infinity
INTELLIGENT LIGHT ®

ENGLISH

Infinity iB-5R   V3

Ordercode: 41530

Table of contents

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-5R with PowerCON power cable (1 m)
- 2 x quick-lock brackets for truss mounting
- User manual
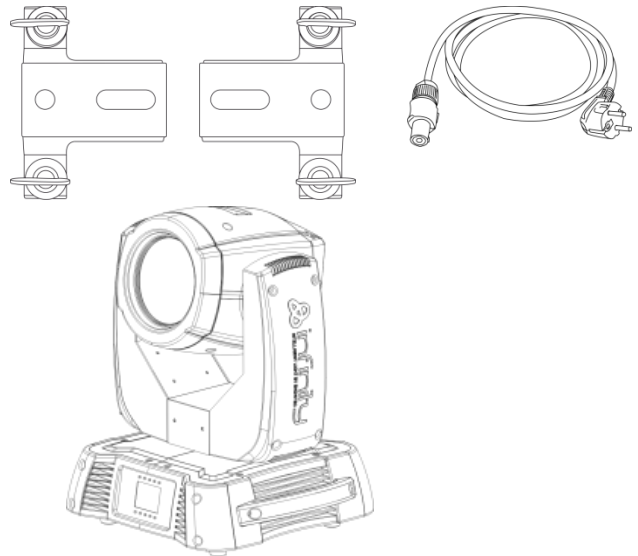
CAUTION!
Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!

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 your 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 by holding it at the projector-head, as the mechanics may be damaged. Always hold the fixture at the transport handles.
- Never place any material over the lens.
- Never look directly into the light source.
- Never leave any cables lying around.
- Do not insert objects into air vents.
- Do not connect this device to a dimmer pack.
- Do not switch the device on and off in short intervals, as this would 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 device indoors, avoid contact with water or other liquids.
- Only operate the fixture after having checked that 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 case closed while operating.
- Always allow 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 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, so that its functions are not impaired due to cracks or deep scratches.
- If device is 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 use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Infinity dealer for service.
- For adult use only. Moving head must be installed out of 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)!!!

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infinity
INTELLIGENT LIGHT®

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 12 meters.
- The maximum ambient temperature ta = 40°C must never be exceeded.
- To eliminate wear and improve lifespan, during periods of non-use, completely disconnect from power via breaker or by unplugging.
- 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 Infinity is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the Infinity, with the mounting bracket, to the trussing system.
- The Infinity 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 Infinity, always make sure, that the area below the installation place is blocked and staying in the area is forbidden.
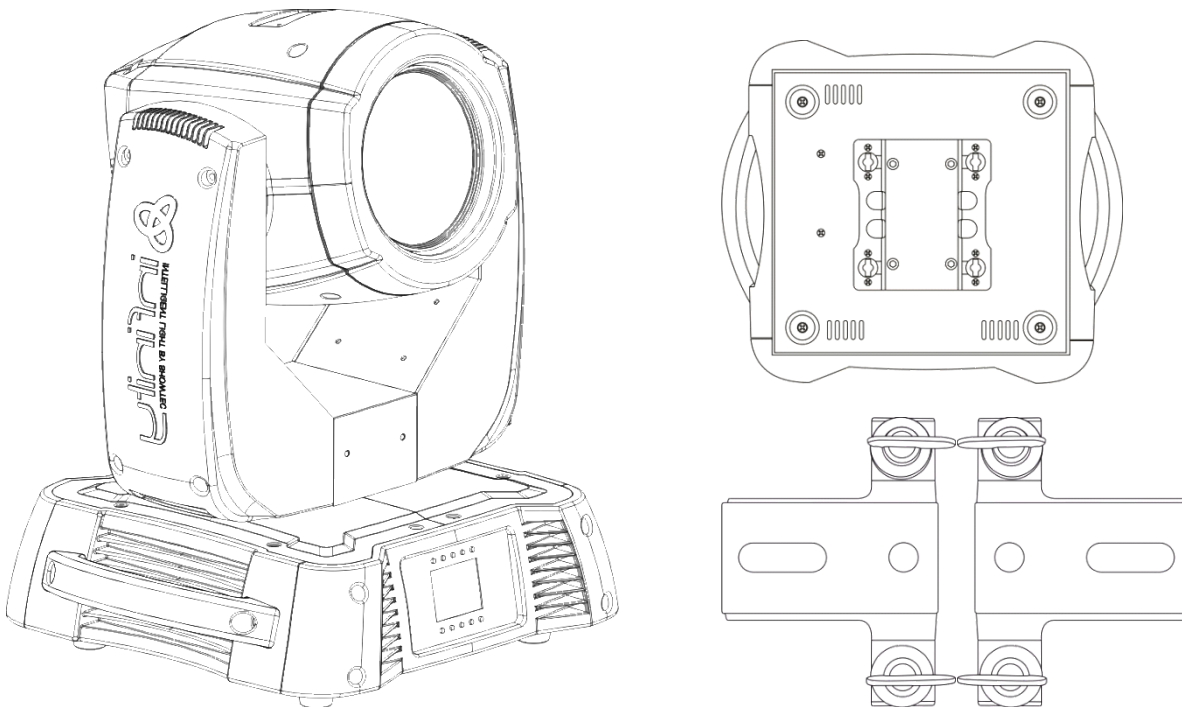
The Infinity can be placed on a flat stage floor or mounted to any kind of truss with a clamp.

Mounting a clamp to the underside of the Infinity moving head
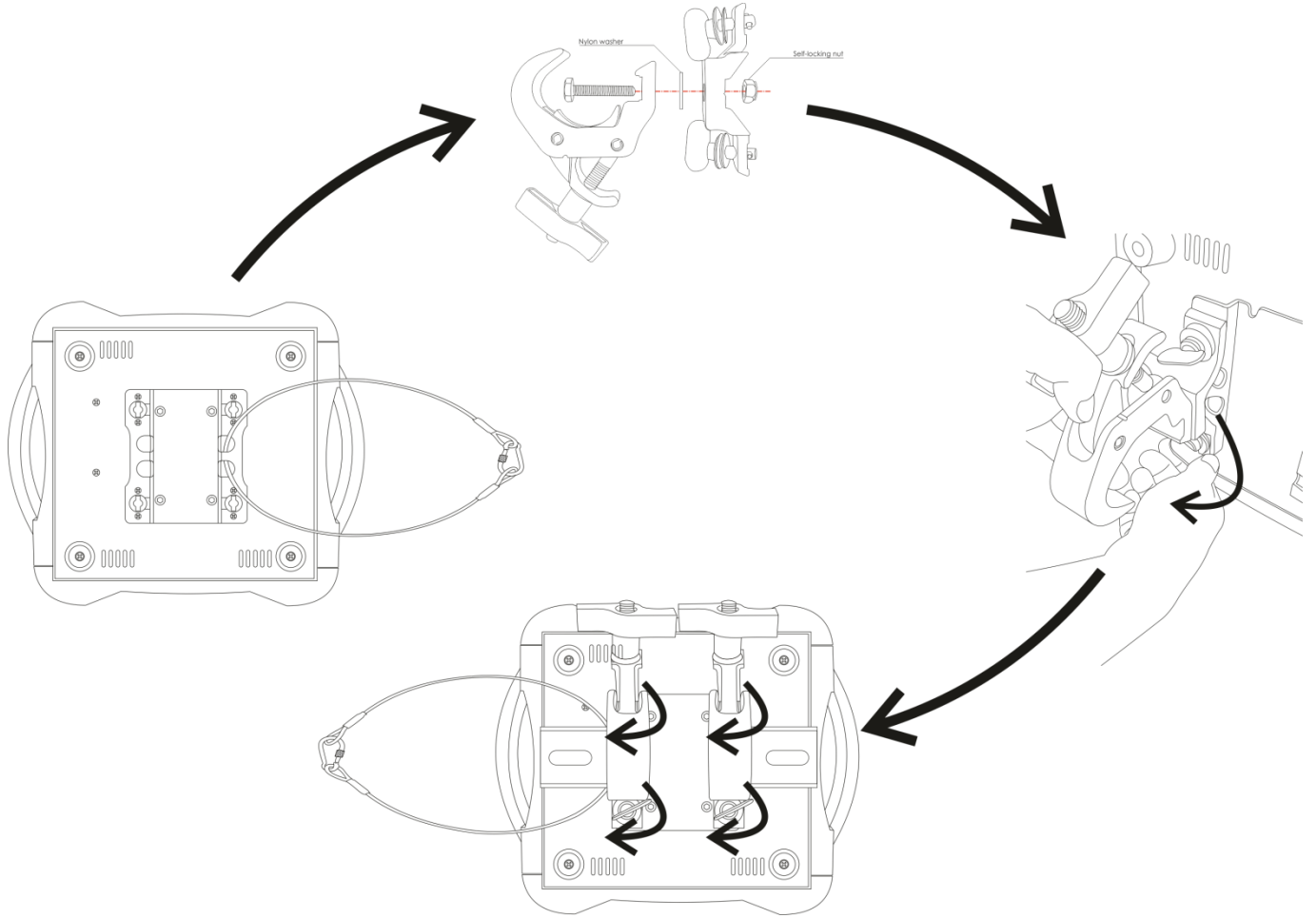
*Improper installation can cause serious damage to people and property !*

Connection with the mains

Connect the device to the mains with the power-plug.
Always pay attention, that 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	NULL
⏚	YELLOW/GREEN	GREEN	GREEN	EARTH

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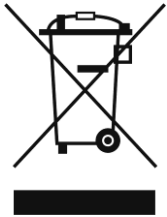
Return Procedure

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-5R is a moving-head with high output and great effects.

- DMX control via standard DMX-controller
- User-selectable Pan & Tilt ranges, 540° / 360° / 180° / 90°
- Reverse Pan / Tilt movement
- Special: Pan / Tilt movement, Color, Gobo change blackout
- Pan 0° -- 540°, Tilt 0° -- 270°
- Pan/Tilt resolution: 16 bit
- Control: Built-in programs, Master/Slave, DMX-512
- DMX channels: Basic (15CH) or Advanced (18CH)
- Gobo wheel: Static gobo wheel with 17 metal gobos and open
- Gobo functions: Gobo-flow effect, Gobo shake
- Color wheel: 14 dichroic-filters and white
- Color functions: Split colors, Rainbow-flow effect
- Rotation: Bi-directional
- Prism: 8-facet rotating prism
- Frost filter
- 10 built-in programs selectable by DMX
- Input voltage: 100-240V AC
- Light source: Osram Sirius HRI 230W (included)
- Lamp socket: E20.6
- Color temp.: 8000K
- Beam angle: 1°-3,8° electronic adjustment
- Power consumption: 385W (full output)
- Dimmer: 0-100% Mechanical
- Strobe: 0-20Hz
- Focus: Motorized
- Housing: Black metal & flame-retardant plastic
- Connections: XLR data IN/OUT (XLR 3-pin/5-pin)
- Fuse: F7AL / 250V
- Dimensions: 346 x 417 x 490 mm (LxWxH)
- Weight: 20,5 kg
- Minimum distance to lighted objects: 12 m

Optional accessories

MOD41530 – Wireless DMX upgrade kit (external antenna)
MOD41530IA - Wireless DMX upgrade kit (internal antenna)

> ⚠️ **The Wireless DMX upgrade kit should be installed ONLY by a qualified technician.
> Do not attempt installation yourself!** ⚠️

70315 – Quicktrigger Slimline basic
70450 – Saveking 3mm
70451 – Saveking 3mm
81014 – Osram Sirius HRI 230W
90456 – Schuko to Neutrik PowerCON splitter 3-way
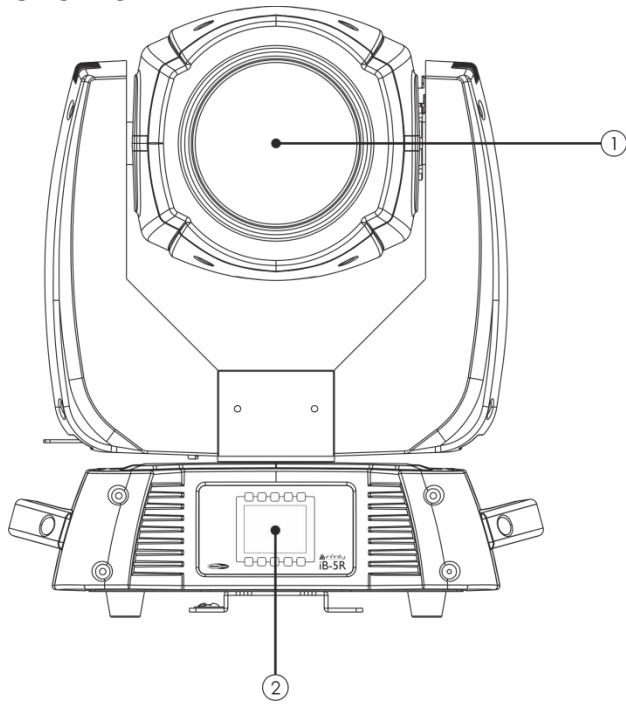D7030 – Case for 2 x iS-200/iB-5R
D7235 – Case for 2 x iS-200/iB-5R

♾ **infinity**
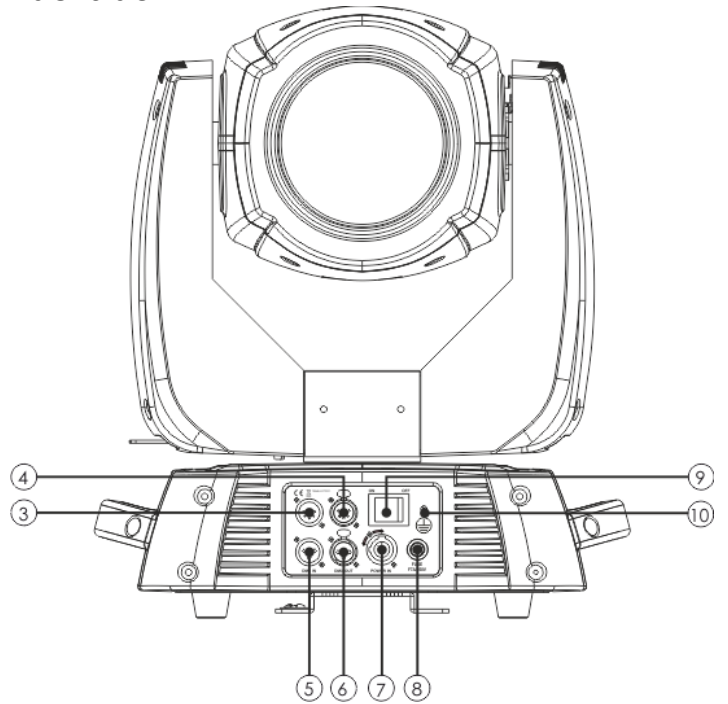INTELLIGENT LIGHT®

Overview

Backside

Fig. 01

Fig. 02

01) Lens
02) LCD display
03) DMX signal connector (IN) 5-pin
04) DMX signal connector (OUT) 5-pin
05) DMX signal connector (IN) 3-pin

06) DMX signal connector (OUT) 3-pin
07) Neutrik Powercon IN
08) Fuse F7AL/250V
09) Power switch ON/OFF
10) Ground/earth connection

NOTE: Knowledge of DMX is required to fully utilize this unit.

Installation

Remove all packing materials from the Infinity iB-5R. Check that 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.

Installing the Lamp

The Infinity iB-5R uses the Osram Sirius HRI 230W (ordercode 81014) bulb as manufactured by all popular manufacturers. Use only the appropriate lamp for your unit.
Note that, product versions that use other lamps, may be offered in the future. Check your product specification label for information.
Always disconnect from electric mains power supply before changing lamps.
The lamp has to be replaced when it is damaged or deformed due to the heat.
Do not install lamps with a higher wattage! Lamps with a higher wattage generate temperatures the device was not designed for.
Damages caused by non-observance are not subject to warranty.
Always read the safety instructions that are included with the lamp.
Oil on hands shortens the lamp life. (If you touch the bulb glass, wipe off the glass with a clean,lint-free towel and rubbing alcohol.).
Always read all the safety warnings at the beginning of this manual, before replacing the lamp!!!

⚠ **Let the lamp cool down for 20 minutes, before replacing the lamp.** ⚠

Procedure:

01) Loosen the 8 screws on both sides of the housing and remove both covers (fig. 03).
02) Push on the lamp protection. Pull the lamp out of the housing (fig. 04).
03) Gently disconnect the 2 black cables from the lamp.
04) Remove a new lamp from the box and hold it **by the base**. Read lamp instructions. **Do not touch the lamp bulb glass**. Oil on hands shortens the lamp's lifespan. If you touch the bulb glass, wipe it off with a clean, lint free towel and rubbing alcohol.
05) Connect the previously disconnected 2 black cables to the new lamp.
06) Using some force, insert the new lamp into the housing (fig. 05).
07) Replace the lamp covers and snugly fasten the previously removed 8 screws (fig. 03).
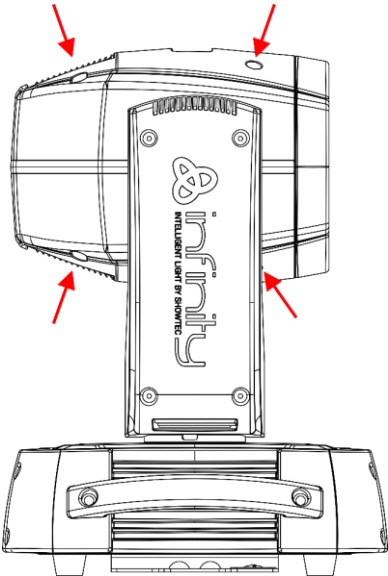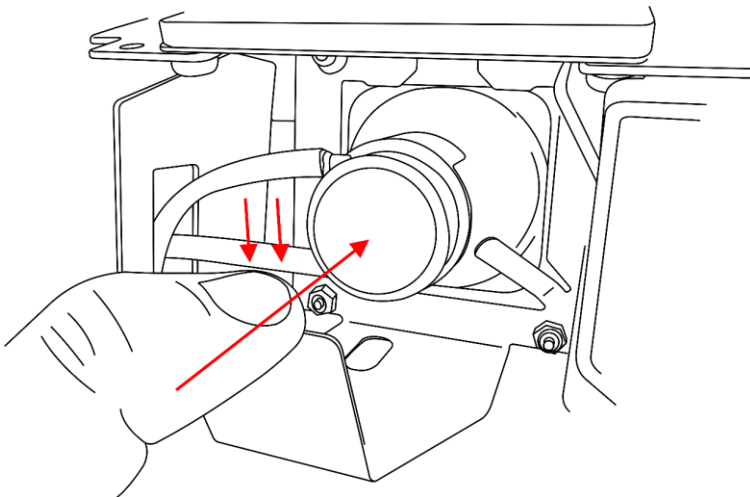

Fig. 03
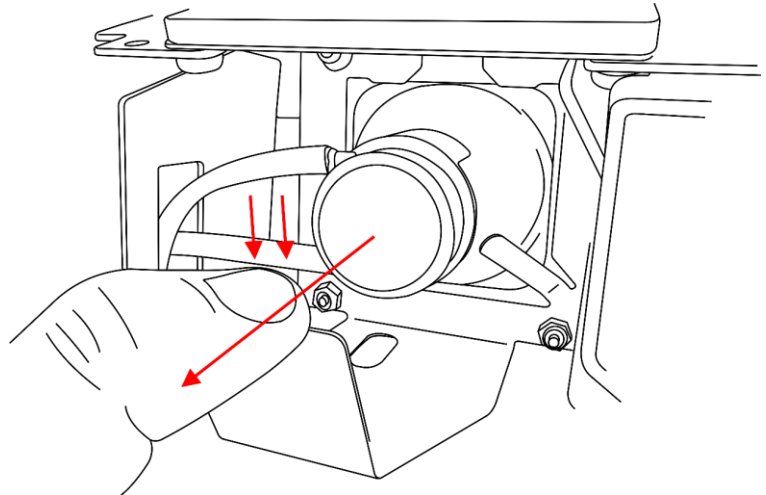
Fig. 04

Fig. 05

Lamp Adjustment

Using a screwdriver, turn the adjustment screw to adjust the lamp position. The lamp position is set in the factory. As the lamps differ from manufacturer to manufacturer, it may be necessary to readjust their position. The lamp must be readjusted if the light does not seem to be evenly distributed within the ray of light. Ignite the lamp and focus the ray of light on an even surface (wall).
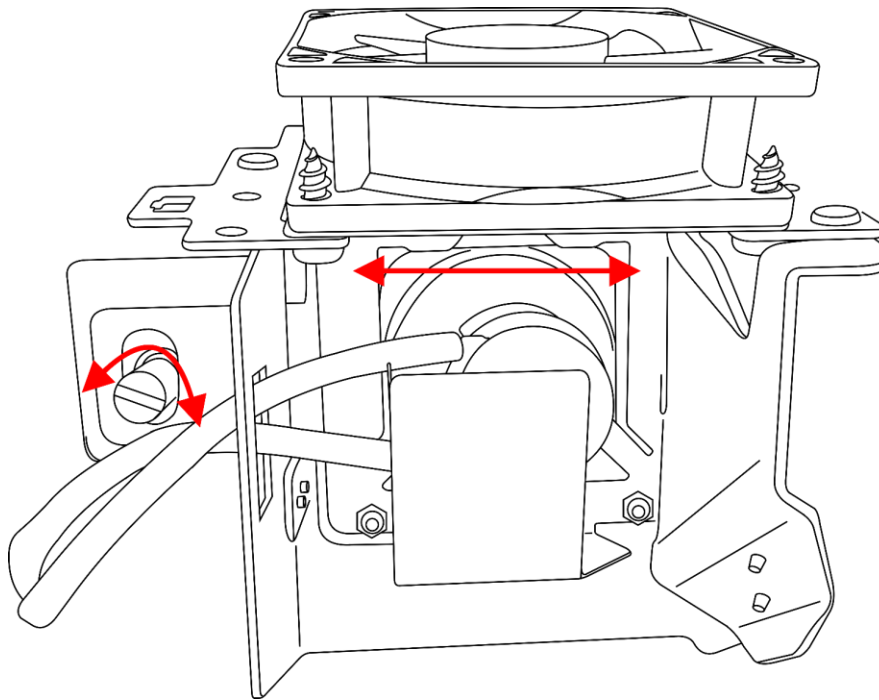

Fig. 06

Lock / Unlock the Moving-head

You can **lock** the moving head by sliding the lock pin to the left (horizontally) for **Pan** or up (vertically) for **Tilt** (**Red arrows**). You can **unlock** the moving head by sliding the lock pin to the right (horizontally) for **Pan** or down (vertically) for **Tilt** (**Green arrows**).
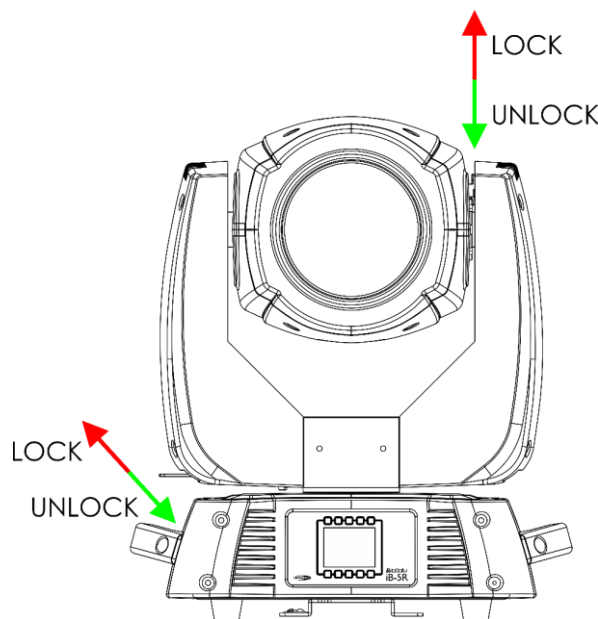

Fig. 07

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.

Control Modes

There are 3 modes:
- Stand-alone
- Master/Slave
- DMX512 (15CH, 18CH)

One Infinity (Stand-alone)
01) Fasten the effect light onto firm trussing. Leave at least 1 meter on all sides for air circulation.
02) Always use a safety cable (ordercode 70140 / 70141).
03) Plug the end of the electric mains power cord into a proper electric power supply socket.
04) When the Infinity is not connected with a DMX cable, it functions as a stand-alone device.
05) Please see page 20 for more information about the built-in programs.

Multiple Infinitys (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/5-pin XLR cable to connect the Infinity.

The pins:

01) Earth
02) Signal -
03) Signal +

03) Link the units as shown in fig. 08. 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 16-22. This means that you can set your desired operation mode on the master device and all slave devices will react the same as the master device.
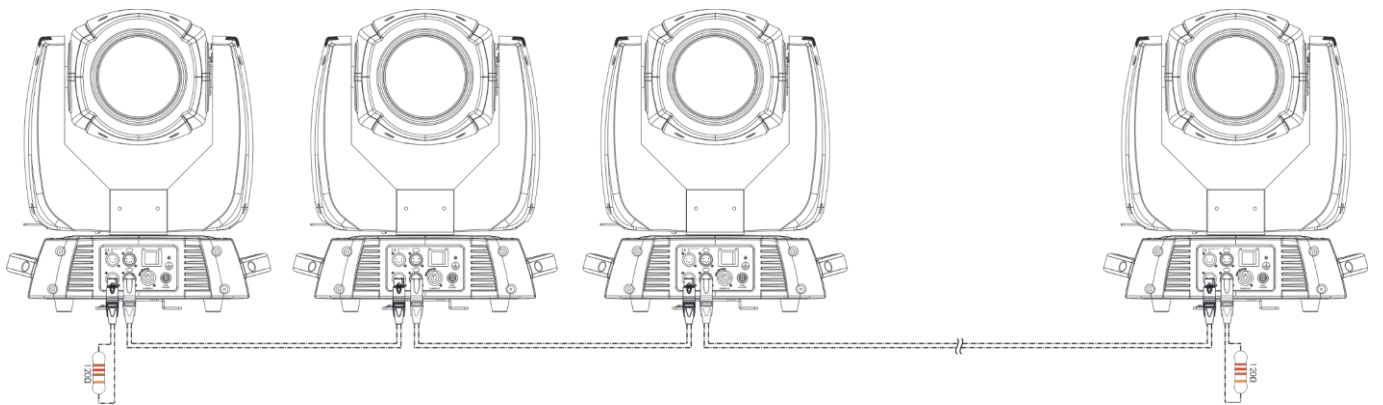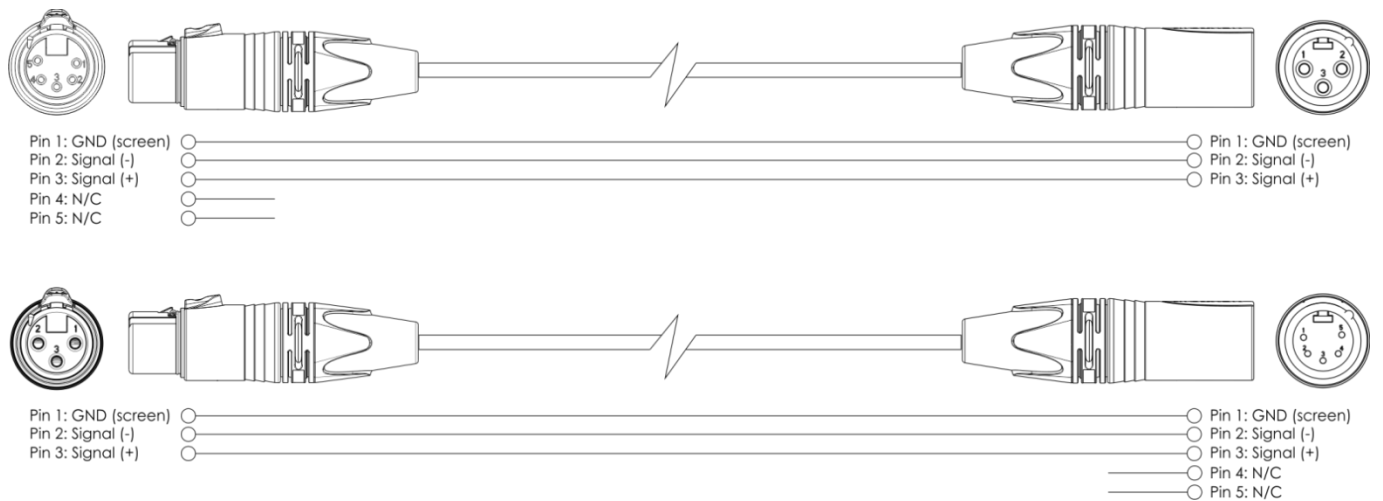
Multiple Infinitys (Master/Slave control)

Fig. 08

Multiple Infinitys (DMX Control)
01) Fasten the effect light onto firm trussing. Leave at least 1 meter on all sides for air circulation.
02) Always use a safety cable (ordercode 70140 / 70141).
03) Plug the end of the electric mains power cord into a proper electric power supply socket.
04) Use a 3-pin XLR cable to connect the Infinitys and other devices.

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

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

05) Link the units as shown in fig. 09. Connect a DMX signal cable from the first unit's DMX "out" socket to the second unit's "in" socket. Repeat this process to link the second, third, and fourth units.
06) 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.
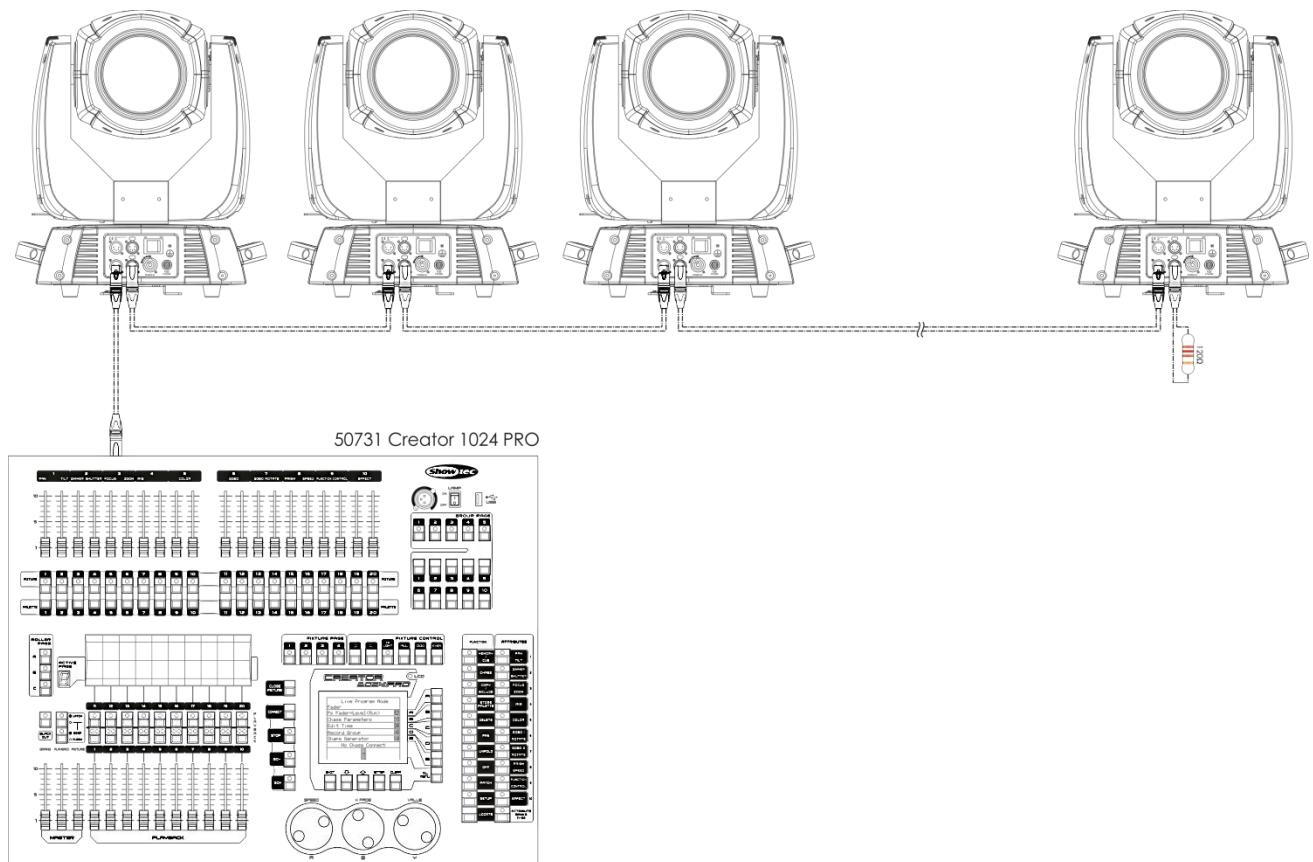
Multiple Infinitys DMX Set Up

50731 Creator 1024 PRO

Fig. 09

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 on 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 one 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 Infinitys on a DMX data link: 30 fixtures
Maximum recommended number of Infinitys on a power link @110V: 2 fixtures
Maximum recommended number of Infinitys on a power link @240V: 4 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).
- DAP Audio data cable FL08 DMX/AES-EBU, XLR/M 5-pin > XLR/F 5-pin. **Ordercode** FL08150 (1,5 m), FL083 (3 m), FL086 (6 m), FL0810 (10 m), FL0820 (20 m).
- DAP Audio DMX adapter: 5-pin/3-pin. **Ordercode** FLA29.
- DAP Audio DMX adapter: 3-pin/5-pin. **Ordercode** FLA30.

The Infinity can be operated with a controller in **control mode** or without the controller in **stand-alone mode**.
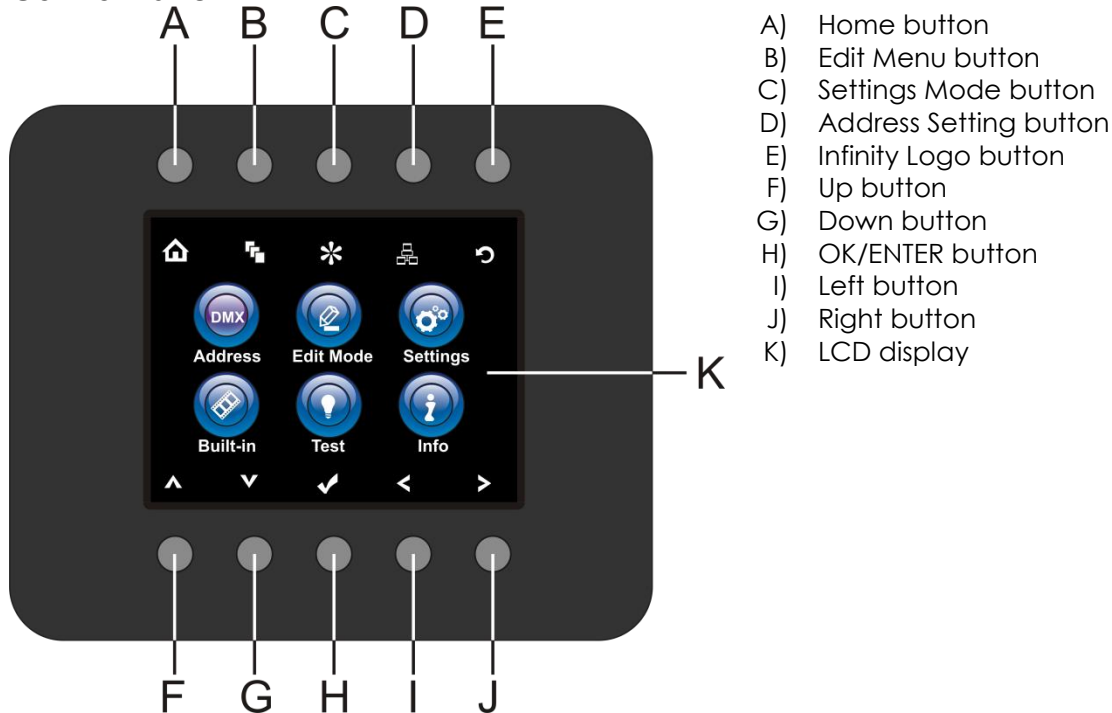
Control Panel

A B C D E

A) Home button
B) Edit Menu button
C) Settings Mode button
D) Address Setting button
E) Infinity Logo button
F) Up button
G) Down button
H) OK/ENTER button
I) Left button
J) Right button
K) LCD display

F G H I J

Fig. 10

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 **18** channels.
When using multiple Infinitys, 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+18=19 (019)**; the DMX address of the third Infinity should be **19+18=37 (037)**, etc.
Please, be sure that you don't have any overlapping channels in order to control each Infinity correctly.
If two or more Infinity's 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.
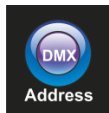
Note: It's necessary to insert a XLR termination plug (with 120 Ohm) in the last fixture in order to ensure proper transmission on the DMX data link.
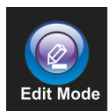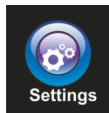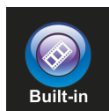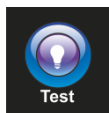
Menu Overview

Main Menu Options

DMX address

Edit Mode

Settings Menu

Built-in Programs

Test Mode

Info

🏠	Home		⋀	Up
	Edit Menu		⋁	Down
✳	Setting Mode		✔	OK
	Address Setting		‹	Left
↺	Infinity Logo		›	Right

1. DMX Addressing
With this menu you can set the DMX address.

01) Press the ⊟ button or press the ‹ › ⋀ ⋁ buttons to select **Address**.

02) Now you can adjust the device's DMX settings.

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

04) Press the ‹ › and/or ⋀ ⋁ buttons to select the required address from **001** Up/Down **512**.

05) Once you have set the desired DMX address, press the ✔ button to store the settings.

2. Edit Mode

With this menu you can set your desired mode.

01) Press the 🏠 button or press the ◄ ► ▲ ▼ buttons to select **Edit Mode**.

02) Press the ✔ button, to confirm. You can choose one of the 3 available modes.

03) Press the ▲ ▼ buttons to select the required mode:

DMX MODE 15(CH)	YES
DMX MODE 18(CH)	NO
MASTER MODE	NO

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 and select **Settings**.

02) Press the ✔ button, to confirm. You can choose 16 different modes.
Press the **UP/DOWN** buttons to select the required mode:

Life time reset

Time counter	00001
Total life time	00001
Set password	

Password

Old password	00000
New password	00000
Confirm new password	00000

Settings

Pan Reverse	YES
Tilt Reverse	NO
Screen Reverse	NO
Auto Screen. Re	NO
Pan Angle	540
Tilt Angle	270
BL.0.P/T Move	NO
BL.0.Color Move	NO
BL.0.Gobo Move	NO
Wireless Enable	NO
Wireless Unlink	NO
Life Time	
Lamp Settings	
Maintenance Timer	
Reset Function	
Factory Settings	NO

Lamp Setting

On/Off	ON
State/Power On	ON
Off via DMX	NO
On if DMX On	NO
Off if DMX Off	NO
Ignition Delay	000
Low Power Delay	000
Reset Lamp Time	NO

Maintenance Timer

| Interval | 250 |
| Remain Time | 248 |

Reset Functions

Pan/Tilt	YES
Shutter/Prism	NO
Color	NO
Gobo	NO
Zoom/Frost/Focus	NO
All	NO

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03) Once you have selected the desired mode, press the [<] [>] buttons to change the value from NO to YES.

04) A couple of menus have more options than the regular YES or NO function:
- Pan Angle: 540°, 360°, 180°
- Tilt Angle: 270°, 180°, 90°

3.1. 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 selection menu.

04) Press the [<] [>] buttons to choose either YES or NO. Press the [✔] button to confirm.

3.1.1. 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:

Password
Old password   00000
New password   00000
Confirm new password   00000
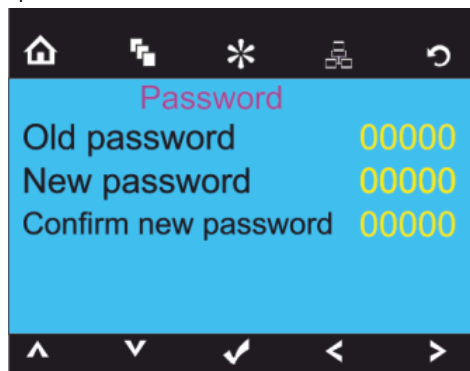
03) Press the [<] [>] buttons to select the digit which you want to edit.

04) Press the [∧] [∨] buttons to adjust the values.

3.2. Lamp Settings

With this menu you can set the lamp settings.

01) Press the ⋀ ⋁ buttons to select LAMP SETTINGS and press the ✔ button to open the menu.

02) You can now adjust the following options:
- ON/OFF (Set whether the lamp is ON/OFF, on start-up)
- STATE/POWER ON (Set whether the lamp is ON, once electrical power is received)
- OFF VIA DMX (Switch the lamp ON via DMX)
- ON IF DMX ON (The lamp is ON when a DMX signal is received)
- OFF IF DMX OFF (The lamp is OFF when no DMX signal is received)
- IGNITION DELAY (0-255, Lamp trigger delay)
- LOW POWER DELAY (0-255)
- RESET LAMP TIME (YES/NO)

03) Once you have chosen the desired option, press the ✔ button to enter edition mode.

04) Press the ⋖ ⋗ buttons to select YES or NO and press the ✔ button again, to confirm.

3.3. Maintenance Timer

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

01) Press the ⋀ ⋁ buttons to select MAINTENANCE TIMER and press the ✔ button to open the menu.

02) Press the ⋀ ⋁ buttons to choose one of the 2 options:
- INTERVAL (0-250, maintenance interval)
- REMAIN TIME (NO-RESET, countdown)

03) If you select INTERVAL, press the ✔ button to open the selection menu.

04) Press the ⋖ ⋗ buttons to set the maintenance interval. The adjustment range is between 0-250.

05) Press the ✔ button to confirm.

06) If you select REMAIN TIME, press the ✔ button to open the selection menu.

07) Press the ⋖ ⋗ buttons to set the REMAIN TIME to No/Reset.

08) Press the ✔ button to confirm.

3.4. 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 6 options:
- PAN/TILT (Pan/Tilt reset)
- SHUTTER/PRISM (shutter/prism reset)
- COLOR (color wheel reset)
- GOBO (gobo wheel reset)
- ZOOM/FROST/FOCUS (zoom/frost focus effect reset)
- ALL (complete settings reset)

03) Once you have chosen the desired option, press the ✔ button to proceed to edition mode.

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 the desired built-in program.

01) Press the ⌂ button or press the < > ∧ ∨ buttons to select [Built-in].

02) Press the ✔ button to enter the menu.

03) Press the ∧ ∨ buttons to select the desired built-in program.

Program Number 0	YES
Program Number 1	NO
Program Number 2	NO
Program Number 3	NO
Program Number 4	NO
Program Number 5	NO
Program Number 6	NO
Program Number 7	NO
Program Number 8	NO
Program Number 9	NO

04) Press the ✔ button to confirm your choice.

05) Press the < > buttons to choose either YES or NO and press the ✔ button to activate the desired built-in program.

5. Test Menu

With this menu you can set your desired mode.

01) Press the ⌂ button or press the ◄ ► ∧ ∨ buttons to select 🔵 Test .

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 ✔ button to enter edition mode.

08) Press the ◄ ► buttons to change the values from 0 to 255.

09) Once you have adjusted the desired setting, press the ✔ button to store changes and test the function.

6. System Information
With this menu you can set your desired mode.

01) Press the ⌂ button or press the ◄ ► ∧ ∨ buttons to select Info .

02) Press the ✔ button to enter the menu.

03) The display will show:

ENTER ➡

System Information	
Ver	V5
Running Mode	DMX
DMX Address	001
Lamp On Time	00002
Remain Time	00248
Total life time	00001
Time counter	00001
Temperature	046
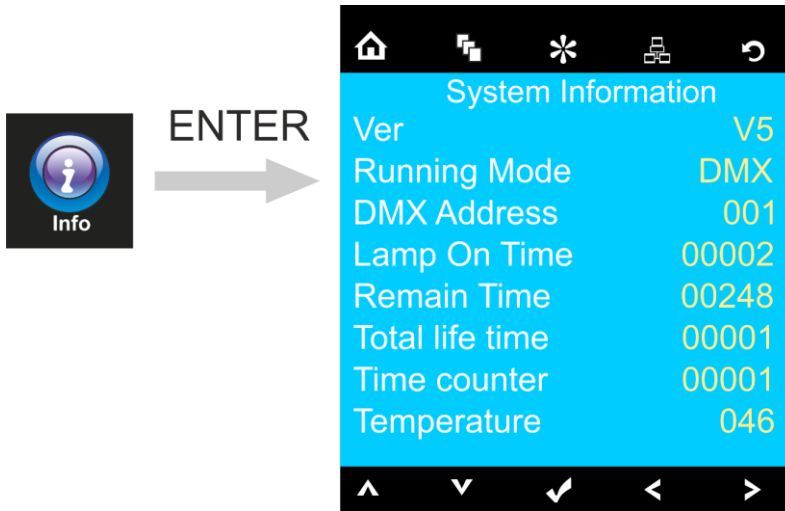
04) You can now monitor the device's status.

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DMX Channels

18 Channels (Advanced)

Channel 1 – Horizontal movement (Pan)
Move 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)
Move 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 Max Speed (0) to Min. Speed (255)

Channel 6 – Dimmer intensity ⚠ **CH8 must be open** ⚠
0-255   From black to brightest

Channel 7 – Dimmer Fine ⚠ **CH8 must be open** ⚠
0-255   From black to brightest

Channel 8 – Shutter / Strobe ⚠ **CH6 must be open** ⚠

0-7	Close
8-15	Shutter open
16-131	Strobe effect, from slow to fast (0-10 flashes/sec.)
132-167	Fast close/shutter and slow opening, from slow to fast (0-10 flashes/sec.)
168-203	Slow close/shutter and fast opening, from slow to fast (0-10 flashes/sec.)
204-239	Pulse strobe effect, from slow to fast (0-10 flashes/sec.)
240-247	Random strobe effect, from slow to fast (0-10 flashes/sec.)
248-255	Shutter open

Channel 9 – Color wheel

Linear color change following the movement of the slider. Between 128-189 and 194-255, the color-wheel rotates continuously the so-called "Rainbow" effect.

0-4	Open / White
5-8	Red
9-12	Deep Yellow/Orange
13-16	Turquoise
17-20	Green
21-24	Light Green/Yellow
25-28	Light Blue/Purple
29-32	Rose Red
33-36	Light Yellow
37-40	Pink
41-44	Blue
45-48	Warm White
49-52	½ CTO
53-56	Cool White
57-60	UV
61-66	Open/Red
67-70	Red/Deep Yellow
71-75	Deep Yellow/Turquoise
76-79	Turquoise/Green
80-83	Green/Light Green
84-88	Light Green/Light Blue
89-92	Light Blue/Rose Red
93-97	Rose Red/Light Yellow
98-101	Light Yellow/Pink
102-105	Pink/Blue
106-110	Blue/Warm White
111-114	Warm White/½ CTO
115-119	½ CTO/Cool White
120-123	Cool White/UV
124-127	UV/Open
128-189	Counterclockwise rotation (CCW) rainbow effect from fast to slow
190-193	Stop
194-255	Clockwise rotation (CW) rainbow effect from slow to fast

Channel 10 – Static Gobo-wheel + Gobo Shake

0-3	Open / White
4-6	Gobo 1
7-9	Gobo 2
10-12	Gobo 3
13-15	Gobo 4
16-18	Gobo 5
19-21	Gobo 6
22-24	Gobo 7
25-27	Gobo 8
28-30	Gobo 9
31-33	Gobo 10
34-36	Gobo 11
37-39	Gobo 12
40-42	Gobo 13
43-45	Gobo 14
46-48	Gobo 15
49-51	Gobo 16
52-55	Gobo 17
56-59	Open / White

60-63	Gobo Shake 1 from slow to fast
64-67	Gobo Shake 2 from slow to fast
68-71	Gobo Shake 3 from slow to fast
72-75	Gobo Shake 4 from slow to fast
76-79	Gobo Shake 5 from slow to fast
80-83	Gobo Shake 6 from slow to fast
84-87	Gobo Shake 7 from slow to fast
88-91	Gobo Shake 8 from slow to fast
92-95	Gobo Shake 9 from slow to fast
96-99	Gobo Shake 10 from slow to fast
100-103	Gobo Shake 11 from slow to fast
104-107	Gobo Shake 12 from slow to fast
108-111	Gobo Shake 13 from slow to fast
112-115	Gobo Shake 14 from slow to fast
116-119	Gobo Shake 15 from slow to fast
120-123	Gobo Shake 16 from slow to fast
124-127	Gobo Shake 17 from slow to fast
128-189	Clockwise rotation (CW) rainbow effect from fast to slow
190-193	Open
194-255	Counterclockwise rotation (CCW) rainbow effect from slow to fast

Channel 11 – Prism

0-4	Not functional
5-255	8-facet Prism Effect

Channel 12 – Prism rotation ⚠ **CH11 must be set between 5-255** ⚠

0-127	Prism-indexing
128-189	Counterclockwise rotation (CCW) from fast to slow
190-193	Stop
194-255	Clockwise rotation (CW) from slow to fast

Channel 13 – Prism Enlargement ⚠ **CH11 must be set between 5-255** ⚠

0-255	Prism enlargement, from small to big

Channel 14 – Focus

0-255	Gradual focus adjustment, from big to small

Channel 15 – Frost Effect

0-255	Frost effect, from OFF to FULL

Channel 16 – Channel Functions

0-29	Not functional
30-39	Regular Dim Mode
40-49	Linear Dim Mode
50-59	X/Y Fast Mode, after 3 seconds
60-69	X/Y Regular, after 3 seconds
70-79	Blackout during Pan/Tilt movement, after 3 seconds
80-89	Disable blackout during Pan/Tilt movement, after 3 seconds
90-99	Color wheel blackout during color wheel movement, after 3 seconds
100-109	Disable color wheel blackout during color wheel movement, after 3 seconds
110-119	Gobo wheel blackout during gobo wheel movement, after 3 seconds
120-129	Disable gobo wheel blackout during gobo wheel movement, after 3 seconds
130-139	Lamp On
140-149	Reset Pan/Tilt, after 3 seconds
150-159	Reset Color wheel rotation, after 3 seconds
160-169	Reset Gobo rotation, after 3 seconds

170-179	Reset Shutter/Prism, after 3 seconds
180-189	Not functional
190-199	Reset Frost Effect/Focus, after 3 seconds
200-209	Reset all, after 3 seconds
210-219	Blackout Pan/Tilt/Color wheel/Gobo wheel, after 3 seconds
220-229	Disable blackout Pan/Tilt/Color wheel/Gobo wheel, after 3 seconds
230-239	Lamp Off
240-247	X/Y Smoothing ON
248-255	X/Y Smoothing OFF

Channel 17 – Built-in Programs ⚠️ **CH6 and CH8 must be open** ⚠️

0-7	Not functional
8-15	Built-in Program 1
16-23	Built-in Program 2
24-31	Built-in Program 3
32-39	Built-in Program 4
40-47	Built-in Program 5
48-55	Built-in Program 6
56-63	Built-in Program 7
64-71	Built-in Program 8
72-79	Built-in Program 9
80-87	Built-in Program 10
88-95	Built-in Program 11
96-103	Built-in Program 12
104-111	Built-in Program 13
112-119	Built-in Program 14
120-127	Built-in Program 15
128-135	Built-in Program 16
136-143	Built-in Program 17
144-151	Built-in Program 18
152-159	Built-in Program 19
160-167	Built-in Program 20
168-175	Built-in Program 21
176-183	Built-in Program 22
184-191	Built-in Program 23
192-199	Built-in Program 24
200-207	Built-in Program 25
208-215	Built-in Program 26
216-223	Built-in Program 27
224-231	Built-in Program 28
232-239	Built-in Program 29
240-247	Built-in Program 30
248-255	Built-in Program 31

Channel 18 – Built-in program speed ⚠️ **CH17 must be set between 8-255** ⚠️

0-255	From fast to slow

15 Channels (Basic)

Channel 1 – Horizontal movement (Pan)
Move 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)
Move 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 Max Speed (0) to Min. Speed (255)

Channel 6 – Dimmer intensity ⚠ CH7 must be open ⚠

0-255	From black to brightest

Channel 7 – Shutter / Strobe ⚠ CH6 must be open ⚠

0-7	Close
8-15	Shutter open
16-131	Strobe effect, from slow to fast (0-10 flashes/sec.)
132-167	Fast close/shutter and slow opening, from slow to fast (0-10 flashes/sec.)
168-203	Slow close/shutter and fast opening, from slow to fast (0-10 flashes/sec.)
204-239	Pulse strobe effect, from slow to fast (0-10 flashes/sec.)
240-247	Random strobe effect, from slow to fast (0-10 flashes/sec.)
248-255	Shutter open

Channel 8 – Color wheel
Linear color change following the movement of the slider. Between 128-189 and 194-255, the color-wheel rotates continuously the so-called "Rainbow" effect.

0-4	Open / White
5-8	Red
9-12	Deep Yellow/Orange
13-16	Turquoise
17-20	Green
21-24	Light Green/Yellow
25-28	Light Blue/Purple
29-32	Rose Red
33-36	Light Yellow
37-40	Pink
41-44	Blue
45-48	Warm White
49-52	½ CTO
53-56	Cool White
57-60	UV
61-66	Open/Red
67-70	Red/Deep Yellow
71-75	Deep Yellow/Turquoise
76-79	Turquoise/Green
80-83	Green/Light Green
84-88	Light Green/Light Blue
89-92	Light Blue/Rose Red

93-97	Rose Red/Light Yellow
98-101	Light Yellow/Pink
102-105	Pink/Blue
106-110	Blue/Warm White
111-114	Warm White/½ CTO
115-119	½ CTO/Cool White
120-123	Cool White/UV
124-127	UV/Open
128-189	Counterclockwise rotation (CCW) rainbow effect from fast to slow
190-193	Stop
194-255	Clockwise rotation (CW) rainbow effect from slow to fast

Channel 9 – Static Gobo-wheel + Gobo Shake

0-3	Open / White
4-6	Gobo 1
7-9	Gobo 2
10-12	Gobo 3
13-15	Gobo 4
16-18	Gobo 5
19-21	Gobo 6
22-24	Gobo 7
25-27	Gobo 8
28-30	Gobo 9
31-33	Gobo 10
34-36	Gobo 11
37-39	Gobo 12
40-42	Gobo 13
43-45	Gobo 14
46-48	Gobo 15
49-51	Gobo 16
52-55	Gobo 17
56-59	Open / White
60-63	Gobo Shake 1 from slow to fast
64-67	Gobo Shake 2 from slow to fast
68-71	Gobo Shake 3 from slow to fast
72-75	Gobo Shake 4 from slow to fast
76-79	Gobo Shake 5 from slow to fast
80-83	Gobo Shake 6 from slow to fast
84-87	Gobo Shake 7 from slow to fast
88-91	Gobo Shake 8 from slow to fast
92-95	Gobo Shake 9 from slow to fast
96-99	Gobo Shake 10 from slow to fast
100-103	Gobo Shake 11 from slow to fast
104-107	Gobo Shake 12 from slow to fast
108-111	Gobo Shake 13 from slow to fast
112-115	Gobo Shake 14 from slow to fast
116-119	Gobo Shake 15 from slow to fast
120-123	Gobo Shake 16 from slow to fast
124-127	Gobo Shake 17 from slow to fast
128-189	Clockwise rotation (CW) rainbow effect from fast to slow
190-193	Open
194-255	Counterclockwise rotation (CCW) rainbow effect from slow to fast

Channel 10 – Prism

0-4	Not functional
5-255	8-facet Prism Effect

Channel 11 – Prism rotation ⚠ CH10 must be set between 5-255 ⚠

0-127	Prism-indexing
128-189	Counterclockwise rotation (CCW) from fast to slow
190-193	Stop
194-255	Clockwise rotation (CW) from slow to fast

Channel 12 – Prism Enlargement ⚠ CH10 must be set between 5-255 ⚠

0-255	Prism enlargement, from small to big

Channel 13 – Focus

0-255	Gradual focus adjustment, from big to small

Channel 14 – Frost Effect

0-255	Frost effect, from OFF to FULL

Channel 15 – Channel Functions

0-29	Not functional
30-39	Regular Dim Mode
40-49	Linear Dim Mode
50-59	X/Y Fast Mode, after 3 seconds
60-69	X/Y Regular, after 3 seconds
70-79	Blackout during Pan/Tilt movement, after 3 seconds
80-89	Disable blackout during Pan/Tilt movement, after 3 seconds
90-99	Color wheel blackout during color wheel movement, after 3 seconds
100-109	Disable color wheel blackout during color wheel movement, after 3 seconds
110-119	Gobo wheel blackout during gobo wheel movement, after 3 seconds
120-129	Disable gobo wheel blackout during gobo wheel movement, after 3 seconds
130-139	Lamp On
140-149	Reset Pan/Tilt, after 3 seconds
150-159	Reset Color wheel rotation, after 3 seconds
160-169	Reset Gobo rotation, after 3 seconds
170-179	Reset Shutter/Prism, after 3 seconds
180-189	Not functional
190-199	Reset Frost Effect/Focus, after 3 seconds
200-209	Reset all, after 3 seconds
210-219	Blackout Pan/Tilt/Color wheel/Gobo wheel, after 3 seconds
220-229	Disable blackout Pan/Tilt/Color wheel/Gobo wheel, after 3 seconds
230-239	Lamp Off
240-247	X/Y Smoothing ON
248-255	X/Y Smoothing OFF

Channel Settings

41530 Infinity IB-5R Fixture-settings

Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Function	Pan	Tilt	Pan-Fine	Tilt-Fine	Pan/Tilt Speed	Dimmer	Dimmer 16-bit	Shutter Strobe	Color wheel	Static Gobo wheel	Prism	Prism Rotation	Prism Enlargement	Focus	Frost	Functions	Built-in Programs	Program Speed

Color wheel (Channel 9):
- 194-255 CW Color Flow
- 190-193 Stop
- 128-189 CCW Color Flow
- 61-127 Split Colors
- 57-60 UV
- 53-56 Cool White
- 49-52 ½ CTO
- 45-48 Warm White
- 41-44 Blue
- 37-40 Pink
- 33-36 Light Yellow
- 29-32 Rose Red
- 25-28 Light Blue/Purple
- 21-24 Light Green/Yellow
- 17-20 Green
- 13-16 Turquoise
- 9-12 Deep Yellow/Orange
- 5-8 Red
- 0-4 White

Shutter Strobe (Channel 8):
- 255 Open
- 248 Open
- 247 Fast Random Strobe
- 240 Slow
- 239 Fast Pulse Strobe
- 204 Slow Fast Shutter Opening Slow Closing
- 203 Fast
- 168 Slow Slow Shutter Opening Fast Closing
- 167 Fast
- 132 Slow
- 131 Fast Strobe
- 16 Slow
- 15 Shutter open
- 8
- 7 Shutter closed

Functions (Channel 16):
- 250-255 XY Smoothing Off
- 240-249 XY Smoothing On
- 230-239 Lamp Off
- 220-229 Pan/Tilt/Color wheel/Gobo wheel blackout disabled
- 210-219 Pan/Tilt/Color wheel/Gobo wheel blackout
- 200-209 Reset All
- 190-199 Frost/Focus Reset
- 180-189 No Function
- 170-179 Shutter/Prism Reset
- 160-169 Gobo wheel Reset
- 150-159 Color wheel Reset
- 140-149 Pan/Tilt Reset
- 130-139 Lamp On
- 120-129 Gobo wheel blackout disabled
- 110-119 Gobo wheel blackout
- 100-109 Color blackout disabled
- 90-99 Color blackout
- 80-89 Pan/Tilt blackout disabled
- 70-79 Pan/Tilt blackout
- 60-69 XY Regular
- 50-59 XY Fast Mode
- 40-49 Linear Dim Mode
- 30-39 Regular Dim Mode
- 0-29 No Function

Built-in Programs (Channel 17):
- 248-255 Built-in Program 31
- 240-247 Built-in Program 30
- 232-239 Built-in Program 29
- 224-231 Built-in Program 28
- 216-223 Built-in Program 27
- 208-215 Built-in Program 26
- 200-207 Built-in Program 25
- 192-199 Built-in Program 24
- 184-191 Built-in Program 23
- 176-183 Built-in Program 22
- 168-175 Built-in Program 21
- 160-167 Built-in Program 20
- 152-159 Built-in Program 19
- 144-151 Built-in Program 18
- 136-143 Built-in Program 17
- 128-135 Built-in Program 16
- 120-127 Built-in Program 15
- 112-119 Built-in Program 14
- 104-111 Built-in Program 13
- 96-103 Built-in Program 12
- 88-95 Built-in Program 11
- 80-87 Built-in Program 10
- 72-79 Built-in Program 9
- 64-71 Built-in Program 8
- 56-63 Built-in Program 7
- 48-55 Built-in Program 6
- 40-47 Built-in Program 5
- 32-39 Built-in Program 4
- 24-31 Built-in Program 3
- 16-23 Built-in Program 2
- 8-15 Built-in Program 1
- 0-7 No Function

Fig. 11

Maintenance

The Infinity iB-5R 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. Wipe the front glass panel clean with glass cleaner and a soft cloth. Do not use alcohol or solvents. The front glass panel will require weekly cleaning, as smoke-fluid tends to build up residues, reducing the light output very quickly. Do not immerse in liquid.

The cooling fans, color wheel, the gobo wheel and the internal lenses 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.

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.

Changing the Lamp
01) Disconnect mains power supply.
02) Follow directions for installing a new lamp, pages 8-9.

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 screwdriver into the 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.

Static Gobo Wheel and Color Wheel

Static Gobo wheel
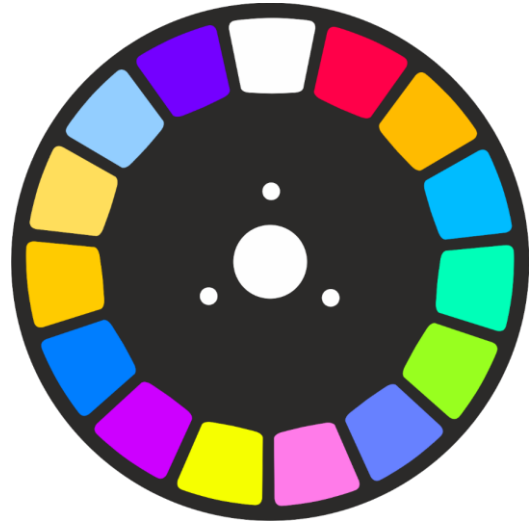
Color wheel

Troubleshooting

No Light

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.

If the light effect does not operate properly, refer servicing to a technician.

Suspect four potential problem areas as: factory reset, the power supply, the lamp, the fuse.

01) First try to reset the device to its default settings (**3-Settings Menu** see page 17).
02) Power supply. Check that the unit is plugged into an appropriate power supply.
03) The lamp. Replace the lamp. See pages 8-9 for replacing the lamp.
04) The fuse. Replace the fuse. See page 30 for replacing the fuse.
05) If all of the above appears to be O.K., plug the unit in again.
06) 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.
07) Return the device to your Infinity 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.

See next page for more problem solving.

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INTELLIGENT LIGHT®

Problem	Probable cause(s)	Remedy
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 regained: 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.
Shutter closes suddenly	The color wheel, gobo wheel or a gobo has lost its index position and the fixture is resetting the effect.	● Contact a technician for servicing the problem persists.
No light or lamp cuts out intermittently	Fixture is too hot.	● Allow fixture to cool. ● Clean fan. ● Make sure air vents and front lens are not blocked. ● Turn up the air conditioning .
	Lamp is damaged	● Disconnect fixture and replace the lamp.
	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-5R
Input Voltage:	100-240V AC
Power consumption:	385W max. at full output
Fuse:	F7AL / 250V
Dimensions:	346 x 417 x 490 mm (LxWxH)
Weight:	20,5 kg

Operation and Programming	
Signal pin OUT:	pin 1 earth, pin 2 (-), pin 3 (+)
Set Up and Addressing:	LCD control panel
Pan/Tilt resolution:	8-16 bit
DMX Channels:	15, 18 channels
Signal input:	3-pin and 5-pin XLR IN
Signal output:	3-pin and 5-pin XLR OUT

Lamp	
Allowed lamp models*:	Osram Sirius HRI 230W (8000K, 9500lm, 2500h) ordercode 81014 (included)

Electro-mechanical effects

- DMX-control via standard DMX-controller
- User-selectable Pan & Tilt ranges, 540° / 360° / 180° / 90°
- Reverse Pan / Tilt movement
- Special: Pan / Tilt movement, Color, Gobo blackout
- Pan 0° -- 540°, Tilt 0° -- 270°
- Pan/Tilt resolution: 16 bit
- Control: DMX-512, Built-in programs
- 10 Built in programs selectable by DMX
- Gobo wheel: Static gobo wheel with 17 metal gobos and open
- Gobo functions: Gobo-flow effect, Gobo shake
- Color wheel: 14 dichroic-filters and white
- Color functions: Split colors, Rainbow-flow effect
- Rotation: Bi-directional
- Prism: 8-facet prism
- Frost filter: Yes
- Color temp.: 8000K
- Lamp socket: E20.6
- Beam Angle: 1°-3,8° Electronic adjustment
- Dimmer: 0-100%
- Strobe: 0-20Hz
- Focus: Motorized focus
- Housing: Black metal & flame-retardant plastic

Gobos	
Color wheel:	heat-resistant and intensify glass; dichroic glas coating
Max. ambient temperature t_a:	40°C; Max. housing temperature t_B: 60°C
Motor:	high quality stepping-motor controlled by microprocessors

Minimum distance:	
Minimum distance from flammable surfaces:	0,5m
Minimum distance to lighted object:	12m

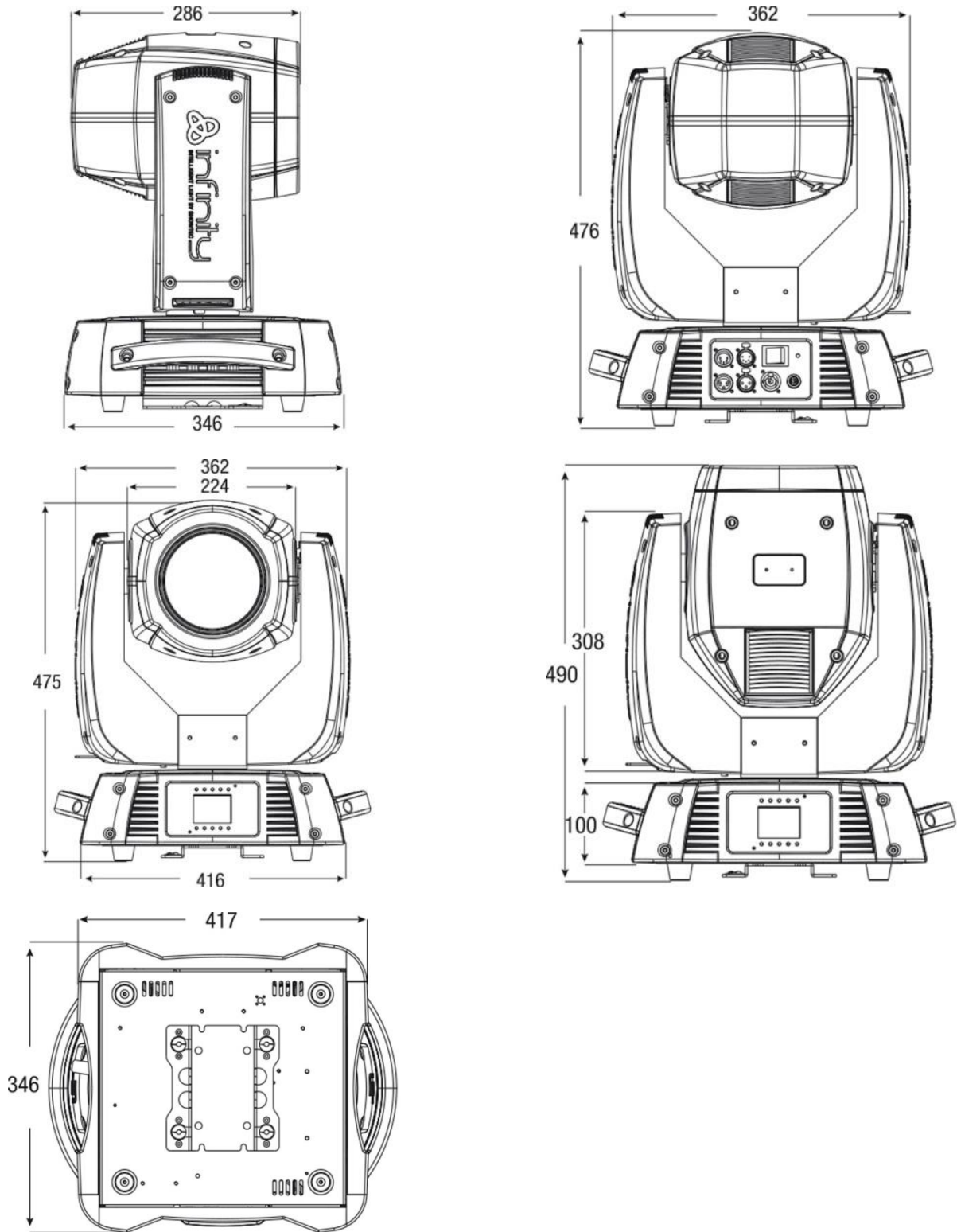*: Versions for other lamps may be produced. Please check the specification label on your product.

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

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Dimensions