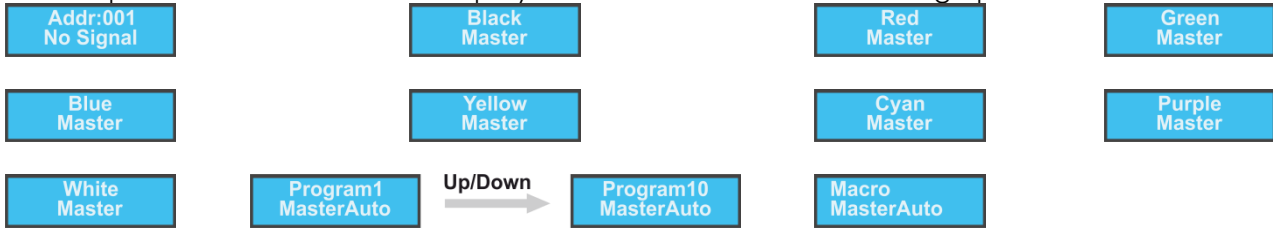
Menu Overview



Main Menu Options

1. Main Settings

01) Switch power to the device. The display will show one of the 20 following options:



02) Press the **SET/ESC** button to enter the settings menu. The display shows

1 Set Menu

03) Press the **ENTER** button to enter the device's settings.

04) Press the **UP/DOWN** buttons to toggle between the following submenus:

1.1. Language settings

01) When the display shows

1-1 Language

, press the **ENTER** button to open the language settings.

02) Press the **UP/DOWN** buttons to choose one of the 3 languages: English, French or German.

03) Press the **ENTER** button to confirm your choice.

1.2. Reset settings

01) When the display shows

1-2 Reload Default

, press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to choose between ON and OFF.

03) If you choose ON, and press the **ENTER** button, the device will perform reset.

04) If you choose OFF and press the **ENTER** button, the device will return to the previous menu.

1.3. Master/Stand-alone mode

01) When the display shows

1-3 Master & Alone

, press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to toggle between the 2 options:

1-3-1 [Master] Alone

The device will send DMX signal to the other connected devices.

1-3-2 Master [Alone]

The device will not send any DMX signals.

03) Press the **ENTER** button to confirm your choice.

1.4. Auto/Sound-controlled mode

01) When the display shows

1-4 Auto & Sound

, press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to toggle between the 2 options:

1-4-1 [Auto] Sound

Auto mode

1-4-2 Auto [Sound]

Sound-controlled mode

03) Press the **ENTER** button to confirm your choice.

1.5. Display settings

01) When the display shows , press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to choose between the 2 options:



The display remains continuously ON.



The display turns OFF after remaining idle for 30 seconds.

03) Press the **ENTER** button to confirm your choice.

1.6. Display lock

01) When the display shows , press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to choose between the 2 options:



After remaining idle for 30 seconds, the display will turn OFF and you will have to insert a special key combination to unlock it.



Display lock is inactive.

03) Press the **ENTER** button to confirm your choice.

04) To unlock the display, press the following buttons in this very order: **SET/ESC, DOWN, UP, ENTER**.

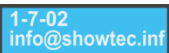
1.7. System information

01) When the display shows , press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to toggle between the following pieces of information:




The name of the device



The e-mail address in case of any questions.



Software version



Software production time

1.8. Timer

01) When the display shows , press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to toggle between the following options:



The time which passed since last power up.



The total time amount of time for which the device was used.



Timer reset

03) Once you have chosen the desired option, press the **ENTER** button to see more details.


04) If you have chosen , press the **ENTER** button to open the submenu.


05) Press the **UP/DOWN** buttons to select **088** and press the **ENTER** button to open the menu.

06) Press the **UP/DOWN** buttons to choose between **ClearTotal: OK** (timer reset) and **ClearTotal: NO** (the device will return to the previous menu.)

07) Press the **ENTER** button to confirm your choice.


2. DMX settings

01) If you are in the main settings menu (see page 17), press the **UP/DOWN** buttons until the display shows .

02) Press the **ENTER** button to open the menu. The display shows .

03) Press the **ENTER** button to open the submenu.

04) Press the **UP/DOWN** buttons to toggle between the 3 options:

 DMX starting address selection

 Channel mode selection

 DMX failure mode

2.1. DMX starting address

01) When the display shows , press the **ENTER** button to open the menu.


02) Press the **UP/DOWN** buttons to choose the desired DMX starting address. The adjustment range is between   .


03) Press the **ENTER** button to confirm your choice.

2.2. Channel mode selection

01) When the display shows , press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to toggle between the 2 options:

 7-channel mode


 28-channel mode


03) Press the **ENTER** button to confirm your choice.

2.3. DMX failure mode


01) When the display shows , press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to toggle between the 4 options:

 When a DMX signal is terminated, the device will black out.

 When a DMX signal is terminated, the device will keep operating in the previously active mode.

 When a DMX signal is terminated, the device will activate Auto run mode.

 When a DMX signal is terminated, the device will activate Sound-controlled mode and the device will react to the beat of the background music. Choose this option, every time you want to operate the device in Sound-controlled mode.

3. Dimmer menu

01) If you are in the main settings menu (see page 17), press the **UP/DOWN** buttons until the display shows one of the following color presets:



02) Press the **ENTER** button to open the menu. The display shows **3 Dimmer Menu**.

03) Press the **ENTER** button to open the submenu.

04) Press the **UP/DOWN** buttons to toggle between the 6 options:

3-01 Dimmer	Dimmer intensity
3-02 Strobe	Strobe frequency
3-03 Red	Red intensity
3-04 Green	Green intensity
3-05 Blue	Blue intensity
3-06 Dimmer Mode	Dimmer mode selection

3.1. Dimmer intensity

01) When the display shows **3-01 Dimmer**, press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to adjust the dimmer intensity. The adjustment range is between

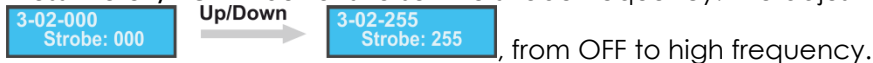


03) Press the **ENTER** button to confirm your choice.

3.2. Strobe frequency

01) When the display shows **3-02 Strobe**, press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to set the strobe frequency. The adjustment range is between



03) Press the **ENTER** button to confirm your choice.

3.3. Red, Green, Blue intensity

01) When the display shows **3-03 Red**, **3-04 Green** or **3-05 Blue**, press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to set the intensity of each of the chosen colors. The adjustment range is between 000-255, from dark to brightest.

03) Press the **ENTER** button to confirm your choice.

3.4. Dimmer mode

With this menu, you can set whether the device operates in RGB mode or in Group mode.

01) When the display shows **3-06 Dimmer Mode**, press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to toggle between the 2 options:

3-06-1 RGB Mode

The setting adjustments will affect the whole system.

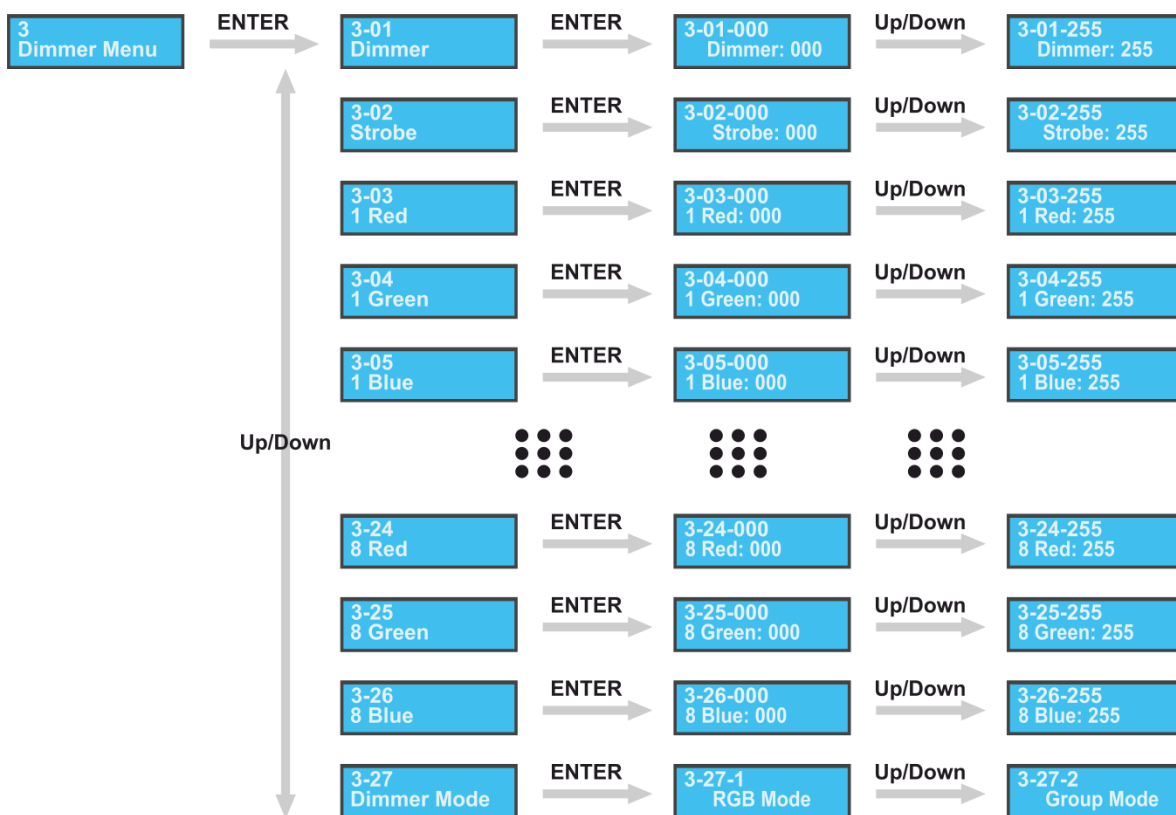
3-06-2 Group Mode

The setting adjustments will affect only the desired group of LEDs.

03) Press the **ENTER** button to confirm your choice.

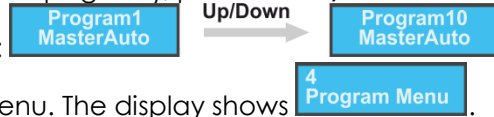
04) If you have chosen **3-06-1 RGB Mode**, all the adjustments made in the previous menus (3.1. - 3.3.) will affect the whole setup.

05) If you have chosen **3-06-2 Group Mode**, all the adjustments made in the previous menus (3.1. - 3.3.) will affect only the chosen LED group (8 LED groups in total).



4. Program menu

01) If you are in the main settings menu (see page 17), press the **UP/DOWN** buttons until the display shows one of the 10 built-in programs:



02) Press the **ENTER** button to open the menu. The display shows

03) Press the **ENTER** button to open the submenu.

04) Press the **UP/DOWN** buttons to toggle between the 3 options:

4-1 Dimmer Dimmer intensity

4-2 Strobe Strobe frequency

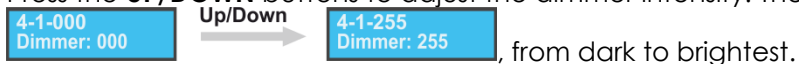
4-3 Speed Program speed

05) Press the **ENTER** button to confirm your choice.

4.1. Dimmer intensity

01) When the display shows **4-1 Dimmer**, press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to adjust the dimmer intensity. The adjustment range is between



03) Press the **ENTER** button to confirm your choice.

4.2. Strobe frequency

01) When the display shows **4-2 Strobe**, press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to set the strobe frequency. The adjustment range is between

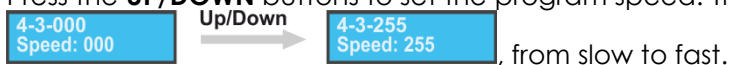


03) Press the **ENTER** button to confirm your choice.

4.3. Program speed


01) When the display shows **4-3 Speed**, press the **ENTER** button to open the menu.


02) Press the **UP/DOWN** buttons to set the program speed. The adjustment range is between



03) Press the **ENTER** button to confirm your choice.

5. Macro menu

01) If you are in the main settings menu (see page 17), press the **UP/DOWN** buttons until the display shows: .

02) Press the **ENTER** button to open the menu. The display shows .

03) Press the **ENTER** button to open the submenu.

04) Press the **UP/DOWN** buttons to toggle between the 2 options:

 Set the number of steps in your macro.

 **Up/Down**  Assign built-in programs to particular steps.

5.1. Macro steps

01) When the display shows , press the **ENTER** button to open the menu.

02) Press the **UP/DOWN** buttons to set the total number of steps in your macro. The adjustment range is between  **Up/Down** .

03) Press the **ENTER** button to confirm your choice.

5.2. Edit steps

01) When the display shows  **Up/Down** , press the **ENTER** button to open the desired step.

02) Press the **UP/DOWN** buttons to assign one of the 10 built-in programs to the desired step.

03) Press the **ENTER** button to confirm your choice.

DMX Channels

7 channels

Channel 1 – Dimmer intensity

1-255 Gradual adjustment dimmer, from dark to brightest 0-100%

Channel 2 – Strobe Dimmer must be open

0-9 Not functional

10-255 Strobe frequency, from low to high

Channel 3 – Control modes Dimmer must be open

0-49 RGB mode

50-59 Black

60-69 Red

70-79 Green

80-89 Blue

90-99 Yellow

100-109 Cyan

110-119 Purple

120-129 White

130-139 Program 1

140-149 Program 2

150-159 Program 3

160-169 Program 4

170-179 Program 5

180-189 Program 6

190-199 Program 7

200-209 Program 8

210-219 Program 9

220-229 Program 10

230-239 Macro mode

240-249 Sound-controlled mode

250-255 Not functional

Channel 4 – Program speed CH3 must be set between 130-239

0-255 Program speed, from slow to fast

Channel 5 – Red Dimmer must be open, CH3 must be set between 0-49

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

Channel 6 – Green Dimmer must be open, CH3 must be set between 0-49

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

Channel 7 – Blue Dimmer must be open, CH3 must be set between 0-49

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

28 channels

Channel 1 – Dimmer intensity

1-255 Gradual adjustment dimmer, from dark to brightest 0-100%

Channel 2 – Strobe Dimmer must be open

0-9 Not functional

10-255 Strobe frequency, from low to high

Channel 3 – Control modes Dimmer must be open

0-49 RGB mode

50-59 Black

60-69 Red

70-79 Green

80-89 Blue

90-99 Yellow

100-109 Cyan

110-119 Purple

120-129 White

130-139 Program 1

140-149 Program 2

150-159 Program 3

160-169 Program 4

170-179 Program 5

180-189 Program 6

190-199 Program 7

200-209 Program 8

210-219 Program 9

220-229 Program 10

230-239 Macro mode

240-249 Sound-controlled mode

250-255 Not functional

Channel 4 – Program speed CH3 must be set between 130-239

0-255 Program speed, from slow to fast

Channel 5 – LED group 1, Red Dimmer must be open, CH3 must be set between 0-49

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

Channel 6 – LED group 1, Green Dimmer must be open, CH3 must be set between 0-49

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

Channel 7 – LED group 1, Blue Dimmer must be open, CH3 must be set between 0-49

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

Channel 8 – LED group 2, Red Dimmer must be open, CH3 must be set between 0-49

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

Channel 9 – LED group 2, Green Dimmer must be open, CH3 must be set between 0-49

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

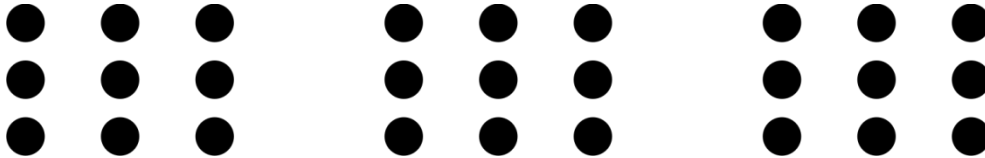
Channel 10 – LED group 2, Blue Dimmer must be open, CH3 must be set between 0-49

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

Channel 11 – LED group 3, Red ⚠ **Dimmer must be open, CH3 must be set between 0-49** ⚠
0-255 Gradual adjustment Red, from 0-100%

Channel 12 – LED group 3, Green ⚠ **Dimmer must be open, CH3 must be set between 0-49** ⚠
0-255 Gradual adjustment Green, from 0-100%

Channel 13 – LED group 3, Blue ⚠ **Dimmer must be open, CH3 must be set between 0-49** ⚠
0-255 Gradual adjustment Blue, from 0-100%



Channel 26 – LED group 8, Red ⚠ **Dimmer must be open, CH3 must be set between 0-49** ⚠
0-255 Gradual adjustment Red, from 0-100%

Channel 27 – LED group 8, Green ⚠ **Dimmer must be open, CH3 must be set between 0-49** ⚠
0-255 Gradual adjustment Green, from 0-100%

Channel 28 – LED group 8, Blue ⚠ **Dimmer must be open, CH3 must be set between 0-49** ⚠
0-255 Gradual adjustment Blue, from 0-100%

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 Star Sky Pro II requires almost no maintenance. However, you should keep the controller clean. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Do not use alcohol or solvents.

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.

Replacing the Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below to do so.

- 01) Unplug the unit from electric power source.
- 02) Insert a screwdriver into the slot in the fuse cover. Turn the fuse holder counterclockwise. The fuse will come out.
- 03) Remove the used fuse. If brown or unclear, it is burned out.
- 04) Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse holder. Be sure to use a fuse of the same type and specification. See the product specification label for details.

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 fuse.

- 01) Power supply. Check if the controller is plugged into an appropriate power supply.
- 02) The LEDs. Return the Star Sky to your Showtec dealer.
- 03) The fuse. Replace the fuse. See page 27 for replacing the fuse.
- 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 Star Sky, as this may damage the unit and the warranty will become void.
- 06) Return the device to your Showtec dealer.

No Response to DMX

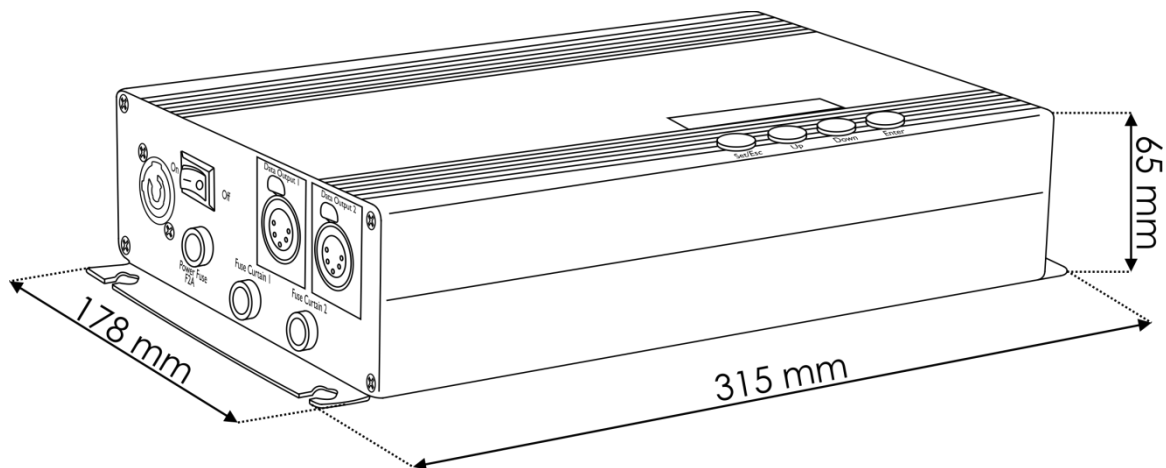
Suspect the DMX cable or connectors, a controller malfunction, a light effect DMX card malfunction.

- 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.

Problem	Probable cause(s)	Solution
One or more fixtures do not function at all	No power to the fixture	<ul style="list-style-type: none"> Check if power is switched on and cables are plugged in
Fixtures reset correctly, but all respond erratically or not at all to the controller	Primary fuse blown	<ul style="list-style-type: none"> Replace fuse
	The controller is not connected. 3-pin/5-pin XLR Out of the controller does not match XLR Out of the first fixture on the link (i.e. signal is reversed)	<ul style="list-style-type: none"> Connect controller. 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Inspect connections and cables. Correct poor connections. Repair or replace damaged cables
	Data link not terminated with 120 Ohm termination plug	<ul style="list-style-type: none"> Insert termination plug in output jack of the last fixture on the link
	Incorrect addressing of the fixtures	<ul style="list-style-type: none"> Check address setting
	One of the fixtures is defective and disturbs data transmission on the link	<ul style="list-style-type: none"> 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/5-pin XLR Out on the fixtures does not match (pins 2 and 3 reversed)	<ul style="list-style-type: none"> Install a phase-reversing cable between the fixtures or swap pin 2 and 3 in the fixture that behaves erratically
No light or lamp cuts out intermittently	Fixture is too hot	<ul style="list-style-type: none"> Allow the fixture to cool down Turn up the air conditioning
	LEDs damaged	<ul style="list-style-type: none"> Disconnect the fixture and return it to your dealer
	The power supply settings do not match local AC voltage and frequency	<ul style="list-style-type: none"> Disconnect fixture. Check settings and correct if necessary

Product Specifications

Model:	Showtec Star Sky Pro II
Input Voltage:	175-240 VAC, 60/50Hz
Power consumption:	70W
DMX linking:	30pcs
Main fuse:	F2AL/250V
Curtain fuses:	F10AL/250V
Dimensions:	315 x 178 x 65 mm (LxWxH)
Weight:	1,9 kg
Operating and Programming:	
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)
DMX Mode:	7, 28 channels
Signal input:	3-pin/5-pin DMX IN
Signal output:	3-pin/5-pin DMX OUT
Electro-mechanical effects:	
Dimmer:	0-100%
Strobe:	0-20Hz
Housing:	Metal & Flame retardant plastic
DMX control:	via standard DMX-controller
Onboard:	LCD display for easy setup
Control:	Built-in programs, Manual mode, Macro mode, Sound-controlled mode, Master/Slave, DMX-512
Connections:	Dedicated Schuko to Blue/White & Data connector
Max. ambient temperature t_a :	40°C
Max. housing temperature t_b :	80°C
Minimum distance:	
Minimum distance from flammable surfaces:	0,5 m
Minimum distance to lighted object:	1 m



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



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