MANUAL

ENGLISH

Infinity iW-1941 RDM   V1

Ordercode: 41529

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 iW-1941 RDM with PowerCON cable (1,4 m)
- 2 brackets for truss mounting
- User manual
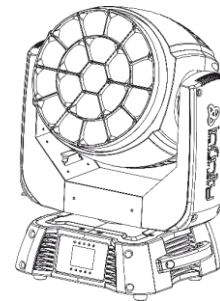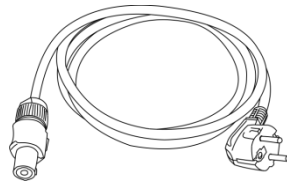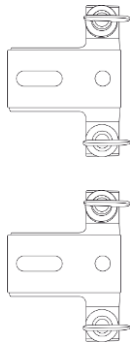
LED Expected Lifespan

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 your lifespan expectancy is of a 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 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)!!! ⚠

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.
- To eliminate wear and improve lifespan, during periods of non-use, completely disconnect from power via breaker or by unplugging.
- 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 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.
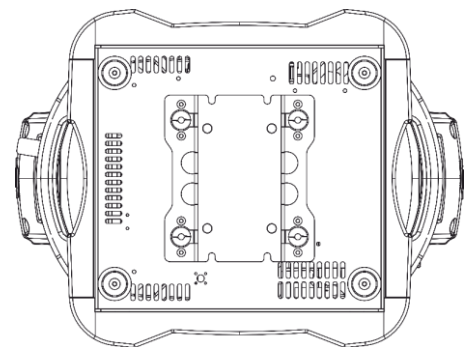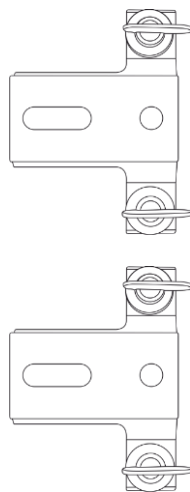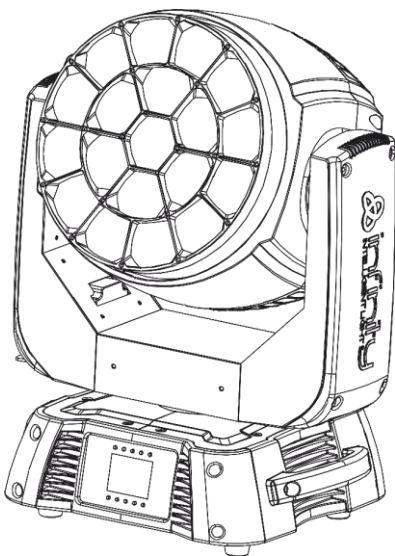
The Infinity can be placed on a flat stage floor or mounted to any kind of truss with a clamp.

Mounting a clamp to the underside of the Infinity moving head
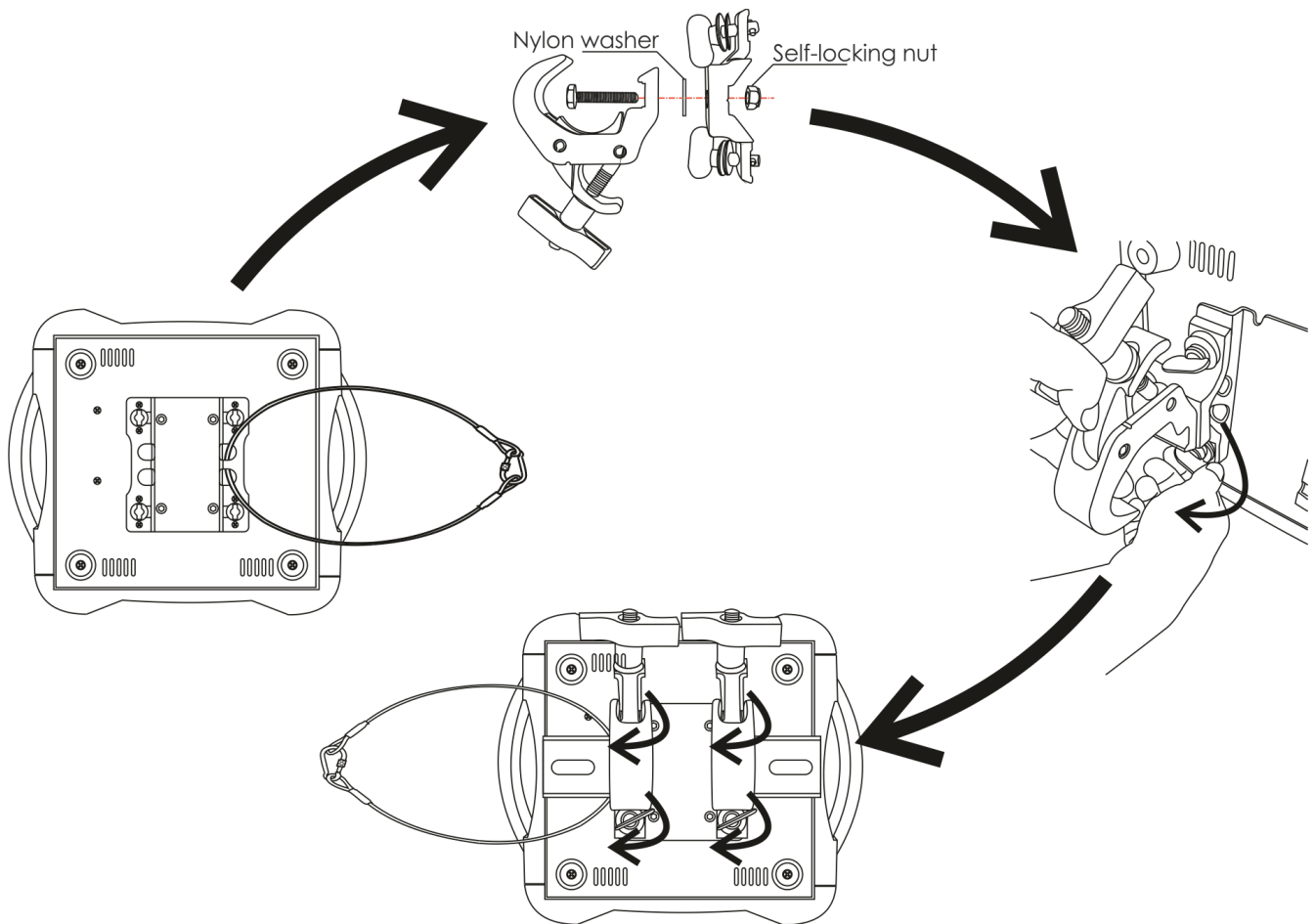
Improper installation can cause serious injuries and/or damage of property !

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	FASE
N	BLUE	BLACK	SILVER	NULL
⏚	YELLOW/GREEN	GREEN	GREEN	EARTH

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

infinity
INTELLIGENT LIGHT

⚠ **Return Procedure** ⚠

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail aftersales@highlite.com and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause of the return. Be sure to properly pack fixture as 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 the fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

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

Complaints against us must be 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 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 iW-1941 RDM is a wash moving head with high output and great effects.
- Pixel control
- Zoom 3,6° to 60°
- Selectable PWM rate by DMX
- Battery powered touch display
- Lumen 101571 Lux @ 3m
- Beam angle: 3,6° to 60°
- Light source: 19x 40W RGBW (Osram)
- Input voltage: 100-240V AC, 50/60Hz (auto ranging)
- Power consumption: 625W
- Light output: 101571 Lux @ 3m
- Beam angle: 3,6°-60° motorized zoom
- Dimmer: 0-100%, 16 bit
- Strobe: 0-20Hz
- Dimmer curves: Linear, Square, Inv-Square, S curve
- Dimmer speed: Smooth, Fast
- Channel modes: 25, 96, 177, 76+13channels
- Onboard: Battery powered full color display including gravity sensor
- Color balance: Separate RGBW adjustment
- Color mode: RGBW/CMY
- Control Protocol: DMX, Artnet, RDM
- Pan / Tilt movement blackout, User-selectable Pan / Tilt ranges, 540°/360°/180° Reverse Pan / Tilt movement, Fan control (auto, full, silent)
- Pan 0°-540°
- Tilt 0°-270°
- Pan/Tilt resolution: 16 bit
- Control: DMX-512, Master/Slave, Built-in Programs
- Housing: Metal & flame-retardant plastic
- Color: Black
- Connections: 3-pin + 5-pin XLR data IN/OUT
  Neutrik PowerCON IN/OUT
- Wireless DMX: optional available
- Max. ambient temp: 45°
- Fuse: T10AL/250V
- Dimensions: 365 x 304 x 468 mm (LxWxH)
- Weight: 19,26 kg

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

Optional accessories
MOD41526 – Wireless DMX upgrade kit

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

Overview
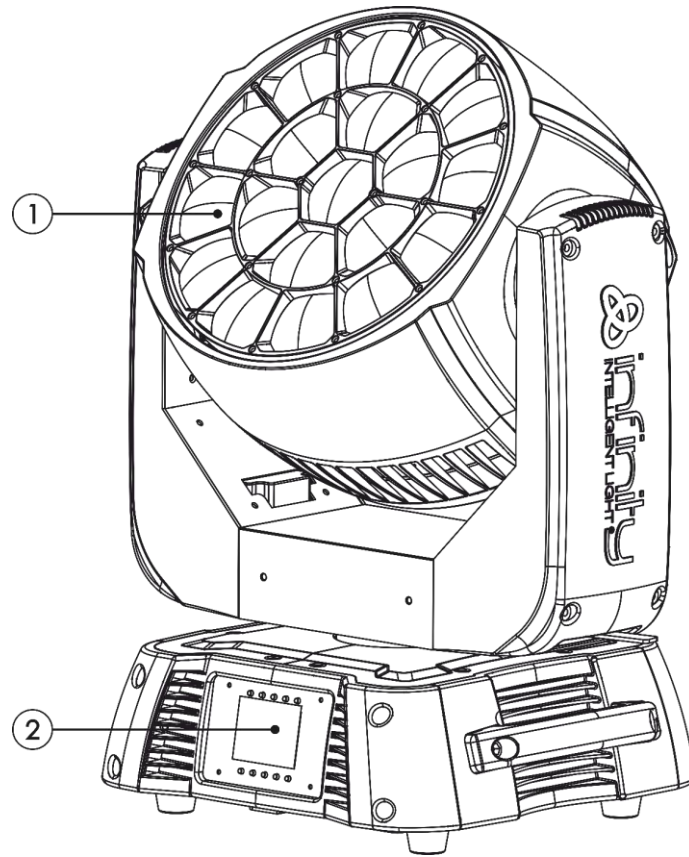
Fig. 01

01) 19x 40W RGBW 4-in-1 Osram
02) Control buttons + LCD display
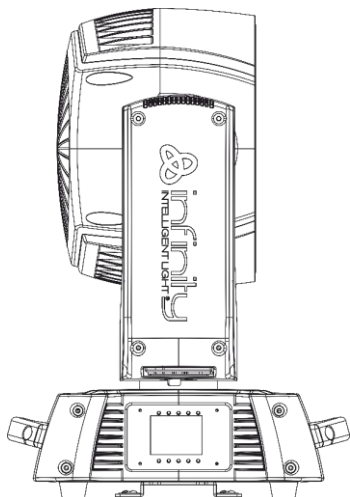
Beam angle 3,6°-Electronic adjustment
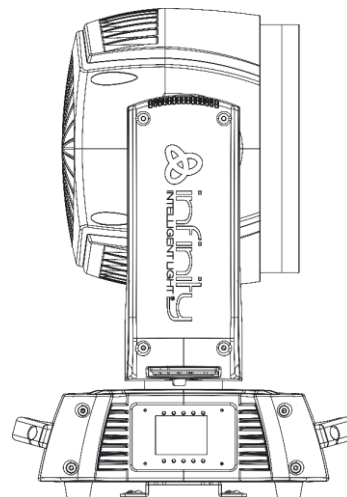
Beam angle 60°- Electronic adjustment

Fig. 02

Backside
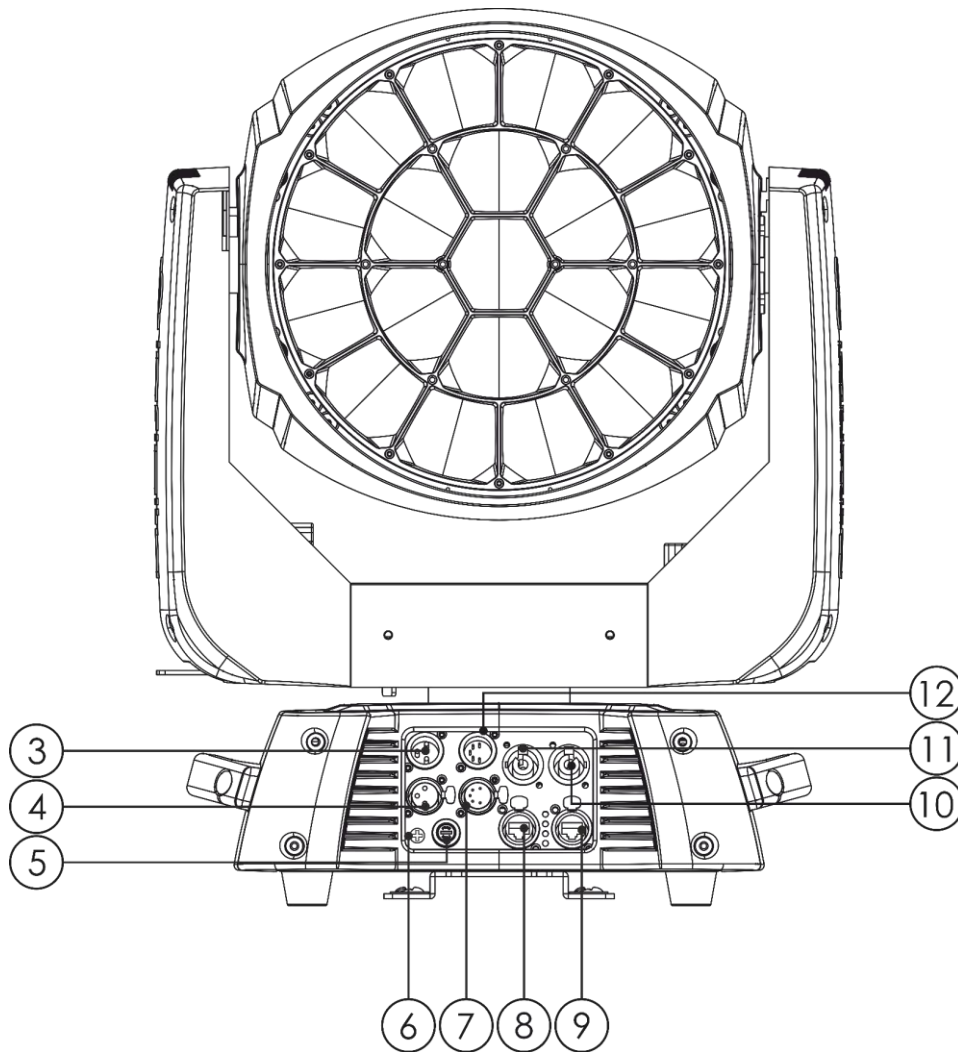
Fig. 03

03) 3-pin DMX signal connector IN
04) 3-pin DMX signal connector OUT
05) Fuse T5AL/250V
06) Ground/earth connection
07) 5-pin DMX signal connector OUT
08) RJ45 ArtNet connector
09) RJ45 ArtNet connector
10) Neutrik PowerCON OUT (Gray)
11) Neutrik PowerCON IN (Blue)
12) 5-pin DMX signal connector IN

Installation

Remove all packing materials from the Infinity iW-1941 RDM. 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.

Lock/Unlock the Moving Head

You can **lock** the moving head by sliding the lock pin to the left (horizontally) for **Pan** or upwards (vertically) for **Tilt** (**Red arrows**). You can **unlock** the moving head by sliding the lock pin to the right (horizontally) for **Pan** or downwards (vertically) for **Tilt** (**Green arrows**).
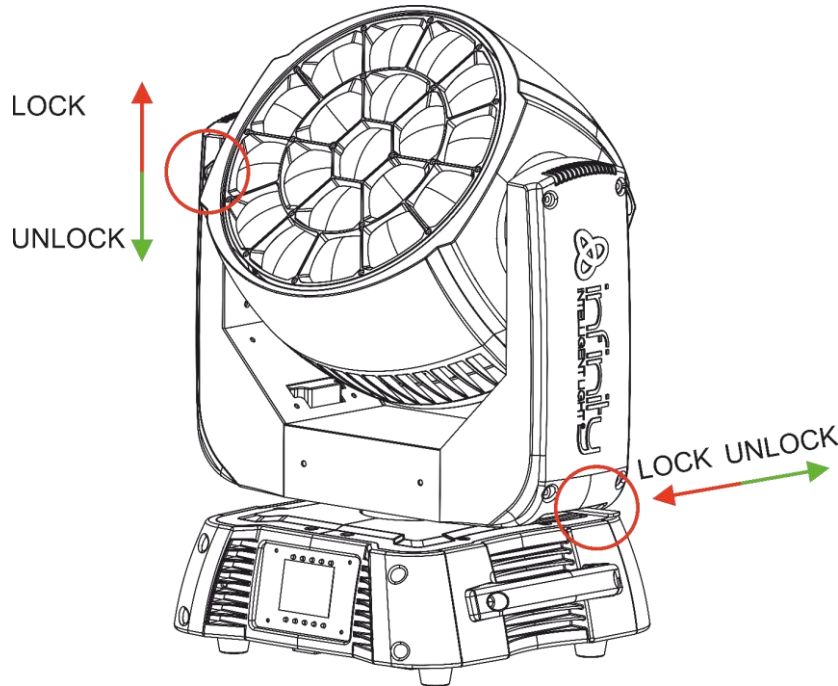
Fig. 04

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 4 modes:
- Stand-alone (built-in programs)
- Master/Slave
- DMX512 (25CH, 96CH, 177CH)
- ArtNet + DMX (76+13CH)

One Infinity (Built-in Programs)

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 25 for more information about the built-in programs.

Multiple Infinity's (Master/Slave 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 Infinity.

The pins:

1. Earth
2. Signal (-)
3. Signal (+)

05) Link the units as shown in fig. 05. 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. You can use the same functions on the master device as described on page 25 (Built-in Programs). 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 Infinity's (Master/Slave control)

Fig. 05

Multiple Infinity's (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 Infinity's and other devices.

05) Link the units as shown in fig. 06. 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 Infinity's DMX Set Up

Fig. 06

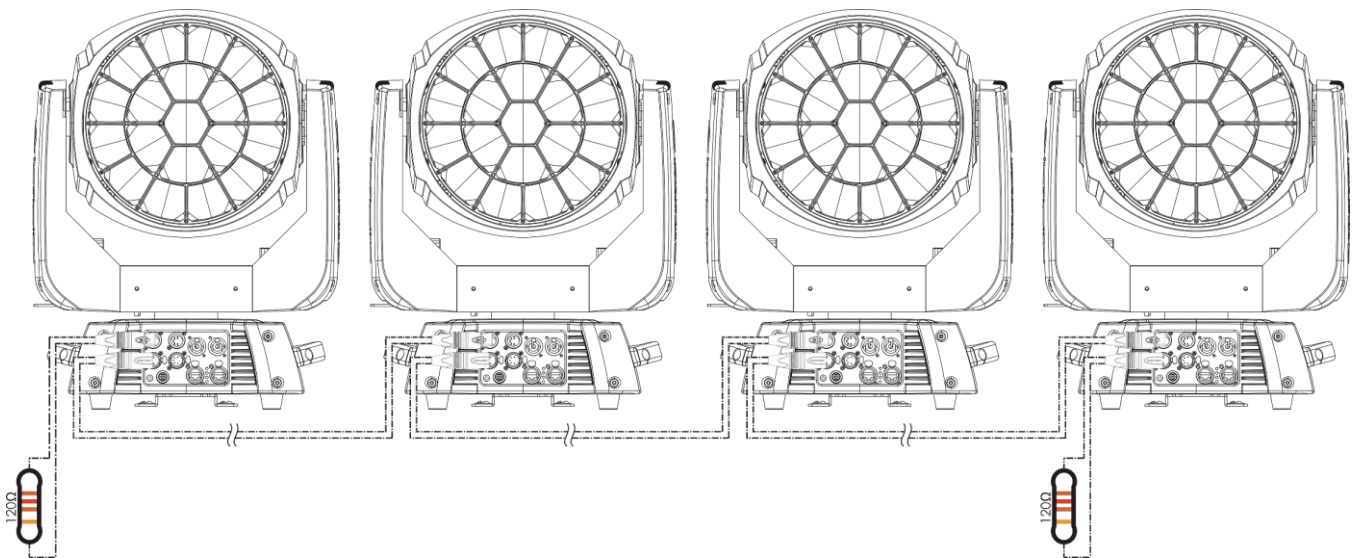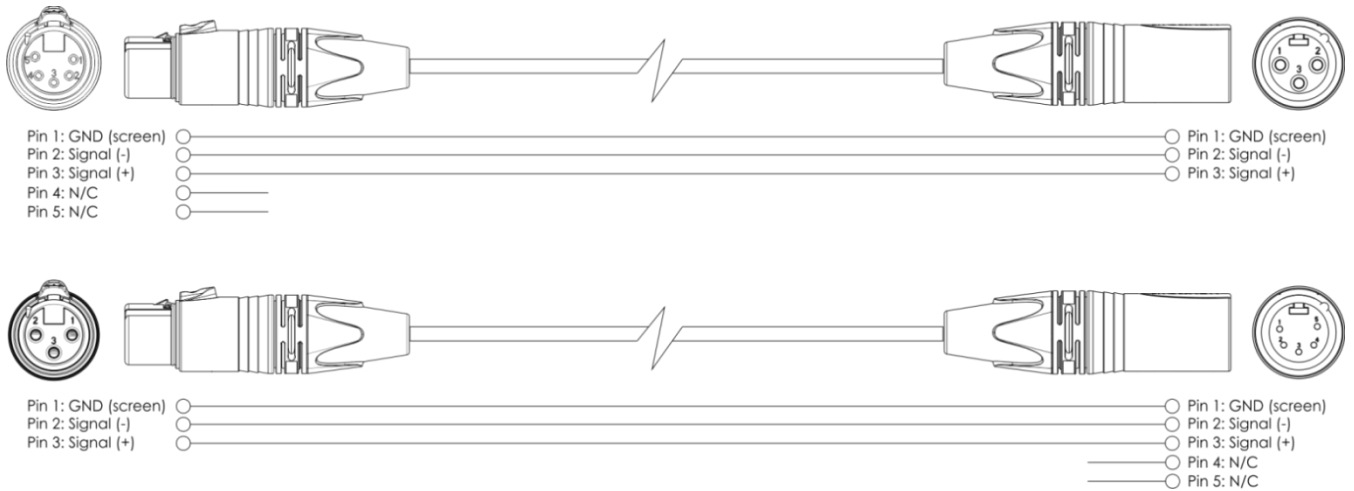**Note: Link all cables before connecting electric power**

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. 06. 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.
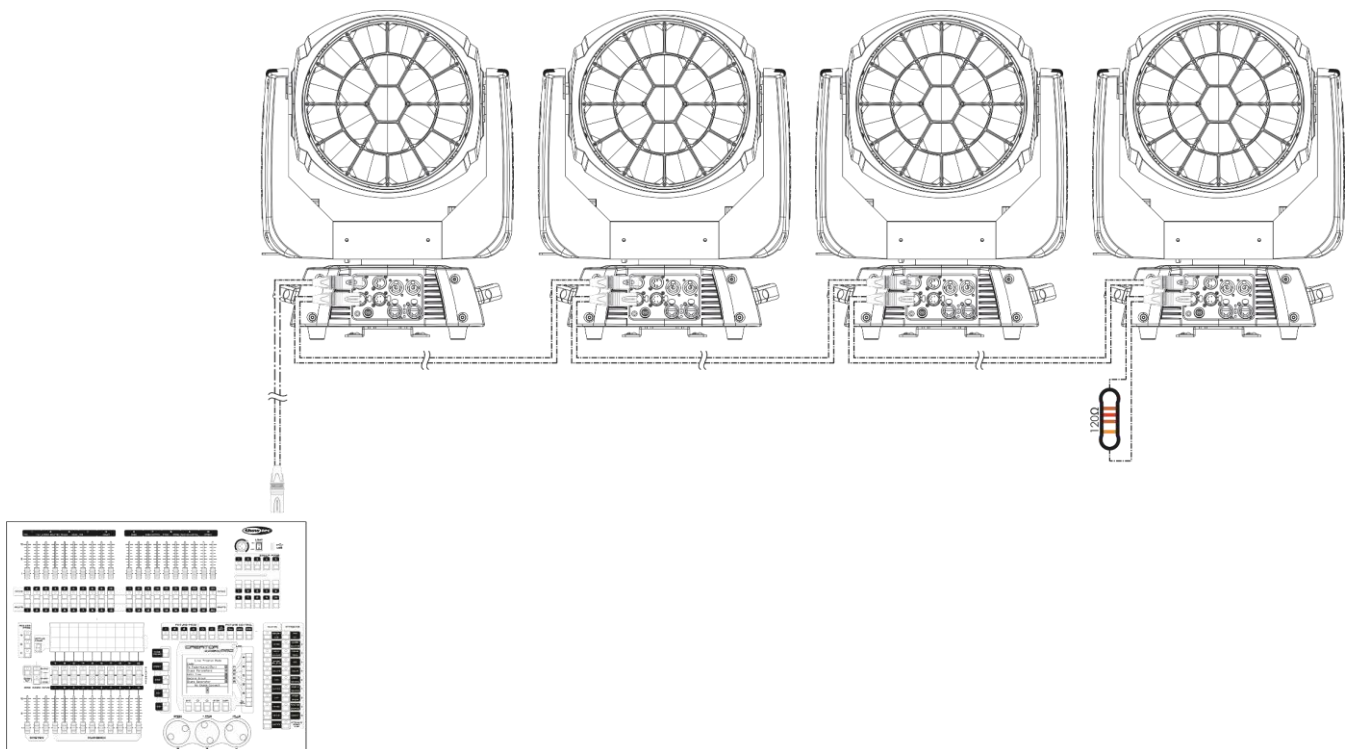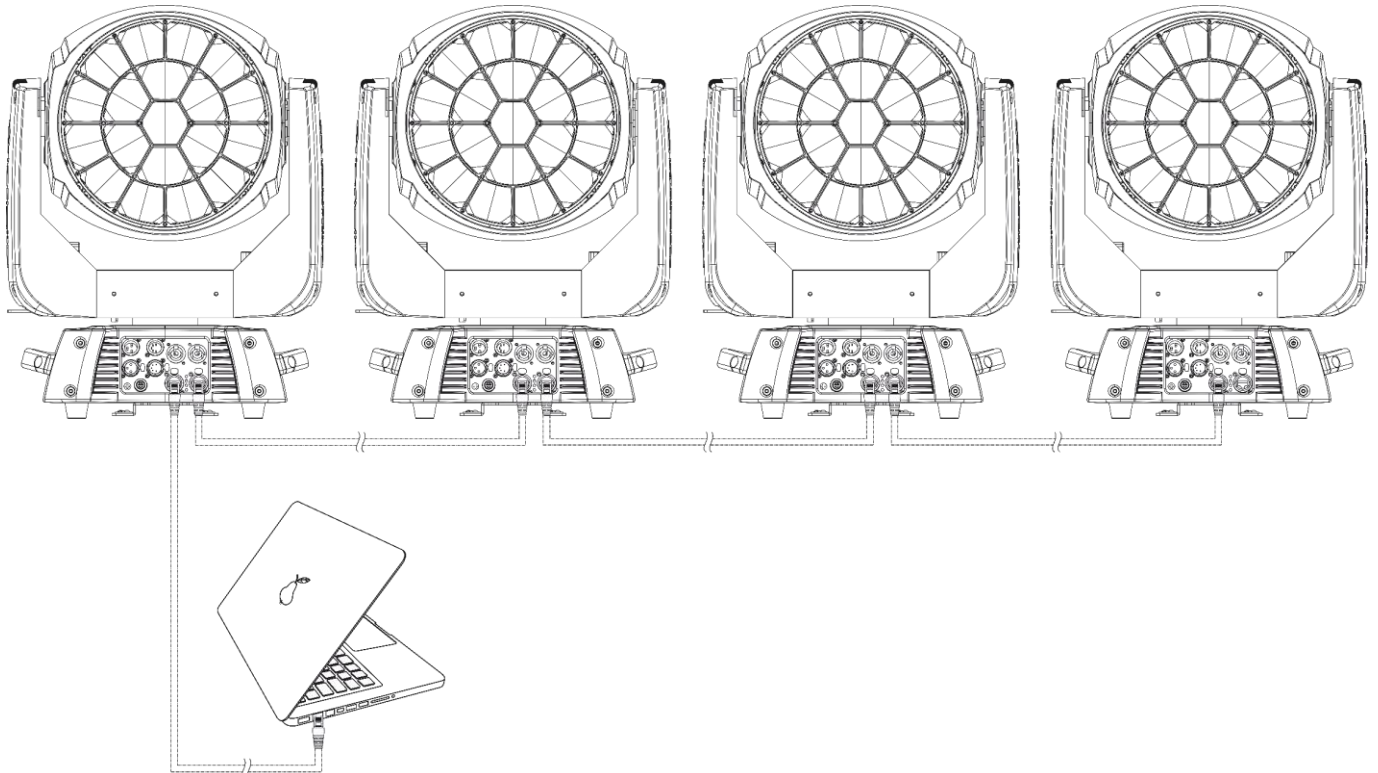
Multiple Infinitys ArtNet Set Up

Fig. 07

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 Infinity.
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 Infinity 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 Infinity 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 Infinity to **1**.
04) Set the first Infinity's DMX address to **001**.
05) Please note, that you can connect only 8 devices (8 x 57 channels = 456 channels needed). Due to the channel limit of 512, you cannot connect the 9th device to the same data line, as it would result in limited functionality of the 9th device.
06) In order to solve this problem, set the universe of the 9th S601 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 Infinity S601's 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 S601.

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. 07). The wires should now be colored as follows:

RJ-45 Male Plug   87654321   12345678   12345678

RJ-45 Female Plug

Color Standard EIA/TIA T568A   Ethernet Patch Cable

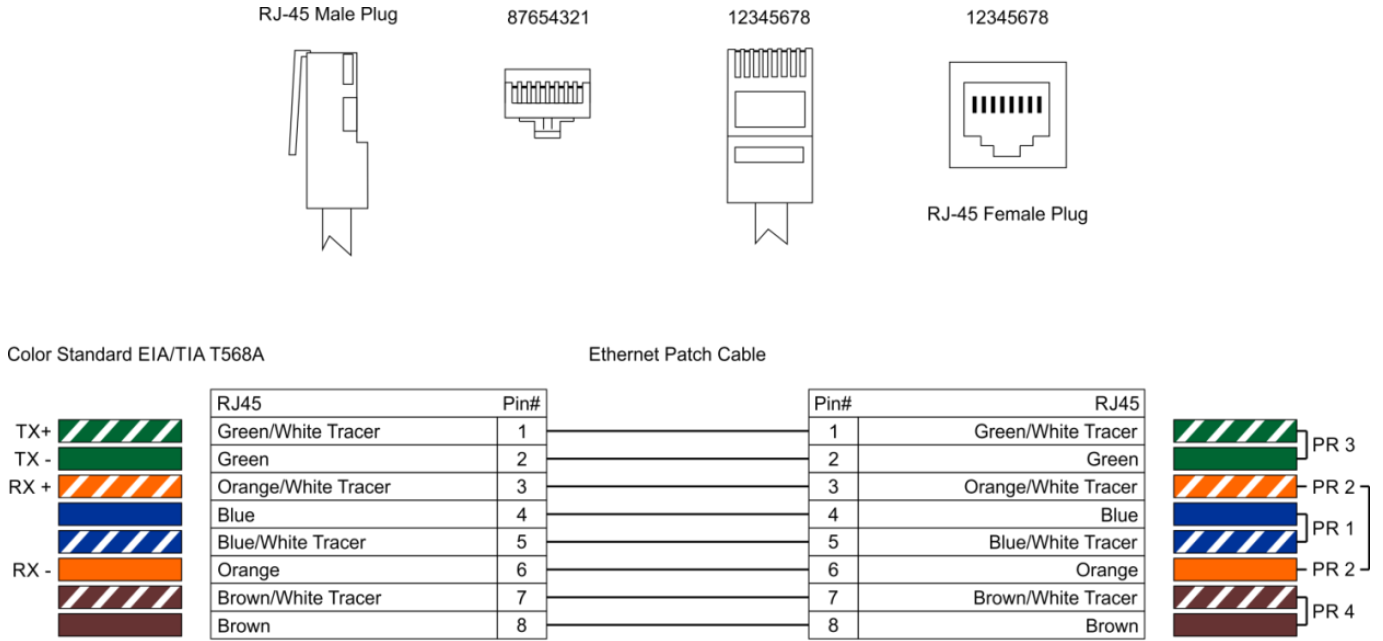| RJ45	Pin#		Pin#	RJ45	
TX+ Green/White Tracer	1		1	Green/White Tracer	PR 3
TX - Green	2		2	Green	
RX + Orange/White Tracer	3		3	Orange/White Tracer	PR 2
Blue	4		4	Blue	PR 1
Blue/White Tracer	5		5	Blue/White Tracer	
RX - Orange	6		6	Orange	PR 2
Brown/White Tracer	7		7	Brown/White Tracer	PR 4
Brown	8		8	Brown	

Fig. 07

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 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 fixtures on a DMX data link: 30 fixtures
Maximum recommended number of fixtures on a power link @120V: 2 fixtures
Maximum recommended number of fixtures on a power link @230V: 5 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 DMX adapter: 3-pin/5-pin. **Ordercode** FLA30.

The Infinity iW-1941 RDM can be operated with a controller in **control mode** or without the controller in **stand-alone mode**.
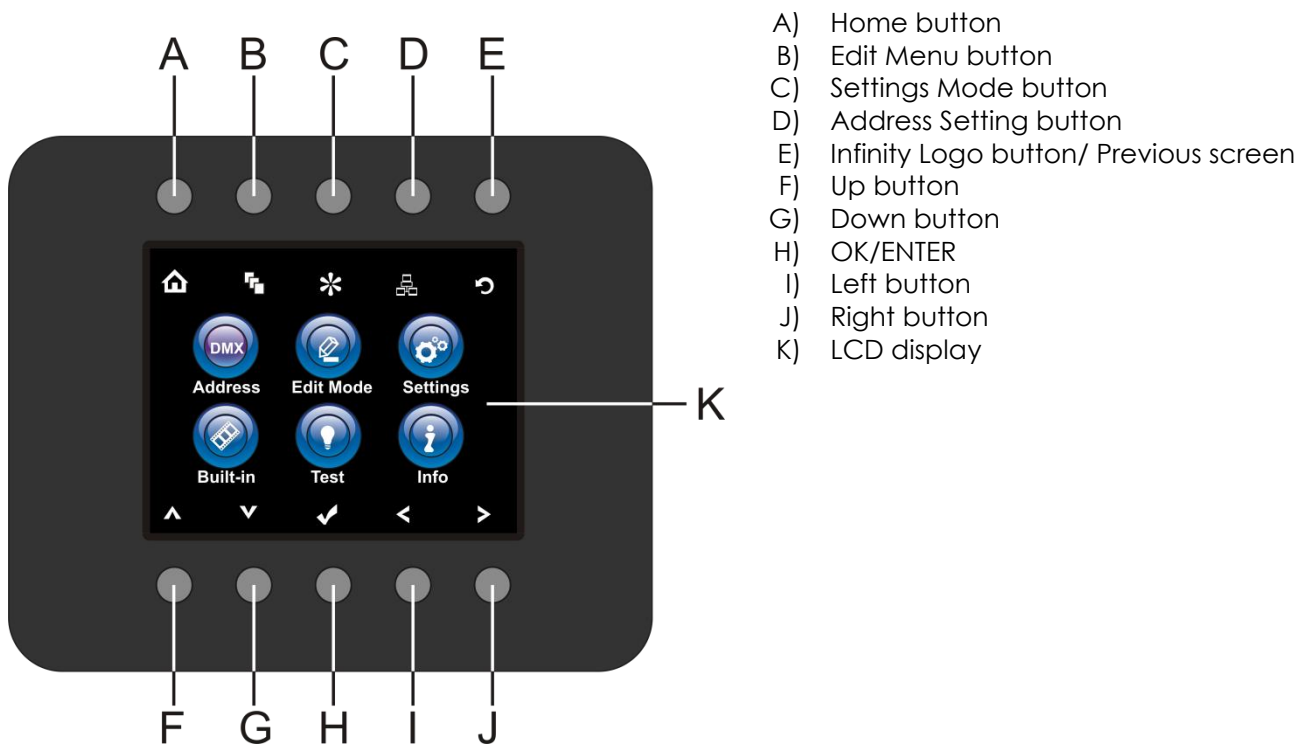
Control Panel

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

Fig. 08

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 **177** 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+177=178 (178)**; the DMX address of the third Infinity should be **178+177=355 (355)**, etc.
Please, be sure that you do not have any overlapping channels in order to control each Infinity correctly.
If two or more Infinity's are addressed similarly, they will work similarly.
For address settings, please refer to the instructions under "Addressing".

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 not 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 35 seconds ⚠
When no button is pressed for 35 seconds, the display will turn off.
To light up the display, you have to press any of the buttons on the control panel.
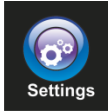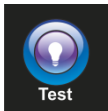Once you have pressed the button, the display will light up.

Menu Overview

Address

Address Setting (20CH)
001

Edit Mode

Edit Mode
DMX MODE 177(CH) — YES
DMX MODE 96(CH) — NO
DMX MODE 25(CH) — NO
Art + DMX 76+13(CH) — NO
MASTER MODE — NO

Settings

Settings
Pan Reverse — YES
Tilt Reverse — NO
Screen Reverse — NO
Auto Screen. Re — NO
Pan Angle — 540
Tilt Angle — 270
Wireless Enable — NO
Wireless Unlink — NO
Fans — Auto
C Mixing mode — RGBW
Dimmer Curve — Scurve
Dimmer Speed — Fast
PWM Option — 1200Hz
Color Balance
Output Mode — Full
Life Time
ArtNet Setting
Reset Function
Factory Settings

Balance Setting
Red — 255
Green — 255
Blue — 255
White — 255

Life time reset
Time counter — 00001
Total life time — 00001
Set password

Password
Old password — 0000
New password — 0000
Confirm new password — 0000

ArtNet Settings
ControlMode — DMX
ArtNetDHCP — OFF
Universe — 000
ArtNetIp — 002.243.075.222
ArtNetSubMask — 255.000.000.000

Reset Functions
Pan/Tilt — Yes
Zoom — No
All — No

Built-in

Built-in
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

Test

Test Setting
Auto Test
Manual Test

Auto Test
Auto Test...

Manual Test
Pan — 000
Tilt — 000
P/T Speed — 000
Red — 000
Green — 000
Blue — 000
White — 000
CTC — 000
Color — 000
Pattern — 000
LED Macro — 000
LED Ma. Speed — 000
Background — 000
Background Dimmer — 000
Dimmer — 000
Shutter — 000
Zoom — 000
Function — 000
P/T Macro — 000

Info — ENTER

System Information
Ver — V3
Running Mode — DMX
DMX Address — 001
Temperature — 00002
Total life time — 00001
Time counter — 00001
UID — 29B405700004

Main Menu Options

   DMX address

   Edit Mode

   Settings Menu

   Built-in Programs

   Test Mode

   Info

Home		Up
Edit Menu		Down
Settings Mode		OK/Enter
Address Setting		Left
Previous screen/Infinity Logo		Right

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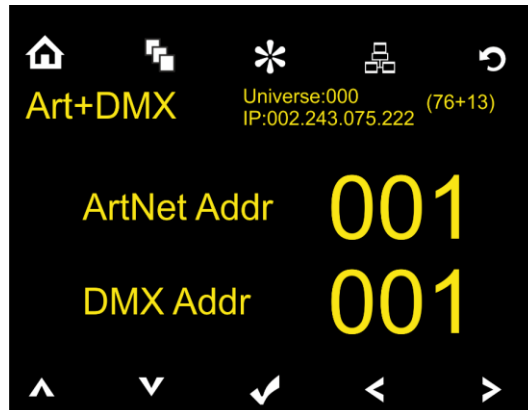With this menu you can set the DMX address.

01) Press the button.

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

03) Press the buttons to select the required address from 001 Up/Down 512.

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

1.2. ArtNet settings (ArtNet + DMX mode)

01) Activate **Art + DMX (76+13)** mode (see 2. Edit Mode, page 16).

02) Press the ✔ button, to confirm. You can now set the DMX starting address and/or the device's ArtNet address.

03) Press the ◄ ► buttons to select the digit which you want to adjust.

04) Press the ^ ∨ buttons to change the value.

05) Once you have made all the desired changes, press the ✔ button to store.

2. Edit Mode

With this menu you can set your desired DMX personality and running mode.

01) Press the 🏠 button and select Edit Mode .

02) Press the ✔ button, to confirm. You can choose between 5 submenus.
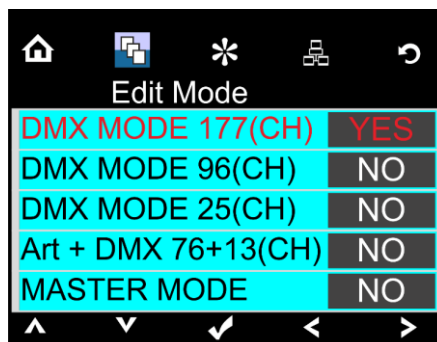
03) Press the ^ ∨ buttons to select the desired DMX channels.

04) Press the ✔ button, to confirm.

05) Once you have selected the desired DMX channels, press the ◄ ► buttons to change the value from NO to YES.

06) Once you have selected the desired setting, press the ✔ button to store your settings.

07) If you have chosen Master Mode, press the ◄ ► buttons to change the value from NO to YES.

08) If you choose NO in MASTER MODE the device will react as slave, it will react the same as its master device.

09) If you choose YES in MASTER MODE the device will react as the master, all other devices will react as a slave device.

3. Settings Menu
With this menu you can set your desired settings.

01) Press the ⌂ button and select [Settings].

02) Press the ✔ button, to confirm. You can choose from 19 different modes.

03) Press the ∧ ∨ buttons to select the required mode:
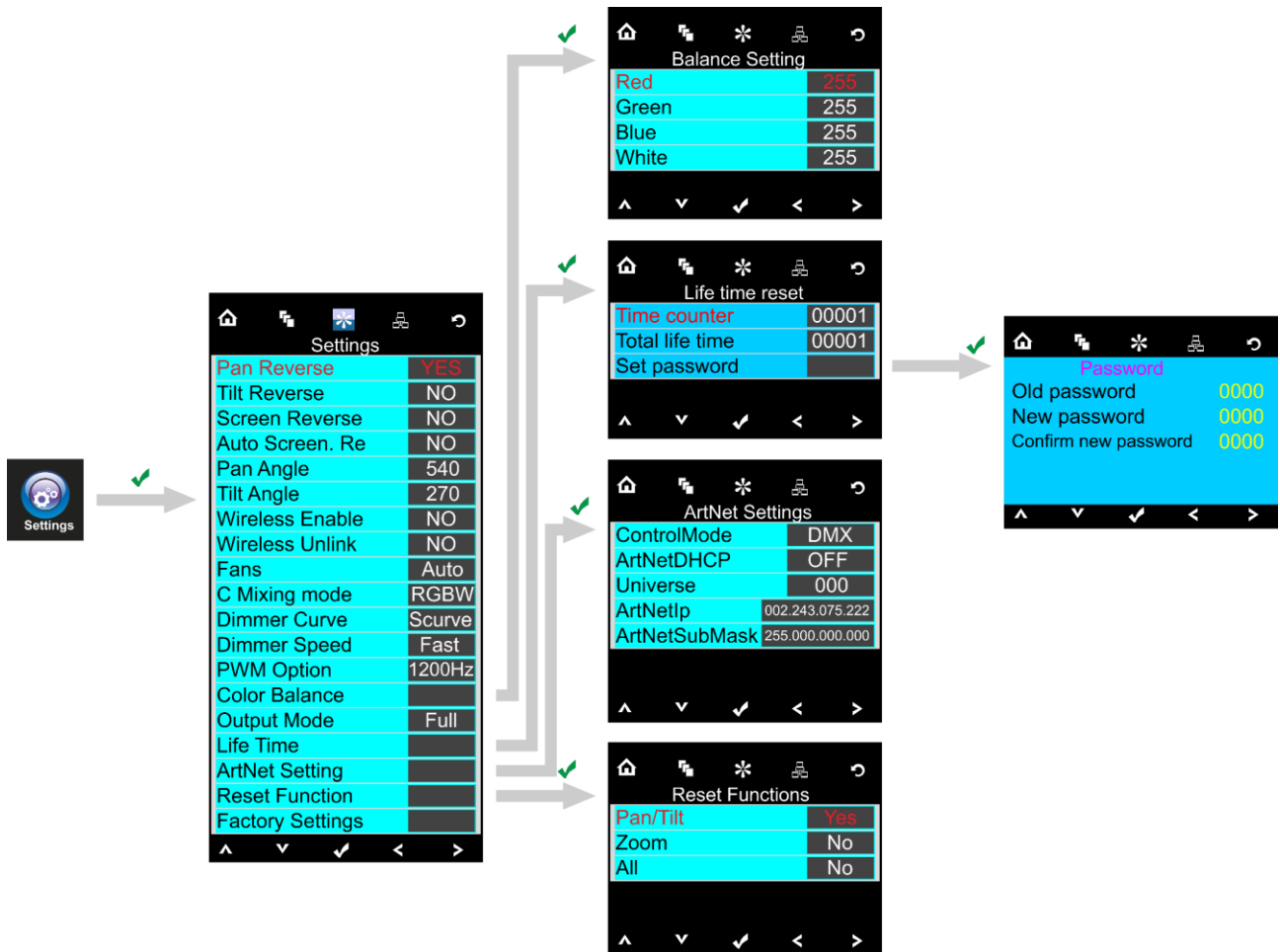
04) Once you have selected the desired mode, press the ✔ button to proceed to edition.

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
   ● C Mixing Mode: RGBW, CMY
   ● Dimmer Curve: Linear, Square, I Squa, SCurve
   ● Dimmer Speed: Smooth, Fast
   ● PWM Option: 600Hz, 1200Hz, 2000Hz, 4000Hz, 6000Hz, 15000Hz
   ● Output Mode: White, Full

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

01) Press the [∧] [∨] buttons to select Color Balance and press the [✔] button to open the menu.
02) You can now adjust 4 colors: Red, Green, Blue, White.

03) Choose the desired color, press the [✔] button and then press the [<] [>] buttons to set the value. The adjustment range is between 0-255, from dark to brightest.
04) You can combine Red, Green, Blue and White to create an infinite range of colors.

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

01) Press the [∧] [∨] buttons to select Life Time and press the [✔] button to open the menu.
02) Press the [∧] [∨] buttons to choose one of the 3 reset options:
   ● Time Counter (the time counter will be reset)
   ● Total Life Time (the device's operation time counter will be reset)
   ● Set Password

03) If you select Time Counter or Total Life Time, press the [✔] button to open the selection menu.
04) Press the [<] [>] buttons to choose either YES or NO. Press the [✔] button to confirm.

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

01) Press the [∧] [∨] buttons to select Set Password and press the [✔] button to open the menu.
02) The following screen will pop up:
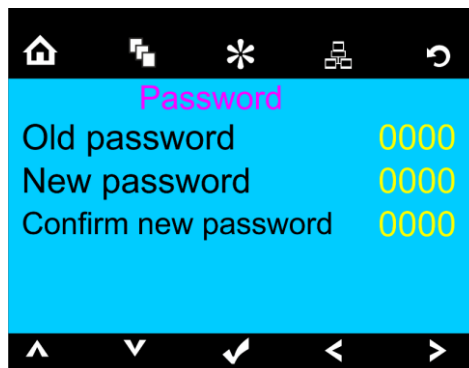
03) Press the [<] [>] buttons to select the digit which you want to edit.
04) Press the [∧] [∨] buttons to adjust the values.

3.3. ArtNet 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) The following screen will pop up:
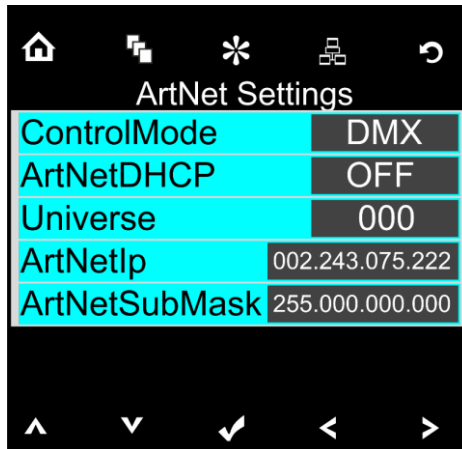
03) Press the ⋀ ⋁ buttons to choose one of the 4 options:
- Control mode (ArtNet, DMX, ArtNet + DMX)
- ArtNet DHCP (If set to ON, the device receives the IP address from the router. If set to OFF, you can assign your desired IP address to the device.)
- Universe (the device's universe, 0-255)
- ArtNet IP
- ArtNet submask

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

05) Press the < > buttons to adjust the options.

06) Press the ✔ button to confirm your choice.

3.4. Reset Functions
With this menu you can reset the device.

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

02) Press the ⋀ ⋁ buttons to choose one of the 3 reset options:
- Pan/Tilt
- Zoom
- All

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

04) Once you have selected the desired setting, press the ✔ button to store your settings.

4. Built-in Programs

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

01) Press the ⌂ button and select [Built-in].

02) Press the ✔ button, to confirm. You can choose 10 different built-in programs.

⌂	⬚	❋	⤵	↺
Built-in				
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
⋀	⋁	✔	‹	›
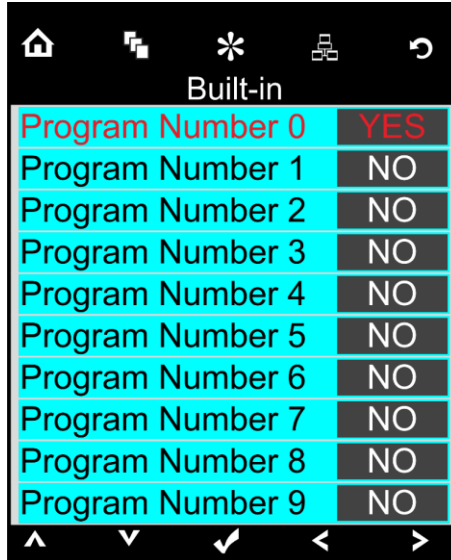
03) Press the Up / Down buttons to select the required program:

04) Once you have selected the desired built-in program, press the ‹ › buttons to change the value from NO to YES.

05) Once you have selected the desired setting, press the ✔ button to store your settings.
06) If you have chosen YES the desired built-in program will start automatically.

5. Test Menu
With this menu you can test the device automatic or manual.

01) Press the [home] button and select [Test].

02) Press the [✔] button, to confirm. You can choose 2 different test modes.

Test Setting
- Auto Test
- Manual Test

Auto Test

Auto Test...

Manual Test

Pan	000
Tilt	000
P/T Speed	000
Red	000
Green	000
Blue	000
White	000
CTC	000
Color	000
Pattern	000
LED Macro	000
LED Ma. Speed	000
Background	000
Background Dimmer	000
Dimmer	000
Shutter	000
Zoom	000
Function	000
P/T Macro	000

03) Press the [∧] [∨] buttons to select the required test mode.

04) Press the [✔] button, to confirm.
05) If you have chosen AUTO TEST the device will automatically start its auto test program.
06) If you have chosen MANUAL TEST you will enter a submenu. You can choose between 19 test options: Pan, Tilt, P/T Speed, Red, Green, Blue, White, CTC, Color, Pattern, LED Macro, LED Macro Speed, Background, Background Dimmer, Dimmer, Shutter, Zoom, Function or P/T Macro.

07) Press the [∧] [∨] buttons to select the required test option.

08) Press the [✔] button, to confirm.

09) Once you have selected the desired option, press the [<] [>] buttons to change the value from 000 to 255.

10) Once you have set the desired option, press the [✔] button to store your settings.

6. Information Menu
With this menu you can see several device settings.

01) Press the ⌂ button and select ⓘ Info .

02) Press the ✔ button, to confirm.

System Information

Ver	V3
Running Mode	DMX
DMX Address	001
Temperature	00002
Total life time	00001
Time counter	00001
UID	29B405700004
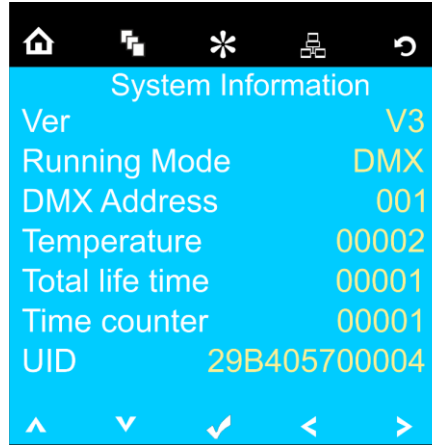
03) You can view 7 parameters.

DMX Channels

25 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 – Red Main Dimmer intensity (CH21 must be set between 1-255 and CH23 between 20-255 ⚠)
0-255	Gradual adjustment Red from 0-100%

Channel 7 – Red Main Dimmer 16Bit (CH21 must be set between 1-255 and CH23 between 20-255 ⚠)
0-255	Fine dimmer intensity, from dark to brightest

Channel 8 – Green Dimmer intensity (CH21 must be set between 1-255 and CH23 between 20-255 ⚠)
0-255	Gradual adjustment Green from 0-100%

Channel 9 – Green Main Dimmer 16Bit (CH21 must be set between 1-255 and CH23 between 20-255 ⚠)
0-255	Fine dimmer intensity, from dark to brightest

Channel 10 – Blue Dimmer intensity (CH21 must be set between 1-255 and CH23 between 20-255 ⚠)
0-255	Gradual adjustment Blue from 0-100%

Channel 11 – Blue Main Dimmer 16Bit (CH21 must be set between 1-255 and CH23 between 20-255 ⚠)
0-255	Fine dimmer intensity, from dark to brightest

Channel 12 – White Dimmer intensity (CH21 must be set between 1-255 and CH23 between 20-255 ⚠)
0-255	Gradual adjustment White from 0-100%

Channel 13 – White Main Dimmer 16Bit (CH21 must be set between 1-255 and CH23 between 20-255 ⚠)
0-255	Fine dimmer intensity, from dark to brightest

Channel 14 – CTC correction (CH6 CH8, CH8, CH10, CH12, CH21 must be set between 1-255, CH23 between 20-255 ⚠)
0	No function
1-255	Color temperature correction from 19000K to 2700K

Channel 15 – Color correction (CH21 must be set between 1-255 and CH23 between 20-255 ⚠️)

0	No function
1-2	White 2700K(R=156, G=118, B=0, W=63
3-4	White 3200K(R=156, G=141, B=5, W=89)
5-6	White 4200K(R=156, G=141, B=14, W=255)
7-8	White 5600K(R=156, G=207, B=54, W=255)
9-10	White 8000K(R=130, G=255, B=96, W=255)
11	Blue (R=0, G=0, B=255, W=0)
12-48	R=0, G+, B=255, W=0
49	Cyan (R=0, G=255, B=255, W=0)
50-86	R=0, G=255, B-, W=0
87	Green (R=0, G=255, B=0, W=0)
88-124	R+, G=255, B=0, W=0
125	Yellow (R=255, G=255, B=0, W=0)
126-162	R=255, G-, B=0, W=0
163	Red (R=255, G=0, B=0, W=0)
164-200	R=255, G=0, B+, W=0
201	Magenta (R=255, G=0, B=255, W=0)
202-238	R-, G=0, B=255, W=0
239	Blue (R=0, G=0, B=255, W=0)
240-247	Color fade with decreasing speed
248-255	Color jump with decreasing speed

Channel 16 – Gobos (CH21 must be set between 1-255 and CH23 between 20-255 ⚠️)

0	No function
1	Gobo 1
2	Gobo 2
3	Gobo 3
4	Gobo 4
5	Gobo 5
6	Gobo 6
7	Gobo 7
8	Gobo 8
9	Gobo 9

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245	Gobo 245
246	Gobo 246
247	Gobo 247
248	Gobo 248
249	Gobo 249
250	Gobo 250
251	Gobo 251
252	Gobo 252
253	Gobo 253
254	Gobo 254
255	On

Channel 17 – LED Built-in (CH21 must be set between 1-255 and CH23 between 20-255 ⚠)

0-15	No function
16	LED built-in 1
17	LED built-in 2
18	LED built-in 3
19	LED built-in 4
20	LED built-in 5

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112	LED built-in 1
113	LED built-in 98
114	LED built-in 99
115	LED built-in 100
116	LED built-in 101
117-135	On
136	LED built-in 102 (main)
137	LED built-in 103 (main)
138	LED built-in 104 (main)
139	LED built-in 105 (main)
140	LED built-in 106 (main)

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●   ●   ●

●   ●   ●

232	LED built-in 199 (main)
233	LED built-in 200 (main)
234	LED built-in 201 (main)
235	LED built-in 202 (main)
236	LED built-in 203 (main)
237-255	LED built-in 204 (main)

Channel 18– LED Built-in Speed (CH17 must be set between 16-255, CH21 must be set between 1-255, and CH23 between 20-255 ⚠)

0	No function
1-255	Speed adjustment, from slow to fast

Channel 19 – Background Color (CH21 must be set between 1-255 and CH23 between 20-255 ⚠)

0	No function
1-2	White 2700K(R=156, G=118, B=0, W=63
3-4	White 3200K(R=156, G=141, B=5, W=89)
5-6	White 4200K(R=156, G=141, B=14, W=255)
7-8	White 5600K(R=156, G=207, B=54, W=255)
9-10	White 8000K(R=130, G=255, B=96, W=255)
11	Blue （R=0, G=0, B=255, W=0)

12-48	R=0, G+, B=255, W=0
49	Cyan (R=0, G=255, B=255, W=0)
50-86	R=0, G=255, B-, W=0
87	Green (R=0, G=255, B=0, W=0)
88-124	R+, G=255, B=0, W=0
125	Yellow (R=255, G=255, B=0, W=0)
126-162	R=255, G-, B=0, W=0
163	Red (R=255, G=0, B=0, W=0)
164-200	R=255, G=0, B+, W=0
201	Magenta (R=255, G=0, B=255, W=0)
202-238	R-, G=0, B=255, W=0
239	Blue (R=0, G=0, B=255, W=0)
240-247	Color fade with decreasing speed
248-255	Color jump with decreasing speed

Channel 20 – Background Color Dimmer (CH 19 and CH21 must be set between 1-255, CH23 between 20-255 ⚠️)

0-255	Dimmer intensity, from dark to brightest

Channel 21 – Dimmer (CH6, CH8, CH8, CH10, CH14, CH15, CH16 must be set between 1-255 and CH23 between 20-255 ⚠️)

0-255	Dimmer intensity, from dark to brightest

Channel 22 – Dimmer 16Bit (CH6, CH8, CH8, CH10, CH14, CH15, CH16 must be set between 1-255 and CH23 between 20-255 ⚠️)

0-255	Dimmer intensity, from dark to brightest

Channel 23 – Shutter / Strobe (CH6, CH8, CH8, CH10, CH14, CH15, CH16 and CH21 must be set between 1-255 ⚠️)

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

Channel 24– Zoom

0-255	Gradual zoom adjustment, from small to big (3,6°-60°)

Channel 25 – Channel Functions (Desired function starts after 5 seconds setting DMX value)

0-9	No Function
10-14	Pan/Tilt black activated, after 3 seconds
15-19	reserved
20-24	RGBW color mixing, after 3 seconds
25-29	CMY color mixing, after 3 seconds
30-34	LED built-in Delay Off, after 3 seconds
35-39	LED built-in Delay On, after 3 seconds
40-44	Reserved
45-49	Reserved
50-54	Pan reset, after 3 seconds
55-59	Tilt reset, after 3 seconds
60-64	Zoom reset, after 3 seconds
65-69	Reserved
70-74	All reset, after 3 seconds
75-79	Reserved
80-84	Reserved
85-89	Reserved
90-94	Reserved
95-99	Reserved
100-104	Reserved
105-109	Reserved
110-114	Reserved
115-119	Reserved
120-124	Fan low speed
125-129	Fan full speed
130-134	Fan auto
135-139	Dimmer fast
140-144	Dimmer smooth
145-164	No function
165-169	Output = Full
170-174	Output = White
175-247	Reserved
248-255	Reserved

DMX Channels

96 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 – Red Main Dimmer intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Red from 0-100%

Channel 7 – Green Dimmer intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Green from 0-100%

Channel 8 – Blue Dimmer intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Blue from 0-100%

Channel 9 – White Dimmer intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment White from 0-100%

Channel 10 – Red Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Red from 0-100%

Channel 11 – Green Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Green from 0-100%

Channel 12 – Blue Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Blue from 0-100%

Channel 13 – White Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment White from 0-100%

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Channel 82 – Red Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Red from 0-100%

Channel 83 – Green Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Green from 0-100%

Channel 84 – Blue Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Blue from 0-100%

Channel 85 – White Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment White from 0-100%

Channel 86 – CTC correction (CH6 CH7, CH8, CH9, CH11, CH17 must be set between 1-255, CH18 between 20-255 ⚠)

0	No function
1-255	Color temperature correction from 19000K to 2700K

Channel 87 – Color correction (CH17 must be set between 1-255 and CH18 between 20-255 ⚠)

0	No function
1-2	White 2700K(R=156, G=118, B=0, W=63
3-4	White 3200K(R=156, G=141, B=5, W=89)
5-6	White 4200K(R=156, G=141, B=14, W=255)
7-8	White 5600K(R=156, G=207, B=54, W=255)
9-10	White 8000K(R=130, G=255, B=96, W=255)
11	Blue（R=0, G=0, B=255, W=0)
12-48	R=0, G+, B=255, W=0
49	Cyan (R=0, G=255, B=255, W=0)
50-86	R=0, G=255, B-, W=0
87	Green (R=0, G=255, B=0, W=0)
88-124	R+, G=255, B=0, W=0
125	Yellow (R=255, G=255, B=0, W=0)
126-162	R=255, G-, B=0, W=0
163	Red (R=255, G=0, B=0, W=0)
164-200	R=255, G=0, B+, W=0
201	Magenta (R=255, G=0, B=255, W=0)
202-238	R-, G=0, B=255, W=0
239	Blue (R=0, G=0, B=255, W=0)
240-247	Color fade with decreasing speed
248-255	Color jump with decreasing speed

Channel 88 – Gobos (CH17 must be set between 1-255 and CH18 between 20-255 ⚠)

0	No function
1	Gobo 1
2	Gobo 2
3	Gobo 3
4	Gobo 4
5	Gobo 5

● ● ●

● ● ●

● ● ●

250	Gobo 250
251	Gobo 251
252	Gobo 252
253	Gobo 253
254	Gobo 254
255	On

Channel 89 – LED Built-in (CH17 must be set between 1-255 and CH18 between 20-255 ⚠)

0-15	No function
16	LED built-in 1
17	LED built-in 2
18	LED built-in 3
19	LED built-in 4
20	LED built-in 5

● ● ●

● ● ●

● ● ●

112	LED built-in 1
113	LED built-in 98
114	LED built-in 99
115	LED built-in 100
116	LED built-in 101
117-135	On
136	LED built-in 102 (main)
137	LED built-in 103 (main)
138	LED built-in 104 (main)
139	LED built-in 105 (main)
140	LED built-in 106 (main)

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232	LED built-in 199 (main)
233	LED built-in 200 (main)
234	LED built-in 201 (main)

235	LED built-in 202 (main)
236	LED built-in 203 (main)
237-255	LED built-in 204 (main)

Channel 90– LED Built-in Speed (CH13 must be set between 16-255, CH17 must be set between 1-255, and CH18 between 20-255 ⚠)

0	No function
1-255	Speed adjustment, from slow to fast

Channel 91 – Background Color (CH17 must be set between 1-255 and CH18 between 20-255 ⚠)

0	No function
1-2	White 2700K(R=156, G=118, B=0, W=63
3-4	White 3200K(R=156, G=141, B=5, W=89)
5-6	White 4200K(R=156, G=141, B=14, W=255)
7-8	White 5600K(R=156, G=207, B=54, W=255)
9-10	White 8000K(R=130, G=255, B=96, W=255)
11	Blue （R=0, G=0, B=255, W=0)
12-48	R=0, G+, B=255, W=0
49	Cyan (R=0, G=255, B=255, W=0)
50-86	R=0, G=255, B-, W=0
87	Green (R=0, G=255, B=0, W=0)
88-124	R+, G=255, B=0, W=0
125	Yellow (R=255, G=255, B=0, W=0)
126-162	R=255, G-, B=0, W=0
163	Red (R=255, G=0, B=0, W=0)
164-200	R=255, G=0, B+, W=0
201	Magenta (R=255, G=0, B=255, W=0)
202-238	R-, G=0, B=255, W=0
239	Blue (R=0, G=0, B=255, W=0)
240-247	Color fade with decreasing speed
248-255	Color jump with decreasing speed

Channel 92 – Background Color Dimmer (CH 15 and CH17 must be set between 1-255, CH18 between 20-255 ⚠)

0-255	Dimmer intensity, from dark to brightest

Channel 93 – Dimmer (CH6, CH7, CH8, CH9, CH10, CH11, CH12 must be set between 1-255 and CH18 between 20-255 ⚠)

0-255	Dimmer intensity, from dark to brightest

Channel 94 – Shutter / Strobe (CH6, CH7, CH8, CH9, CH10, CH11, CH12 and CH17 must be set between 1-255 ⚠)

0-19	Shutter closed
20-24	Shutter open
25-64	Strobe 1 with decreasing speed
65-69	Shutter open
70-84	Strobe 2(fast on, slow off) with decreasing speed
85-89	Shutter open
90-104	Strobe 3(slow on, fast off) with decreasing speed
105-109	Shutter open
110-124	Strobe 4(random strobe) with decreasing speed
125-129	Shutter open
130-144	Strobe 5(random fast on, slow off)with decreasing speed
145-149	Shutter open
150-164	Strobe 6(random slow on, fast off) with decreasing speed

165-169	Shutter open
170-184	Strobe 7(pulse strobe) with decreasing speed
185-189	Shutter open
190-204	Strobe 8(random pulse strobe) with decreasing speed
205-209	Shutter open
210-224	Strobe 9(fade on or off) with decreasing speed
225-229	Shutter open
230-244	Strobe 10(pulse strobe) with decreasing speed
245-255	Shutter open

Channel 95– Zoom

0-255	Gradual zoom adjustment, from small to big (3,6°-60°)

Channel 96 – Channel Functions (Desired function starts after 5 seconds setting DMX value)

0-9	No Function
10-14	Pan/Tilt black activated, after 3 seconds
15-19	reserved
20-24	RGBW color mixing, after 3 seconds
25-29	CMY color mixing, after 3 seconds
30-34	LED built-in Delay Off, after 3 seconds
35-39	LED built-in Delay On, after 3 seconds
40-44	Reserved
45-49	Reserved
50-54	Pan reset, after 3 seconds
55-59	Tilt reset, after 3 seconds
60-64	Zoom reset, after 3 seconds
65-69	Reserved
70-74	All reset, after 3 seconds
75-79	Reserved
80-84	Reserved
85-89	Reserved
90-94	Reserved
95-99	Reserved
100-104	Reserved
105-109	Reserved
110-114	Reserved
115-119	Reserved
120-124	Fan low speed
125-129	Fan full speed
130-134	Fan auto
135-139	Dimmer fast
140-144	Dimmer smooth
145-164	No function
165-169	Output = Full
170-174	Output = White
175-247	Reserved
248-255	Reserved

Channel 93 – Dimmer (CH6, CH7, CH8, CH9, CH10, CH11, CH12 must be set between 1-255 and CH18 between 20-255 ⚠)

0-255	Dimmer intensity, from dark to brightest

Channel 94 – Shutter / Strobe (CH6, CH7, CH8, CH9, CH10, CH11, CH12 and CH17 must be set between 1-255 ⚠)

0-19	Shutter closed
20-24	Shutter open
25-64	Strobe 1 with decreasing speed

65-69	Shutter open
70-84	Strobe 2(fast on, slow off) with decreasing speed
85-89	Shutter open
90-104	Strobe 3(slow on, fast off) with decreasing speed
105-109	Shutter open
110-124	Strobe 4(random strobe) with decreasing speed
125-129	Shutter open
130-144	Strobe 5(random fast on, slow off)with decreasing speed
145-149	Shutter open
150-164	Strobe 6(random slow on, fast off) with decreasing speed
165-169	Shutter open
170-184	Strobe 7(pulse strobe) with decreasing speed
185-189	Shutter open
190-204	Strobe 8(random pulse strobe) with decreasing speed
205-209	Shutter open
210-224	Strobe 9(fade on or off) with decreasing speed
225-229	Shutter open
230-244	Strobe 10(pulse strobe) with decreasing speed
245-255	Shutter open

Channel 95– Zoom

0-255	Gradual zoom adjustment, from small to big (3,6°-60°)

Channel 96 – Channel Functions (Desired function starts after 5 seconds setting DMX value)

0-9	No Function
10-14	Pan/Tilt black activated, after 3 seconds
15-19	reserved
20-24	RGBW color mixing, after 3 seconds
25-29	CMY color mixing, after 3 seconds
30-34	LED built-in Delay Off, after 3 seconds
35-39	LED built-in Delay On, after 3 seconds
40-44	Reserved
45-49	Reserved
50-54	Pan reset, after 3 seconds
55-59	Tilt reset, after 3 seconds
60-64	Zoom reset, after 3 seconds
65-69	Reserved
70-74	All reset, after 3 seconds
75-79	Reserved
80-84	Reserved
85-89	Reserved
90-94	Reserved
95-99	Reserved
100-104	Reserved
105-109	Reserved
110-114	Reserved
115-119	Reserved
120-124	Fan low speed
125-129	Fan full speed
130-134	Fan auto
135-139	Dimmer fast
140-144	Dimmer smooth
145-164	No function
165-169	Output = Full
170-174	Output = White
175-247	Reserved
248-255	Reserved

DMX Channels

177 Channels Advanced 16bit

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 – Red Main Dimmer intensity (CH173 must be set between 1-255 and CH175 between 20-255 ⚠)
0-255	Gradual adjustment Red from 0-100%

Channel 7 – Red Main Dimmer 16Bit (CH173 must be set between 1-255 and CH175 between 20-255 ⚠)
0-255	Fine dimmer intensity, from dark to brightest

Channel 8 – Green Dimmer intensity (CH173 must be set between 1-255 and CH175 between 20-255 ⚠)
0-255	Gradual adjustment Green from 0-100%

Channel 9 – Green Main Dimmer 16Bit (CH173 must be set between 1-255 and CH175 between 20-255 ⚠)
0-255	Fine dimmer intensity, from dark to brightest

Channel 10 – Blue Dimmer intensity (CH173 must be set between 1-255 and CH175 between 20-255 ⚠)
0-255	Gradual adjustment Blue from 0-100%

Channel 11 – Blue Main Dimmer 16Bit (CH173 must be set between 1-255 and CH175 between 20-255 ⚠)
0-255	Fine dimmer intensity, from dark to brightest

Channel 12 – White Dimmer intensity (CH173 must be set between 1-255 and CH175 between 20-255 ⚠)
0-255	Gradual adjustment White from 0-100%

Channel 13 – White Main Dimmer 16Bit (CH173 must be set between 1-255 and CH175 between 20-255 ⚠)
0-255	Fine dimmer intensity, from dark to brightest

Channel 14 – Red Dimmer LED 1 intensity (CH173 must be set between 1-255 and CH175 between 20-255 ⚠️)

0-255	Gradual adjustment Red from 0-100%

Channel 15 – Red Dimmer LED 1 16Bit (CH173 must be set between 1-255 and CH175 between 20-255 ⚠️)

0-255	Fine dimmer intensity, from dark to brightest

Channel 16 – Green Dimmer LED 1 intensity (CH173 must be set between 1-255 and CH175 between 20-255 ⚠️)

0-255	Gradual adjustment Green from 0-100%

Channel 17 – Green Dimmer LED 1 16Bit (CH173 must be set between 1-255 and CH175 between 20-255 ⚠️)

0-255	Fine dimmer intensity, from dark to brightest

Channel 18 – Blue Dimmer LED 1 intensity (CH173 must be set between 1-255 and CH175 between 20-255 ⚠️)

0-255	Gradual adjustment Blue from 0-100%

Channel 19 – Blue Dimmer LED 1 16Bit (CH173 must be set between 1-255 and CH175 between 20-255 ⚠️)

0-255	Fine dimmer intensity, from dark to brightest

Channel 20 – White Dimmer LED 1 intensity (CH173 must be set between 1-255 and CH175 between 20-255 ⚠️)

0-255	Gradual adjustment White from 0-100%

Channel 21 – White Dimmer LED 1 16Bit (CH173 must be set between 1-255 and CH175 between 20-255 ⚠️)

0-255	Fine dimmer intensity, from dark to brightest

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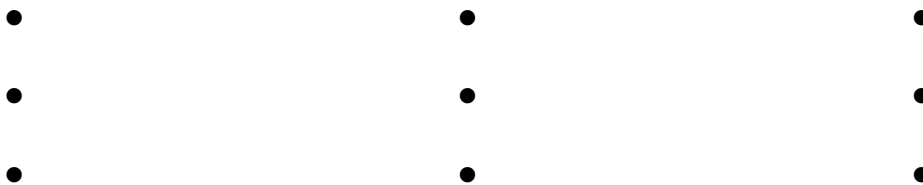
Channel 158 – Red Dimmer LED 19 intensity (CH173 must be set between 1-255 and CH175 between 20-255 ⚠️)

0-255	Gradual adjustment Red from 0-100%

Channel 159 – Red Dimmer LED 19 16Bit (CH173 must be set between 1-255 and CH175 between 20-255 ⚠️)

0-255	Fine dimmer intensity, from dark to brightest

Channel 160 – Green Dimmer LED 19 intensity (CH173 must be set between 1-255 and CH175 between 20-255 ⚠ **)**

0-255	Gradual adjustment Green from 0-100%

Channel 161 – Green Dimmer LED 19 16Bit (CH173 must be set between 1-255 and CH175 between 20-255 ⚠ **)**

0-255	Fine dimmer intensity, from dark to brightest

Channel 162 – Blue Dimmer LED 19 intensity (CH173 must be set between 1-255 and CH175 between 20-255 ⚠ **)**

0-255	Gradual adjustment Blue from 0-100%

Channel 163 – Blue Dimmer LED 19 16Bit (CH173 must be set between 1-255 and CH175 between 20-255 ⚠ **)**
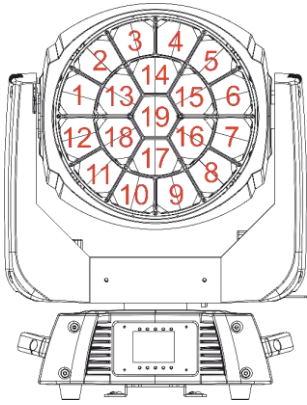
0-255	Fine dimmer intensity, from dark to brightest

Channel 164 – White Dimmer LED 19 intensity (CH173 must be set between 1-255 and CH175 between 20-255 ⚠ **)**

0-255	Gradual adjustment White from 0-100%

Channel 165 – White Dimmer LED 19 16Bit (CH173 must be set between 1-255 and CH175 between 20-255 ⚠ **)**

0-255	Fine dimmer intensity, from dark to brightest

Channel 166 – CTC correction (CH6 CH7, CH8, CH9, CH11, CH17 must be set between 1-255, CH18 between 20-255 ⚠ **)**

0	No function
1-255	Color temperature correction from 19000K to 2700K

Channel 167 – Color correction (CH173 must be set between 1-255 and CH175 between 20-255 ⚠ **)**

0	No function
1-2	White 2700K (R=156, G=118, B=0, W=63
3-4	White 3200K (R=156, G=141, B=5, W=89)
5-6	White 4200K (R=156, G=141, B=14, W=255)
7-8	White 5600K (R=156, G=207, B=54, W=255)
9-10	White 8000K (R=130, G=255, B=96, W=255)
11	Blue (R=0, G=0, B=255, W=0)
12-48	R=0, G+, B=255, W=0
49	Cyan (R=0, G=255, B=255, W=0)
50-86	R=0, G=255, B-, W=0
87	Green (R=0, G=255, B=0, W=0)
88-124	R+, G=255, B=0, W=0
125	Yellow (R=255, G=255, B=0, W=0)
126-162	R=255, G-, B=0, W=0
163	Red (R=255, G=0, B=0, W=0)
164-200	R=255, G=0, B+, W=0
201	Magenta (R=255, G=0, B=255, W=0)
202-238	R-, G=0, B=255, W=0
239	Blue (R=0, G=0, B=255, W=0)
240-247	Color fade with decreasing speed
248-255	Color jump with decreasing speed

Channel 168 – Gobos (CH17 must be set between 1-255 and CH18 between 20-255 ⚠)

0	No function
1	Gobo 1
2	Gobo 2
3	Gobo 3
4	Gobo 4
5	Gobo 5

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●	●	●
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250	Gobo 250
251	Gobo 251
252	Gobo 252
253	Gobo 253
254	Gobo 254
255	On

Channel 169 – LED Built-in (CH17 must be set between 1-255 and CH18 between 20-255 ⚠)

0-15	No function
16	LED built-in 1
17	LED built-in 2
18	LED built-in 3
19	LED built-in 4
20	LED built-in 5

●	●	●
●	●	●
●	●	●

112	LED built-in 1
113	LED built-in 98
114	LED built-in 99
115	LED built-in 100
116	LED built-in 101
117-135	On
136	LED built-in 102 (main)
137	LED built-in 103 (main)
138	LED built-in 104 (main)
139	LED built-in 105 (main)
140	LED built-in 106 (main)

●	●	●
●	●	●
●	●	●

232	LED built-in 199 (main)
233	LED built-in 200 (main)
234	LED built-in 201 (main)

235	LED built-in 202 (main)
236	LED built-in 203 (main)
237-255	LED built-in 204 (main)

Channel 170– LED Built-in Speed (CH13 must be set between 16-255, CH17 must be set between 1-255, and CH18 between 20-255 ⚠)

0	No function
1-255	Speed adjustment, from slow to fast

Channel 171 – Background Color (CH17 must be set between 1-255 and CH18 between 20-255 ⚠)

0	No function
1-2	White 2700K(R=156, G=118, B=0, W=63
3-4	White 3200K(R=156, G=141, B=5, W=89)
5-6	White 4200K(R=156, G=141, B=14, W=255)
7-8	White 5600K(R=156, G=207, B=54, W=255)
9-10	White 8000K(R=130, G=255, B=96, W=255)
11	Blue （R=0, G=0, B=255, W=0)
12-48	R=0, G+, B=255, W=0
49	Cyan (R=0, G=255, B=255, W=0)
50-86	R=0, G=255, B-, W=0
87	Green (R=0, G=255, B=0, W=0)
88-124	R+, G=255, B=0, W=0
125	Yellow (R=255, G=255, B=0, W=0)
126-162	R=255, G-, B=0, W=0
163	Red (R=255, G=0, B=0, W=0)
164-200	R=255, G=0, B+, W=0
201	Magenta (R=255, G=0, B=255, W=0)
202-238	R-, G=0, B=255, W=0
239	Blue (R=0, G=0, B=255, W=0)
240-247	Color fade with decreasing speed
248-255	Color jump with decreasing speed

Channel 172 – Background Color Dimmer (CH 15 and CH17 must be set between 1-255, CH18 between 20-255 ⚠)

0-255	Dimmer intensity, from dark to brightest

Channel 173 – Master Dimmer (CH6, CH7, CH8, CH9, CH10, CH11, CH12 must be set between 1-255 and CH18 between 20-255 ⚠)

0-255	Dimmer intensity, from dark to brightest

Channel 174 – Master Dimmer 16Bit (CH6, CH7, CH8, CH9, CH10, CH11, CH12 must be set between 1-255 and CH18 between 20-255 ⚠)

0-255	Dimmer intensity, from dark to brightest

Channel 175 – Shutter / Strobe (CH6, CH7, CH8, CH9, CH10, CH11, CH12 and CH17 must be set between 1-255 ⚠)

0-19	Shutter closed
20-24	Shutter open
25-64	Strobe 1 with decreasing speed
65-69	Shutter open
70-84	Strobe 2(fast on, slow off) with decreasing speed
85-89	Shutter open
90-104	Strobe 3(slow on, fast off) with decreasing speed
105-109	Shutter open

110-124	Strobe 4(random strobe) with decreasing speed
125-129	Shutter open
130-144	Strobe 5(random fast on, slow off)with decreasing speed
145-149	Shutter open
150-164	Strobe 6(random slow on, fast off) with decreasing speed
165-169	Shutter open
170-184	Strobe 7(pulse strobe) with decreasing speed
185-189	Shutter open
190-204	Strobe 8(random pulse strobe) with decreasing speed
205-209	Shutter open
210-224	Strobe 9(fade on or off) with decreasing speed
225-229	Shutter open
230-244	Strobe 10(pulse strobe) with decreasing speed
245-255	Shutter open

Channel 176– Zoom

0-255	Gradual zoom adjustment, from small to big (3,6°-60°)

Channel 177 – Channel Functions (Desired function starts after 5 seconds setting DMX value)

0-9	No Function
10-14	Pan/Tilt black activated, after 3 seconds
15-19	reserved
20-24	RGBW color mixing, after 3 seconds
25-29	CMY color mixing, after 3 seconds
30-34	LED built-in Delay Off, after 3 seconds
35-39	LED built-in Delay On, after 3 seconds
40-44	Reserved
45-49	Reserved
50-54	Pan reset, after 3 seconds
55-59	Tilt reset, after 3 seconds
60-64	Zoom reset, after 3 seconds
65-69	Reserved
70-74	All reset, after 3 seconds
75-79	Reserved
80-84	Reserved
85-89	Reserved
90-94	Reserved
95-99	Reserved
100-104	Reserved
105-109	Reserved
110-114	Reserved
115-119	Reserved
120-124	Fan low speed
125-129	Fan full speed
130-134	Fan auto
135-139	Dimmer fast
140-144	Dimmer smooth
145-164	No function
165-169	Output = Full
170-174	Output = White
175-247	Reserved
248-255	Reserved

DMX Channels

76+13 Channels ArtNet + DMX
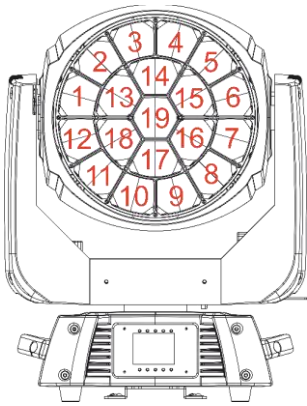
Channel 1 – Red Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Red from 0-100%

Channel 2 – Green Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Green from 0-100%

Channel 3 – Blue Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Blue from 0-100%

Channel 4 – White Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment White from 0-100%

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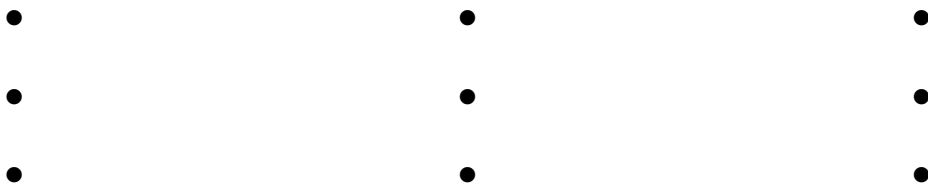
Channel 73 – Red Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Red from 0-100%

Channel 74 – Green Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Green from 0-100%

Channel 75 – Blue Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment Blue from 0-100%

Channel 76 – White Dimmer LED 1 intensity (CH93 must be set between 1-255 and CH94 between 20-255 ⚠)

0-255	Gradual adjustment White from 0-100%

DMX 13 Channels

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 – Red Main Dimmer intensity (CH10 must be set between 1-255 and CH11 between 20-255 ⚠)

0-255	Gradual adjustment Red from 0-100%

Channel 7 – Green Dimmer intensity (CH10 must be set between 1-255 and CH11 between 20-255 ⚠)

0-255	Gradual adjustment Green from 0-100%

Channel 8 – Blue Dimmer intensity (CH10 must be set between 1-255 and CH11 between 20-255 ⚠)

0-255	Gradual adjustment Blue from 0-100%

Channel 9 – White Dimmer intensity (CH10 must be set between 1-255 and CH11 between 20-255 ⚠)

0-255	Gradual adjustment White from 0-100%

Channel 10 – Dimmer (CH6, CH7, CH8, CH9 must be set between 1-255 and CH11 between 20-255 ⚠)

0-255	Dimmer intensity, from dark to brightest

Channel 11 – Shutter / Strobe (CH6, CH7, CH8, CH9 must be set between 1-255 and CH11 between 20-255 ⚠)

0-19	Shutter closed
20-24	Shutter open
25-64	Strobe 1 with decreasing speed
65-69	Shutter open
70-84	Strobe 2(fast on, slow off) with decreasing speed
85-89	Shutter open
90-104	Strobe 3(slow on, fast off) with decreasing speed
105-109	Shutter open
110-124	Strobe 4(random strobe) with decreasing speed
125-129	Shutter open
130-144	Strobe 5(random fast on, slow off)with decreasing speed
145-149	Shutter open
150-164	Strobe 6(random slow on, fast off) with decreasing speed
165-169	Shutter open
170-184	Strobe 7(pulse strobe) with decreasing speed
185-189	Shutter open
190-204	Strobe 8(random pulse strobe) with decreasing speed
205-209	Shutter open
210-224	Strobe 9(fade on or off) with decreasing speed

225-229	Shutter open
230-244	Strobe 10(pulse strobe) with decreasing speed
245-255	Shutter open

Channel 12– Zoom

0-255	Gradual zoom adjustment, from small to big (3,6°-60°)

Channel 13 – Channel Functions (Desired function starts after 5 seconds setting DMX value)

0-9	No Function
10-14	Pan/Tilt black activated, after 3 seconds
15-19	reserved
20-24	RGBW color mixing, after 3 seconds
25-29	CMY color mixing, after 3 seconds
30-34	LED built-in Delay Off, after 3 seconds
35-39	LED built-in Delay On, after 3 seconds
40-44	Reserved
45-49	Reserved
50-54	Pan reset, after 3 seconds
55-59	Tilt reset, after 3 seconds
60-64	Zoom reset, after 3 seconds
65-69	Reserved
70-74	All reset, after 3 seconds
75-79	Reserved
80-84	Reserved
85-89	Reserved
90-94	Reserved
95-99	Reserved
100-104	Reserved
105-109	Reserved
110-114	Reserved
115-119	Reserved
120-124	Fan low speed
125-129	Fan full speed
130-134	Fan auto
135-139	Dimmer fast
140-144	Dimmer smooth
145-164	No function
165-169	Output = Full
170-174	Output = White
175-247	Reserved
248-255	Reserved

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 Showtec Infinity iW-1941 RDM 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 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.

Replacing a 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.

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 LEDs, the fuse.
First try to reset the device to its original factory default settings (**3. Settings Menu** see page 22).
01) Power supply. Check that the unit is plugged into an appropriate power supply.
02) The LEDs. Return the Infinity to your Showtec dealer.
03) The fuse. Replace the fuse. See page 48 for replacing the fuse.
04) If all of the above appears to be O.K., plug the unit in again.
05) If you are unable to determine the cause of the problem, do not open the Infinity, as this may damage the unit and the warranty will become void.
06) Return the device to your Showtec dealer.

No Response to DMX

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

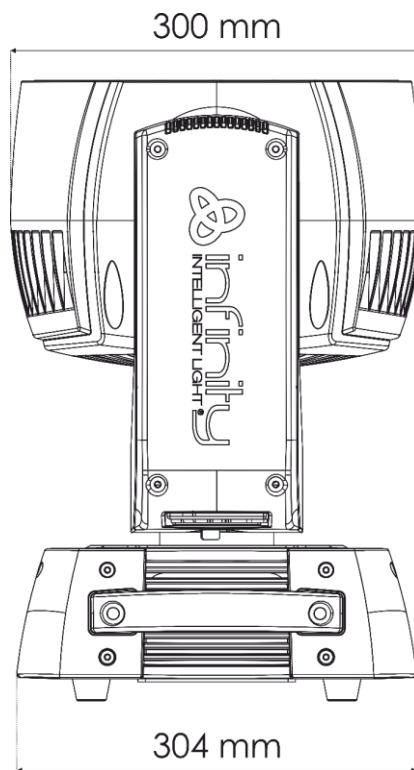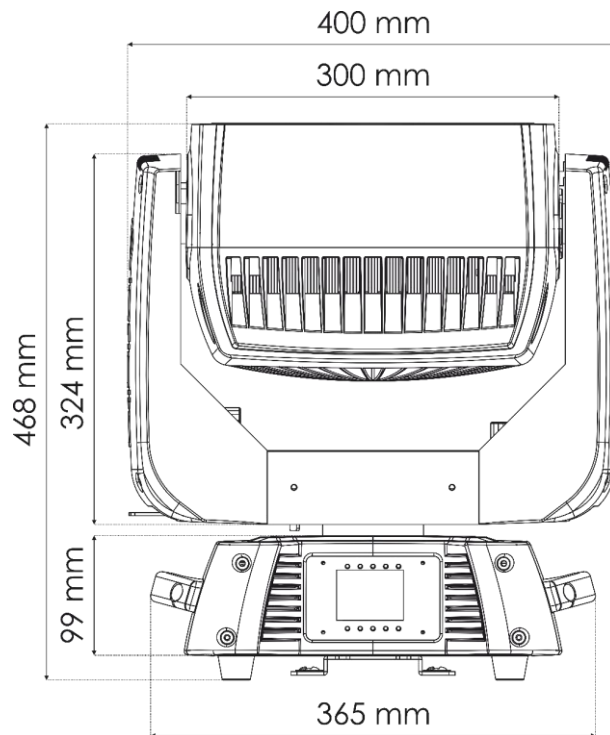| Problem	Probable cause(s)	Solution
One or more fixtures do not function at all	No power to the fixture	• Check if power is switched on and cables are plugged in
	Primary fuse blown	• Replace fuse
Fixtures reset correctly, but all respond erratically or not at all to the controller	The controller is not connected.	• Connect controller.
	3-pin/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
No light or LEDs cut out intermittently	Fixture is too hot	• Allow the fixture to cool down • Clean the fan • Make sure air vents 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 iW-1941 RDM
Input Voltage:	100-240V AC, 50/60Hz (auto ranging)
Power consumption:	625W (full output)
DMX linking:	30pcs
Power linking @120V	2pcs
Power linking @240V	5pcs
Fuse:	T10AL/250V
Dimensions:	365 x 304 x 468 mm (LxWxH)
Weight:	19,26 kg
Operating and Programming:	
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)
DMX Mode:	25, 96, 177, 76+13 channels
Signal input:	3-pin XLR IN
Signal output:	3-pin XLR OUT
Electro-mechanical effects:	
Light source:	19x 40W RGBW (Osram)
Lux @ 3 m:	101571
Color mixing:	RGBW, CMY
Beam angle:	3,6°-60°
Motorized zoom:	3,6°-60°
Dimmer:	0-100%, 16 bit
Dimmer speed:	Smooth, Fast
Strobe:	0-20Hz
Pan:	540°
Tilt:	270°
Pan/Tilt resolution:	16 bit
Dimming Curves:	Linear, Square, Inv-Square, S-curve
Housing:	Metal & Flame retardant plastic
IP rating:	IP20
DMX control:	via standard DMX/RDM controller
Onboard:	Battery powered full color display including gravity sensor
Wireless DMX:	Optional available
Color balance:	Separate RGBW adjustment
Control Protocol:	DMX, Artnet, RDM
Pixel control	
Selectable PWM rate by DMX	
Control:	DMX-512, Master/Slave, Built-in Programs
Connections:	3-pin + 5-pin XLR data IN/OUT, Neutrik PowerCON IN/OUT
Max. ambient temperature t_a:	45°C
Max. housing temperature t_B:	80°C
Minimum distance:	
Minimum distance from flammable surfaces:	0,5 m
Minimum distance to lighted object:	1,5 m

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

CE

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

infinity
INTELLIGENT LIGHT

Dimensions

400 mm
300 mm
468 mm
324 mm
99 mm
365 mm

300 mm
304 mm

Notes