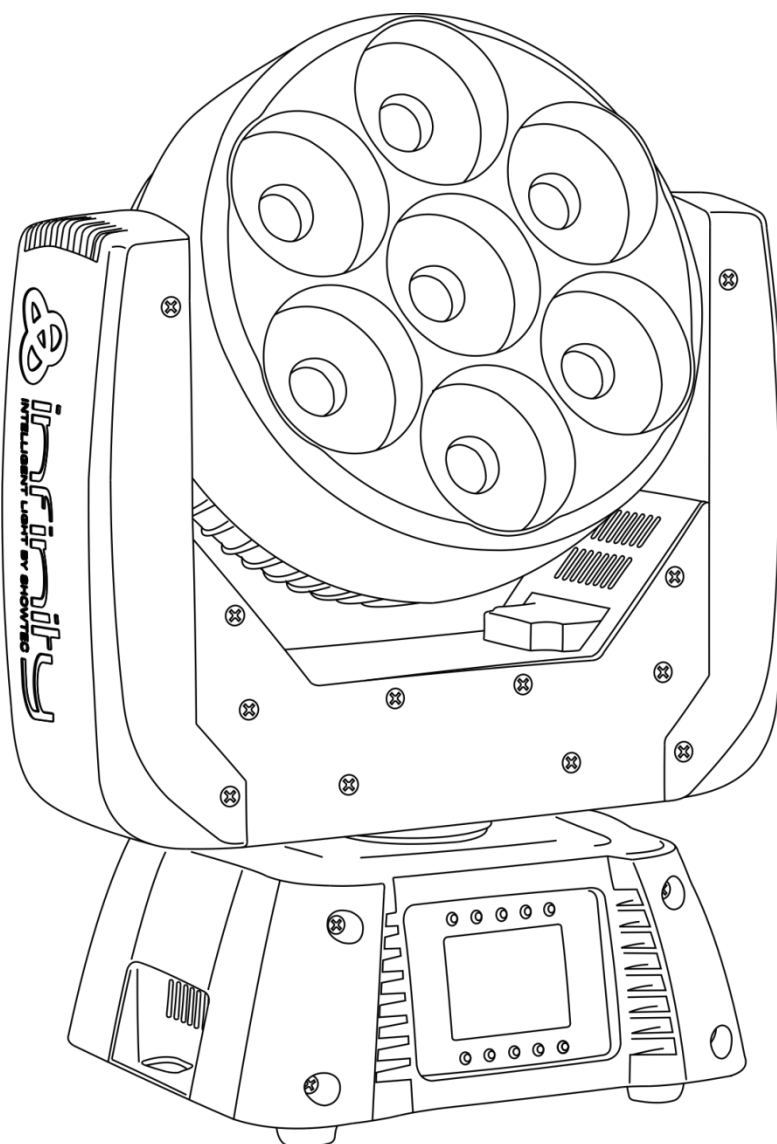




ENGLISH

Infinity iB-715

V1

Ordercode: 41540

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Warning



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

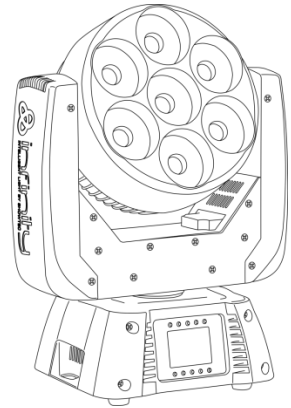
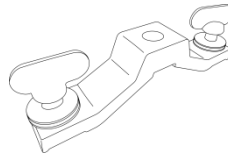


Unpacking Instructions

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:

- Infinity iB-715
- Mounting bracket with quick-locks
- Power cable Neutrik PowerCON to Schuko 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 life expectancy 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 written 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 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 lens.
- Never look directly into the light source.
- Never leave any cables lying around.
- Never loosen the screws of the rotating gobo otherwise you risk opening of the ball bearing.
- Do not insert objects into air vents.
- 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 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 lens is obviously damaged, it has 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 Infinity 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 moving head 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 Infinity. 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 more 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

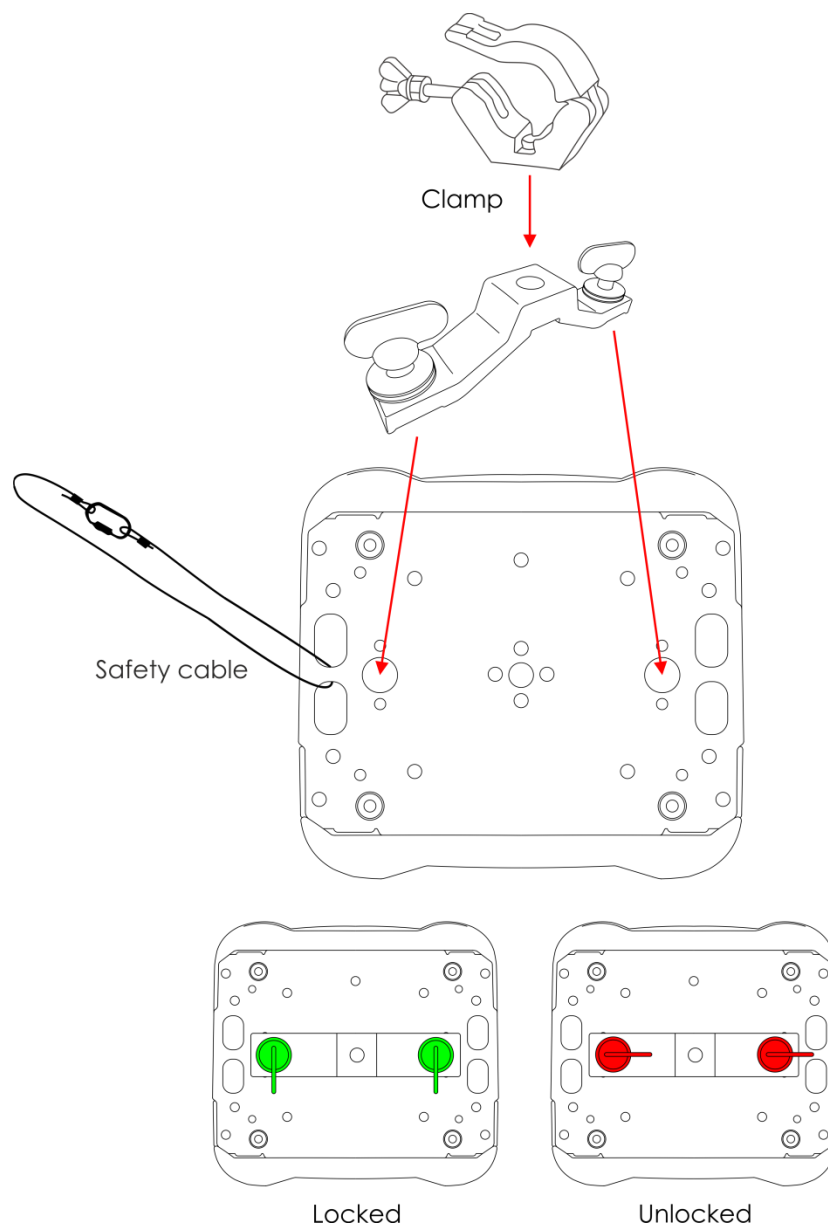
Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself!

Always have the inspections carried out by an authorized dealer!

Procedure:

- If the projector is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the projector, with the mounting bracket, to the trussing system.
- The projector 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 projector, always make sure, that the area below the installation site is secured and that there are not any unauthorized people around.



The Infinity can be placed on a flat stage floor or mounted to any kind of truss with a mounting bracket and a clamp.

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

Connection with the mains

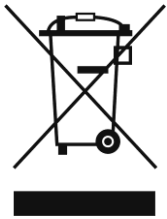
Connect the device to the mains with the power-plug.

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!



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.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 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 notify 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 otherwise agreed in writing.

Complaints against us must be made known in writing or 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 of which the obligation is resulting.

Description of the device

Features

The Infinity iB-715 is a moving head effect with high output and great effects.

- Input voltage: 100-240V, 60/50Hz
- Power consumption: 165W
- DMX channels: 23, 51 channels
- LCD display with gravity sensor
- Light source: 7 x 15W RGBW 4-in-1 Osram Ostar
- Light output: 3200 lumen
- Color temperature: 19000K
- Control modes: Stand-alone, Master/Slave, DMX-512
- Control protocol: DMX-512
- Dimmer: 0-100%
- Strobe: 0-20Hz
- Dimming curves: Linear, Square, I-Square, S-curve
- Beam Angle: 4,5°
- Pan: 540°
- Tilt: 270°
- IP rating: IP20
- Housing: Metal & Flame retardant plastic
- Connections: Neutrik powerCON & 3-pin XLR IN/OUT
- Fuse: F3AL/250V
- Dimensions: 305 x 200 x 405 mm (LxWxH)
- Weight: 9 kg

Frontside

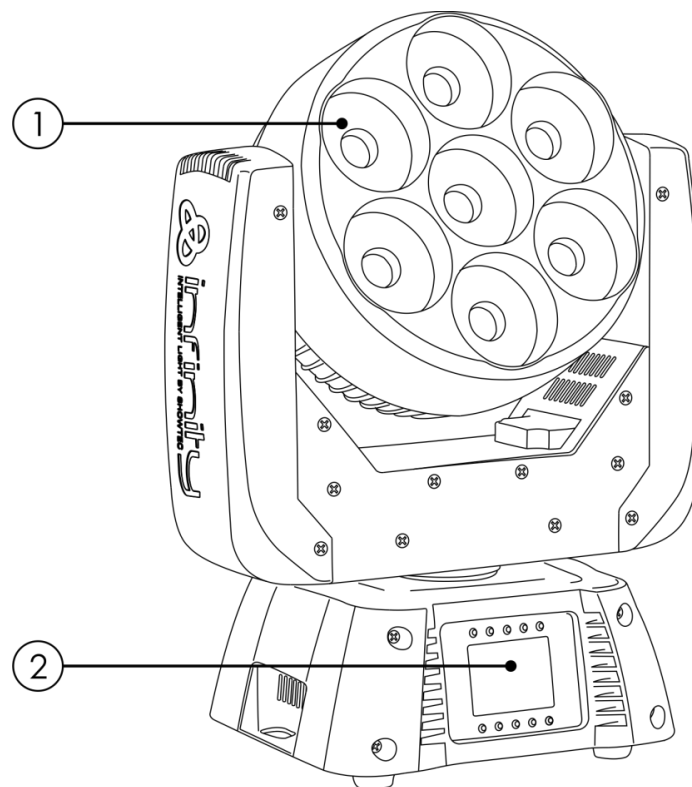


Fig. 01

- 01) 7 x 15W RGBW 4-in-1 Osram Ostar
 02) LCD display + menu buttons

Backside

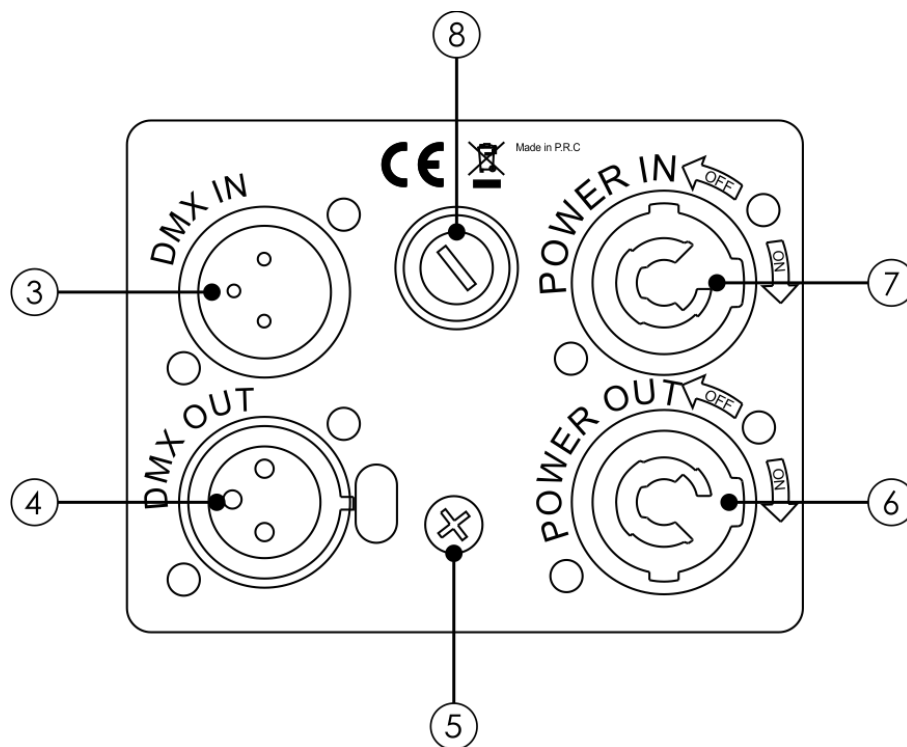


Fig. 02

- 03) 3-pin DMX signal connector IN
- 04) 3-pin DMX signal connector OUT
- 05) Ground/earth connection
- 06) PowerCON power connector 100-240V OUT
- 07) PowerCON power connector 100-240V IN
- 08) Fuse F3AL/250V

Installation

Remove all packing materials from the Infinity iB-715. 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 3 modes:

- Stand-alone
- Master/Slave
- DMX-512 (23CH, 51CH)

One Infinity (Stand-alone)

- 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 Infinity is not connected with a DMX cable, it functions as a stand-alone device.
Please see pages 14-19 for more information about the Stand-alone Mode.

Multiple Infinities (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 Infinity.

The pins:



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

- 03) Link the units as shown in fig. 03. 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 14-19. 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.

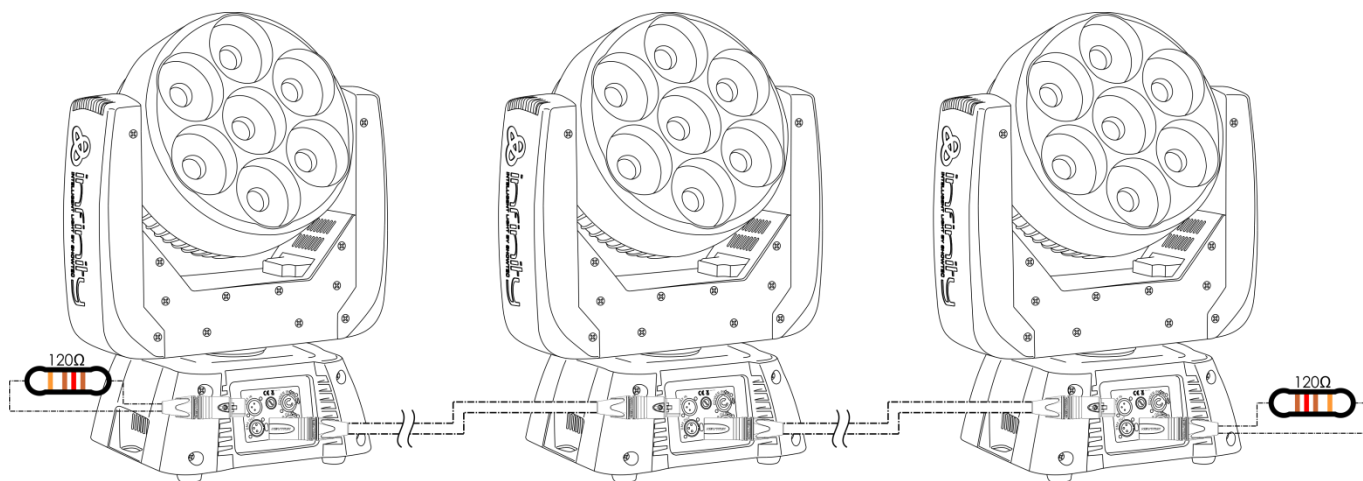
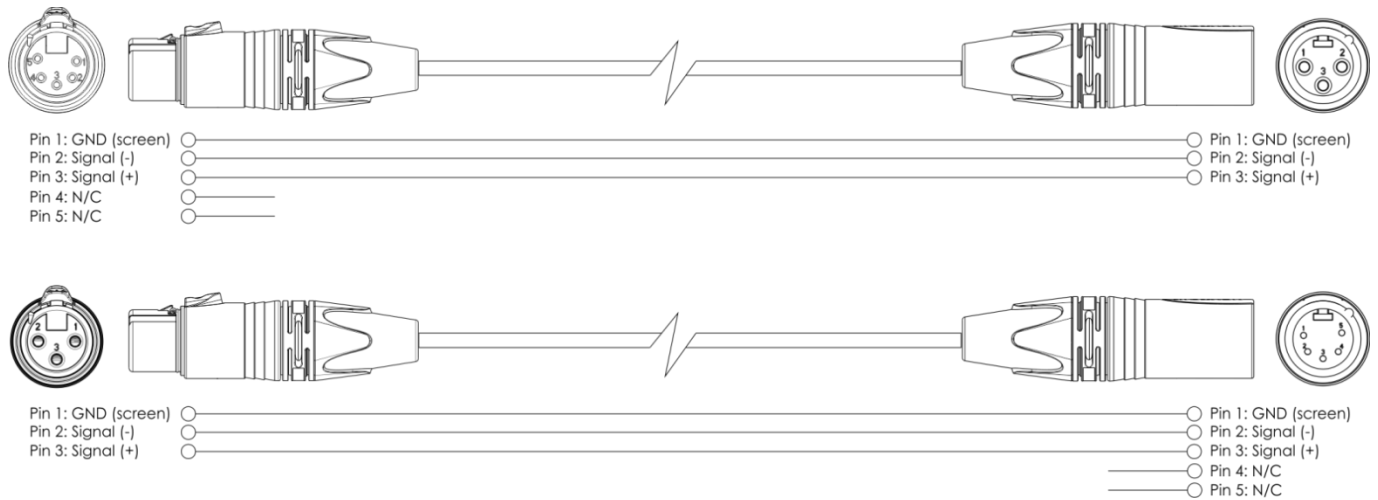


Fig. 03

Multiple Infinitys (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 XLR cable to connect the Infinity and other devices.



- 04) 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.
- 05) Supply electric power: Plug electric mains power cords into each unit's PowerCON 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 Infinitys DMX Set Up

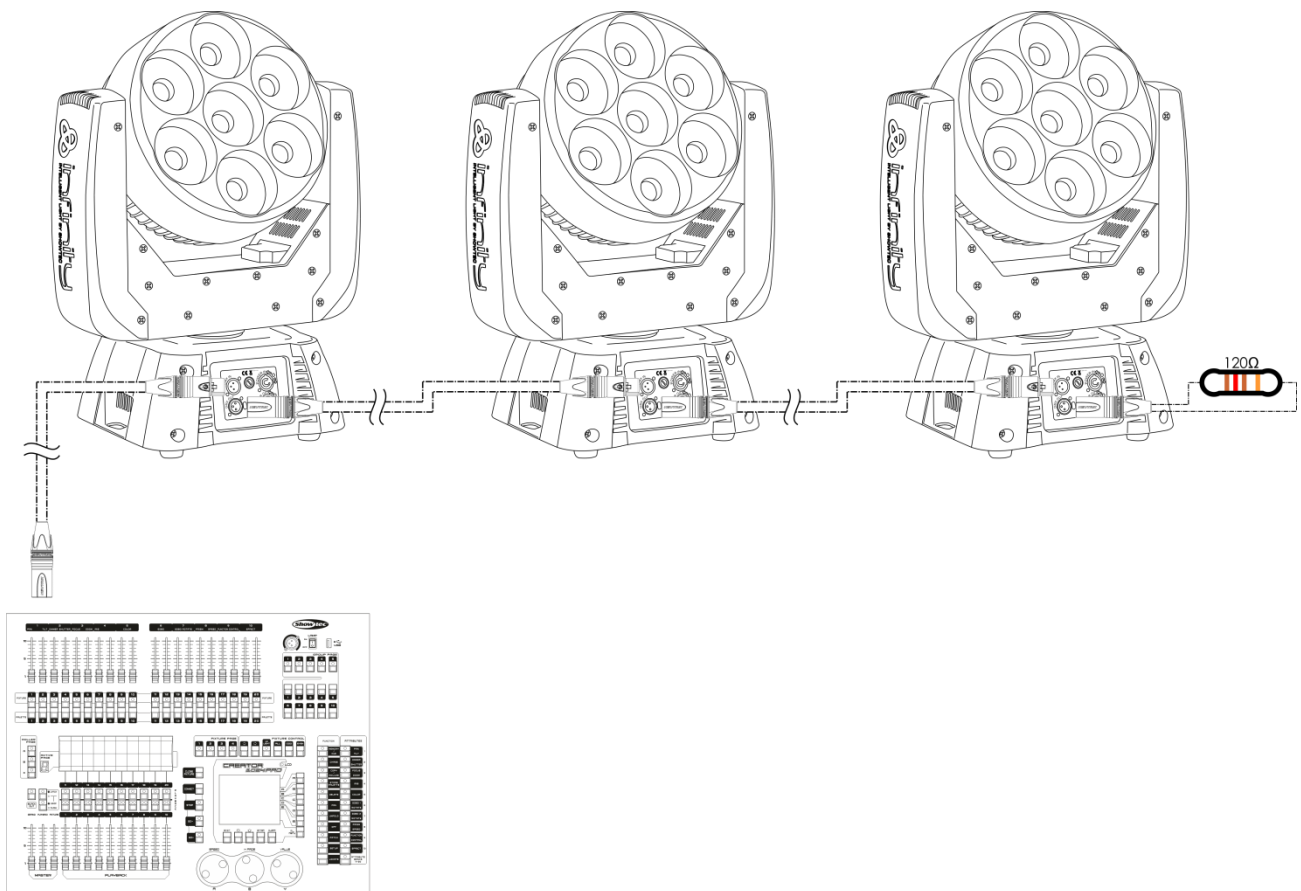


Fig. 04

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: 13 fixtures @ 110V
 Maximum recommended number of fixtures on a power link: 22 fixtures @ 240V

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).

Control Panel

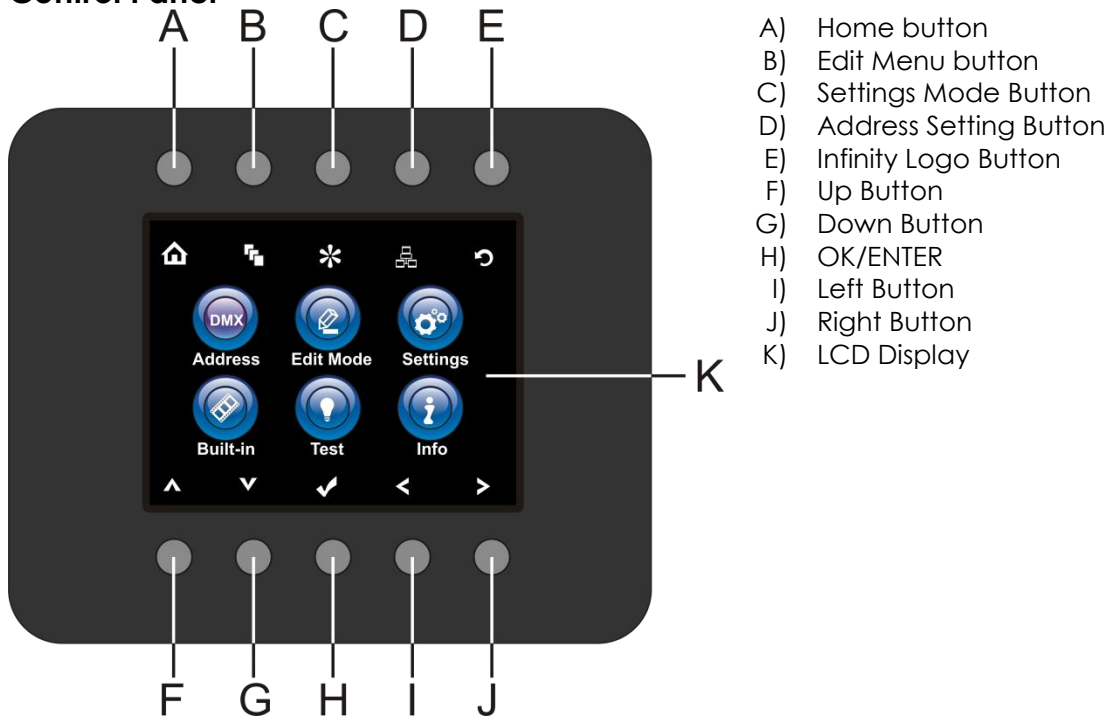


Fig. 05

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 the next time.)

DMX Addressing

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

Please note when you use the controller, the unit has **51** channels.

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

Therefore, the DMX address of the first Infinity should be **1(001)**; the DMX address of the second Infinity should be **1+51=52 (052)**; the DMX address of the third Infinity should be **52+51=103 (103)**, etc.

Please, be sure that you don't have any overlapping channels in order to control each Infinity correctly. If two or more Infinities are addressed similarly, they will work similarly.

Controlling:

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

Note: After switching on, the Infinity 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.

The problem may be:

- The XLR cable from the controller is not connected with the input of the Infinity.
- 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's necessary to insert a XLR termination plug (with 120 Ohm) in the last fixture in order to ensure proper transmission on the DMX data link.



Display Off after 35 seconds

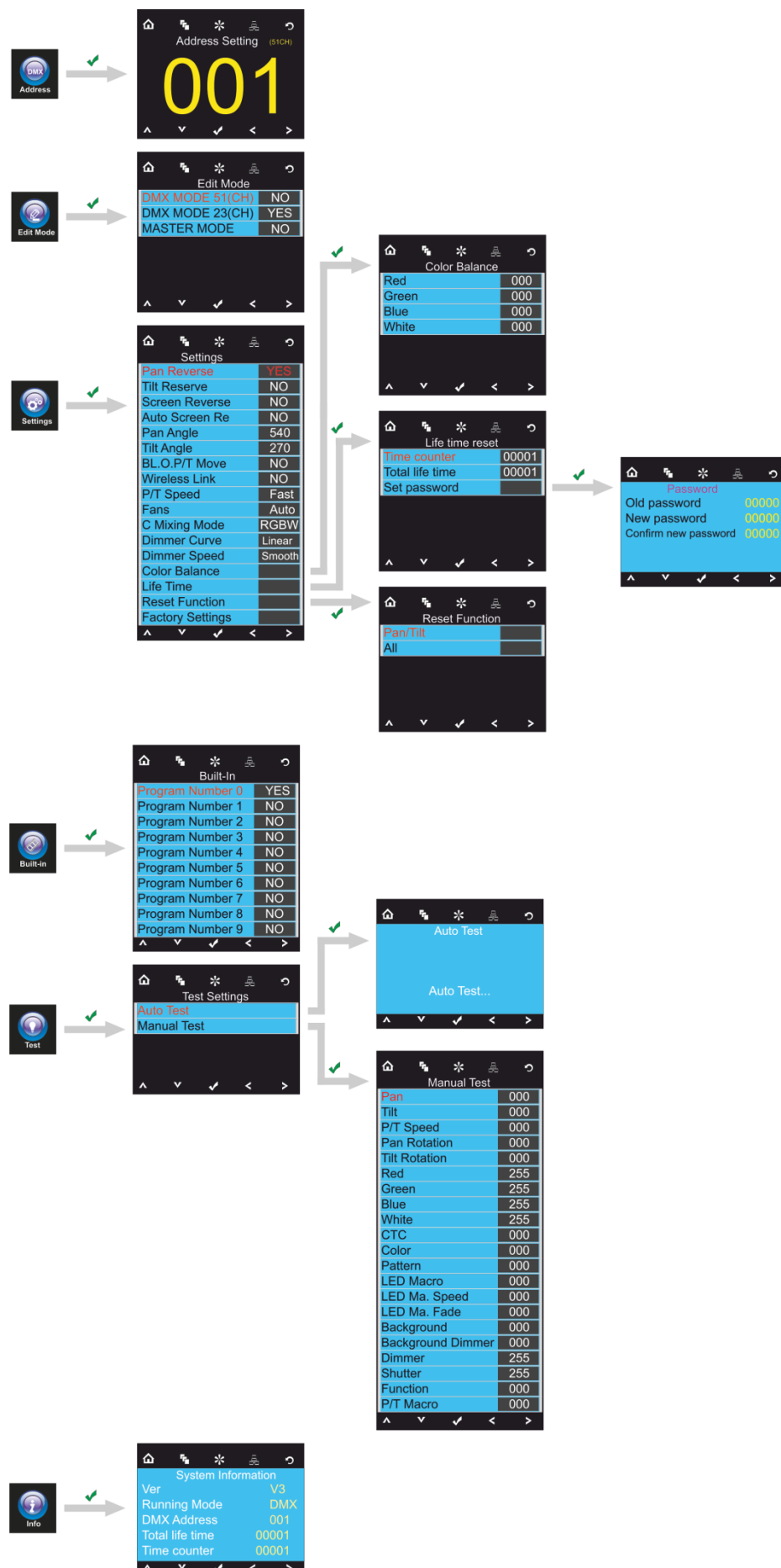


When no button is pressed for 35 seconds, the display will turn off.

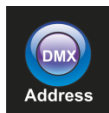
To light up the display, you have to press one of the menu buttons described above.

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

Menu Overview



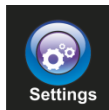
Main Menu Options



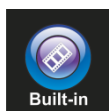
DMX address



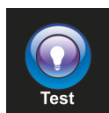
Edit Mode



Settings Menu



Built-in Programs



Test Mode



Info



Home



Edit Menu



Setting Mode



Address Setting



Infinity Logo



Up



Down



OK



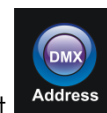
Left



Right

1. DMX Addressing

With this menu you can set the DMX address.



01) Press the button or press the buttons to select .

02) Press the button, to confirm. You can choose from 512 different DMX addresses.

press the and/or buttons to select the required address from .

03) Once you have set the desired DMX address, press the button to store your DMX address.

2. Edit Mode

With this menu you can set your desired mode.



01) Press the  button or press the     buttons to select .

02) Press the  button, to confirm. You can choose from 3 different modes.

03) Press the   buttons to select the required mode:

DMX MODE 51(CH)	NO
DMX MODE 23(CH)	YES
MASTER MODE	

04) Once you have selected the desired mode, press the   buttons to change the value from NO to YES.

05) Press the  button to confirm your choice.

06) If the device has been set to Master mode, all the connected slave devices will act the same as the master device.

07) If the device has been set to slave, it will react the same as its master device.

3. Settings Menu

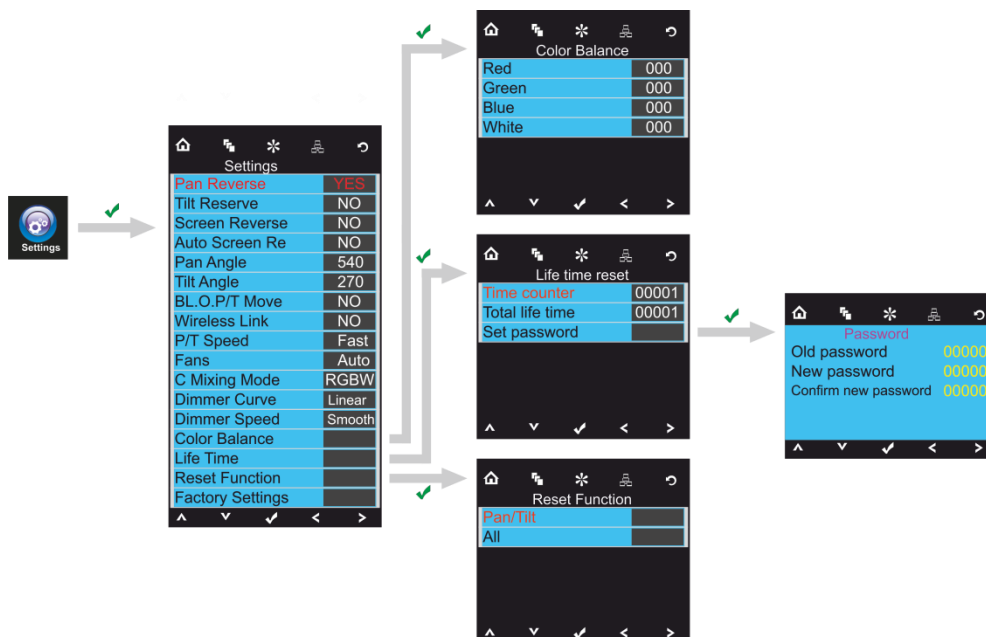
With this menu you can set your desired mode.



01) Press the  button or press the     buttons to select .

02) Press the  button, to enter the menu. You can choose from 17 different modes.

03) Press the   buttons to select the required mode:



04) Once you have selected the desired mode, press the  button to proceed to edition.

- 05) Press the   buttons to change the value from NO to YES.
- 06) Some of the available menus have different options to the regular, YES or NO function:
- Pan Angle: 540°, 360°, 180°
 - Tilt Angle: 270°, 180°, 90°
 - P/T Speed: Fast, Slow
 - Fans: Auto, Silent, Full
 - C Mixing Mode: RGBW, CMY
 - Dimmer Curve: Linear, Square, I Squa, S Curve
 - Dimmer Speed: Smooth, Fast

3.1. Color Balance

With this menu you can set the device's color brightness.

- 01) Press the   buttons to select Color Balance and press the  button to open the menu.
- 02) You can now adjust 4 colors: Red, Green, Blue, White.
- 03) Choose the desired color, press the  button and then press the   buttons to set the value. The adjustment range is between 0-255, from dark to brightest.
- 04) You can combine Red, Green, Blue and White to create an infinite range of colors.

3.2. Life Time

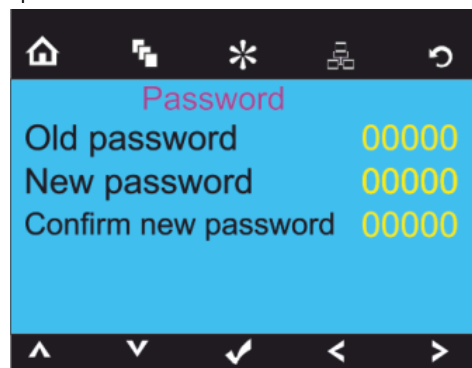
With this menu you can reset the device's counters.

- 01) Press the   buttons to select Life Time and press the  button to open the menu.
- 02) Press the   buttons to choose one of the 3 reset options:
- Time Counter (the time counter will be reset)
 - Total Life Time (the device's operation time counter will be reset)
 - Set Password
- 03) If you select Time Counter or Total Life Time, press the  button to open the choice selection.
- 04) Press the   buttons to choose either YES or NO. Press the  button to confirm.

3.2.1. Set Password

With this menu you can set the new password for the device.

- 01) Press the   buttons to select Set Password and press the  button to open the menu.
- 02) The following screen will pop up:



- 03) Press the   buttons to select the digit which you want to edit.
- 04) Press the   buttons to adjust the values.

3.3. Reset

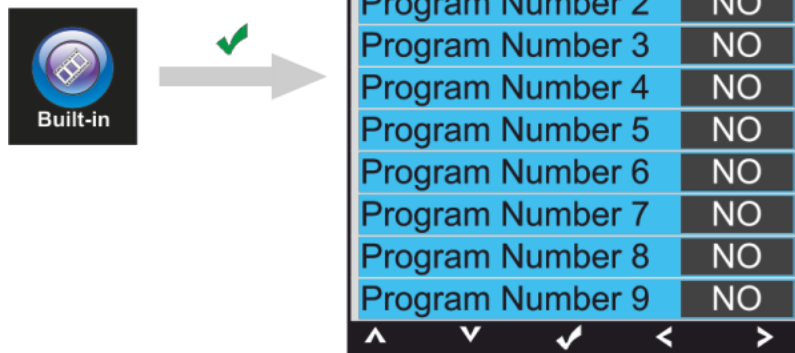
With this menu you can reset the device's settings.

- 01) In Settings menu, press the   buttons to select Reset Function and press the  button to open the menu.
- 02) Press the   buttons to choose one of the 2 options:
 - Pan/Tilt (Pan/Tilt reset)
 - All (complete settings reset)
- 03) Once you have chosen the desired option, press the  button to proceed to edition.
- 04) Press the   buttons to choose between YES or NO.
- 05) Press the  button to confirm your choice.

4. Built-in Programs

With this menu you can set your desired built-in program.

- 01) Press the  button or press the     buttons to select .
- 02) Press the  button to enter the menu.
- 03) Press the   buttons to select the desired built-in program.



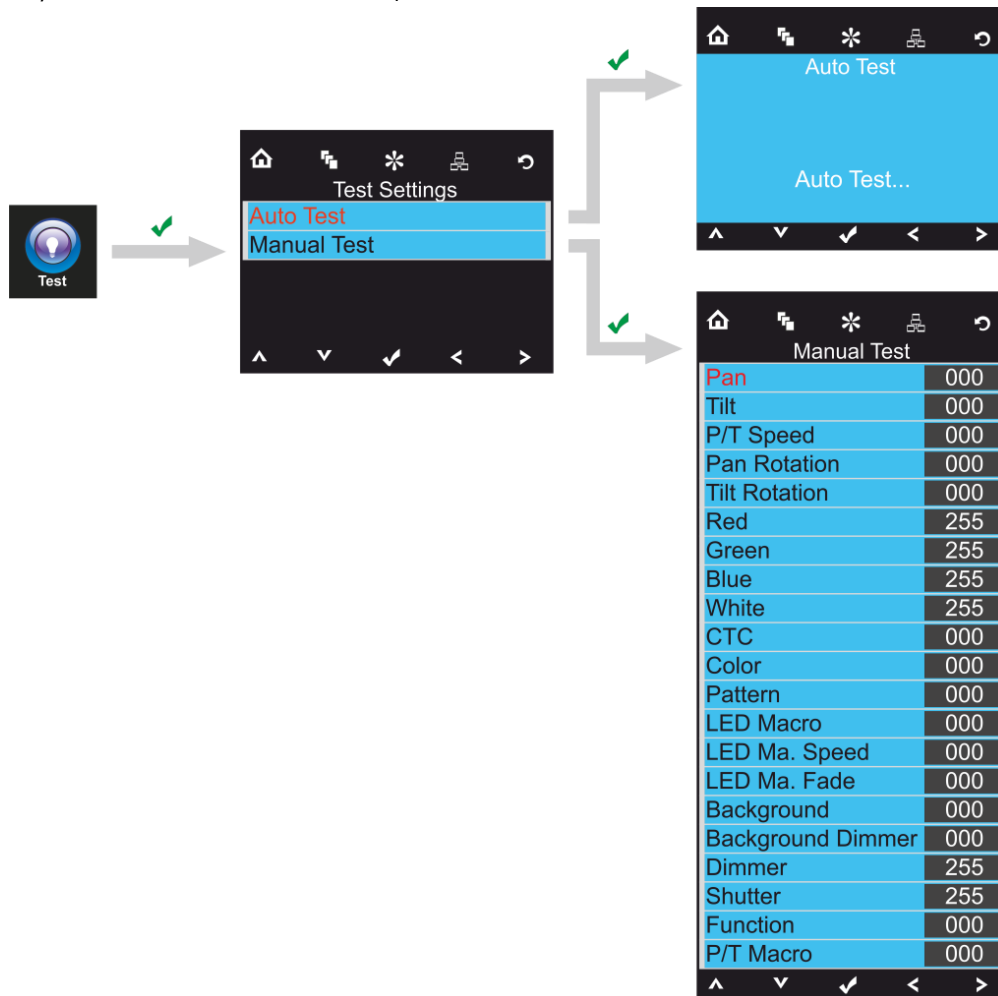
- 04) Press the  button to confirm your choice.
- 05) Press the   buttons to choose either YES or NO and press the  button to confirm your choice.

5. Test Menu

With this menu you can set your desired mode.



- 01) Press the  button or press the     buttons to select .
- 02) Press the  button to enter the menu.
- 03) Press the   buttons to choose one of the 2 modes:
 - Auto Test
 - Manual Test
- 04) Press the  to confirm your choice.

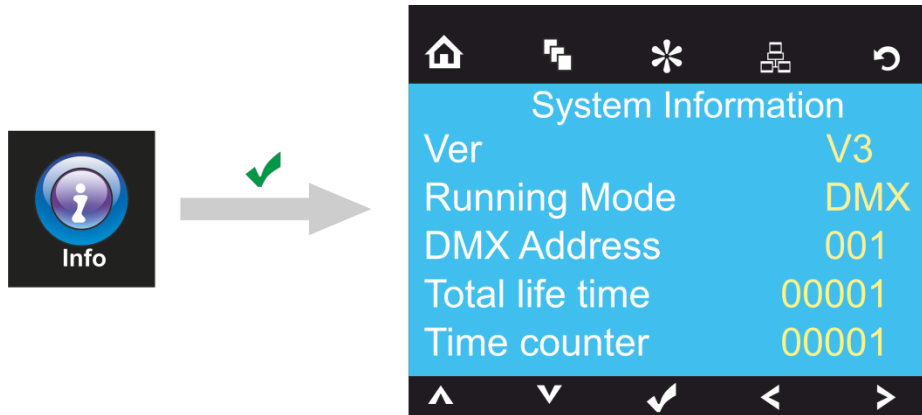


- 05) If you have selected Auto Test mode, the device will automatically test all its functions.
- 06) If you have selected Manual Test mode, press the   buttons to select the desired option.
- 07) Press the   buttons to change the values from 0 to 255.
- 08) Once you have adjusted the desired setting, press the  button to store changes.

6. System information

With this menu you can set your desired mode.

- 01) Press the  button or press the     buttons to select .
- 02) Press the  button to enter the menu.
- 03) The following screen will pop up:



- 04) You can now monitor the device's current software version, current active mode, current DMX starting address, total operation time counter and time counter.

DMX Channels

23 channels

Channel 1 – Horizontal movement (Pan)

Push the slider up, in order to move head horizontally (PAN).

Gradual head adjustment from one end of the slider to the other (0-255, 128-center).

The head can be turned by 540° and stopped at any position you wish.

Channel 2 – Vertical movement (Tilt)

Push the slider up, in order to move head vertically (TILT).

Gradual head adjustment from one end of the slider to the other (0-255, 128-center).

The head can be turned by 270° and stopped at any position you wish.

Channel 3 – Pan fine 16 bit

Channel 4 – Tilt fine 16 bit

Channel 5 – PAN/TILT Speed

0-255 From fast to slow

Channel 6 – Horizontal movement (Pan)

0-127 Counterclockwise rotation, from slow to fast

128-255 Clockwise rotation, from slow to fast

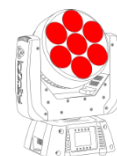
Channel 7 – Vertical movement (Tilt)

0-127 Counterclockwise rotation, from slow to fast

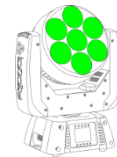
128-255 Clockwise rotation, from slow to fast

Channel 8 – Red CH20 and CH21 must be open

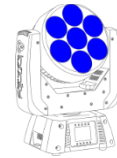
0-255 Gradual adjustment Red, from dark to brightest



Channel 9 – Green ⚠ **CH20 and CH21 must be open** ⚠
0-255 Gradual adjustment Green, from dark to brightest



Channel 10 – Blue ⚠ **CH20 and CH21 must be open** ⚠
0-255 Gradual adjustment Blue, from dark to brightest



Channel 11 – White ⚠ **CH20 and CH21 must be open** ⚠
0-255 Gradual adjustment White, from dark to brightest



Channel 12 – Color temperature

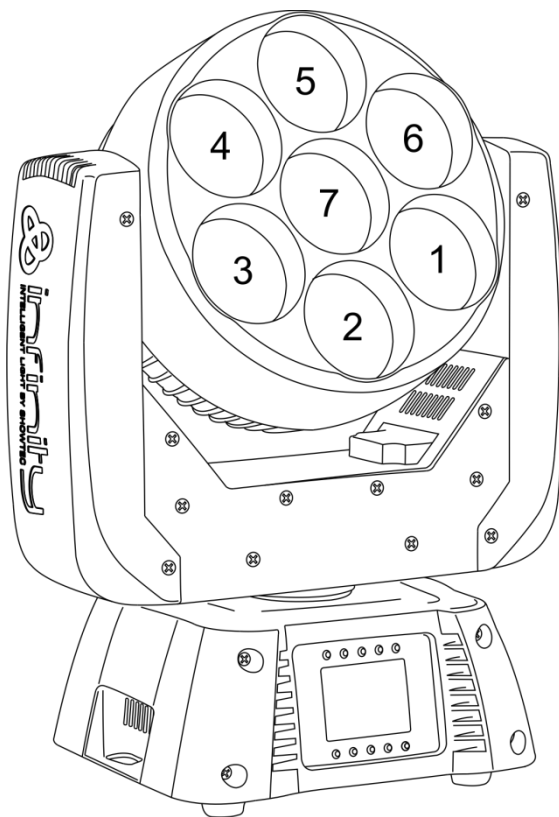
0 Not functional
1-255 Color temperature, from 19000K to 2700K

Channel 13 – Color temperature

0 Not functional
1-2 White 2700K
3-4 White 3200K
5-6 White 4200K
7-8 White 5600K
9-10 White 8000K
11 Blue (R=0, G=0, B=255, W=0)
12-48 R=0, G=0, B=255, W=0
49 Cyan (R=0, G=255, B=255, W=0)
50-86 R=0, G=255, B=0, W=0
87 Green (R=0, G=255, B=0, W=0)
88-124 R=255, G=255, B=0, W=0
125 Yellow (R=255, G=255, B=0, W=0)
126-162 R=255, G=0, B=0, W=0
163 Red (R=255, G=0, B=0, W=0)
164-200 R=255, G=0, B=255, W=0
201 Purple (R=255, G=0, B=255, W=0)
202-238 R=255, G=0, B=255, W=0
239 Blue (R=0, G=0, B=255, W=0)
240-247 Color flow, from fast to slow
248-255 Color switch, from fast to slow

Channel 14 – Individual LED control  CH8-11 and CH20-21 must be open. 

LED #	1	2	3	4	5	6	7
0-9	●	●	●	●	●	●	●
10-11	●	○	○	○	○	○	○
12-13	○	●	○	○	○	○	○
14-15	○	○	●	○	○	○	○
16-17	○	○	○	●	○	○	○
18-19	○	○	○	○	●	○	○
20-21	○	○	○	○	○	●	○
22-23	○	○	○	○	○	○	●
24-25	○	○	○	○	○	○	○
26-27	●	●	○	○	○	○	○
28-29	○	●	●	○	○	○	○
30-31	○	○	●	●	○	○	○
32-33	○	○	○	●	●	○	○
34-35	○	○	○	○	●	●	○
36-37	●	○	○	○	○	●	○
38-39	●	○	●	○	○	○	○
40-41	○	●	○	●	○	○	○
42-43	○	○	●	○	●	○	○
44-45	○	○	○	●	○	●	○
46-47	●	○	○	○	●	○	○
48-49	○	●	○	○	○	●	○
50-51	●	○	○	○	○	○	●
52-53	○	●	○	○	○	○	●
54-55	○	○	●	○	○	○	●
56-57	○	○	○	●	○	○	●
58-59	○	○	○	○	●	○	●
60-61	○	○	○	○	○	●	●
62-63	●	○	○	●	○	○	○
64-65	○	●	○	○	●	○	○
66-67	○	○	●	○	○	●	○
68-69	●	●	●	○	○	○	○
70-71	○	●	●	●	○	○	○
72-73	○	○	●	●	●	○	○
74-75	○	○	○	●	●	●	○
76-77	●	○	○	○	●	●	○
78-79	●	●	○	○	○	●	○
80-81	●	○	●	○	●	○	○
82-83	○	●	○	●	○	●	○
84-85	●	○	○	●	○	○	●
86-87	○	●	○	○	●	○	●
88-89	○	○	●	○	○	●	●
90-91	●	○	●	○	○	○	●
92-93	○	●	○	●	○	○	●
94-95	○	○	●	○	●	○	●
96-97	○	○	○	●	○	●	●
98-99	●	○	○	○	●	○	●



100-101	○	●	○	○	○	●	●
102-103	●	●	●	●	○	○	○
104-105	○	●	●	●	●	○	○
106-107	○	○	●	●	●	●	○
108-109	●	○	○	●	●	●	○
110-111	●	●	○	○	●	●	○
112-113	●	●	●	○	○	●	○
114-115	●	○	●	○	●	○	●
116-117	○	●	○	●	○	●	●
118-119	●	●	○	●	●	○	○
120-121	○	●	●	○	●	●	○
122-123	●	○	●	●	○	●	○
124-125	●	●	●	○	○	○	●
126-127	○	●	●	●	○	○	●
128-129	○	○	●	●	●	○	●
130-131	○	○	○	●	●	●	●
132-133	●	○	○	○	●	●	●
134-135	●	●	○	○	○	●	●
136-137	●	●	●	○	●	○	○
138-139	○	●	●	●	○	●	○
140-141	●	○	●	●	●	○	○
142-143	○	●	○	●	●	●	○
144-145	●	○	●	○	●	●	○
146-147	●	●	○	●	○	●	○
148-149	●	●	○	●	●	○	○
150-151	○	●	●	○	●	●	○
152-153	●	○	●	●	○	●	○
154-155	●	●	●	●	●	○	○
156-157	○	●	●	●	●	●	○
158-159	●	○	●	●	●	●	○
160-161	●	●	○	●	●	●	○
162-163	●	●	●	○	●	●	○
164-165	●	●	●	●	○	●	○
166-167	●	●	●	○	●	○	●
168-169	○	●	●	●	○	●	●
170-171	●	○	●	●	●	○	●
172-173	○	●	○	●	●	●	●
174-175	●	○	●	○	●	●	●
176-177	●	●	○	●	○	●	●
178-179	●	●	○	●	●	○	●
180-181	○	●	●	○	●	●	●
182-183	●	○	●	●	○	●	●
184-185	●	●	●	●	●	●	○
186-187	●	●	●	●	●	○	●
188-189	○	●	●	●	●	●	●
190-191	●	○	●	●	●	●	●
192-193	●	●	○	●	●	●	●
194-195	●	●	●	○	●	●	●

196-197	● ● ● ● ○ ● ●
198-255	● ● ● ● ● ● ●

Channel 15 – Color programs CH8-11 and CH20-21 must be open

0-15	Not functional
16-135	Built-in programs

Channel 15 – Color programs (fixed color) CH20-21 must be open

136-255	Built-in programs
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Channel 16 – Program speed

0	Static
1-127	Clockwise rotation, from fast to slow
128-255	Counterclockwise rotation, from slow to fast

Channel 17 – LED fade effect

0-255	LED fade effect, from OFF to high
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Channel 18 – Color reverse

0	Not functional
1-2	White 2700K
3-4	White 3200K
5-6	White 4200K
7-8	White 5600K
9-10	White 8000K
11	Blue (R=0, G=0, B=255, W=0)
12-48	R=0, G=0, B=255, W=0
49	Cyan (R=0, G=255, B=255, W=0)
50-86	R=0, G=255, B=, W=0
87	Green (R=0, G=255, B=0, W=0)
88-124	R+, G=255, B=0, W=0
125	Yellow (R=255, G=255, B=0, W=0)
126-162	R=255, G=, B=0, W=0
163	Red (R=255, G=0, B=0, W=0)
164-200	R=255, G=0, B+, W=0
201	Purple (R=255, G=0, B=255, W=0)
202-238	R-, G=0, B=255, W=0
239	Blue (R=0, G=0, B=255, W=0)
240-247	Color flow, from fast to slow
248-255	Color switch, from fast to slow

Channel 19 – Color reverse dimmer

0-255	Dimmer intensity, from OFF to full ON
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Channel 20 – Master dimmer

0-255	Dimmer intensity, from OFF to full ON
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Channel 21 – Shutter / Strobe CH20 must be open

0-19	Close
20-24	Shutter open
25-64	Strobe effect 1, from fast to slow
65-69	Shutter open
70-84	Strobe effect 2 (fast on and slow off), from fast to slow
85-89	Shutter open
90-104	Strobe effect 3 (slow on and fast off), from fast to slow

105-109	Shutter open
110-124	Strobe effect 4 (random strobe), from fast to slow
125-129	Shutter open
130-144	Strobe effect 5 (random strobe fast on and slow off), from fast to slow
145-149	Shutter open
150-164	Strobe effect 6 (random strobe slow on and fast off), from fast to slow
165-169	Shutter open
170-184	Strobe effect 7 (pulse strobe), from fast to slow
185-189	Shutter open
190-204	Strobe effect 8 (random pulse frequency strobe), from fast to slow
205-209	Shutter open
210-224	Strobe effect 9 (strobe light, gradually destroy), from fast to slow
225-229	Shutter open
230-244	Strobe effect 10 (pulse strobe), from fast to slow
245-255	Shutter open

Channel 22 – Functions

0-9	Not functional
10-14	Pan/Tilt blackout
15-19	Not functional
20-24	RGBW color mixing, after 5 seconds
25-29	CMY color mixing, after 5 seconds
30-49	Not functional
50-54	Pan reset, after 5 seconds
55-59	Tilt reset, after 5 seconds
60-69	Not functional
70-74	Pan/Tilt reset, after 5 seconds
75-109	Not functional, after 5 seconds
110-114	Pan/Tilt fast, after 5 seconds
115-119	Pan/Tilt slow, after 5 seconds
120-124	Cooling fan slow, after 5 seconds
125-129	Cooling fan full speed, after 5 seconds
130-134	Cooling fan temperature dependent, after 5 seconds
135-139	Fast dimmer, after 5 seconds
140-144	Slow dimmer, after 5 seconds
145-255	Not functional

Channel 23 – Built-in programs

0-7	Not functional
8-23	Program 1
24-39	Program 2
40-55	Program 3
56-71	Program 4
72-87	Program 5
88-103	Program 6
104-119	Program 7
120-135	Program 8
136-151	Program 9
152-167	Program 10
168-183	Program 11
184-199	Program 12
200-215	Program 13
216-231	Program 14
232-247	Program 15
248-255	Program 16

51 channels

Channel 1 – Horizontal movement (Pan)

Push the slider up, in order to move head horizontally (PAN).

Gradual head adjustment from one end of the slider to the other (0-255, 128-center).

The head can be turned by 540° and stopped at any position you wish.

Channel 2 – Vertical movement (Tilt)

Push the slider up, in order to move head vertically (TILT).

Gradual head adjustment from one end of the slider to the other (0-255, 128-center).

The head can be turned by 270° and stopped at any position you wish.

Channel 3 – Pan fine 16 bit

Channel 4 – Tilt fine 16 bit

Channel 5 – PAN/TILT Speed

0-255 From fast to slow

Channel 6 – Horizontal movement (Pan)

0-127 Counterclockwise rotation, from slow to fast

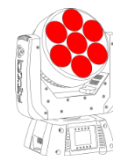
128-255 Clockwise rotation, from slow to fast

Channel 7 – Vertical movement (Tilt)

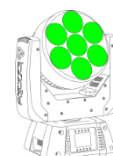
0-127 Counterclockwise rotation, from slow to fast

128-255 Clockwise rotation, from slow to fast

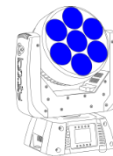
Channel 8 – Red  **CH48 and CH49 must be open** 
0-255 Gradual adjustment Red, from dark to brightest



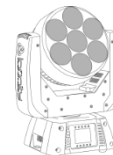
Channel 9 – Green  **CH48 and CH49 must be open** 
0-255 Gradual adjustment Green, from dark to brightest



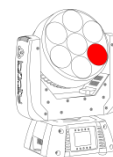
Channel 10 – Blue  **CH48 and CH49 must be open** 
0-255 Gradual adjustment Blue, from dark to brightest



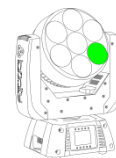
Channel 11 – White  **CH48 and CH49 must be open** 
0-255 Gradual adjustment White, from dark to brightest



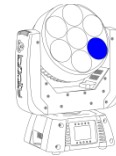
Channel 12 – Red 1  **CH48 and CH49 must be open** 
0-255 Gradual adjustment Red, from dark to brightest



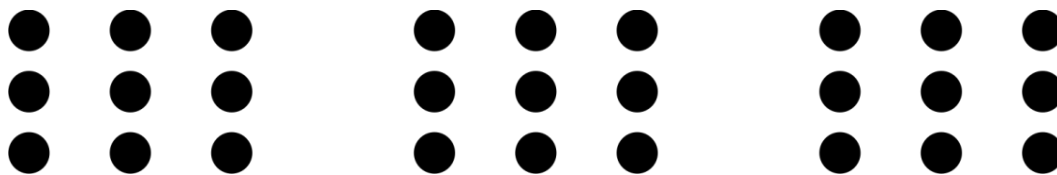
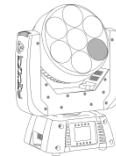
Channel 13 – Green 1 ⚠ **CH48 and CH49 must be open** ⚠
0-255 Gradual adjustment Green, from dark to brightest



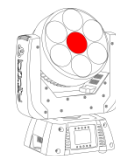
Channel 14 – Blue 1 ⚠ **CH48 and CH49 must be open** ⚠
0-255 Gradual adjustment Blue, from dark to brightest



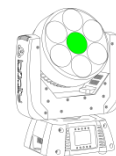
Channel 15 – White 1 ⚠ **CH48 and CH49 must be open** ⚠
0-255 Gradual adjustment White, from dark to brightest



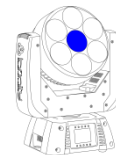
Channel 36 – Red 7 ⚠ **CH48 and CH49 must be open** ⚠
0-255 Gradual adjustment Red, from dark to brightest



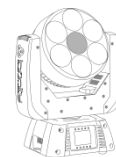
Channel 37 – Green 7 ⚠ **CH48 and CH49 must be open** ⚠
0-255 Gradual adjustment Green, from dark to brightest



Channel 38 – Blue 7 ⚠ **CH48 and CH49 must be open** ⚠
0-255 Gradual adjustment Blue, from dark to brightest



Channel 39 – White 7 ⚠ **CH48 and CH49 must be open** ⚠
0-255 Gradual adjustment White, from dark to brightest



Channel 40 – Color temperature

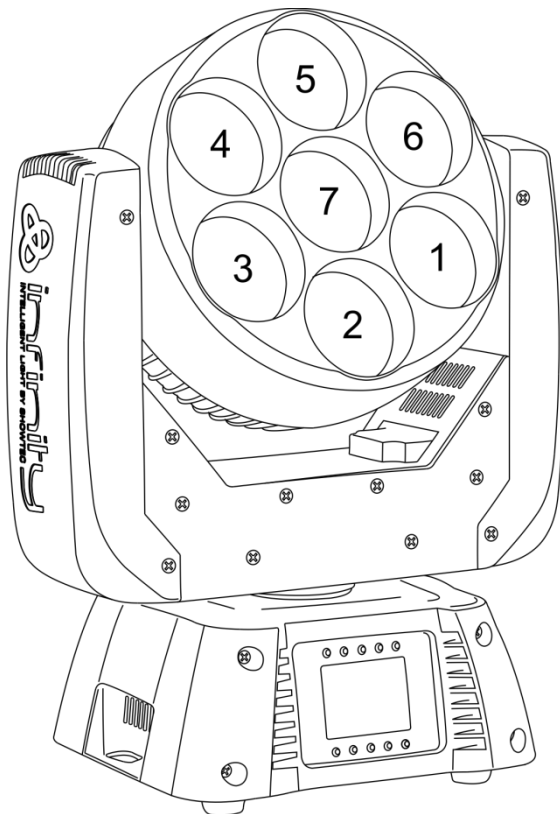
0 Not functional
1-255 Color temperature, from 19000K to 2700K

Channel 41 – Color temperature

0	Not functional
1-2	White 2700K
3-4	White 3200K
5-6	White 4200K
7-8	White 5600K
9-10	White 8000K
11	Blue (R=0, G=0, B=255, W=0)
12-48	R=0, G=0, B=255, W=0
49	Cyan (R=0, G=255, B=255, W=0)
50-86	R=0, G=255, B=, W=0
87	Green (R=0, G=255, B=0, W=0)
88-124	R+, G=255, B=0, W=0
125	Yellow (R=255, G=255, B=0, W=0)
126-162	R=255, G=, B=0, W=0
163	Red (R=255, G=0, B=0, W=0)
164-200	R=255, G=0, B+, W=0
201	Purple (R=255, G=0, B=255, W=0)
202-238	R=, G=0, B=255, W=0
239	Blue (R=0, G=0, B=255, W=0)
240-247	Color flow, from fast to slow
248-255	Color switch, from fast to slow

Channel 42 – Individual LED control CH8-40 and CH48-49 must be open.

LED #	1	2	3	4	5	6	7
0-9	●	●	●	●	●	●	●
10-11	●	○	○	○	○	○	○
12-13	○	●	○	○	○	○	○
14-15	○	○	●	○	○	○	○
16-17	○	○	○	●	○	○	○
18-19	○	○	○	○	●	○	○
20-21	○	○	○	○	○	●	○
22-23	○	○	○	○	○	○	●
24-25	○	○	○	○	○	○	○
26-27	●	●	○	○	○	○	○
28-29	○	●	●	○	○	○	○
30-31	○	○	●	●	○	○	○
32-33	○	○	○	●	●	○	○
34-35	○	○	○	○	●	●	○
36-37	●	○	○	○	○	●	○
38-39	●	○	●	○	○	○	○
40-41	○	●	○	●	○	○	○
42-43	○	○	●	○	●	○	○
44-45	○	○	○	●	○	●	○
46-47	●	○	○	○	●	○	○
48-49	○	●	○	○	○	●	○
50-51	●	○	○	○	○	○	●
52-53	○	●	○	○	○	○	●
54-55	○	○	●	○	○	○	●
56-57	○	○	○	●	○	○	●
58-59	○	○	○	○	●	○	●



60-61	○	○	○	○	○	●	●
62-63	●	○	○	●	○	○	○
64-65	○	●	○	○	●	○	○
66-67	○	○	●	○	○	●	○
68-69	●	●	●	○	○	○	○
70-71	○	●	●	●	○	○	○
72-73	○	○	●	●	●	○	○
74-75	○	○	○	●	●	●	○
76-77	●	○	○	○	●	●	○
78-79	●	●	○	○	○	●	○
80-81	●	○	●	○	●	○	○
82-83	○	●	○	●	○	●	○
84-85	●	○	○	●	○	○	●
86-87	○	●	○	○	●	○	●
88-89	○	○	●	○	○	●	●
90-91	●	○	●	○	○	○	●
92-93	○	●	○	●	○	○	●
94-95	○	○	●	○	●	○	●
96-97	○	○	○	●	○	●	●
98-99	●	○	○	○	●	○	●
100-101	○	●	○	○	○	●	●
102-103	●	●	●	●	○	○	○
104-105	○	●	●	●	●	○	○
106-107	○	○	●	●	●	●	○
108-109	●	○	○	●	●	●	○
110-111	●	●	○	○	●	●	○
112-113	●	●	●	○	○	●	○
114-115	●	○	●	○	●	○	●
116-117	○	●	○	●	○	●	●
118-119	●	●	○	●	●	○	○
120-121	○	●	●	○	●	●	○
122-123	●	○	●	●	○	●	○
124-125	●	●	●	○	○	○	●
126-127	○	●	●	●	○	○	●
128-129	○	○	●	●	●	○	●
130-131	○	○	○	●	●	●	●
132-133	●	○	○	○	●	●	●
134-135	●	●	○	○	○	●	●
136-137	●	●	●	○	●	○	○
138-139	○	●	●	●	○	●	○
140-141	●	○	●	●	●	○	○
142-143	○	●	○	●	●	●	○
144-145	●	○	●	○	●	●	○
146-147	●	●	○	●	○	●	○
148-149	●	●	○	●	●	○	○
150-151	○	●	●	○	●	●	○
152-153	●	○	●	●	○	●	○
154-155	●	●	●	●	●	○	○

156-157	○ ● ● ● ● ● ○
158-159	● ○ ● ● ● ● ○
160-161	● ● ○ ● ● ● ○
162-163	● ● ● ○ ● ● ○
164-165	● ● ● ● ○ ● ○
166-167	● ● ● ○ ● ○ ●
168-169	○ ● ● ● ○ ● ●
170-171	● ○ ● ● ● ○ ●
172-173	○ ● ○ ● ● ● ●
174-175	● ○ ● ○ ● ● ●
176-177	● ● ○ ● ○ ● ●
178-179	● ● ○ ● ● ○ ●
180-181	○ ● ● ○ ● ● ●
182-183	● ○ ● ● ○ ● ●
184-185	● ● ● ● ● ● ○
186-187	● ● ● ● ● ○ ●
188-189	○ ● ● ● ● ● ●
190-191	● ○ ● ● ● ● ●
192-193	● ● ○ ● ● ● ●
194-195	● ● ● ○ ● ● ●
196-197	● ● ● ● ○ ● ●
198-255	● ● ● ● ● ● ●

Channel 43 – Color programs CH8-11 and CH20-21 must be open

0-15	Not functional
16-135	Built-in programs

Channel 43 – Color programs (fixed color) CH20-21 must be open

136-255	Built-in programs
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Channel 44 – Program speed

0	Static
1-127	Clockwise rotation, from fast to slow
128-255	Counterclockwise rotation, from slow to fast

Channel 45 – LED fade effect

0-255	LED fade effect, from OFF to high
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Channel 46 – Color reverse

0	Not functional
1-2	White 2700K
3-4	White 3200K
5-6	White 4200K
7-8	White 5600K
9-10	White 8000K
11	Blue (R=0, G=0, B=255, W=0)
12-48	R=0, G=0, B=255, W=0
49	Cyan (R=0, G=255, B=255, W=0)
50-86	R=0, G=255, B=, W=0
87	Green (R=0, G=255, B=0, W=0)
88-124	R+, G=255, B=0, W=0
125	Yellow (R=255, G=255, B=0, W=0)
126-162	R=255, G=, B=0, W=0
163	Red (R=255, G=0, B=0, W=0)
164-200	R=255, G=0, B+, W=0
201	Purple (R=255, G=0, B=255, W=0)
202-238	R-, G=0, B=255, W=0
239	Blue (R=0, G=0, B=255, W=0)
240-247	Color flow, from fast to slow
248-255	Color switch, from fast to slow

Channel 47 – Color reverse dimmer

0-255	Dimmer intensity, from OFF to full ON
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Channel 48 – Master dimmer

0-255	Dimmer intensity, from OFF to full ON
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Channel 49 – Shutter / Strobe **CH20 must be open**

0-19	Close
20-24	Shutter open
25-64	Strobe effect 1, from fast to slow
65-69	Shutter open
70-84	Strobe effect 2 (fast on and slow off), from fast to slow
85-89	Shutter open
90-104	Strobe effect 3 (slow on and fast off), from fast to slow
105-109	Shutter open
110-124	Strobe effect 4 (random strobe), from fast to slow
125-129	Shutter open
130-144	Strobe effect 5 (random strobe fast on and slow off), from fast to slow
145-149	Shutter open
150-164	Strobe effect 6 (random strobe slow on and fast off), from fast to slow
165-169	Shutter open
170-184	Strobe effect 7 (pulse strobe), from fast to slow
185-189	Shutter open
190-204	Strobe effect 8 (random pulse frequency strobe), from fast to slow
205-209	Shutter open
210-224	Strobe effect 9 (strobe light, gradually destroy), from fast to slow
225-229	Shutter open
230-244	Strobe effect 10 (pulse strobe), from fast to slow
245-255	Shutter open

Channel 50 – Functions

0-9	Not functional
10-14	Pan/Tilt blackout
15-19	Not functional
20-24	RGBW color mixing, after 5 seconds
25-29	CMY color mixing, after 5 seconds
30-49	Not functional
50-54	Pan reset, after 5 seconds
55-59	Tilt reset, after 5 seconds
60-69	Not functional
70-74	Pan/Tilt reset, after 5 seconds
75-109	Not functional, after 5 seconds
110-114	Pan/Tilt fast, after 5 seconds
115-119	Pan/Tilt slow, after 5 seconds
120-124	Cooling fan slow, after 5 seconds
125-129	Cooling fan full speed, after 5 seconds
130-134	Cooling fan temperature dependent, after 5 seconds
135-139	Fast dimmer, after 5 seconds
140-144	Slow dimmer, after 5 seconds
145-255	Not functional

Channel 51 – Built-in programs

0-7	Not functional
8-23	Program 1
24-39	Program 2
40-55	Program 3
56-71	Program 4
72-87	Program 5
88-103	Program 6
104-119	Program 7
120-135	Program 8
136-151	Program 9
152-167	Program 10
168-183	Program 11
184-199	Program 12
200-215	Program 13
216-231	Program 14
232-247	Program 15
248-255	Program 16

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 iB-715 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.

The cooling fans should be cleaned monthly, with a soft brush.

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:

- 01) Unplug the unit from electric power source.
- 02) Insert a flat-head screwdriver into a slot in the fuse cover. Turn the screwdriver to the left, at the same time gently push a bit (Turn and Push). 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 cover. 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 unit is plugged into an appropriate power supply.
- 02) The LEDs. Return the Infinity to your Showtec dealer.
- 03) The fuse. Replace the fuse. See page 32 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 Infinity, 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	Check if power is switched on and cables are plugged in
	Primary fuse blown	Replace fuse
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 Out 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 lamp cuts 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

Product Specifications

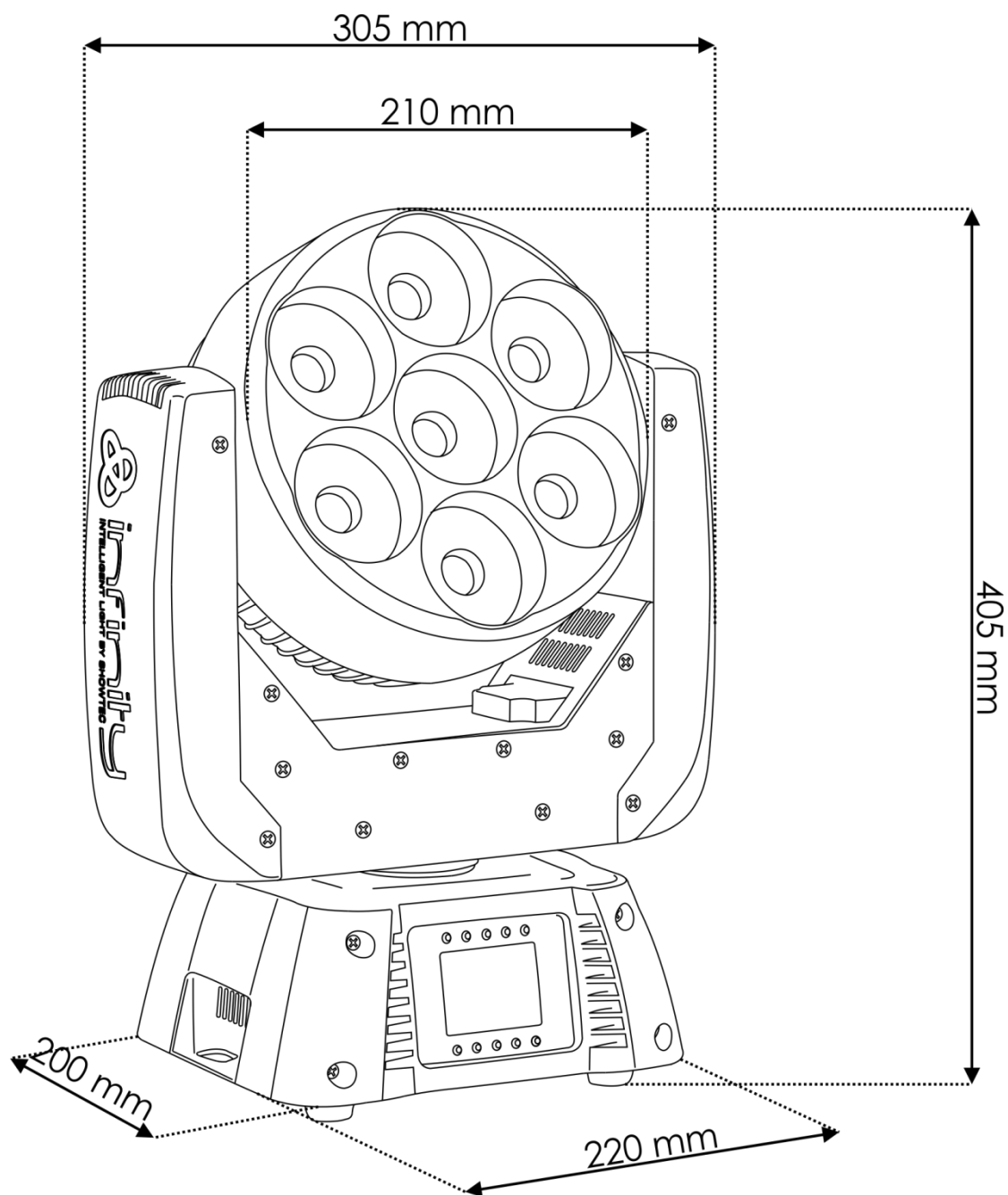
Model:	Infinity iB-715
Input Voltage:	100-240 VAC, 60/50Hz
Power consumption:	165W (full output)
DMX linking:	30pcs
Fuse:	F3AL/250V
Dimensions:	305 x 200 x 405 mm (LxWxH)
Weight:	9 kg
Operating and Programming:	
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)
DMX Mode:	23, 51 channels
Signal input:	3-pin XLR IN
Signal output:	3-pin XLR OUT
Electro-mechanical effects:	
Light Source:	7 x 15W RGBW 4-in-1 Osram Ostar
Output:	3200 lumen
Color mixing:	RGBW, CMY
Color temperature:	19000K
Beam angle:	4,5°
Dimmer:	0-100%
Strobe:	0-20Hz
Pan:	540°
Tilt:	270°
Dimming Curves:	Linear, Square, I-Square, S-curve
Housing:	Metal & Flame retardant plastic
IP rating:	IP20
DMX control:	via standard DMX-controller
On Board:	LCD display with gravity sensor
Control:	Stand-alone, Master/Slave, DMX-512
Connections:	Dedicated PowerCON to Schuko & 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.



Website: www.Showtec.info
Email: service@highlite.nl

Dimensions



This image shows a full page of white paper with horizontal black ruling lines. The lines are evenly spaced and run across the width of the page. At the top left corner, the word "Notes" is written in a bold, black font. A thick horizontal line is positioned directly below the word "Notes".



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