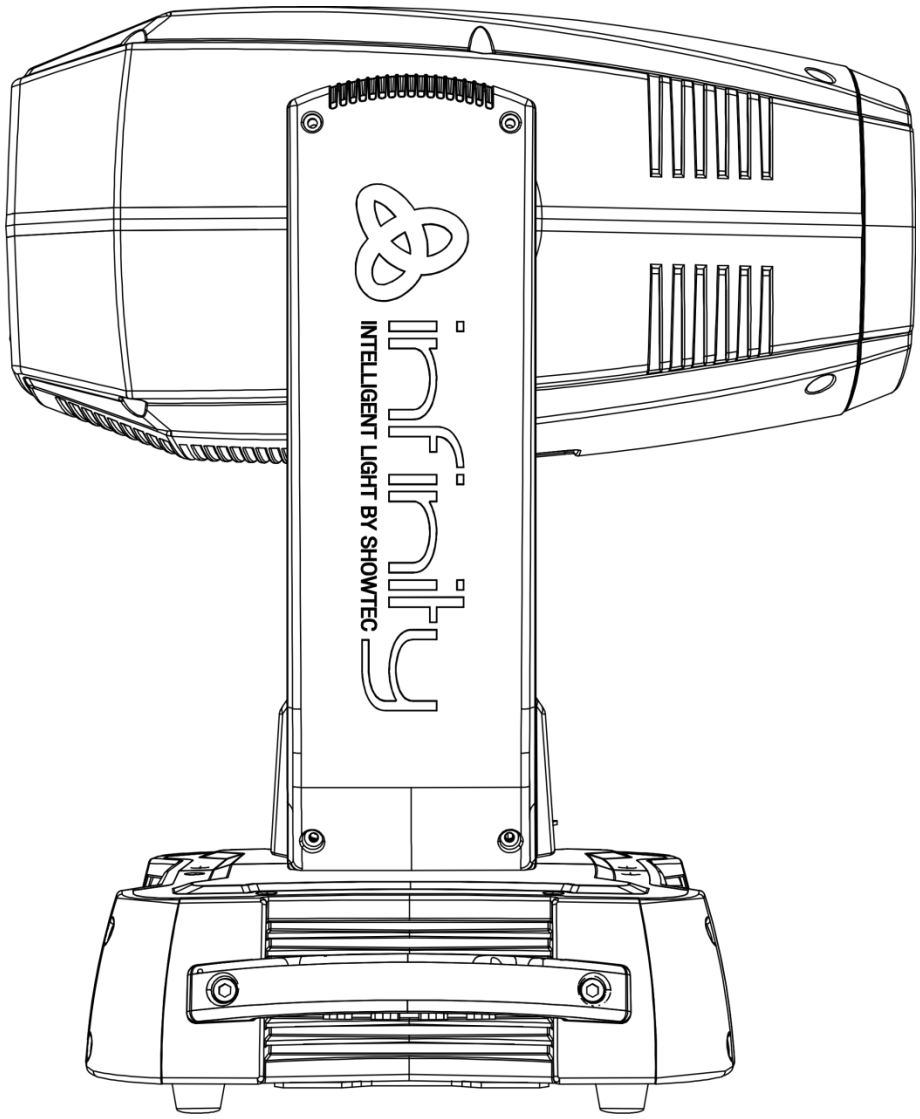
MANUAL



ENGLISH

Infinity iS-400 V1

Ordercode: 41504

Table of contents

Warning

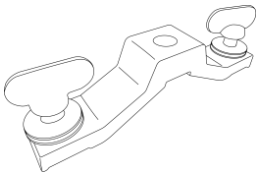
For your own safety, please read this user manual carefully before your initial start-up!

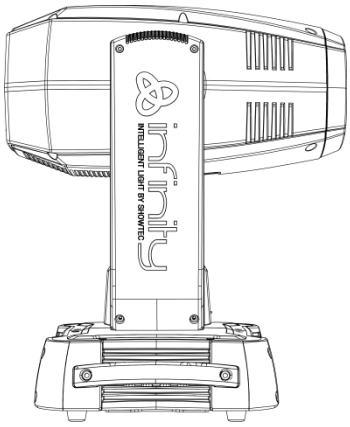
Unpacking Instructions

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 iS-400
- 2 mounting brackets with quick locks
- PowerCON cable (1,5) m
- User manual





LED Expected Lifespan

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason, when all color LEDs are used at their fullest intensity, life of the LEDs is significantly reduced. If improving 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 Infinity 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 ta = 40°C must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 40° C.
- If this device is operated in any other way than the one described in this manual, the product may suffer damages and the warranty becomes void.
- Any other operation may lead to dangers like short-circuit, burns, electric shock, crash etc.

You endanger your own safety and the safety of others!

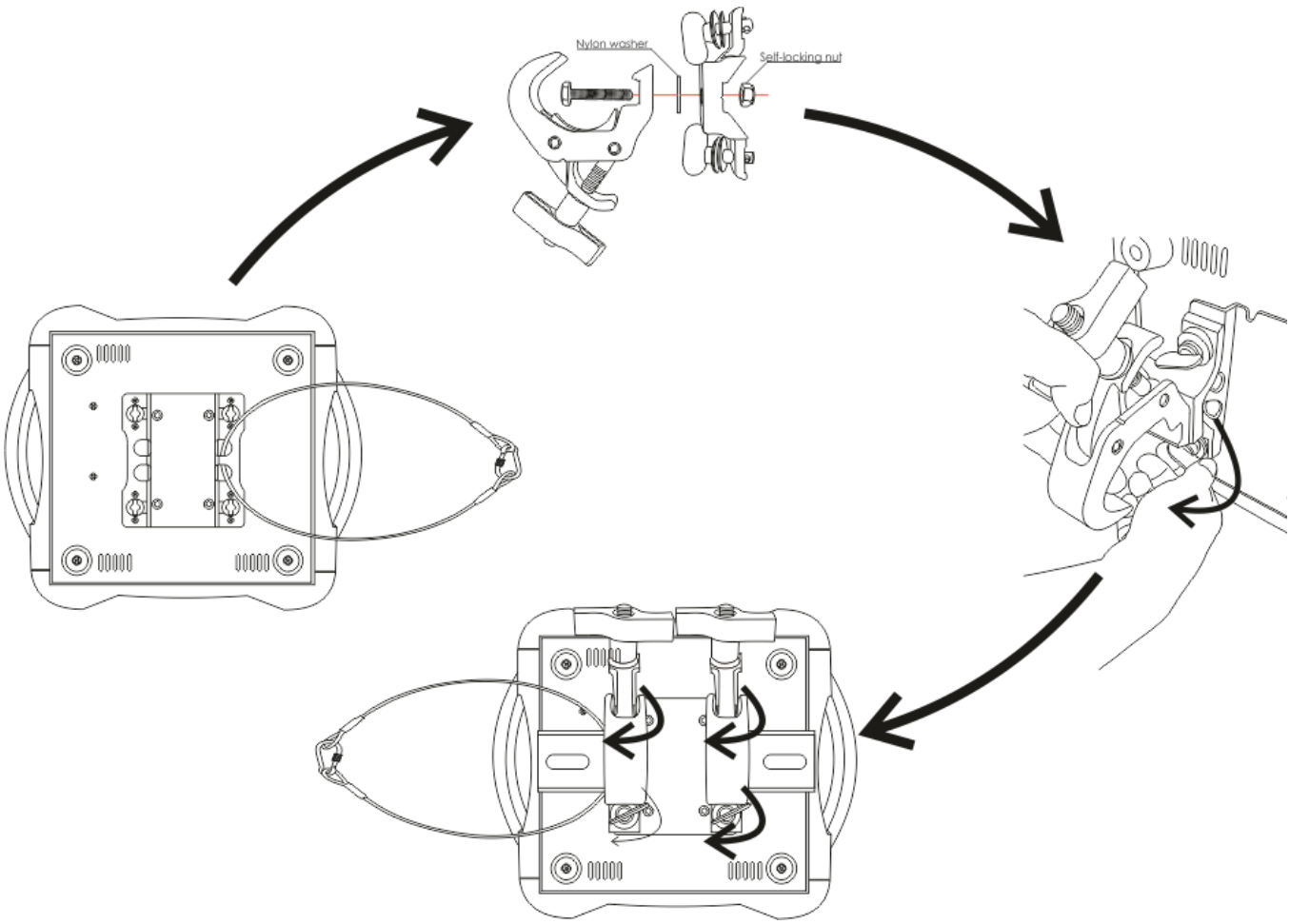
Rigging

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

Do not attempt the installation yourself!
Always 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 and/or quick locks.

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

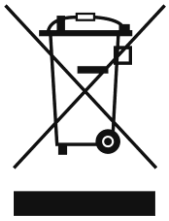
Connection with the mains

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 iS-400 is a 440W LED spot moving head with all high-end technology, which Infinity is famous for. The fixture is equipped with two rotating gobo wheels, CMY and a dichroic color wheel, CTO, prism, frost effect, 1:3 zoom range, and iris. Each gobo wheel has a special multi-colored gobo which can be combined and morphed to create amazing colorful projections and mid-air effects. Gobo wheels and color wheels can create fast color bumps and quick gobo jump effects, as well as very slow, smooth gobo rotations. The CMY system is equipped with a CTO filter and is both fast and smooth. The iris macro channel gives the light designer direct access to beam trimming effects, without the need of programming. The digital FX motion can generate effects on top of the gobo set for more dramatic projections. The iS-400 is equipped with high-grade optics and a 440Watt LED chip, which replaced 700/800W discharge fixtures.

- Input voltage: 100-240V AC, 60/50Hz
- Power consumption: 650W
- DMX channels: 28, 38 channels
- LCD display with gravity sensor
- Light source: 1 x 440W White LED (LumiEngin)
- Lux @ 5 m: 16000 (13°)
- Control modes: Stand-alone, Master/Slave, DMX-512, ArtNet
- Control protocol: DMX-512, ArtNet
- Dimmer: 0-100%
- Strobe: 0-20Hz
- Beam angle: 13° - 37°
- CMY & CTO
- Onboard: 2 x rotating gobo wheel + shake effect: 6 gobos + open
  1 x color wheel: 7 dichroic colors + white
- Pan: 540°
- Tilt: 270°
- Motorized zoom, iris, focus and frost
- 3-facet rotating prism
- Animation: Digital FX motion
- IP rating: IP20
- Housing: Metal & flame retardant plastic
- Connections: Neutrik PowerCON, 3-pin/5-pin XLR IN/OUT & RJ45 IN/OUT
- Fuse: F10AL/250V
- Dimensions: 345 x 416 x 745 mm (LxWxH)
- Weight: 33 kg

Optional accessories

MOD41504 – Wireless DMX upgrade kit

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

Frontside

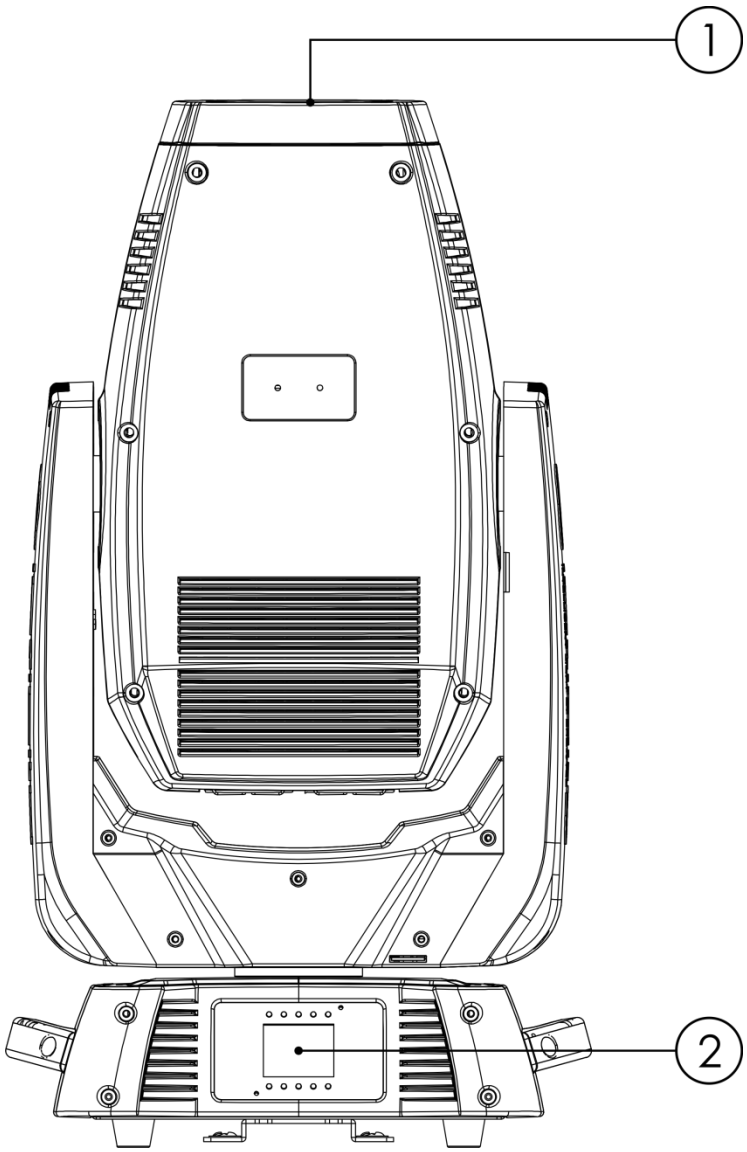


Fig. 01

01) 1 x 440W White LED
02) LCD display + menu buttons

Backside

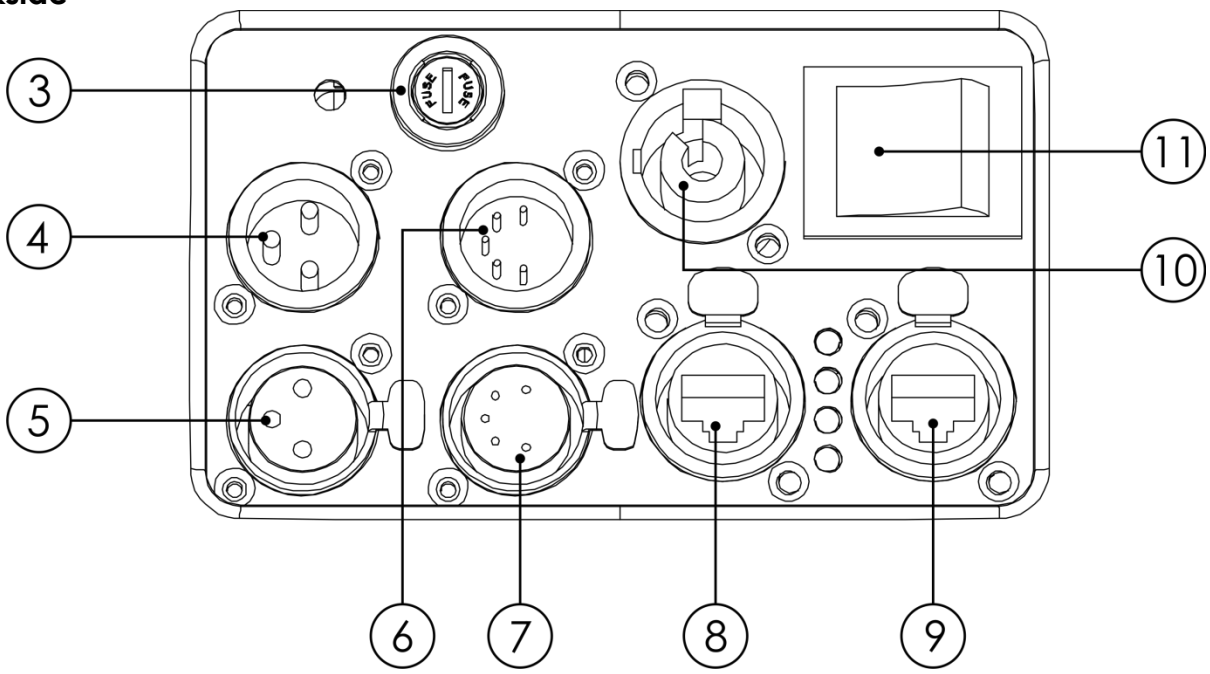


Fig. 02

03) Fuse F10AL/250V
04) 3-pin DMX signal connector IN
05) 3-pin DMX signal connector OUT
06) 5-pin DMX signal connector IN
07) 5-pin DMX signal connector OUT
08) RJ45 ArtNet signal connector IN/OUT
09) RJ45 ArtNet signal connector IN/OUT
10) PowerCON power connector 100-240V IN
11) Power switch ON/OFF

Installation

Remove all packing materials from the Infinity iS-400. 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 4 modes:

- Stand-alone
- Master/Slave
- DMX-512 (28CH, 38CH)
- ArtNet

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 18-24 for more information about the Stand-alone Mode.

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. 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 18-24. 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)

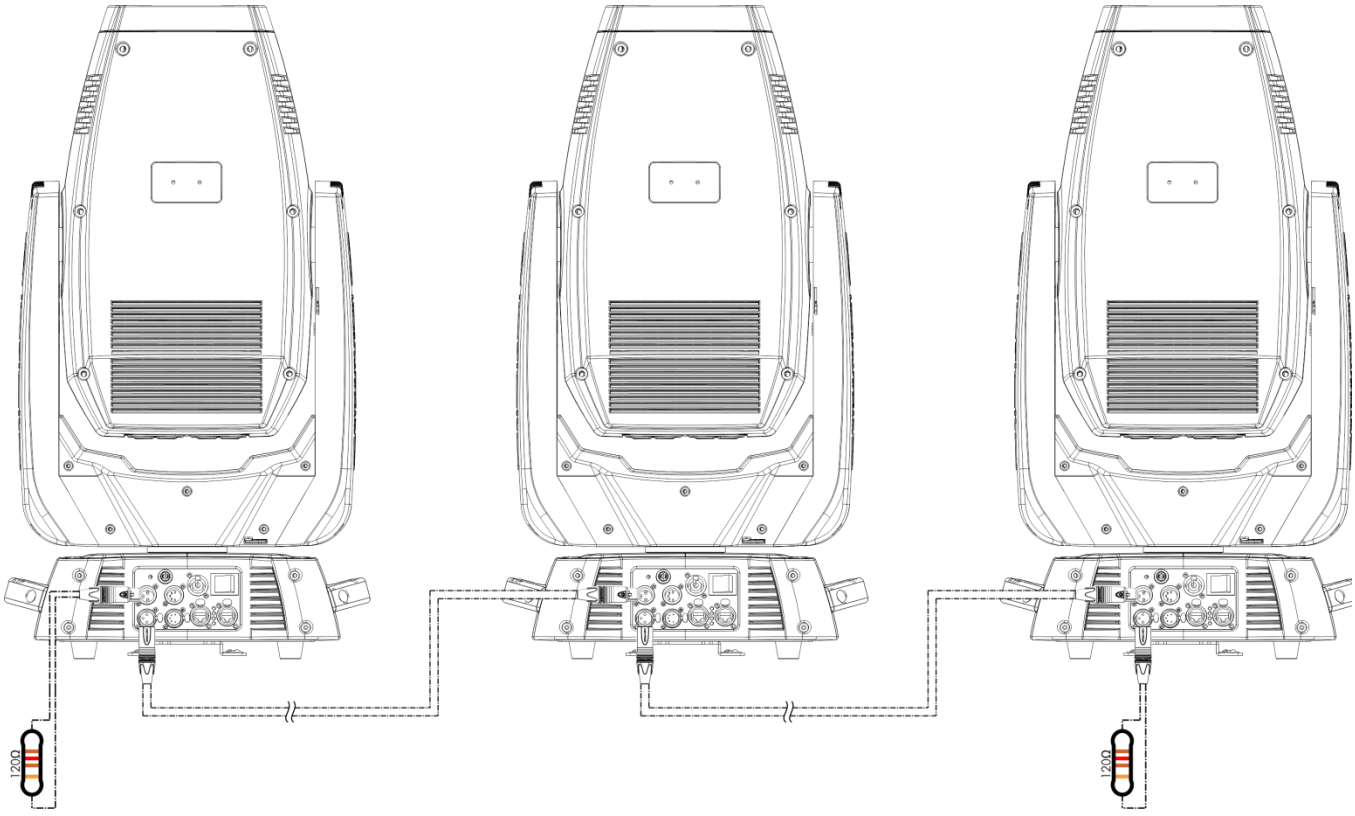
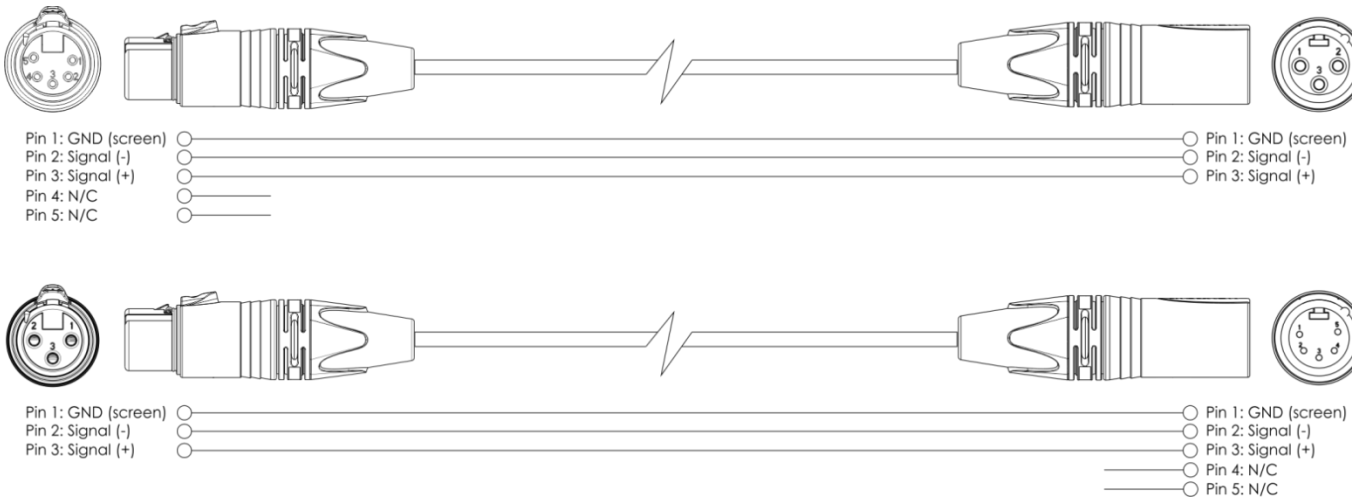


Fig. 03

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/5-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

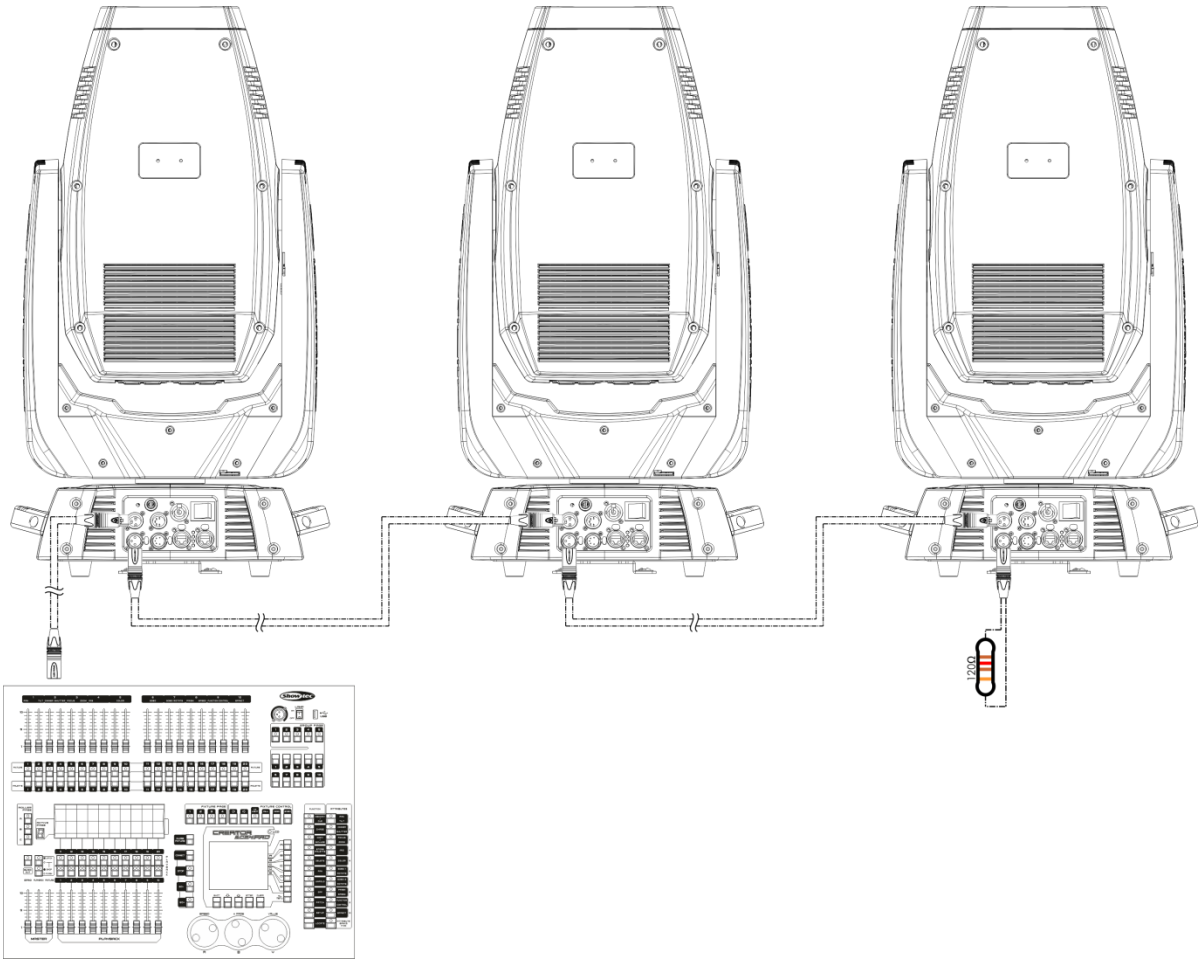


Fig. 04

Note : Link all cables before connecting electric power

Multiple Infinitys (ArtNet 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 CAT-5/CAT-6 cable to connect the Infinity and other devices.
04) Connect your PC with installed ArtNet software to the first device's RJ45 "in" socket.
05) Link the units as shown in fig. 05. Connect the first unit's RJ45 "out" socket with the second unit's "in" socket, using a CAT-5/CAT-6 cable. 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 ArtNet Set Up

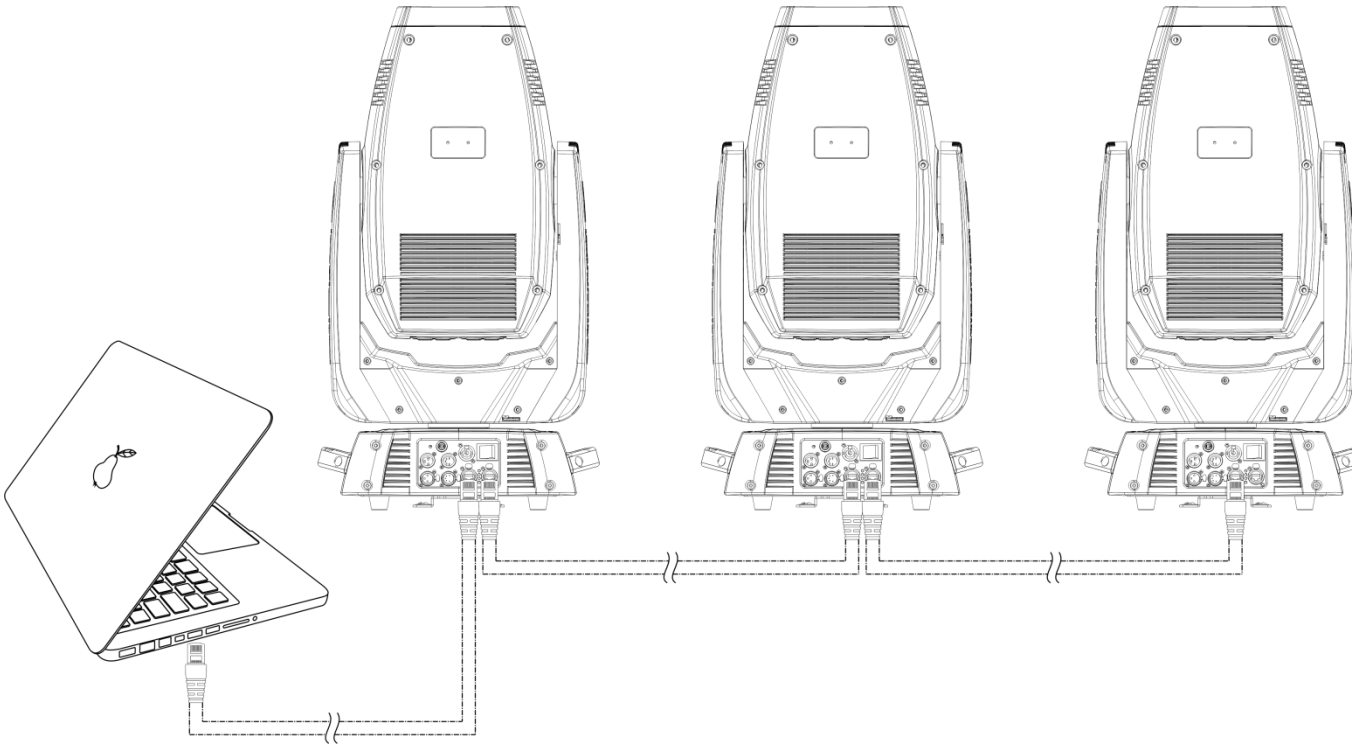


Fig. 05

Note : Link all cables before connecting electric power

Connecting to a Network

ArtNet settings

01) Install any ArtNet-based software on your PC (Windows or Mac) or use a light controller which supports ArtNet.
02) Connect the power supply to the iS-400.
03) Connect the device's Ethernet connector to your software/light controller's Ethernet connector, using a CAT-5/CAT-6 cable.
04) Set the IP address of your software/light controller to **2.x.x.x** or **10.x.x.x**, depending on the ArtNet settings.
05) Set the subnet mask to **255.0.0.0**. on both – the iS-400 and your software/light controller. Make sure that all the fixtures in the network have a **unique IP address**.
06) If you want to connect more fixtures, follow the example below.

Example:

01) Make sure that each connected iS-400 has a **unique IP address**.
02) Make sure that the subnet mask on each device is set to **255.0.0.0**.
03) Set the universe of the first iS-400 to **1**.
04) Set the first iS-400's DMX address to **001**.
05) Please note, that you can connect only 13 devices (13 x 38 channels = 494 channels needed). Due to the channel limit of 512, you cannot connect the 14th device to the same data line, as it would result in limited functionality of the 14th device.
06) In order to solve this problem, set the universe of the 14th iS-400 to **2** and its DMX address to **001**.
07) When connecting multiple devices, you can repeat steps 5 and 6 up to 255 times, each time inserting ascending universe numbers (as there are 255 universes available).
08) Using your software (for example **50224** - Arkaos Media Master Express), map all the connected devices, using the settings described above.
09) The iS-400s are now ready for use.
10) When creating large setups, it is recommended to use a 16-bit, high speed ethernet switch to distribute the ArtNet data signal.

How to make a data cable

A standard ETHERNET cable can be used to replace the data cable required to transmit the data for the iS-400.

Please follow the instructions below in order to create an extra net cable.

Take a standard net cable (CAT-5/ 5E /6) and connect it to the RJ45 connector, as shown in the picture below (fig. 06). The wires should now be colored as follows:

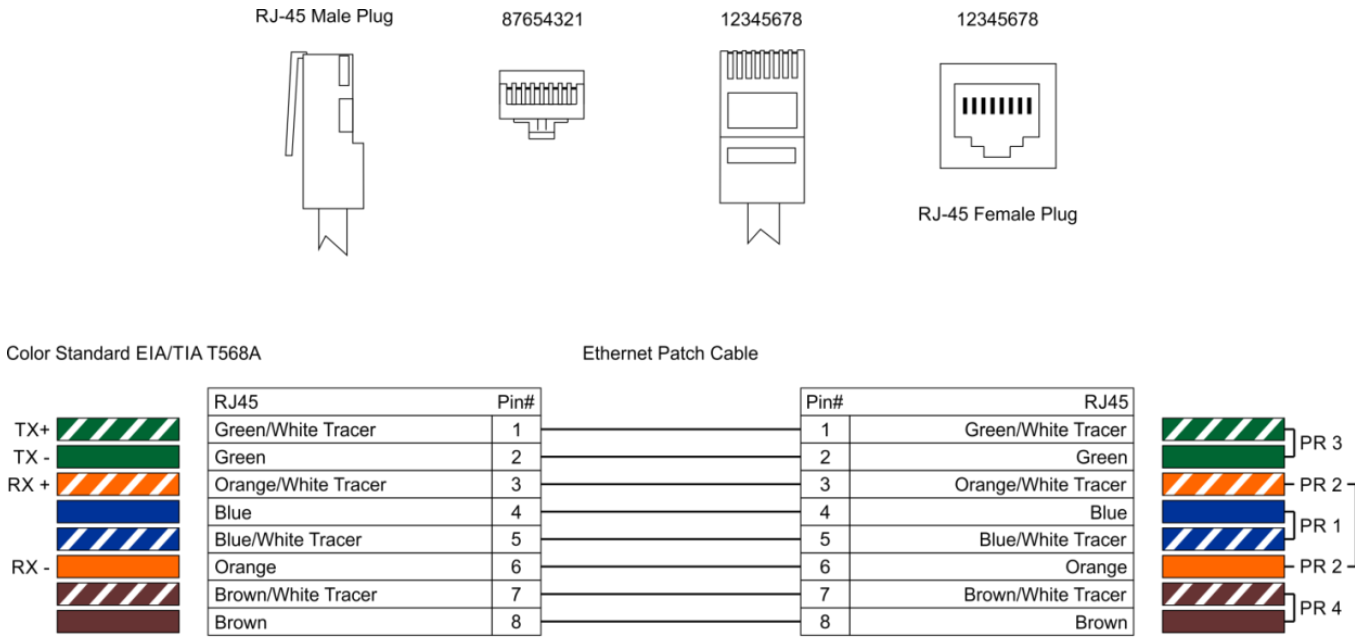


Fig. 06

Software for controlling

Connect all the devices and run your software.

50224
Arkaos Media Master Express
The latest update of the successful media server software.

502267
Arkaos Media Master Pro 4.0: PRO DMX video software for lighting designers.

Fixture Linking

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

Important: Fixtures on a serial data link must be daisy-chained in a single line. To comply with the EIA-485 standard, no more than 30 devices should be connected on one data link. Connecting more than 30 fixtures on one serial data link without the use of a DMX optically isolated splitter may result in deterioration of the digital DMX signal.
Maximum recommended DMX data link distance: 100 meters
Maximum recommended number of fixtures on a DMX data link: 30 fixtures

Data Cabling

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

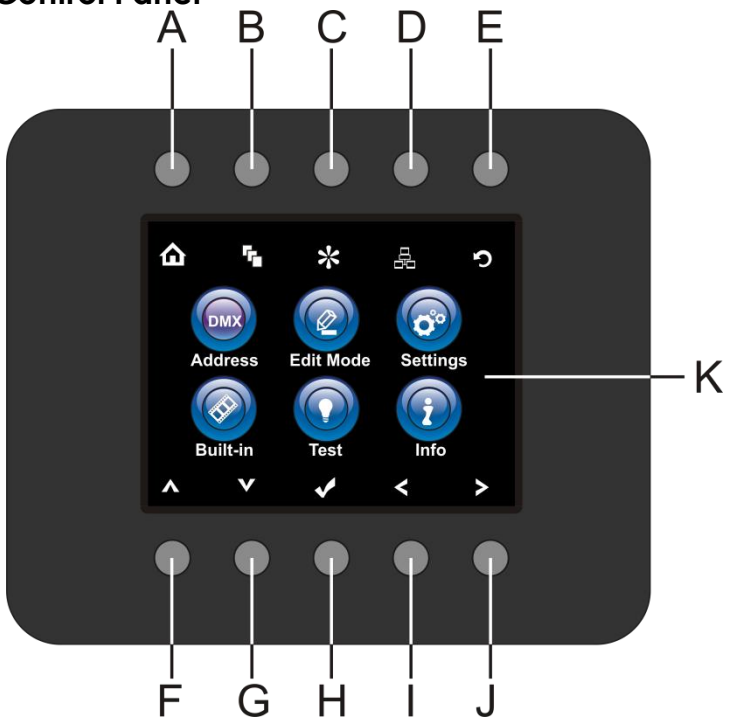
DAP Audio DMX Data Cables

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

DAP Audio PC Interface Cables

- CAT-5 cable 7,6 mm Matte blue PVC. **Ordercode** FL55150 (1,5 m), FL553 (3 m), FL556 (6 m), FL5510 (10 m), FL5515 (15 m), FL5520 (20 m).
- CAT-6 cable (recommended for best data transfer). **Ordercode** FL563 (3 m), FL566 (6 m), FL5610 (10 m), FL5615 (15 m), FL5640 (40 m).

Control Panel



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
I) Left Button
J) Right Button
K) LCD Display

Fig. 07

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 **38** 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+38=39 (039)**; the DMX address of the third Infinity should be **39+38=77 (077)**, etc.
Please, be sure that you don't have any overlapping channels in order to control each Infinity correctly.
If two or more Infinitys 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 detective, 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 40 seconds ⚠

When no button is pressed for 40 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

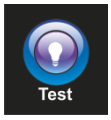
Main Menu Options

DMX address

Edit Mode

Settings Menu

Built-in Programs



Test Mode

Info

Home

Edit Menu

Setting Mode

Address Setting

Infinity Logo

Up

Down

OK

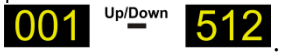
Left

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 Edit Mode.

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

03) Press the buttons to select the required channel mode:

DMX MODE 28(CH)	NO
DMX MODE 38(CH)	YES
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.

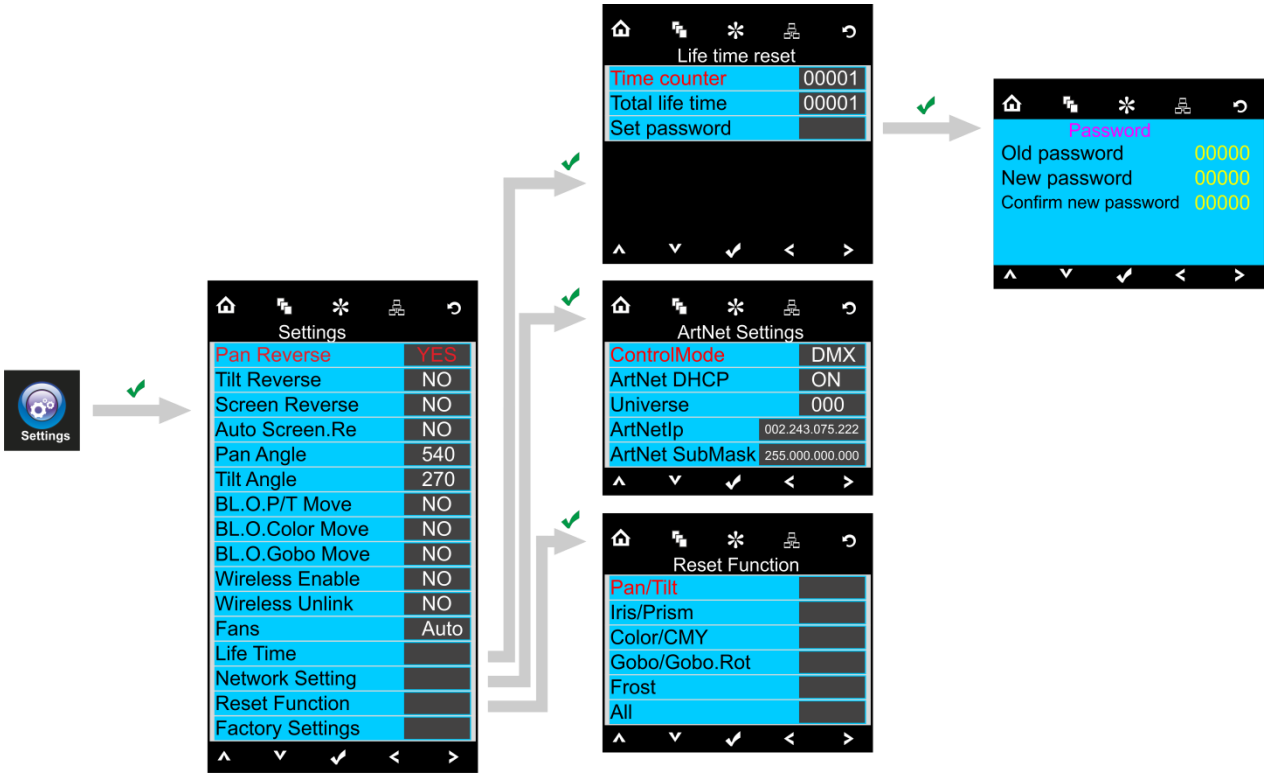
3. Settings Menu

With this menu you can set your desired mode.

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

02) Press the button, to enter the menu. You can choose from 16 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°
Fans: Auto,Silent, Full

3.1. Life Time

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

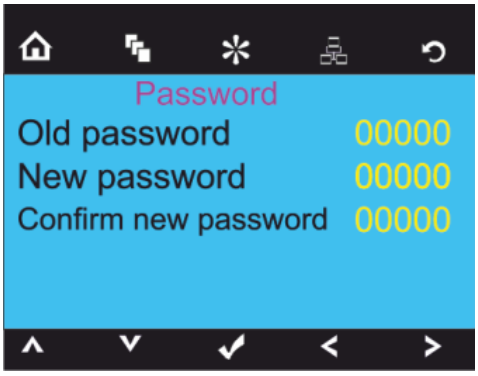
01) Press the ^ v buttons to select Life Time and press the ✓ button to open the menu.
02) Press the ^ v buttons to choose one of the 3 reset options:
- Time Counter (the time counter will be reset)
- Total Life Time (the device's operation time counter will be reset)
- Set Password

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.

3.1.1. Set Password

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

01) Press the ^ v 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 ^ v buttons to adjust the values.
05) Press the ✓ button to confirm.

3.2. Network Settings

With this menu you can set the device's network settings.

01) Press the ∧ ∨ buttons to select Network Settings and press the ✓ button to open the menu.

02) Press the ∧ ∨ buttons to choose one of the 5 settings:
- Control mode (DMX, ArtNet)
- ArtNet DHCP (Dynamic Host Configuration Protocol, ON or OFF)
- Universe (set the universe, from 0-255)
- ArtNet IP address
- ArtNet submask

03) Press the ✓ button to enter edition mode.

04) Press the < > buttons to adjust the values.

05) If you want to set the IP address or subnet mask, press the < > buttons to select the desired section of the IP address/subnet mask. Press the ∧ ∨ buttons to adjust the values.

06) Press the ✓ button to save settings.

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 (reset Pan/Tilt)
- Iris/Prism (reset iris/prism)
- Color/CMY (reset colors)
- Gobo/Gobo.Rot (reset gobos)
- Frost (reset frost effect)
- All (restore default settings)

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.

3.4. Factory Settings

With this menu you can perform a complete reset of the device's settings.

01) In Settings menu, press the ∧ ∨ buttons to select Factory Settings and press the ✓ button to open the menu.

02) Press the < > buttons to choose either YES or NO.

03) Press the ✓ button to confirm.

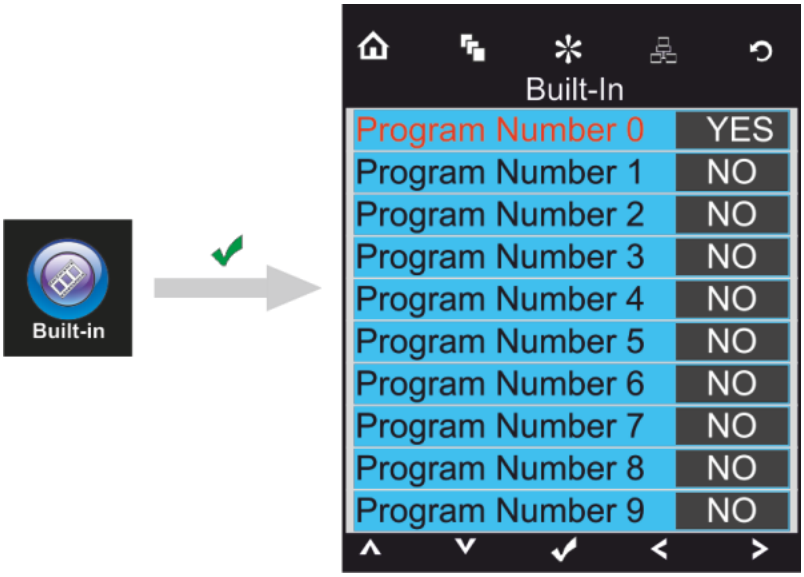
4. Built-in Programs

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

01) Press the button or press the buttons to select Built-in.

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.

06) The device will now run the chosen built-in program.

5. Test Menu

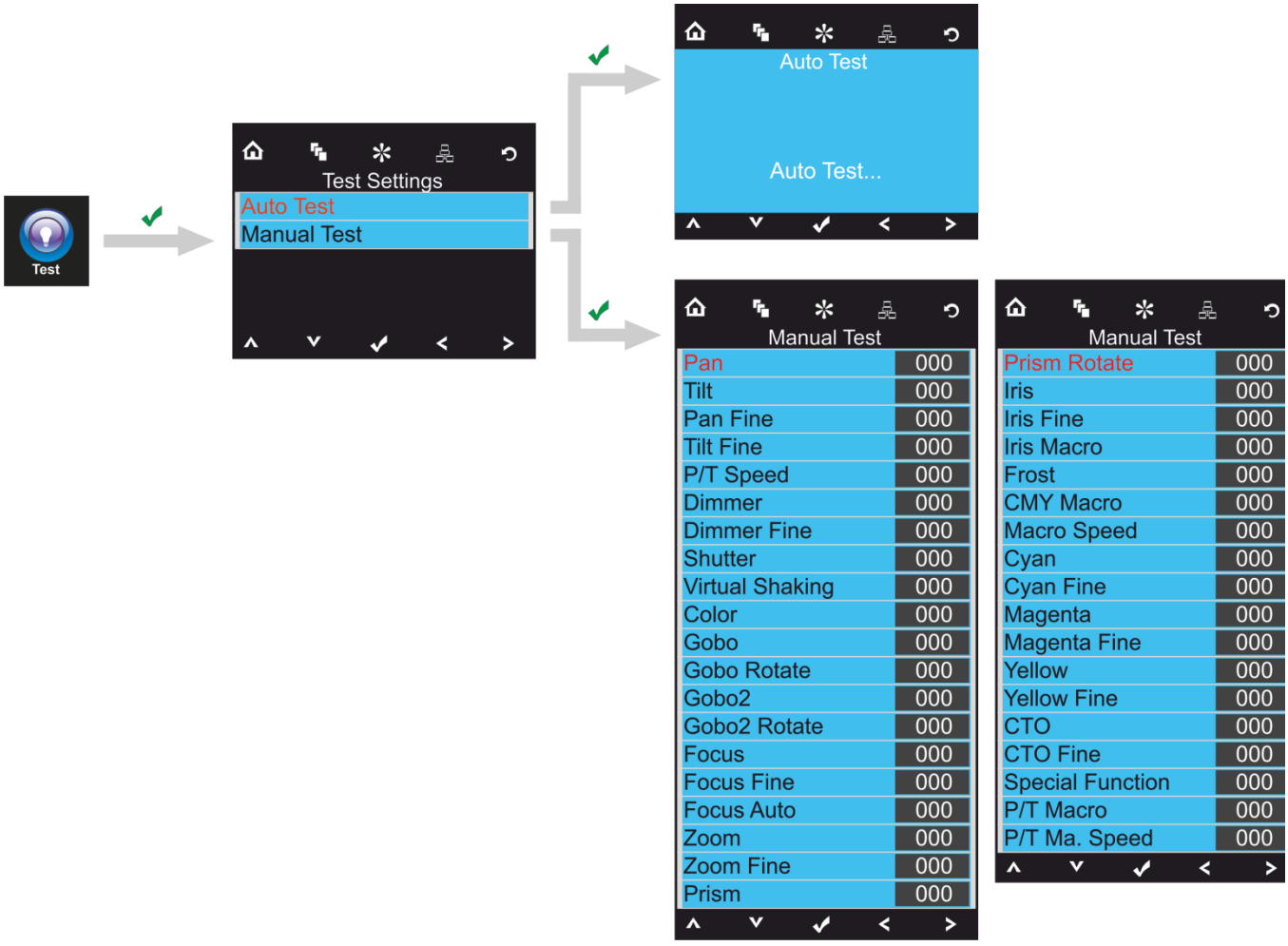
With this menu you can test the device's functions.

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.

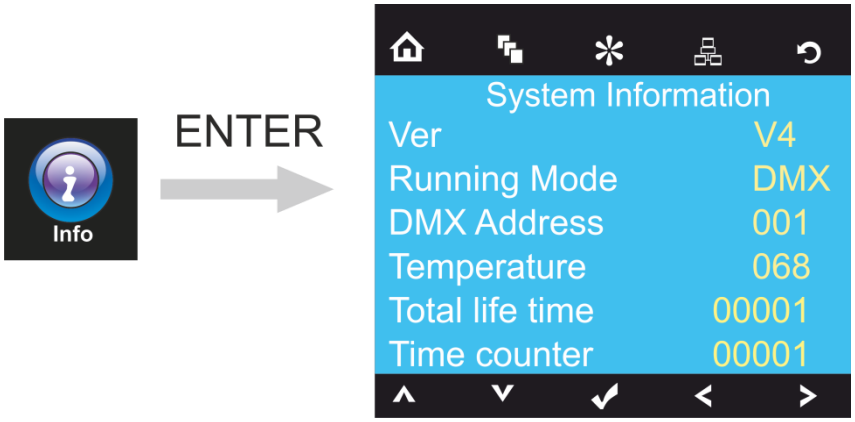
06) If you have selected Manual Test mode, press the buttons to select the desired option.

07) Press the 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 Info.
02) Press the button to enter the menu.
03) The display will show:



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

DMX Channels

28 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 – Dimmer	
0-255	Dimmer intensity, from dark to brightest

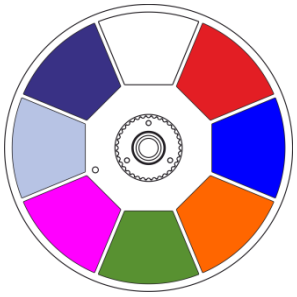
Channel 7 – Shutter/Strobe ⚠ Dimmer must be open ⚠	
0-3	Shutter closed
4-7	Shutter open
8-76	Strobe effect, from low to high frequency
77-145	Random strobe, from low to high frequency
146-215	Shutter randomly open and closed
216-255	Shutter open

Channel 8 – Virtual strobe ⚠ Dimmer and shutter must be open ⚠

0-1	Not functional
2-128	Shaking strobe, from slow to fast
129-255	Fade in/Fade out, from slow to fast

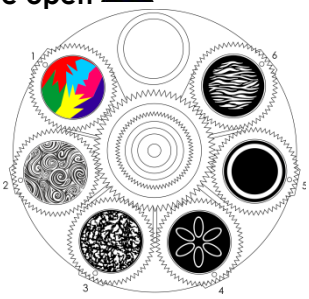
Channel 9 – Color wheel ⚠ Dimmer and shutter must be open ⚠

0-6	Open/White
7-13	Red
14-20	Blue
21-27	Orange
28-34	Green
35-41	Magenta
42-48	CTO 6500K
49-59	UV
60-187	Split colors (gradual color wheel adjustment)
188-219	Counterclockwise rotation, from fast to slow
220-223	Not functional
224-255	Clockwise rotation, from slow to fast



Channel 10 – Rotating gobo wheel 1 + Gobo Shake ⚠ Dimmer and shutter must be open ⚠

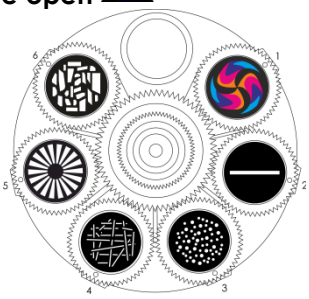
0-8	Open / White
9-17	Gobo 1
18-26	Gobo 2
27-35	Gobo 3
36-44	Gobo 4
45-53	Gobo 5
54-63	Gobo 6
64-73	Gobo 6 shake effect, from slow to fast
74-82	Gobo 5 shake effect, from slow to fast
83-91	Gobo 4 shake effect, from slow to fast
92-100	Gobo 3 shake effect, from slow to fast
101-109	Gobo 2 shake effect, from slow to fast
110-118	Gobo 1 shake effect, from slow to fast
119-127	Open / White
128-191	Clockwise rotation (CW) rainbow effect, from slow to fast
192-255	Counterclockwise rotation (CCW) rainbow effect, from slow to fast



Channel 11 – Gobo wheel 1 rotation ⚠ Dimmer and shutter must be open ⚠

0-63	Gobo indexing
64-145	Clockwise rotation (CW), from fast to slow
146-149	Stop
150-231	Counterclockwise rotation (CCW), from slow to fast
232-255	Gobo wheel bounce effect, from small to big amplitude

Channel 12 – Rotating gobo wheel 2 + Gobo Shake ⚠ Dimmer and shutter must be open ⚠



0-8	Open / White
9-17	Gobo 1
18-26	Gobo 2
27-35	Gobo 3
36-44	Gobo 4
45-53	Gobo 5
54-63	Gobo 6
64-73	Gobo 6 shake effect, from slow to fast
74-82	Gobo 5 shake effect, from slow to fast
83-91	Gobo 4 shake effect, from slow to fast
92-100	Gobo 3 shake effect, from slow to fast
101-109	Gobo 2 shake effect, from slow to fast
110-118	Gobo 1 shake effect, from slow to fast
119-127	Open / White
128-191	Clockwise rotation (CW) rainbow effect, from slow to fast
192-255	Counterclockwise rotation (CCW) rainbow effect, from slow to fast

Channel 13 – Gobo wheel 2 rotation ⚠ Dimmer and shutter must be open ⚠

0-63	Gobo indexing
64-145	Clockwise rotation (CW), from fast to slow
146-149	Stop
150-231	Counter-clockwise rotation (CCW), from slow to fast
232-255	Gobo wheel bounce effect, from small to big amplitude

Channel 14 – Focus ⚠ Dimmer and shutter must be open ⚠

0-255	Continuous adjustment, from far to near

Channel 15 – Auto Focus ⚠ Dimmer and shutter must be open ⚠

0	Not functional
1-11	Auto focus (0-5 m) gobo wheel 1
12-22	Auto focus (6 m) gobo wheel 1
23-33	Auto focus (7 m) gobo wheel 1
34-44	Auto focus (8 m) gobo wheel 1
45-55	Auto focus (9 m) gobo wheel 1
56-66	Auto focus (10 m) gobo wheel 1
67-77	Auto focus (12,5 m) gobo wheel 1
78-88	Auto focus (15 m) gobo wheel 1
89-99	Auto focus (17,5 m) gobo wheel 1
100-110	Auto focus (20-60 m) gobo wheel 1
111-127	Auto focus gobo wheel 1
128-138	Auto focus (0-5 m) gobo wheel 2
139-149	Auto focus (6 m) gobo wheel 2
150-160	Auto focus (7 m) gobo wheel 2
161-171	Auto focus (8 m) gobo wheel 2
172-182	Auto focus (9 m) gobo wheel 2
183-193	Auto focus (10 m) gobo wheel 2
194-204	Auto focus (12,5 m) gobo wheel 2
205-215	Auto focus (15 m) gobo wheel 2
216-226	Auto focus (17,5 m) gobo wheel 2
227-237	Auto focus (20-60 m) gobo wheel 2
238-255	Auto focus gobo wheel 2

Channel 16 – Zoom **Dimmer and shutter must be open**

0-255	Gradual adjustment, from big to small

Channel 17 – 3-facet Prism **Dimmer and shutter must be open**

0-4	Not functional
5-255	3-facet prism ON

Channel 18 – Prism rotation **Dimmer and shutter must be open**

0-127	Prism indexing
128-189	Clockwise rotation (CW), from fast to slow
190-193	Not functional
194-255	Counterclockwise rotation (CCW), from slow to fast

Channel 19 – Iris **Dimmer and shutter must be open**

0-255	Gradual adjustment, from open to closed

Channel 20 – Iris functions **Dimmer and shutter must be open**

0-63	Not functional
64-127	Fade-out/fade-in effect, from slow to fast
128-191	Slow fade-in/fast fade-out effect, from slow to fast
192-255	Fast fade-in/slow fade-out effect, from slow to fast

Channel 21 – Frost **Dimmer and shutter must be open**

0-255	Frost effect, from 0-100%

Channel 22 – CMY macro **Dimmer and shutter must be open**

0-9	No functional
10-255	CMY macro ON

Channel 23 – CMY macro speed **CH22 must be set between 10-255**

0-255	Macro speed adjustment, from fast to slow

Channel 24 – CMY cyan **Dimmer and shutter must be open**

0-255	Gradual adjustment CMY cyan, from 0-100%

Channel 25 – CMY magenta **Dimmer and shutter must be open**

0-255	Gradual adjustment CMY magenta, from 0-100%

Channel 26 – CMY yellow **Dimmer and shutter must be open**

0-255	Gradual adjustment CMY yellow, from 0-100%

Channel 27 – CMY CTO **Dimmer and shutter must be open**

0-255	Gradual adjustment CMY CTO, from 0-100%

Channel 28 – Functions

0-7	Not functional
8-15	Blackout during Pan/Tilt movement
16-23	Blackout during color wheel movement
24-31	Blackout during gobo wheel movement
32-39	Disable blackout during Pan/Tilt/color wheel movement

40-47	Disable blackout during Pan/Tilt/gobo wheel movement
48-55	Disable all blackout
56-95	Not functional
96-103	Reset pan
104-111	Reset tilt
112-119	Reset color wheel
120-127	Reset gobo wheel and gobo rotation
128-135	Not functional
136-143	Reset prism
144-151	Not functional
152-159	Reset all
160-167	Reset iris
168-175	Reset frost
176-183	Reset zoom
184-191	Reset CMY+CTO
192-199	Fan speed: slow
200-207	Fan speed: fast
208-215	Fan speed: auto (dependent on the device's temperature)
216-245	Not functional
246-250	Pan/Tilt slow
251-255	Pan/Tilt fast

38 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 – Dimmer	
0-255	Dimmer intensity, from dark to brightest

Channel 7 – Dimmer 16-bit	
0-255	Fine dimmer intensity, from dark to brightest

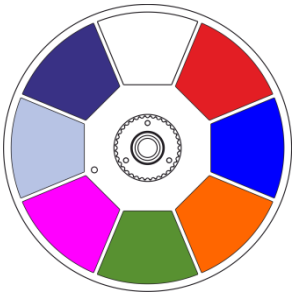
Channel 8 – Shutter/Strobe ⚠ Dimmer must be open ⚠	
0-3	Shutter closed
4-7	Shutter open
8-76	Strobe effect, from low to high frequency
77-145	Random strobe, from low to high frequency
146-215	Shutter randomly open and closed
216-255	Shutter open

Channel 9 – Virtual strobe ⚠ Dimmer and shutter must be open ⚠

0-1	Not functional
2-128	Shaking strobe, from slow to fast
129-255	Fade in/Fade out, from slow to fast

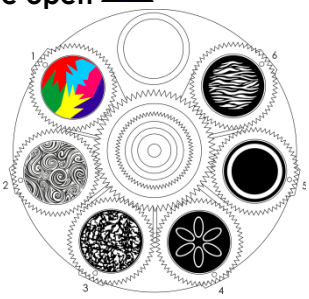
Channel 10 – Color wheel ⚠ Dimmer and shutter must be open ⚠

0-6	Open/White
7-13	Red
14-20	Blue
21-27	Orange
28-34	Green
35-41	Magenta
42-48	CTO 6500K
49-59	UV
60-187	Split colors (gradual color wheel adjustment)
188-219	Counterclockwise rotation, from fast to slow
220-223	Not functional
224-255	Clockwise rotation, from slow to fast



Channel 11 – Rotating gobo wheel 1 + Gobo Shake ⚠ Dimmer and shutter must be open ⚠

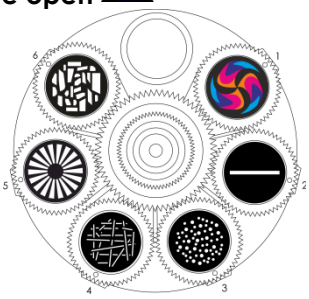
0-8	Open / White
9-17	Gobo 1
18-26	Gobo 2
27-35	Gobo 3
36-44	Gobo 4
45-53	Gobo 5
54-63	Gobo 6
64-73	Gobo 6 shake effect, from slow to fast
74-82	Gobo 5 shake effect, from slow to fast
83-91	Gobo 4 shake effect, from slow to fast
92-100	Gobo 3 shake effect, from slow to fast
101-109	Gobo 2 shake effect, from slow to fast
110-118	Gobo 1 shake effect, from slow to fast
119-127	Open / White
128-191	Clockwise rotation (CW) rainbow effect, from slow to fast
192-255	Counterclockwise rotation (CCW) rainbow effect, from slow to fast



Channel 12 – Gobo wheel 1 rotation ⚠ Dimmer and shutter must be open ⚠

0-63	Gobo indexing
64-145	Clockwise rotation (CW), from fast to slow
146-149	Stop
150-231	Counterclockwise rotation (CCW), from slow to fast
232-255	Gobo wheel bounce effect, from small to big amplitude

Channel 13 – Rotating gobo wheel 2 + Gobo Shake ⚠ Dimmer and shutter must be open ⚠



0-8	Open / White
9-17	Gobo 1
18-26	Gobo 2
27-35	Gobo 3
36-44	Gobo 4
45-53	Gobo 5
54-63	Gobo 6
64-73	Gobo 6 shake effect, from slow to fast
74-82	Gobo 5 shake effect, from slow to fast
83-91	Gobo 4 shake effect, from slow to fast
92-100	Gobo 3 shake effect, from slow to fast
101-109	Gobo 2 shake effect, from slow to fast
110-118	Gobo 1 shake effect, from slow to fast
119-127	Open / White
128-191	Clockwise rotation (CW) rainbow effect, from slow to fast
192-255	Counterclockwise rotation (CCW) rainbow effect, from slow to fast

Channel 14 – Gobo wheel 2 rotation ⚠ Dimmer and shutter must be open ⚠

0-63	Gobo indexing
64-145	Clockwise rotation (CW), from fast to slow
146-149	Stop
150-231	Counter-clockwise rotation (CCW), from slow to fast
232-255	Gobo wheel bounce effect, from small to big amplitude

Channel 15 – Focus ⚠ Dimmer and shutter must be open ⚠

0-255	Continuous adjustment, from far to near

Channel 16 – Focus Fine 16-bit ⚠ Dimmer and shutter must be open ⚠

0-255	Fine continuous adjustment

Channel 17 – Auto Focus ⚠ Dimmer and shutter must be open ⚠

0	Not functional
1-11	Auto focus (0-5 m) gobo wheel 1
12-22	Auto focus (6 m) gobo wheel 1
23-33	Auto focus (7 m) gobo wheel 1
34-44	Auto focus (8 m) gobo wheel 1
45-55	Auto focus (9 m) gobo wheel 1
56-66	Auto focus (10 m) gobo wheel 1
67-77	Auto focus (12,5 m) gobo wheel 1
78-88	Auto focus (15 m) gobo wheel 1
89-99	Auto focus (17,5 m) gobo wheel 1
100-110	Auto focus (20-60 m) gobo wheel 1
111-127	Auto focus gobo wheel 1
128-138	Auto focus (0-5 m) gobo wheel 2
139-149	Auto focus (6 m) gobo wheel 2
150-160	Auto focus (7 m) gobo wheel 2
161-171	Auto focus (8 m) gobo wheel 2
172-182	Auto focus (9 m) gobo wheel 2
183-193	Auto focus (10 m) gobo wheel 2
194-204	Auto focus (12,5 m) gobo wheel 2
205-215	Auto focus (15 m) gobo wheel 2
216-226	Auto focus (17,5 m) gobo wheel 2
227-237	Auto focus (20-60 m) gobo wheel 2

238-255	Auto focus gobo wheel 2

Channel 18 – Zoom ⚠ **Dimmer and shutter must be open** ⚠

0-255	Gradual adjustment, from big to small

Channel 19 – Zoom Fine 16-bit ⚠ **Dimmer and shutter must be open** ⚠

0-255	Fine gradual adjustment

Channel 20 – 3-facet Prism ⚠ **Dimmer and shutter must be open** ⚠

0-4	Not functional
5-255	3-facet prism ON

Channel 21 – Prism rotation ⚠ **Dimmer and shutter must be open** ⚠

0-127	Prism indexing
128-189	Clockwise rotation (CW), from fast to slow
190-193	Not functional
194-255	Counterclockwise rotation (CCW), from slow to fast

Channel 22 – Iris ⚠ **Dimmer and shutter must be open** ⚠

0-255	Gradual adjustment, from open to closed

Channel 23 – Iris Fine 16-bit ⚠ **Dimmer and shutter must be open** ⚠

0-255	Fine gradual adjustment

Channel 24 – Iris functions ⚠ **Dimmer and shutter must be open** ⚠

0-63	Not functional
64-127	Fade-out/fade-in effect, from slow to fast
128-191	Slow fade-in/fast fade-out effect, from slow to fast
192-255	Fast fade-in/slow fade-out effect, from slow to fast

Channel 25 – Frost ⚠ **Dimmer and shutter must be open** ⚠

0-255	Frost effect, from 0-100%

Channel 26 – CMY macro ⚠ **Dimmer and shutter must be open** ⚠

0-9	No functional
10-255	CMY macro ON

Channel 27 – CMY macro speed ⚠ **CH26 must be set between 10-255** ⚠

0-255	Macro speed adjustment, from fast to slow

Channel 28 – CMY cyan ⚠ **Dimmer and shutter must be open** ⚠

0-255	Gradual adjustment CMY cyan, from 0-100%

Channel 29 – Fine CMY cyan ⚠ **Dimmer and shutter must be open** ⚠

0-255	Fine adjustment CMY cyan, from 0-100%

Channel 30 – CMY magenta ⚠ **Dimmer and shutter must be open** ⚠

0-255	Gradual adjustment CMY magenta, from 0-100%

Channel 31 – Fine CMY magenta ⚠ Dimmer and shutter must be open ⚠

0-255	Fine adjustment CMY magenta, from 0-100%

Channel 32 – CMY yellow ⚠ Dimmer and shutter must be open ⚠

0-255	Gradual adjustment CMY yellow, from 0-100%

Channel 33 – Fine CMY yellow ⚠ Dimmer and shutter must be open ⚠

0-255	Fine adjustment CMY yellow, from 0-100%

Channel 34 – CMY CTO ⚠ Dimmer and shutter must be open ⚠

0-255	Gradual adjustment CMY CTO, from 0-100%

Channel 35 – Fine CMY CTO ⚠ Dimmer and shutter must be open ⚠

0-255	Fine adjustment CMY CTO, from 0-100%

Channel 36 – Functions

0-7	Not functional
8-15	Blackout during Pan/Tilt movement
16-23	Blackout during color wheel movement
24-31	Blackout during gobo wheel movement
32-39	Disable blackout during Pan/Tilt/color wheel movement
40-47	Disable blackout during Pan/Tilt/gobo wheel movement
48-55	Disable all blackout
56-95	Not functional
96-103	Reset pan
104-111	Reset tilt
112-119	Reset color wheel
120-127	Reset gobo wheel and gobo rotation
128-135	Not functional
136-143	Reset prism
144-151	Not functional
152-159	Reset all
160-167	Reset iris
168-175	Reset frost
176-183	Reset zoom
184-191	Reset CMY+CTO
192-199	Fan speed: slow
200-207	Fan speed: fast
208-215	Fan speed: auto (dependent on the device's temperature)
216-245	Not functional
246-250	Pan/Tilt slow
251-255	Pan/Tilt fast

Channel 37 – Built-in programs

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 38 – Built-in program speed **CH37 must be set between 8-255**

0-255	Program speed adjustment, from fast to slow

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 iS-400 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.

Gobo Size

01) Disconnect mains power supply and set the switch to OFF.
02) Make sure that the gobo which you want to insert has the same size. For the right size, see below.

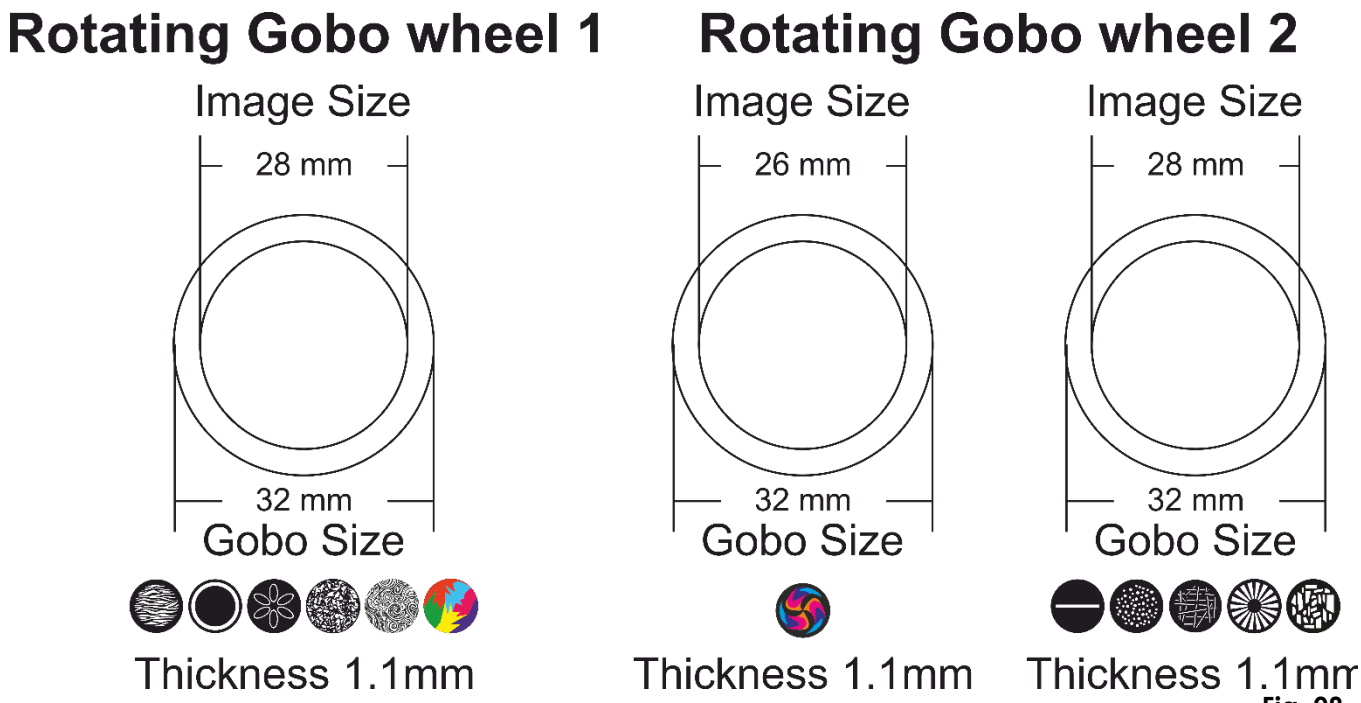


Fig. 08

Replacing a gobo from the rotating gobo wheel

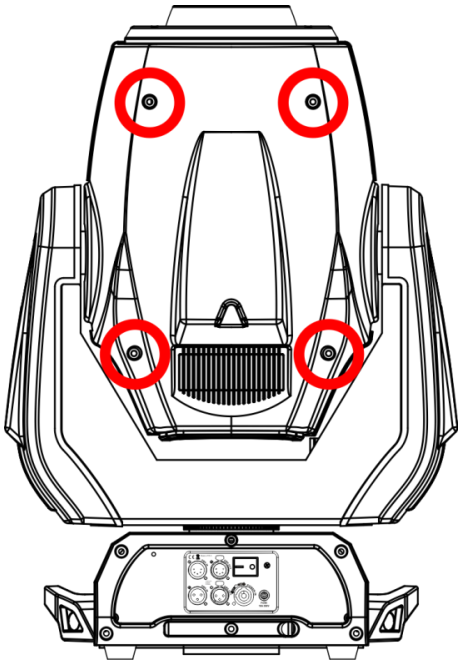


Fig. 09

01) Before removing the top part of the housing, make sure that the moving head is in the horizontal position. The lens position should be on the bottom, symmetrically speaking.
02) Loosen all the four screws on the back of the housing.
03) Gently tilt the head so that the small metal housing slides out easily.
04) Turn the gobo wheel until you reach the gobo which you want to remove.

05) Gently lift up the gobo holder 10° and then gently pull out the gobo from its position.

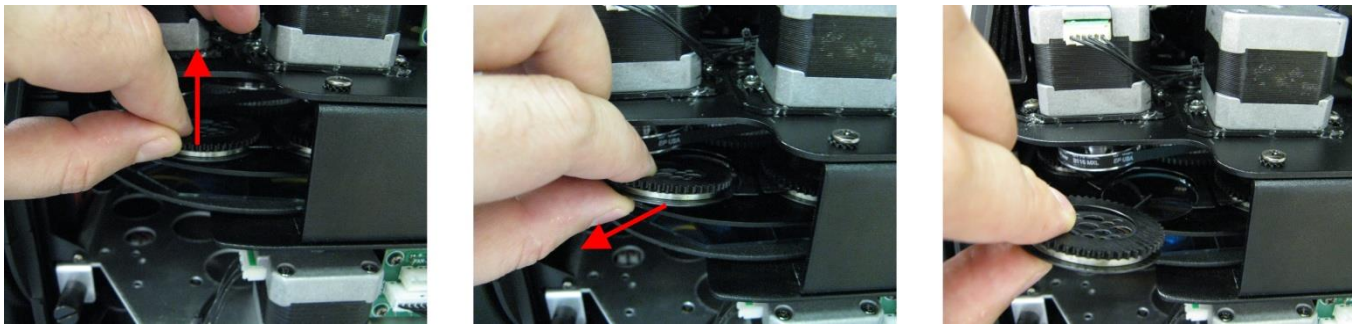


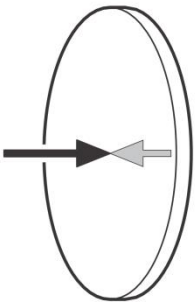
Fig. 10

06) Very carefully take the gobo out of the gobo holder with a pair of pliers.
07) Place the new gobo in the gobo holder. Carefully put the pinchcock back, gently press the pinchcock a little bit together. To do it, you can use a pair of pliers.
08) Put the gobo holder back. At first, you will notice some resistance which is caused by the way in which the holder was built.
09) Replace the maintenance caps and fasten all the screws.

Glass Gobo Orientation

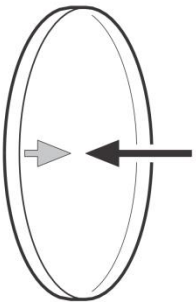
Coated glass gobos are inserted with the coating against the rim of the holder (away from the spring). Textured gobos are inserted with the smooth side against the spring. This provides the best results when combining rotating gobos.

Coated side



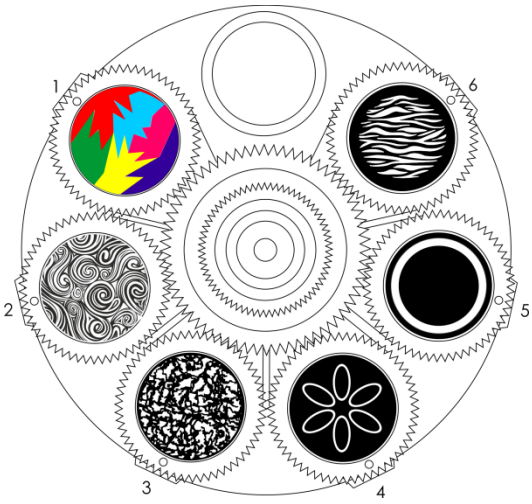
When an object is held up to the coated side, there is no space between the object and its reflection. The back edge of the gobo cannot be seen when looking through the coated side.

Uncoated side

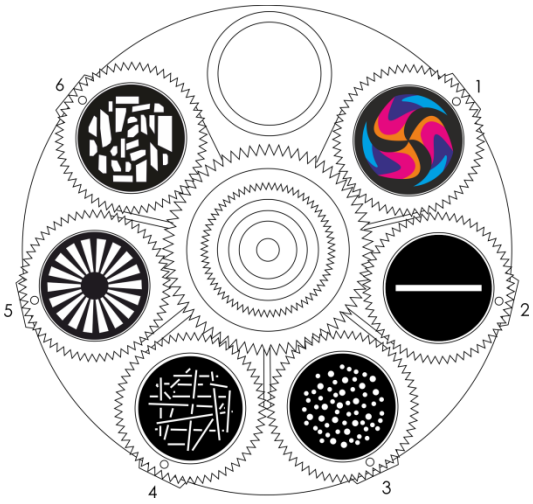


When an object is held up to the uncoated side, there is a space between the object and its reflection. The back edge of the gobo can be seen when looking through the uncoated side.

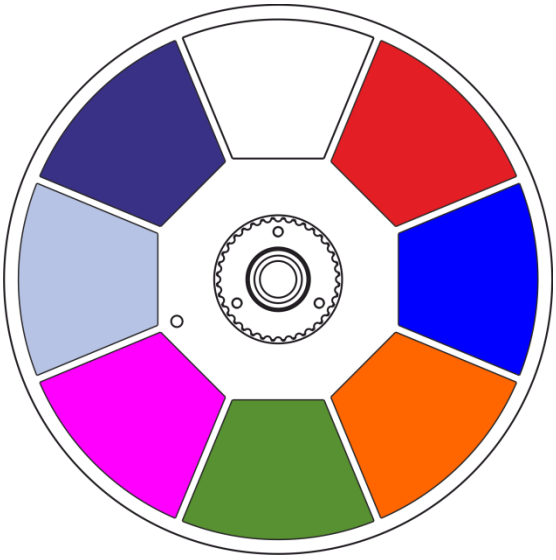
Rotating Gobo wheels and Color wheel



Rotating gobo wheel # 1



Rotating gobo wheel # 2



Color wheel

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 Infinity dealer.
03) The fuse. Replace the fuse. See page 34 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 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.

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/5-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/5-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 if the problem persists
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

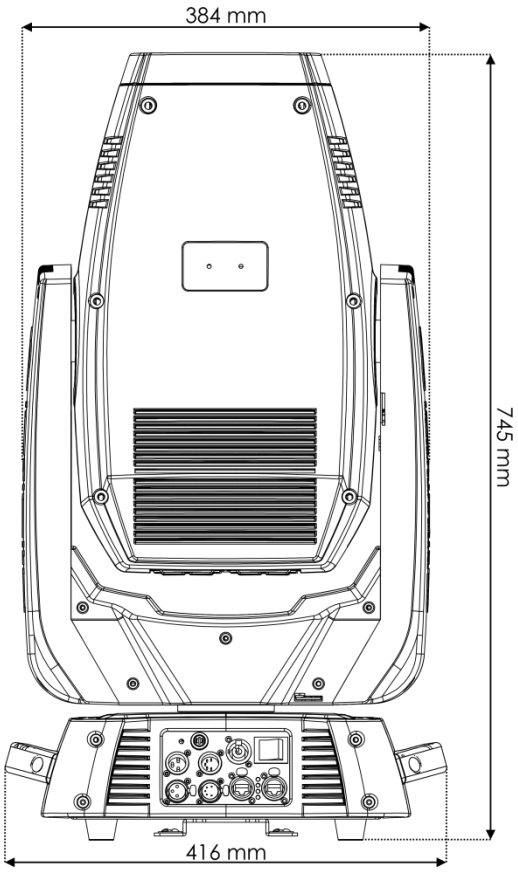
Model:	Infinity iS-400
Input voltage:	100-240V AC, 60/50Hz
Power consumption:	650W (full output)
DMX linking:	30pcs
Fuse:	F10AL/250V
Dimensions:	345 x 416 x 745 mm (LxWxH)
Weight:	33 kg
Operating and Programming:	
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)
DMX Mode:	28, 38 channels
Signal input:	3-pin/5-pin XLR IN
Signal output:	3-pin/5-pin XLR OUT
ArtNet connectors:	RJ45 IN/OUT
Electro-mechanical effects:	
Light Source:	1 x 440W White LED (LumiEngin)
Lux @ 5 m:	16000 (13°)
Gobo wheels:	2 x rotating gobo wheel + shake effect: 6 gobos + open
Color wheel:	1 x color wheel: 7 dichroic colors + white
Beam angle:	13° - 37°
Dimmer:	0-100%
Strobe:	0-20Hz
Pan:	540°
Tilt:	270°
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, ArtNet
Connections:	Dedicated PowerCON to Schuko & Data connector
IP rating:	IP20
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

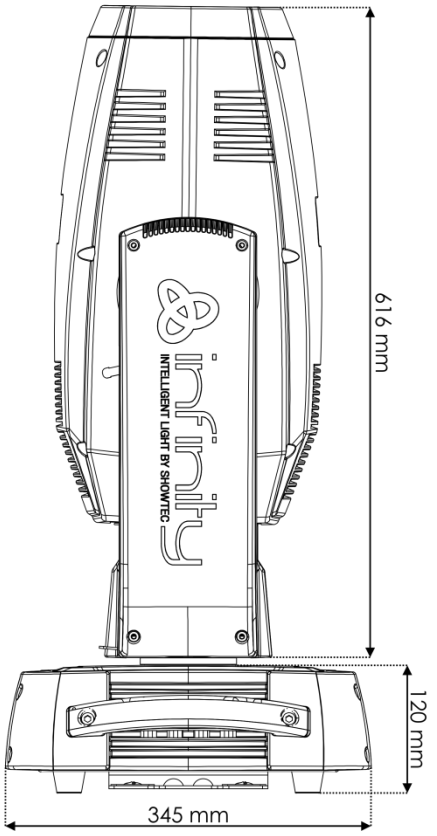
Design and product specifications are subject to change without prior notice.

CE

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

Dimensions


384 mm
745 mm
416 mm


616 mm
120 mm
345 mm
INTELLIGENT LIGHT BY SHOWTEC

Notes