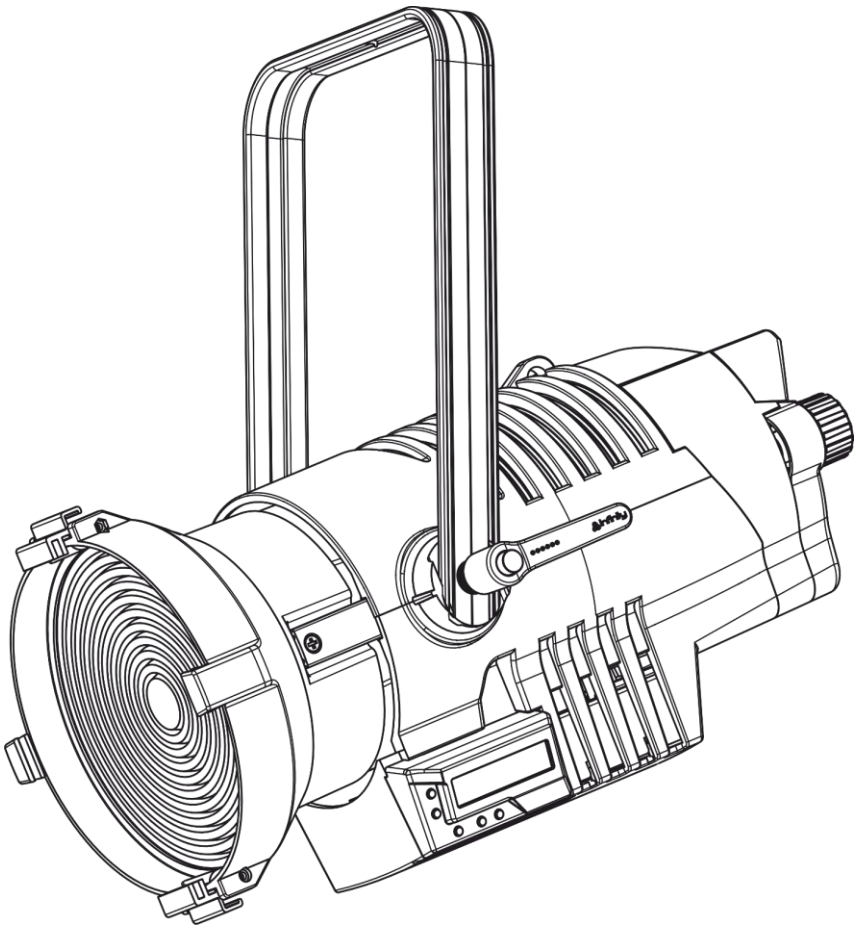
MANUAL



ENGLISH

Infinity TF-260C7 Fresnel V2

Ordercode: 200203
Firmware Version 1.04

Table of contents

Warning

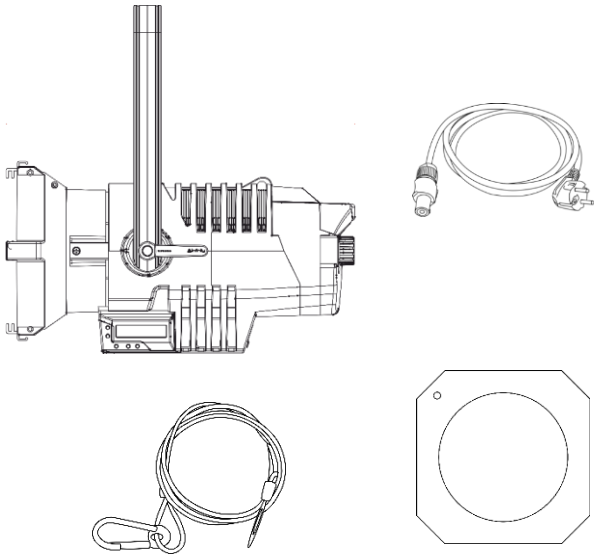
For your own safety, please read this user manual carefully before your initial start-up!

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 TF-260C7 Fresnel
- Neutrik PowerCON to Schuko power cable (1,4 m)
- Filter Frame
- Safety cable
- 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 modify, bend, mechanically strain, put pressure on, pull or heat up the power cord.
- Never strain the cable insert or the female part in the device. There must always be sufficient cable going to the device. Otherwise, the cable will be damaged, which can cause serious damage.
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never lift the device holding it by the projector-head, as the mechanics may be damaged. Always hold the device 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 use the device during thunderstorms, unplug the device immediately.
- Never leave various parts of the packaging (plastic bags, polystyrene foam, nails, etc.) within children's reach, as they are potential sources of danger.
- Do not insert objects into air vents.
- Do not open the device and do not modify the device.
- Do not connect this device to a dimmer pack.
- 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 device 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 device 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.
- Make sure that the core diameter of extension cords and power cords is sufficient for the required power consumption of the device.
- If the lens is obviously damaged, it has to be replaced to prevent its functions from being impaired, due to cracks or deep scratches.
- If the external cable is damaged, it has to be replaced by a qualified technician.
- 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 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 device 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 device. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

CAUTION! Eyedamages!!!
Avoid looking directly into the lightsource!!!
(meant especially for epileptics)!!!

Operating Determinations

- This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
- The minimum distance between light output and the illuminated surface must be bigger than 1 meter.
- In order to eliminate wear and improve the device's lifespan, during periods of non-use, completely disconnect from power source via breaker or by unplugging.
- The maximum ambient temperature t_a = 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!

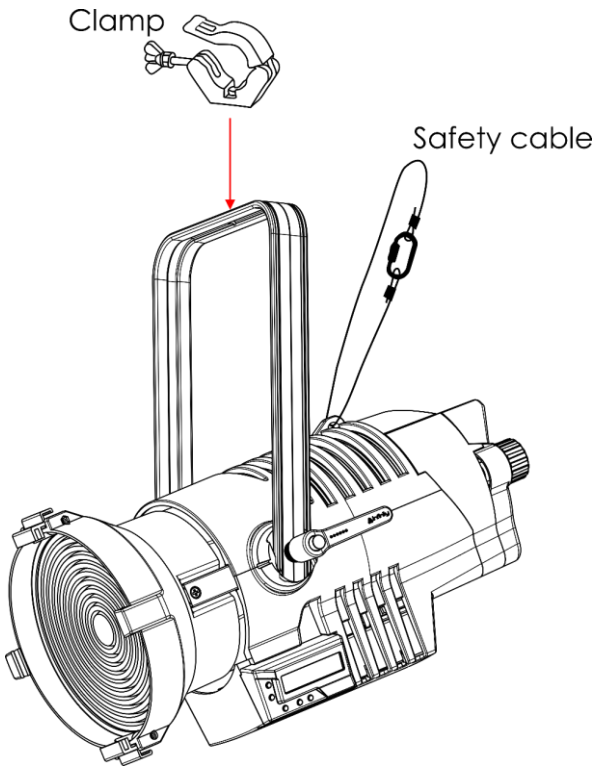
Rigging

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 device is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the device, with the mounting-bracket, to the trussing system.
- The device 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 device, always make sure, that the area below the installation place is blocked and staying in the area is forbidden.



The Infinity TF-260C7 Fresnel can be placed on a flat stage floor or mounted to any kind of truss with a clamp.

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

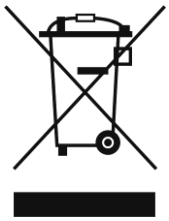
Connection with the mains

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

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.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 Signature TF-260C7 fixture is perfectly equipped for theatre and film applications. Seamlessly choosing the right colour temperature, adding the perfectly calibrated colour out of the virtual stroller, cancelling out rolling shutter and built-in Tungsten simulations. All these features combined turn the TF-260C7 into the only fixture for any TV-application. Lighting larger areas in a specified colour is no issue for the TF-260C7 Fresnel. With RGB, CMY or HSI control the desired colour is at your fingertips without worrying about the best possible mix from the 7 colours source, intelligence is inside. The zoom focus mechanism is easy and intuitive, both manually and motorized by DMX applicable between 15° to 50°.

- 260W Lumiled 7 colour LED engine using custom designed array
- CRI > 96 Consistently on full CCT range
- LED Colour Linearity Compensation
- LED Colour Temperature Drift Compensation (on all LEDs)
- Optics Colour Shift compensation
- Manual and motorized 15°-50° zoom control
- Colour wheel with 64 spectrum matching Filter gels
- 2000 – 8000K Seamless CCT channel
- RGB, CMY and HSI Colour control
- 16 bit Intelligent high resolution virtual dimming
- Tungsten mode with natural colour drift & timing simulations
- Flicker-Free with selectable PWM by DMX
- 1CH DMX mode for conventional replacement
- Input voltage: 100-240V AC, 50/60Hz
- Power consumption: 280W
- Power factor: 0,97
- Light source: 260W Lumiled 7-color LED using custom designed array
- Light output: 3500lm
- CRI: Consistently >96 (High CRI Mode)
- Color temperature: 2000K-8000K
- Beam angles: 15°–50°
- Dimmer: 0–100 %
- Strobe: 0–20 Hz
- Dimmer curves: Linear, Gamma 2.0, Gamma 2.2, S-curve
- DMX channels: 1, 6, 7, 11, 11, 11 or 21 channels
- Ambient temperature: 0°-40°C (operating)
- Startup temperature: -10°-45°C
- IP rating: IP20, indoor use only
- Fan mode: Silent, Auto, Full
- DMX-control: via standard DMX/RDM controller
- Control: DMX-512, Manual control, RDM
- Housing: Black aluminum, sheet metal, molded engineering grade plastics
- Connections: Neutrik PowerCON (IN/OUT), Neutrik 3-pin XLR data (IN/OUT), Neutrik 5-pin XLR data (IN/OUT)
- Dimensions: 474 x 322 x 457 mm (LxWxH) (incl. bracket)
- Weight: 8,66 kg

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

Optional accessories

200250 - Filterframe for Infinity Fresnel
200251 – Barndoor for Infinity Fresnel

DMX Channel Modes

Dimmer Mode, 1CH
Basic Mode, 6CH
Tungsten Mode, 7CH
HSI Pro Mode, 11CH
RGB Pro Mode, 11CH
CMY Pro Mode, 11CH
RAW Mode, 21CH

Overview

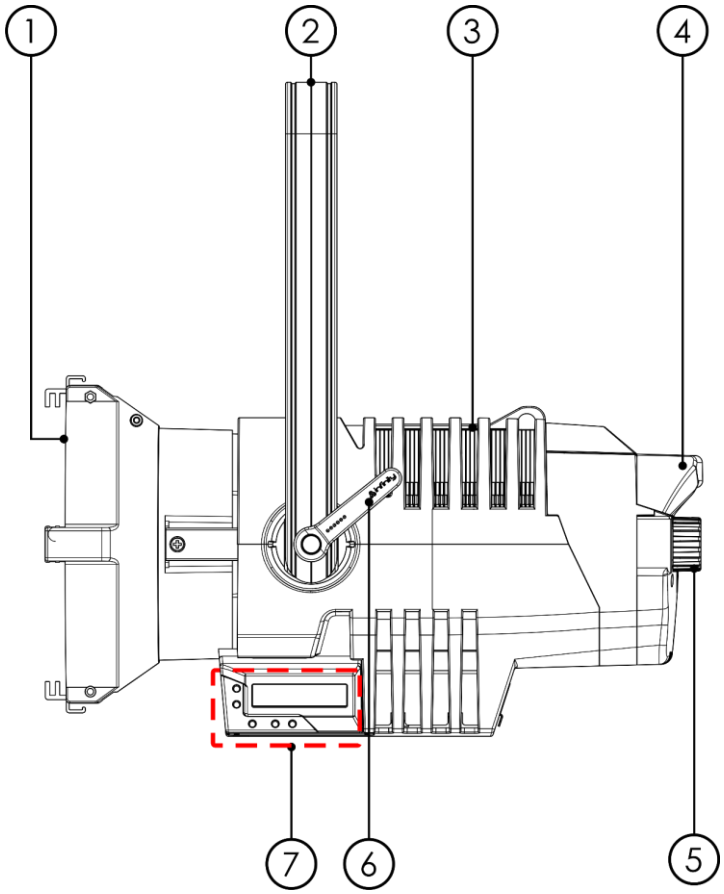


Fig. 02

01) 260W Lumiled 7 colour LED
02) Mounting bracket
03) Safety eye
04) Rear handle
05) Manual Focus
06) Adjustment handle
07) Control buttons + LC-display

Backside

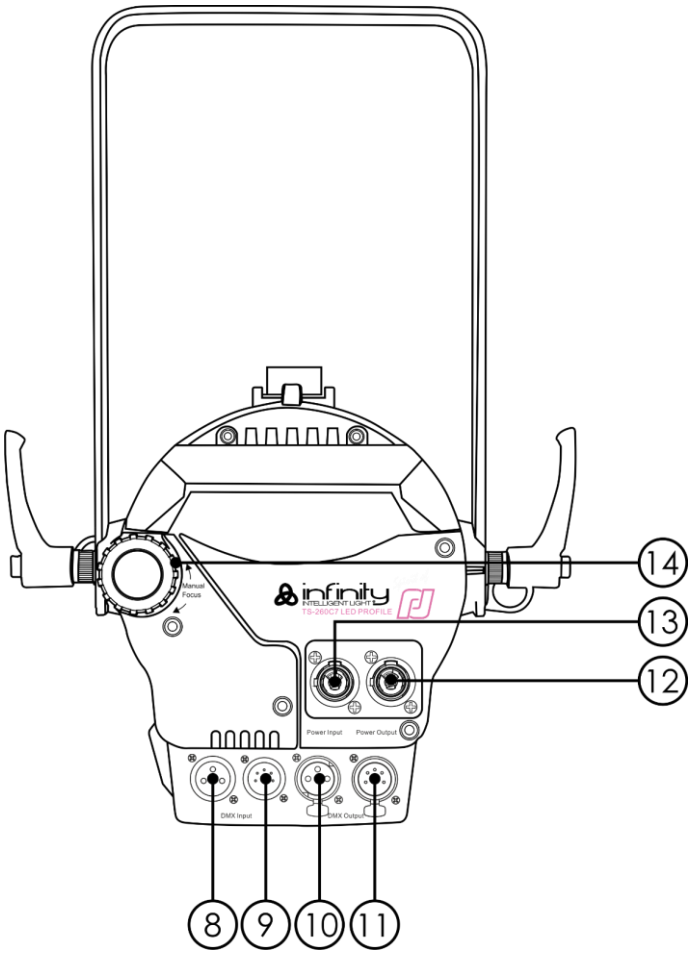


Fig. 03

08) Neutrik 3-pin DMX signal connector IN
09) Neutrik 5-pin DMX signal connector IN
10) Neutrik 3-pin DMX signal connector OUT
11) Neutrik 5-pin DMX signal connector OUT
12) Neutrik PowerCON IN (Blue)
13) Neutrik PowerCON OUT (Grey)
14) Manual Focus

Installation

Remove all packing materials from the Infinity TF-260C7 Fresnel. 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.

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 2 modes:

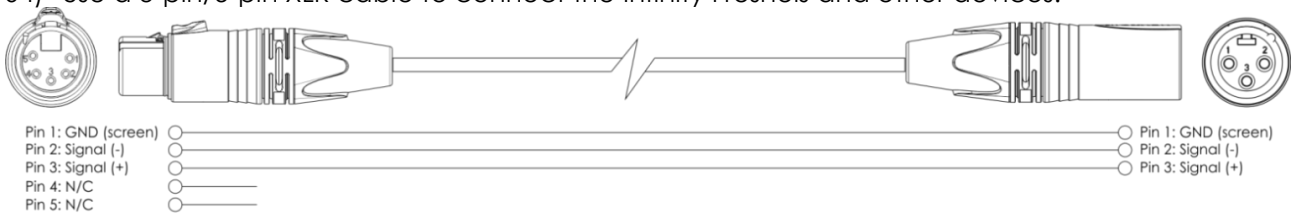
- Manual control
- DMX512 (1CH, 6CH, 7CH, 11CH, 11CH, 11CH or 21CH)

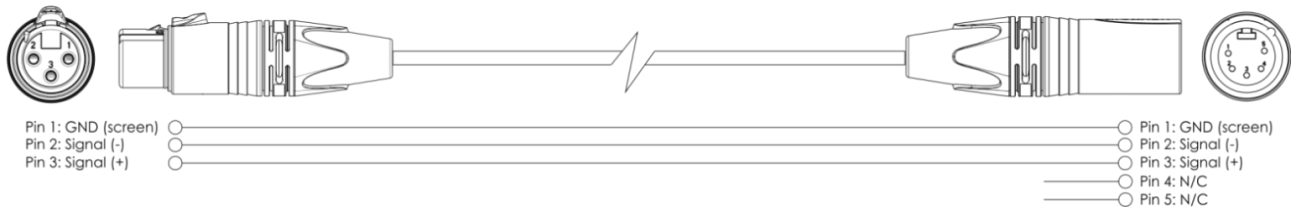
One Infinity Fresnel (Manual control)

01) Fasten the effect light onto firm trussing. Leave at least 0,5 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 Fresnel is not connected with a DMX cable, it functions as a stand-alone device.
05) Please see pages 17 for more information about the Manual control mode.

Multiple Infinity Fresnels (DMX Control)

01) Fasten the effect light onto firm trussing. Leave at least 0,5 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/5-pin XLR cable to connect the Infinity Fresnels and other devices.





05) Link the units as shown in fig. 04. 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 Fresnels DMX Set Up

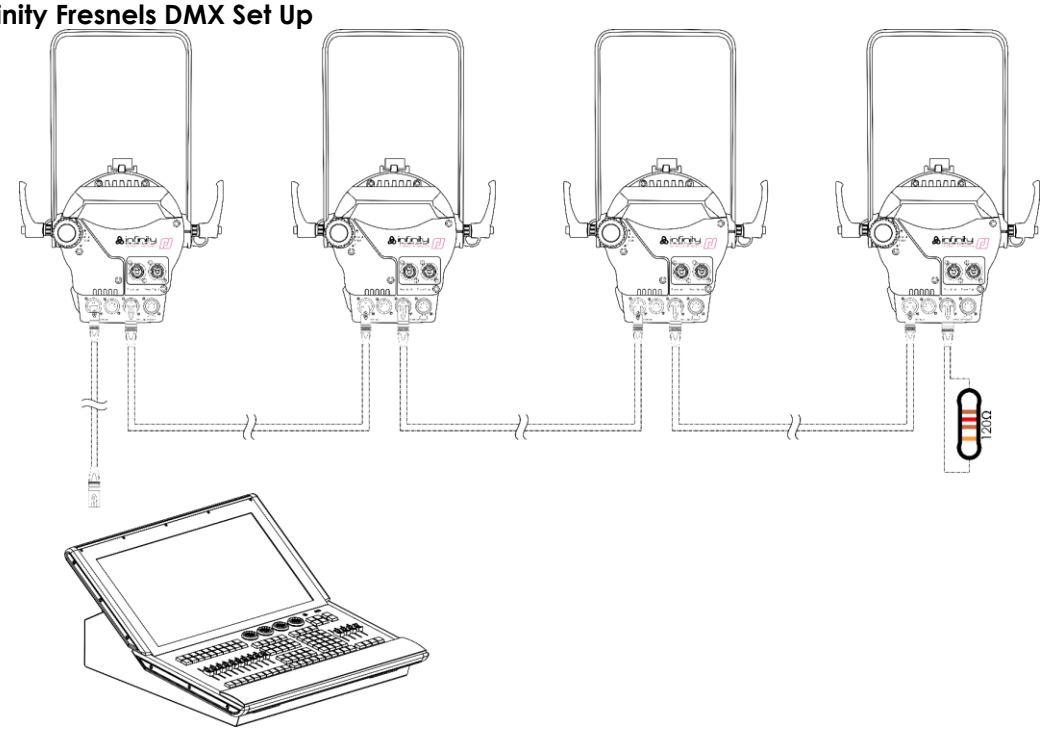


Fig. 04

Note: Link all cables before connecting electric power

Fixture Linking

You will need a serial data link to run light shows of one or more fixtures using a DMX-512 controller or to run synchronized shows 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: 6 fixtures
Maximum recommended number of fixtures on a power link @230V: 12 fixtures

Data Cabling

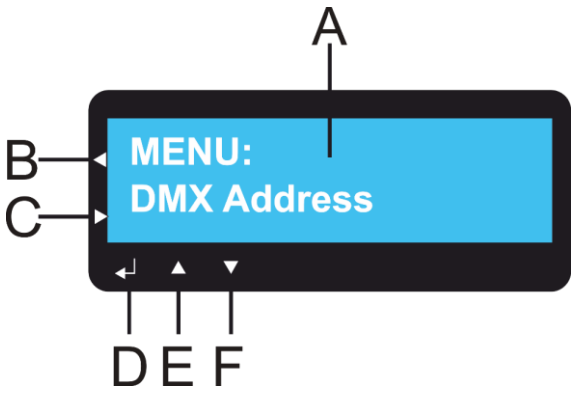
To link fixtures together you must obtain data cables. You can purchase DAP Audio certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic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

DMX Data Cables

- DAP 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 data cable FL08 DMX/AES-EBU, XLR/M 5-pin > XLR/F 5-pin. **Ordercode** FL08150 (1,5 m), FL083 (3 m), FL086 (6 m), FL0810 (10 m), FL0820 (20 m).
- DAP DMX adapter: 5-pin > 3-pin. **Ordercode** FLA29.
- DAP DMX adapter: 3-pin > 5-pin. **Ordercode** FLA30.
- DAP DMX Terminator 3-pin. **Ordercode** FLA42.
- DAP DMX Terminator 5-pin. **Ordercode** FLA43.

The Infinity TF-260C7 Fresnel can be operated with a controller in **control mode** or without the controller in **stand-alone mode**.

Control Panel



A) LC-display
B) Home button
C) Return button
D) Enter button
E) Up button
F) Down button

Fig. 05

Control Mode

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

DMX Addressing

The control panel on the front side of the base allows you to assign the DMX fixture address, which is the first channel from which the Infinity Fresnel will respond to the controller.
Please note when you use the controller, the unit has **21** channels.
When using multiple Infinity Fresnels, make sure you set the DMX addresses right.
Therefore, the DMX address of the first Infinity Fresnels should be **1(001)**; the DMX address of the second Infinity Fresnels should be **1+21=22 (022)**; the DMX address of the third Infinity Fresnels should be **22+21=43 (043)**, etc.
Please, be sure that you do not have any overlapping channels in order to control each Infinity Fresnels correctly. If two or more Infinity Fresnels are addressed similarly, they will work similarly.

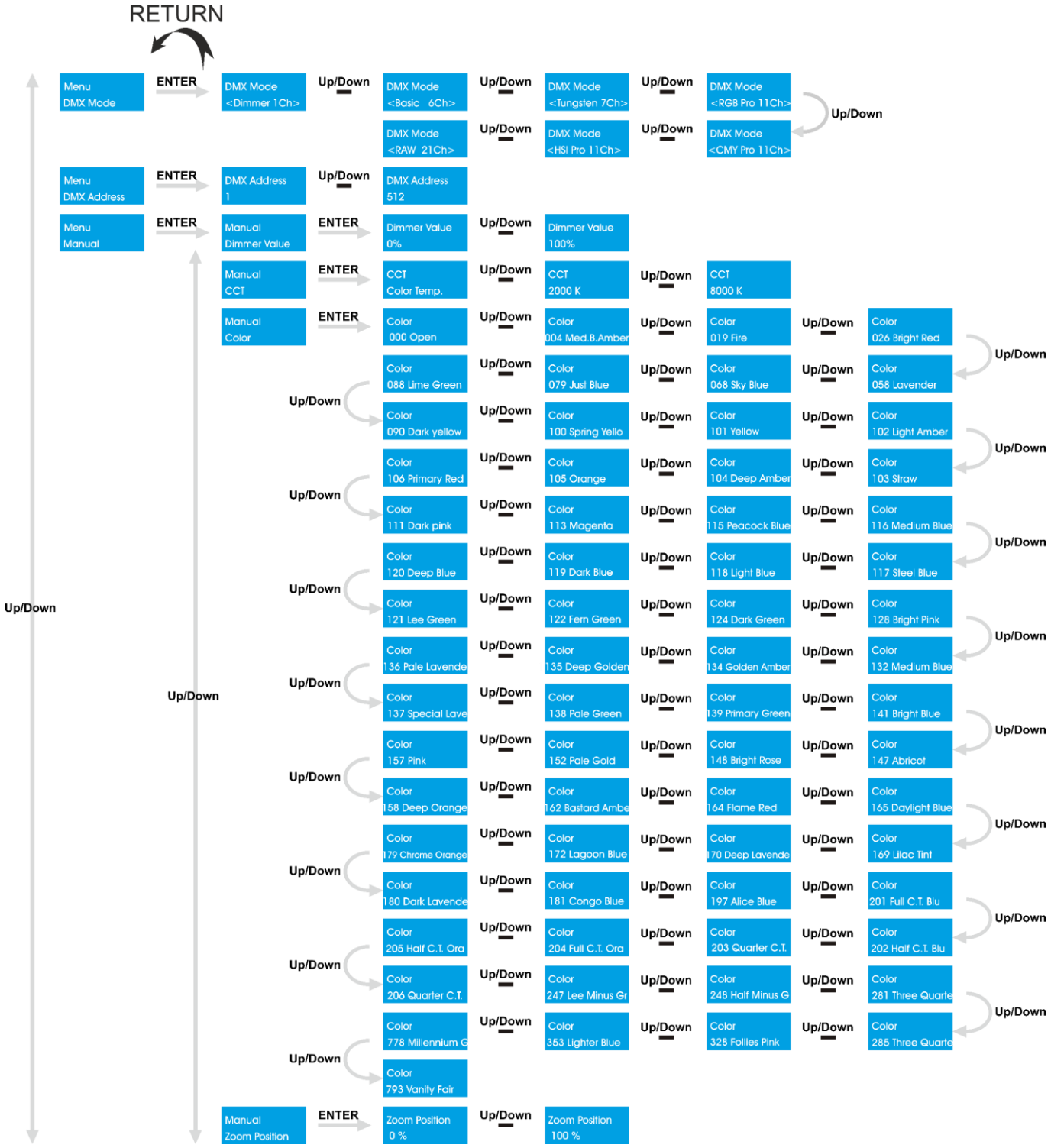
Controlling:

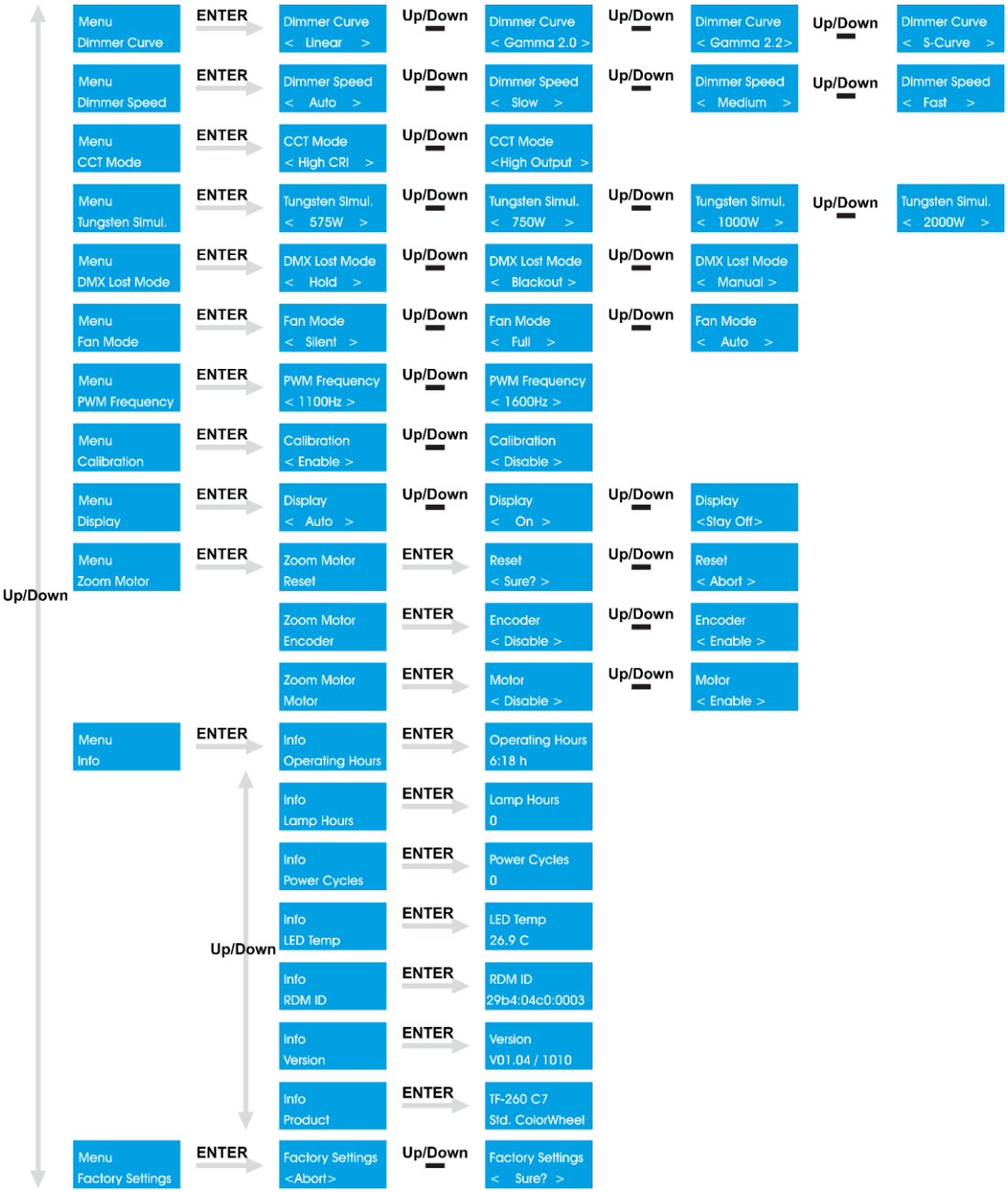
After having addressed all Infinity Fresnel fixtures, you may now start operating these via your lighting controller.
Note: After switching on, the Infinity Fresnel will automatically detect whether DMX 512 data is received or not. If not the problem may be:

- The XLR cable from the controller is not connected with the input of the Infinity Fresnel.
- The controller is switched off or defective, the cable or connector is detective, or the signal wires are swapped in the input connector.

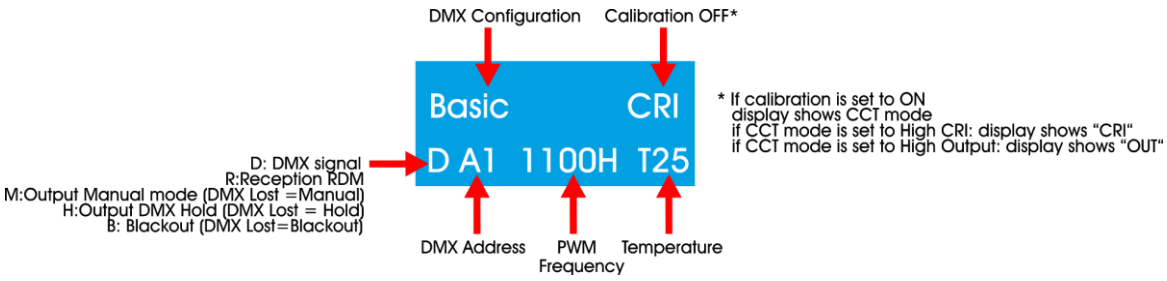
Note: It's necessary to insert a XLR termination plug (with 120 Ohm) in the last fixture in order to ensure proper transmission on the DMX data link.

Menu Overview




Menu Dimmer Curve
ENTER
Dimmer Curve < Linear >
Up/Down
Dimmer Curve < Gamma 2.0 >
Up/Down
Dimmer Curve < Gamma 2.2>
Up/Down
Dimmer Curve < S-Curve >
Menu Dimmer Speed
ENTER
Dimmer Speed < Auto >
Up/Down
Dimmer Speed < Slow >
Up/Down
Dimmer Speed < Medium >
Up/Down
Dimmer Speed < Fast >
Menu CCT Mode
ENTER
CCT Mode < High CRI >
Up/Down
CCT Mode <High Output >
Menu Tungsten Simul.
ENTER
Tungsten Simul. < 575W >
Up/Down
Tungsten Simul. < 750W >
Up/Down
Tungsten Simul. < 1000W >
Up/Down
Tungsten Simul. < 2000W >
Menu DMX Lost Mode
ENTER
DMX Lost Mode < Hold >
Up/Down
DMX Lost Mode < Blackout >
Up/Down
DMX Lost Mode < Manual >
Menu Fan Mode
ENTER
Fan Mode < Silent >
Up/Down
Fan Mode < Full >
Up/Down
Fan Mode < Auto >
Menu PWM Frequency
ENTER
PWM Frequency < 1100Hz >
Up/Down
PWM Frequency < 1600Hz >
Menu Calibration
ENTER
Calibration < Enable >
Up/Down
Calibration < Disable >
Menu Display
ENTER
Display < Auto >
Up/Down
Display < On >
Up/Down
Display <Stay Off>
Menu Zoom Motor
ENTER
Zoom Motor Reset
ENTER
Reset < Sure? >
Up/Down
Reset < Abort >
Up/Down
Zoom Motor Encoder
ENTER
Encoder < Disable >
Up/Down
Encoder < Enable >
Zoom Motor Motor
ENTER
Motor < Disable >
Up/Down
Motor < Enable >
Menu Info
ENTER
Info Operating Hours
ENTER
Operating Hours 6:18 h
Info Lamp Hours
ENTER
Lamp Hours 0
Info Power Cycles
ENTER
Power Cycles 0
Info LED Temp
ENTER
LED Temp 26.9 C
Info RDM ID
ENTER
RDM ID 29b4:04c0:0003
Info Version
ENTER
Version V01.04 / 1010
Info Product
ENTER
TF-260 C7 Std. ColorWheel
Menu Factory Settings
ENTER
Factory Settings <Abort>
Up/Down
Factory Settings < Sure? >
Up/Down
Up/Down
Up/Down

The Infinity TF-260C7 will show the Info screen at start-up !



Press the **Home button** (B) to switch between the Info screen and the current menu mode.
Press the **Return button** (C) to go back to the main menu.

Activate Focus Mode

Press and hold down the **Home button** (B) for 2 sec. The output will be open white 3200K(Focus mode).
The device automatically returns to normal mode after 3 min. or when the **Home button** is pressed again.

Main Menu Options

Menu DMX Mode	DMX Configuration
Menu DMX Address	DMX Address
Menu Manual	Manual mode
Menu Dimmer Curve	Dimmer curves
Menu Dimmer Speed	Dimmer speed
Menu CCT Mode	CCT mode
Menu Tungsten Simul.	Tungsten mode
Menu DMX Lost Mode	DMX Lost mode
Menu Fan Mode	Fan mode
Menu PWM Frequency	PWM Frequency
Menu Calibration	Calibration
Menu Display	Display
Menu Zoom Motor	Zoom Motor
Menu Info	Info
Menu Factory Settings	Reset factory settings

1. DMX Configuration

In this menu you can choose a DMX configuration.

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / DMX Mode.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to choose one of the 7 channel modes DMX Mode <Dimmer 1Ch>, DMX Mode <Basic 6Ch>, DMX Mode <Tungsten 7Ch>, DMX Mode <RGB Pro 11Ch>, DMX Mode <CMY Pro 11Ch>, DMX Mode <HSI Pro 11Ch> or DMX Mode <RAW 21Ch>.
04) Press the **ENTER** button to confirm.

2. DMX Address

In this menu you can set the DMX address.

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / DMX Address.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to set the device's DMX starting address. The adjustment range is between DMX Address 1 **Up/Down** DMX Address 512.
04) Press the **ENTER** button to confirm.

3. Manual

In this menu you can set the manual settings from the Infinity Fresnel.

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / Manual.
02) Press the **ENTER** button to open the submenu.
03) Press the **UP/DOWN** buttons to choose between 4 options:

Manual / Dimmer Value	Dimmer
Manual / CCT	Color temperature
Manual / Color	Color wheel
Manual / Zoom Position	Zoom Position

04) Press the **ENTER** button to confirm.

3.1 Dimmer

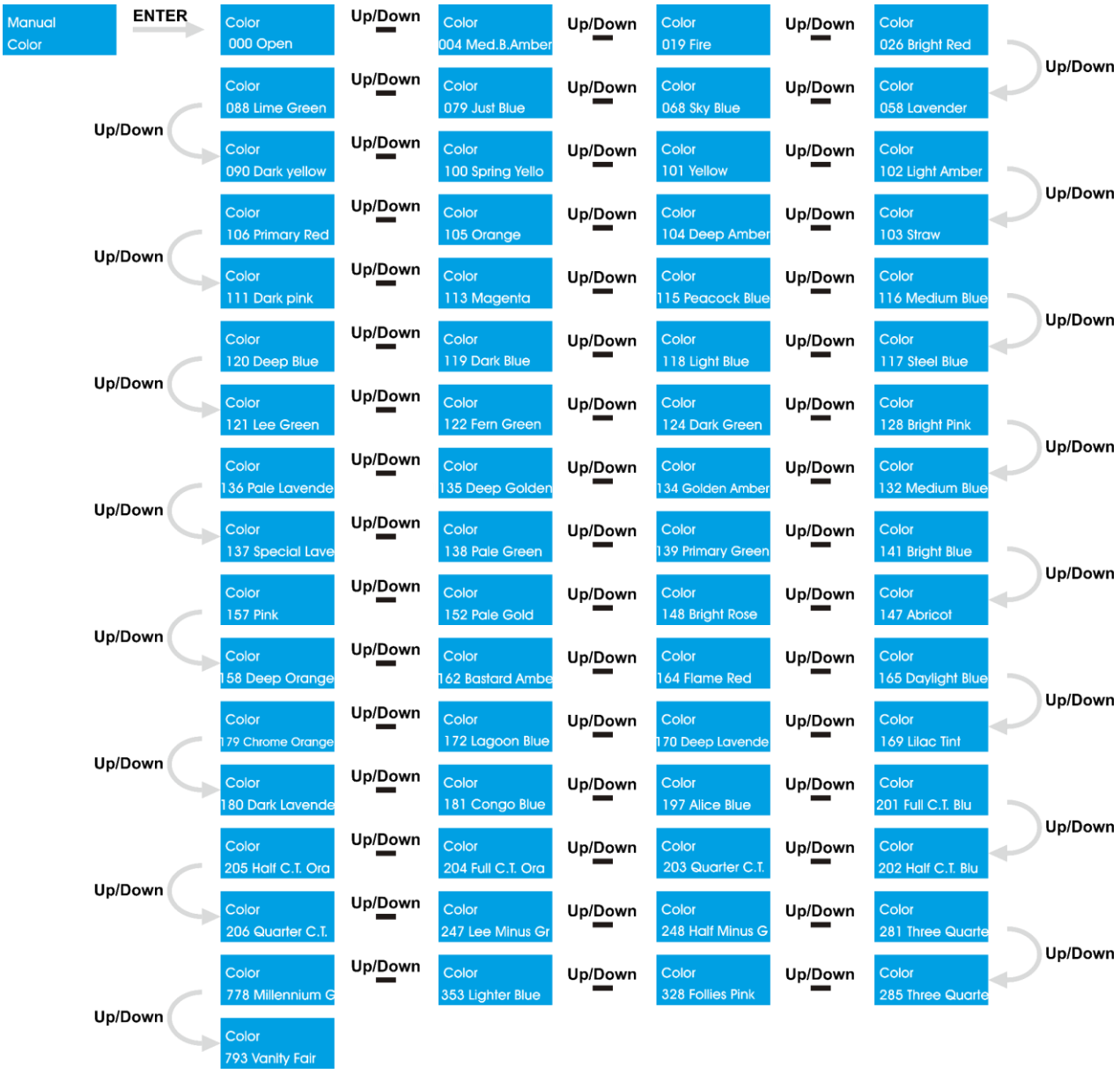
01) Press the **UP/DOWN** buttons until the display shows Manual / Dimmer Value.
02) Press the **ENTER** button to open the submenu.
03) Press the **UP/DOWN** buttons to set the dimmer value. The adjustment range is between Dimmer Value 0% **Up/Down** Dimmer Value 100%.
04) Press the **ENTER** button to confirm.

3.2 Color Temperature

01) Press the **UP/DOWN** buttons until the display shows Manual / CCT.
02) Press the **ENTER** button to open the submenu.
03) Press the **UP/DOWN** buttons to set the color temperature. The adjustment range is between CCT 2000 K **Up/Down** CCT 8000 K, in increments of 10K.
04) Press the **ENTER** button to confirm.

3.3 Color Wheel

01) Press the **UP/DOWN** buttons until the display shows Manual Color.
02) Press the **ENTER** button to open the submenu.
03) Press the **UP/DOWN** buttons to choose one of the 64 preset colors and white:



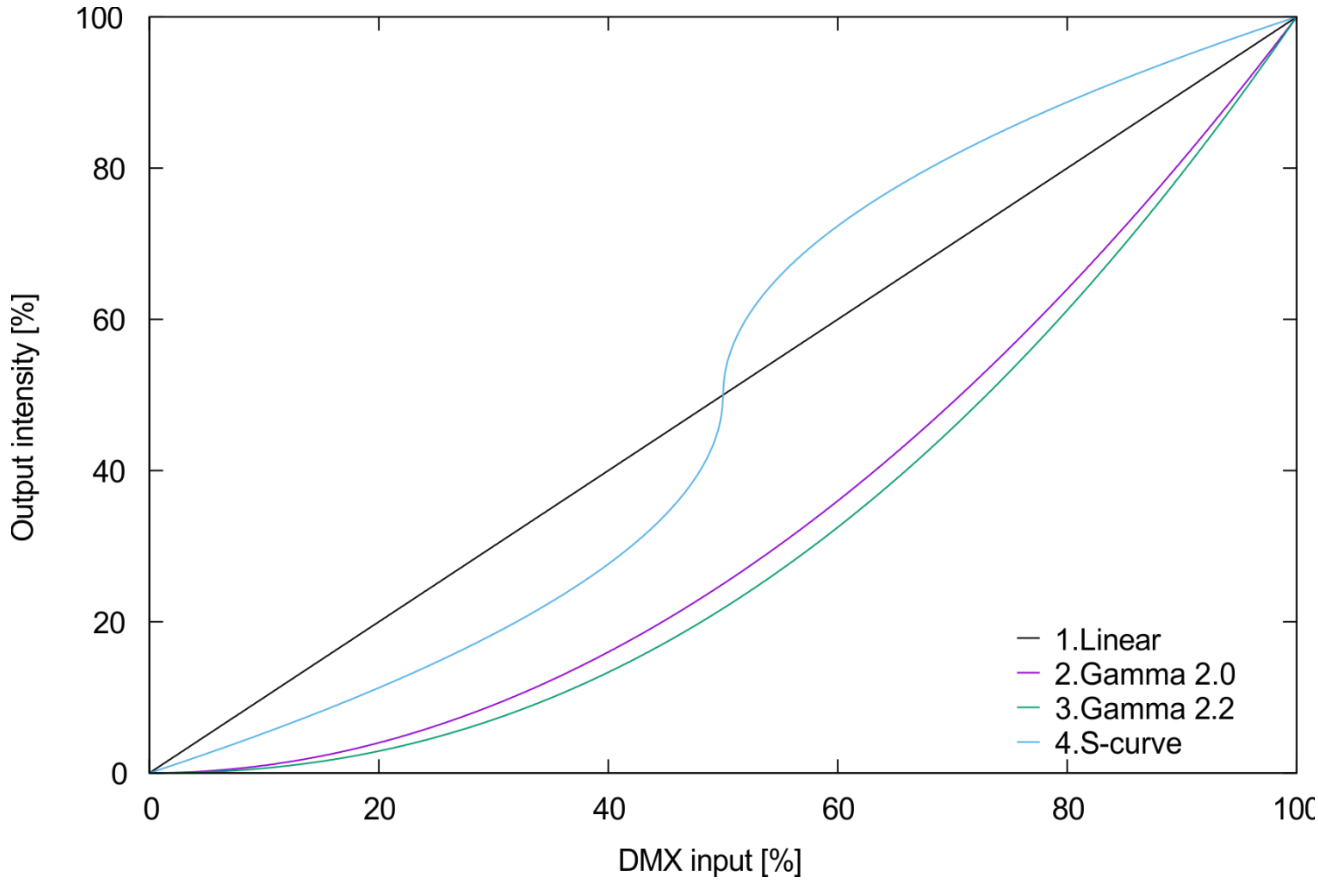
04) Press the **ENTER** button to confirm.

3.4 Zoom Position

05) Press the **UP/DOWN** buttons until the display shows Manual Zoom Position.
06) Press the **ENTER** button to open the submenu.
07) Press the **UP/DOWN** buttons to set the dimmer value. The adjustment range is between Zoom Position 0 % Up/Down Zoom Position 100 %.
08) Press the **ENTER** button to confirm.

4. Dimmer Curves
In this menu you can choose a dimmer curve.

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / Dimmer Curve.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to choose from the 4 available options:



04) Press the **ENTER** button to confirm.

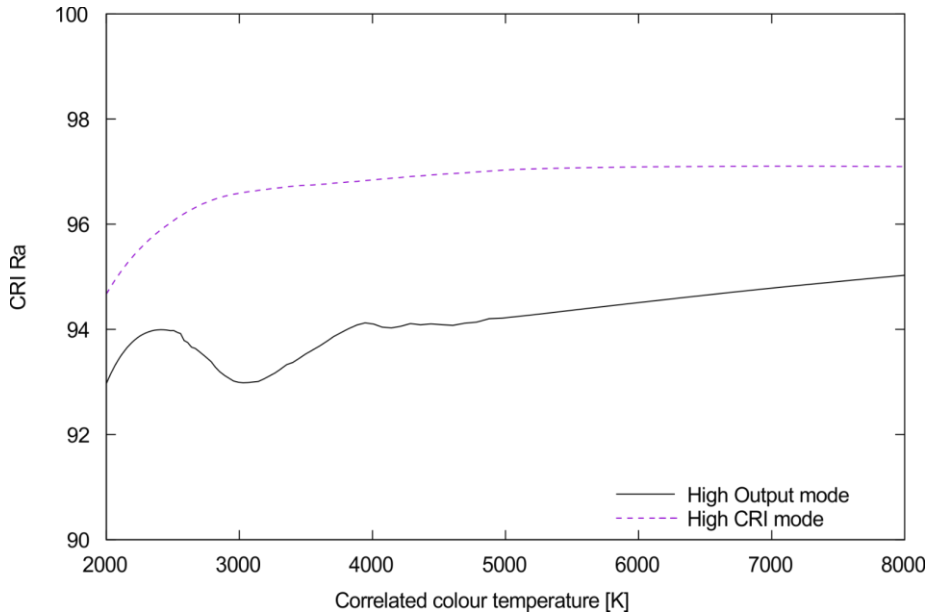
5. Dimmer Speed
In this menu you can set the dimmer speed.

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / Dimmer Speed.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to set the dimmer speed. Choose one of the 4 options
Dimmer Speed < Auto > Up/Down Dimmer Speed < Slow > Up/Down Dimmer Speed < Medium > Up/Down Dimmer Speed < Fast >.
04) Press the **ENTER** button to confirm.

6. CCT Mode

In this menu you can choose between different outputs in the CCT mode.

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / CCT Mode.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to choose between CCT Mode < High CRI > and CCT Mode <High Output >.
04) If you choose CCT Mode < High CRI >, the color rendering index is maximized at the expense of the output. The device reaches a minimum of 96 CRI with a maximum of 97,7. This is reached around 3000K.
05) If you choose CCT Mode <High Output >, it will maximize the output at the expense of a lower CRI. The CRI will be reduced to at least 93 CRI while delivering between 20-30% of additional brightness depending on the color temperature.
06) Press the **ENTER** button to confirm.



7. Tungsten Simulation

In this menu you can simulate several outputs of a Tungsten fixture.

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / Tungsten Simul..
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to choose the desired output. Choose one of the 4 options
Tungsten Simul. < 575W > **Up/Down** Tungsten Simul. < 750W > **Up/Down** Tungsten Simul. < 1000W > **Up/Down** Tungsten Simul. < 2000W >.
04) Press the **ENTER** button to confirm.
05) In Tungsten mode, the fixture will use its own special Dimmer curve, so you can't use the dimmer curves from the main menu. They won't work in the Tungsten mode.
06) In Tungsten mode, the fixture uses its own dimmer timing, so Dimmer Speed will not work either.

8. DMX Lost Mode

In this menu you can determine the behaviour of the Infinity Fresnel in case of a DMX failure.
The display will blink (only if Display set to "Auto Off").

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / DMX Lost Mode.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to choose one of the 3 options:

DMX Lost Mode < Hold > — The device will fall back on the last properly working DMX signal from before the DMX signal error, which ensures undisrupted performance.

DMX Lost Mode < Blackout > — The device will black out in case of a DMX failure.

DMX Lost Mode < Manual > — The device will fall back on the last working settings from Manual mode.

04) Press the **ENTER** button to confirm.

9. Fan Mode

In this menu you can control the speed of the fan.

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / Fan Mode.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to set the speed of the fan. Choose one of the 3 options
Fan Mode < Silent > **Up/Down** Fan Mode < Full > **Up/Down** Fan Mode < Auto >.
04) Press the **ENTER** button to confirm.

10. PWM Frequency

In this menu you can set the PWM frequency.

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / PWM Frequency.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to set the device's PWM frequency. The adjustment range is between
PWM Frequency < 1100Hz > **Up/Down** PWM Frequency < 1600Hz >, in increments of 10Hz.
04) Press the **ENTER** button to confirm.

11. Calibration

In this menu you can enable or disable the color calibration software.

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / Calibration.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to choose between Calibration < Enable > and Calibration < Disable >.
04) If you choose Calibration < Enable >, the color calibration software will be activated (recommended).
05) Press the **ENTER** button to confirm.

12. Display

In this menu you can set the backlight of the display.

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / Display.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to choose one of the 3 options:

Display < Auto > — The display will turn off in 60 seconds.

Display < On > — The display will be continuously on.

Display <Stay Off> — The display will be off.

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

13. Zoom Motor

In this menu you can set the manual settings from the zoom motor.

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / Zoom Motor.
02) Press the **ENTER** button to open the submenu.
03) Press the **UP/DOWN** buttons to choose between 3 options:

Zoom Motor / Reset	Reset motor
Zoom Motor / Encoder	Encode
Zoom Motor / Motor	Enable motor

04) Press the **ENTER** button to confirm.

13.1 Reset Motor

01) Press the **UP/DOWN** buttons until the display shows Zoom Motor / Reset.
02) Press the **ENTER** button to open the submenu.
03) Press the **UP/DOWN** buttons to choose between Reset / < Sure? > or Reset / < Abort >.
04) Press the **ENTER** button to confirm the reset of the motor, the display will show Motor Reset.
05) If you choose Reset / < Abort >, the motor will not be reset.

13.2 Encoder

01) Press the **UP/DOWN** buttons until the display shows Zoom Motor / Encoder.
02) Press the **ENTER** button to open the submenu.
03) Press the **UP/DOWN** buttons to choose between Encoder / < Enable > or Encoder / < Disable >.
04) Press the **ENTER** button to confirm.
05) If you choose Encoder / < Disable >, there will be no motor errors visible in the software when something blocks the motor or if you manually move the zoom control while the device is operated by DMX.

13.3 Enable Motor

01) Press the **UP/DOWN** buttons until the display shows Zoom Motor / Motor.
02) Press the **ENTER** button to open the submenu.
03) Press the **UP/DOWN** buttons to choose between Motor enable / < Enable > or Motor enable / < Disable >
04) Press the **ENTER** button to confirm.
05) If you choose Motor enable / < Disable >, it will completely turn off the electronical part of the motor, so you can only control the zoom manually.

14. Info

In this menu you can view the information about the device.

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / Info.
02) Press the **ENTER** button to open the menu.
03) The display will show:

Info / Operating Hours	ENTER	Operating Hours / 6:18 h	Operating hours device
Info / Lamp Hours	ENTER	Lamp Hours / 0	Actual Lamp hours
Info / Power Cycles	ENTER	Power Cycles / 0	Number of times the device has been started up
Info / LED Temp	ENTER	LED Temp / 26.9 C	LED Temperature
Info / RDM ID	ENTER	RDM ID / 29b4:04c0:0003	RDM identification number
Info / Version	ENTER	Version / V01.04 / 1010	Current Software version
Info / Product	ENTER	TF-260 C7 / Std. ColorWheel	Product Name

04) Press the **UP/DOWN** buttons to scroll through the options.
05) Press the **ENTER** button to confirm.

15. Reset Factory Settings

In this menu you can reset to the default settings.

01) While in the main menu, press the **UP/DOWN** buttons until the display shows Menu / Factory Settings.
02) Press the **ENTER** button to open the menu.
03) Press the **UP/DOWN** buttons to choose between Factory Settings <Abort> **Up/Down** Factory Settings < Sure? >.
04) Press the **ENTER** button to confirm your choice.
05) If you choose Factory Settings <Abort>, the device will not reset to its default settings.
06) If you choose Factory Settings < Sure? >, press the **ENTER** button to confirm.
07) The device will now reset to its default settings.

DMX Channels Quickguide

Infinity TF-260C7	Dimmer	Basic	Thungsten	RGB Pro	CMY Pro	HSI Pro	RAW
7Color Profile	Mode (1CH)	Mode (6CH)	Mode (7CH)	Mode (11CH)	Mode (11CH)	Mode (17CH)	Mode (21CH)
Dimmer Coarse	1	1	1	1	1	1	1
Dimmer Fine			2	2	2	2	2
Strobe		2	3	3	3	3	3
CCT		3		4	4	4	
Color Wheel		4	4	8	8	8	18
CW Crossfade		5	5	9	9	9	19
Hue Coarse						5	
Hue Fine						6	
Saturation						7	
Red Coarse				5			4
Red Fine							5
Green Coarse				6			10
Green Fine							11
Blue Coarse				7			14
Blue Fine							15
Cyan Coarse					5		12
Cyan Fine							13
Magenta					6		
Yellow					7		
Amber Coarse							6
Amber Fine							7
Lime Coarse							8
Lime Fine							9
Deep Blue Coarse							16
Deep Blue Fine							17
Control			7	11	11	11	21
Zoom		6	6	10	10	10	20

DMX Channels

1 Channel (Basic)

Channel 1 – Dimmer Coarse

0-255	Dimmer intensity, from dark to brightest 0-100%

6 Channels (Basic)

Channel 1 – Dimmer Coarse

0-255	Dimmer intensity, from dark to brightest 0-100%

Channel 2 – Shutter/Strobe

0-5	Closed
6-249	Strobe frequency, from low to high frequency
250-255	Open

Channel 3 – Color Temperature (CCT) (CH1 must be set between 1-255 and CH2 between 6-255 ⚠)

0-96	2000K-2800K
97-98	2800K
99-112	2800K-3000K
113-114	3000K
115-126	3000K-3200K
127-129	3200K
130-169	3200K-4000K
170-171	4000K
172-218	4000K-5600K
219-220	5600K
221-226	5600K-6000K
227-228	6000K
229-254	6000K-8000K
255	8000K

Channel 4 – Color wheel (CH1 must be set between 1-255 and CH2 between 6-255 ⚠)

0-7	No function	
8-10	Medium bastard amber	Lee 004
11-13	Fire	Lee 019
14-16	Bright red	Lee 026
17-19	Lavender	Lee 058
20-22	Sky blue	Lee 068
23-25	Just blue	Lee 079
26-28	Lime green	Lee 088
29-31	Dark yellow green	Lee 090
32-34	Spring green	Lee 100
35-37	Yellow	Lee 101
38-40	Light amber	Lee 102
41-43	Straw	Lee 103
44-46	Deep amber	Lee 104
47-49	Orange	Lee 105
50-52	Primary red	Lee 106
53-55	Dark pink	Lee 111
56-58	Magenta	Lee 113
59-61	Peacock blue	Lee 115
62-64	Medium blue green	Lee 116
65-67	Steel blue	Lee 117

68-70	Light blue	Lee 118
71-73	Dark blue	Lee 119
74-76	Deep blue	Lee 120
77-79	Lee green	Lee 121
80-82	Fern green	Lee 122
83-85	Dark green	Lee 124
86-88	Bright pink	Lee 128
89-91	Medium blue	Lee 132
92-94	Golden amber	Lee 134
95-97	Deep golden amber	Lee 135
98-100	Pale lavender	Lee 136
101-103	Special lavender	Lee 137
104-106	Pale green	Lee 138
107-109	Primary green	Lee 139
110-112	Bright blue	Lee 141
113-115	Apricot	Lee 147
116-118	Bright rose	Lee 148
119-121	Pale gold	Lee 152
122-124	Pink	Lee 157
125-127	Deep orange	Lee 158
128-130	Bastard amber	Lee 162
131-133	Flame red	Lee 164
134-136	Daylight blue	Lee 165
137-139	Lilac tint	Lee 169
140-142	Deep lavender	Lee 170
143-145	Lagoon blue	Lee 172
146-148	Chrome orange	Lee 179
149-151	Dark lavender	Lee 180
152-154	Congo blue	Lee 181
155-157	Alice blue	Lee 197
158-160	Full CT blue	Lee 201
161-163	Half CT blue	Lee 202
164-166	Quarter CT Blue	Lee 203
167-169	Full CT orange	Lee 204
170-172	Half CT orange	Lee 205
173-175	Quarter CT orange	Lee 206
176-178	Filter minus green	Lee 247
179-181	Half minus green	Lee 248
182-184	Three quarter CT blue	Lee 281
185-187	Three quarter CT orange	Lee 285
188-190	Follies pink	Lee 328
191-193	Lighter blue	Lee 353
194-196	Millenium gold	Lee 778
197-199	Vanity fair	Lee 793
200-255	Reserved	

Channel 5 – Color wheel crossfade time wheel (CH4 must be set between 7-255 ⚠)

0-1	0,1 sec. crossfade
1-2	0,2 sec. crossfade
2-3	0,3 sec. crossfade

252-253	25,3 sec. crossfade
253-254	25,4 sec. crossfade
254-255	25,5 sec. crossfade

Note: The color wheel crossfade time is the time which needs to pass before the device fades from color 1 to color 2.

7 Channels (Thungsten)

Channel 1 – Dimmer Coarse

0-255	Dimmer intensity, from dark to brightest 0-100%

Channel 2 – Dimmer Fine

0-255	Dimmer fine intensity, from dark to brightest 0-100%

Channel 3 – Shutter/Strobe

0-5	Closed
6-249	Strobe frequency, from low to high frequency
250-255	Open

Channel 4 – Color wheel (CH1 must be set between 1-255 and CH3 between 6-255)

0-7	No function	
8-10	Medium bastard amber	Lee 004
11-13	Fire	Lee 019
14-16	Bright red	Lee 026
17-19	Lavender	Lee 058
20-22	Sky blue	Lee 068
23-25	Just blue	Lee 079
26-28	Lime green	Lee 088
29-31	Dark yellow green	Lee 090
32-34	Spring green	Lee 100
35-37	Yellow	Lee 101
38-40	Light amber	Lee 102
41-43	Straw	Lee 103
44-46	Deep amber	Lee 104
47-49	Orange	Lee 105
50-52	Primary red	Lee 106
53-55	Dark pink	Lee 111
56-58	Magenta	Lee 113
59-61	Peacock blue	Lee 115
62-64	Medium blue green	Lee 116
65-67	Steel blue	Lee 117
68-70	Light blue	Lee 118
71-73	Dark blue	Lee 119
74-76	Deep blue	Lee 120
77-79	Lee green	Lee 121
80-82	Fern green	Lee 122
83-85	Dark green	Lee 124
86-88	Bright pink	Lee 128
89-91	Medium blue	Lee 132
92-94	Golden amber	Lee 134
95-97	Deep golden amber	Lee 135
98-100	Pale lavender	Lee 136
101-103	Special lavender	Lee 137
104-106	Pale green	Lee 138
107-109	Primary green	Lee 139

110-112	Bright blue	Lee 141
113-115	Apricot	Lee 147
116-118	Bright rose	Lee 148
119-121	Pale gold	Lee 152
122-124	Pink	Lee 157
125-127	Deep orange	Lee 158
128-130	Bastard amber	Lee 162
131-133	Flame red	Lee 164
134-136	Daylight blue	Lee 165
137-139	Lilac tint	Lee 169
140-142	Deep lavender	Lee 170
143-145	Lagoon blue	Lee 172
146-148	Chrome orange	Lee 179
149-151	Dark lavender	Lee 180
152-154	Congo blue	Lee 181
155-157	Alice blue	Lee 197
158-160	Full CT blue	Lee 201
161-163	Half CT blue	Lee 202
164-166	Quarter CT Blue	Lee 203
167-169	Full CT orange	Lee 204
170-172	Half CT orange	Lee 205
173-175	Quarter CT orange	Lee 206
176-178	Filter minus green	Lee 247
179-181	Half minus green	Lee 248
182-184	Three quarter CT blue	Lee 281
185-187	Three quarter CT orange	Lee 285
188-190	Follies pink	Lee 328
191-193	Lighter blue	Lee 353
194-196	Millenium gold	Lee 778
197-199	Vanity fair	Lee 793
200-255	Reserved	

Channel 5 – Color wheel crossfade time wheel (CH4 must be set between 7-255 ⚠)

0-1	0,1 sec. crossfade
1-2	0,2 sec. crossfade
2-3	0,3 sec. crossfade
	• • •
	• • •
	• • •
252-253	25,3 sec. crossfade
253-254	25,4 sec. crossfade
254-255	25,5 sec. crossfade

Note: The color wheel crossfade time is the time which needs to pass before the device fades from color 1 to color 2.

Channel 6 – Zoom

0-255	Gradual zoom adjustment, from wide to narrow

Channel 7 – Control mode (Hold DMX value for at least 3 sec. before the function takes effect)

0-7	No function
8-15	Dimmer curve 1: Linear
16-23	Dimmer curve 2: Gamma 2.0
24-31	Dimmer curve 3: Gamma 2.2
32-39	Dimmer curve 4: S-curve
40-71	No function
72-79	Simulation source: Tungsten 575W
80-87	Simulation source: Tungsten 750W
88-95	Simulation source: Tungsten 1000W
96-103	Simulation source: Tungsten 2000W
104-111	PWM speed: 1,1 kHz
112-119	PWM speed: 1,2 kHz
120-127	PWM speed: 1,3 kHz
128-135	PWM speed: 1,4 kHz
136-143	PWM speed: 1,5 kHz
144-151	PWM speed: 1,6 kHz
152-159	Calibration disabled
160-167	Calibration enabled
168-175	Fan mode: silent
176-183	Fan mode: auto
184-191	Fan mode: full
192-199	Graphic display: auto off
200-207	Graphic display: on
208-215	CCT mode: High CRI
216-223	CCT mode: High Output
224-249	No function
250	Reset all
251-255	No function

11 Channels (RGB Pro Mode)

Channel 1 – Dimmer Coarse

0-255	Dimmer intensity, from dark to brightest 0-100%

Channel 2 – Dimmer Fine

0-255	Dimmer fine intensity, from dark to brightest 0-100%

Channel 3 – Shutter/Strobe

0-5	Closed
6-249	Strobe frequency, from low to high frequency
250-255	Open

Channel 4 – Color Temperature (CCT) (CH1 must be set between 1-255 and CH3 between 6-255)

0-96	2000K-2800K
97-98	2800K
99-112	2800K-3000K
113-114	3000K
115-126	3000K-3200K
127-129	3200K
130-169	3200K-4000K
170-171	4000K
172-218	4000K-5600K
219-220	5600K
221-226	5600K-6000K
227-228	6000K

229-254	6000K-8000K
255	8000K

Channel 5 – Red Dimmer Coarse (CH1 must be set between 1-255 and CH3 between 6-255 ⚠)

0-255	Gradual adjustment Red from 0-100%

Channel 6 – Green Dimmer Coarse (CH1 must be set between 1-255 and CH3 between 6-255 ⚠)

0-255	Gradual adjustment Green from 0-100%

Channel 7 – Blue Dimmer Coarse (CH1 must be set between 1-255 and CH3 between 6-255 ⚠)

0-255	Gradual adjustment Blue from 0-100%

Channel 8 – Color wheel (CH1 must be set between 1-255 and CH3 between 6-255 ⚠)

0-7	No function	
8-10	Medium bastard amber	Lee 004
11-13	Fire	Lee 019
14-16	Bright red	Lee 026
17-19	Lavender	Lee 058
20-22	Sky blue	Lee 068
23-25	Just blue	Lee 079
26-28	Lime green	Lee 088
29-31	Dark yellow green	Lee 090
32-34	Spring green	Lee 100
35-37	Yellow	Lee 101
38-40	Light amber	Lee 102
41-43	Straw	Lee 103
44-46	Deep amber	Lee 104
47-49	Orange	Lee 105
50-52	Primary red	Lee 106
53-55	Dark pink	Lee 111
56-58	Magenta	Lee 113
59-61	Peacock blue	Lee 115
62-64	Medium blue green	Lee 116
65-67	Steel blue	Lee 117
68-70	Light blue	Lee 118
71-73	Dark blue	Lee 119
74-76	Deep blue	Lee 120
77-79	Lee green	Lee 121
80-82	Fern green	Lee 122
83-85	Dark green	Lee 124
86-88	Bright pink	Lee 128
89-91	Medium blue	Lee 132
92-94	Golden amber	Lee 134
95-97	Deep golden amber	Lee 135
98-100	Pale lavender	Lee 136
101-103	Special lavender	Lee 137
104-106	Pale green	Lee 138
107-109	Primary green	Lee 139
110-112	Bright blue	Lee 141
113-115	Apricot	Lee 147
116-118	Bright rose	Lee 148
119-121	Pale gold	Lee 152
122-124	Pink	Lee 157
125-127	Deep orange	Lee 158
128-130	Bastard amber	Lee 162

131-133	Flame red	Lee 164
134-136	Daylight blue	Lee 165
137-139	Lilac tint	Lee 169
140-142	Deep lavender	Lee 170
143-145	Lagoon blue	Lee 172
146-148	Chrome orange	Lee 179
149-151	Dark lavender	Lee 180
152-154	Congo blue	Lee 181
155-157	Alice blue	Lee 197
158-160	Full CT blue	Lee 201
161-163	Half CT blue	Lee 202
164-166	Quarter CT Blue	Lee 203
167-169	Full CT orange	Lee 204
170-172	Half CT orange	Lee 205
173-175	Quarter CT orange	Lee 206
176-178	Filter minus green	Lee 247
179-181	Half minus green	Lee 248
182-184	Three quarter CT blue	Lee 281
185-187	Three quarter CT orange	Lee 285
188-190	Follies pink	Lee 328
191-193	Lighter blue	Lee 353
194-196	Millenium gold	Lee 778
197-199	Vanity fair	Lee 793
200-255	Reserved	

Channel 9 – Color wheel crossfade time wheel (CH4 must be set between 7-255 ⚠)

0-1	0,1 sec. crossfade
1-2	0,2 sec. crossfade
2-3	0,3 sec. crossfade
•	• •
•	• •
•	• •
252-253	25,3 sec. crossfade
253-254	25,4 sec. crossfade
254-255	25,5 sec. crossfade

Note: The color wheel crossfade time is the time which needs to pass before the device fades from color 1 to color 2.

Channel 10 – Zoom

0-255	Gradual zoom adjustment, from wide to narrow

Channel 11 – Control mode (Hold DMX value for at least 3 sec. before the function takes effect)

0-7	No function
8-15	Dimmer curve 1: Linear
16-23	Dimmer curve 2: Gamma 2.0
24-31	Dimmer curve 3: Gamma 2.2
32-39	Dimmer curve 4: S-curve
40-71	No function
72-79	Simulation source: Tungsten 575W
80-87	Simulation source: Tungsten 750W
88-95	Simulation source: Tungsten 1000W
96-103	Simulation source: Tungsten 2000W
104-111	PWM speed: 1,1 kHz

112-119	PWM speed: 1,2 kHz
120-127	PWM speed: 1,3 kHz
128-135	PWM speed: 1,4 kHz
136-143	PWM speed: 1,5 kHz
144-151	PWM speed: 1,6 kHz
152-159	Calibration disabled
160-167	Calibration enabled
168-175	Fan mode: silent
176-183	Fan mode: auto
184-191	Fan mode: full
192-199	Graphic display: auto off
200-207	Graphic display: on
208-215	CCT mode: High CRI
216-223	CCT mode: High Output
224-249	No function
250	Reset all
251-255	No function

11 Channels (CMY Pro Mode)

Channel 1 – Dimmer Coarse

0-255	Dimmer intensity, from dark to brightest 0-100%

Channel 2 – Dimmer Fine

0-255	Dimmer fine intensity, from dark to brightest 0-100%

Channel 3 – Shutter/Strobe

0-5	Closed
6-249	Strobe frequency, from low to high frequency
250-255	Open

Channel 4 – Color Temperature (CCT) (CH1 must be set between 1-255 and CH3 between 6-255)

0-96	2000K-2800K
97-98	2800K
99-112	2800K-3000K
113-114	3000K
115-126	3000K-3200K
127-129	3200K
130-169	3200K-4000K
170-171	4000K
172-218	4000K-5600K
219-220	5600K
221-226	5600K-6000K
227-228	6000K
229-254	6000K-8000K
255	8000K

Channel 5 – Cyan Dimmer Coarse (CH1 must be set between 1-255, CH3 between 6-255)

0-255	Gradual adjustment Cyan from 0-100%

Channel 6 – Magenta Dimmer intensity (CH1 must be set between 1-255, CH3 between 6-255)

0-255	Gradual adjustment Magenta from 0-100%

Channel 7 – Yellow Dimmer intensity (CH1 must be set between 1-255, CH3 between 6-255)

0-255	Gradual adjustment Yellow from 0-100%

Channel 8 – Color wheel (CH1 must be set between 1-255 and CH3 between 6-255 ⚠)

0-7	No function	
8-10	Medium bastard amber	Lee 004
11-13	Fire	Lee 019
14-16	Bright red	Lee 026
17-19	Lavender	Lee 058
20-22	Sky blue	Lee 068
23-25	Just blue	Lee 079
26-28	Lime green	Lee 088
29-31	Dark yellow green	Lee 090
32-34	Spring green	Lee 100
35-37	Yellow	Lee 101
38-40	Light amber	Lee 102
41-43	Straw	Lee 103
44-46	Deep amber	Lee 104
47-49	Orange	Lee 105
50-52	Primary red	Lee 106
53-55	Dark pink	Lee 111
56-58	Magenta	Lee 113
59-61	Peacock blue	Lee 115
62-64	Medium blue green	Lee 116
65-67	Steel blue	Lee 117
68-70	Light blue	Lee 118
71-73	Dark blue	Lee 119
74-76	Deep blue	Lee 120
77-79	Lee green	Lee 121
80-82	Fern green	Lee 122
83-85	Dark green	Lee 124
86-88	Bright pink	Lee 128
89-91	Medium blue	Lee 132
92-94	Golden amber	Lee 134
95-97	Deep golden amber	Lee 135
98-100	Pale lavender	Lee 136
101-103	Special lavender	Lee 137
104-106	Pale green	Lee 138
107-109	Primary green	Lee 139
110-112	Bright blue	Lee 141
113-115	Apricot	Lee 147
116-118	Bright rose	Lee 148
119-121	Pale gold	Lee 152
122-124	Pink	Lee 157
125-127	Deep orange	Lee 158
128-130	Bastard amber	Lee 162
131-133	Flame red	Lee 164
134-136	Daylight blue	Lee 165
137-139	Lilac tint	Lee 169
140-142	Deep lavender	Lee 170
143-145	Lagoon blue	Lee 172
146-148	Chrome orange	Lee 179
149-151	Dark lavender	Lee 180
152-154	Congo blue	Lee 181
155-157	Alice blue	Lee 197
158-160	Full CT blue	Lee 201
161-163	Half CT blue	Lee 202
164-166	Quarter CT Blue	Lee 203

167-169	Full CT orange	Lee 204
170-172	Half CT orange	Lee 205
173-175	Quarter CT orange	Lee 206
176-178	Filter minus green	Lee 247
179-181	Half minus green	Lee 248
182-184	Three quarter CT blue	Lee 281
185-187	Three quarter CT orange	Lee 285
188-190	Follies pink	Lee 328
191-193	Lighter blue	Lee 353
194-196	Millenium gold	Lee 778
197-199	Vanity fair	Lee 793
200-255	Reserved	

Channel 9 – Color wheel crossfade time wheel (CH8 must be set between 7-255 ⚠)

0-1	0,1 sec. crossfade
1-2	0,2 sec. crossfade
2-3	0,3 sec. crossfade
●	● ●
●	● ●
●	● ●
252-253	25,3 sec. crossfade
253-254	25,4 sec. crossfade
254-255	25,5 sec. crossfade

Note: The color wheel crossfade time is the time which needs to pass before the device fades from color 1 to color 2.

Channel 10 – Zoom

0-255	Gradual zoom adjustment, from wide to narrow

Channel 11 – Control mode (Hold DMX value for at least 3 sec. before the function takes effect)

0-7	No function
8-15	Dimmer curve 1: Linear
16-23	Dimmer curve 2: Gamma 2.0
24-31	Dimmer curve 3: Gamma 2.2
32-39	Dimmer curve 4: S-curve
40-71	No function
72-79	Simulation source: Tungsten 575W
80-87	Simulation source: Tungsten 750W
88-95	Simulation source: Tungsten 1000W
96-103	Simulation source: Tungsten 2000W
104-111	PWM speed: 1,1 kHz
112-119	PWM speed: 1,2 kHz
120-127	PWM speed: 1,3 kHz
128-135	PWM speed: 1,4 kHz
136-143	PWM speed: 1,5 kHz
144-151	PWM speed: 1,6 kHz
152-159	Calibration disabled
160-167	Calibration enabled
168-175	Fan mode: silent
176-183	Fan mode: auto
184-191	Fan mode: full
192-199	Graphic display: auto off
200-207	Graphic display: on

208-215	CCT mode: High CRI
216-223	CCT mode: High Output
224-249	No function
250	Reset all
251-255	No function

11 Channels (HSI Pro Mode)

Channel 1 – Dimmer Coarse

0-255	Dimmer intensity, from dark to brightest 0-100%

Channel 2 – Dimmer Fine

0-255	Dimmer fine intensity, from dark to brightest 0-100%

Channel 3 – Shutter/Strobe

0-5	Closed
6-249	Strobe frequency, from low to high frequency
250-255	Open

Channel 4 – Color Temperature (CCT) (CH1 must be set between 1-255 and CH3 between 6-255 ⚠)

0-96	2000K-2800K
97-98	2800K
99-112	2800K-3000K
113-114	3000K
115-126	3000K-3200K
127-129	3200K
130-169	3200K-4000K
170-171	4000K
172-218	4000K-5600K
219-220	5600K
221-226	5600K-6000K
227-228	6000K
229-254	6000K-8000K
255	8000K

Channel 5 – Hue Coarse (color variations) (CH1must be set between 1-255, CH3 between 6-255 and CH7 between 1-255 ⚠)

0-255	Gradual adjustment Hue from 0-100%

Channel 6 – Hue Fine (color variations) (CH1must be set between 1-255, CH3 between 6-255 and CH7 between 1-255 ⚠)

0-255	Gradual adjustment Hue fine from 0-100%

Channel 7 – Color saturation (CH1must be set between 1-255 and CH3 between 6-255 ⚠)

0-255	Gradual Color saturation adjustment from 0-100%

Channel 8 – Color wheel (CH1 must be set between 1-255 and CH3 between 6-255 ⚠)

0-7	No function	
8-10	Medium bastard amber	Lee 004
11-13	Fire	Lee 019
14-16	Bright red	Lee 026
17-19	Lavender	Lee 058
20-22	Sky blue	Lee 068
23-25	Just blue	Lee 079

26-28	Lime green	Lee 088
29-31	Dark yellow green	Lee 090
32-34	Spring green	Lee 100
35-37	Yellow	Lee 101
38-40	Light amber	Lee 102
41-43	Straw	Lee 103
44-46	Deep amber	Lee 104
47-49	Orange	Lee 105
50-52	Primary red	Lee 106
53-55	Dark pink	Lee 111
56-58	Magenta	Lee 113
59-61	Peacock blue	Lee 115
62-64	Medium blue green	Lee 116
65-67	Steel blue	Lee 117
68-70	Light blue	Lee 118
71-73	Dark blue	Lee 119
74-76	Deep blue	Lee 120
77-79	Lee green	Lee 121
80-82	Fern green	Lee 122
83-85	Dark green	Lee 124
86-88	Bright pink	Lee 128
89-91	Medium blue	Lee 132
92-94	Golden amber	Lee 134
95-97	Deep golden amber	Lee 135
98-100	Pale lavender	Lee 136
101-103	Special lavender	Lee 137
104-106	Pale green	Lee 138
107-109	Primary green	Lee 139
110-112	Bright blue	Lee 141
113-115	Apricot	Lee 147
116-118	Bright rose	Lee 148
119-121	Pale gold	Lee 152
122-124	Pink	Lee 157
125-127	Deep orange	Lee 158
128-130	Bastard amber	Lee 162
131-133	Flame red	Lee 164
134-136	Daylight blue	Lee 165
137-139	Lilac tint	Lee 169
140-142	Deep lavender	Lee 170
143-145	Lagoon blue	Lee 172
146-148	Chrome orange	Lee 179
149-151	Dark lavender	Lee 180
152-154	Congo blue	Lee 181
155-157	Alice blue	Lee 197
158-160	Full CT blue	Lee 201
161-163	Half CT blue	Lee 202
164-166	Quarter CT Blue	Lee 203
167-169	Full CT orange	Lee 204
170-172	Half CT orange	Lee 205
173-175	Quarter CT orange	Lee 206
176-178	Filter minus green	Lee 247
179-181	Half minus green	Lee 248
182-184	Three quarter CT blue	Lee 281
185-187	Three quarter CT orange	Lee 285
188-190	Follies pink	Lee 328
191-193	Lighter blue	Lee 353
194-196	Millenium gold	Lee 778

197-199	Vanity fair	Lee 793
200-255	Reserved	

Channel 9 – Color wheel crossfade time wheel (CH8 must be set between 7-255 ⚠)

0-1	0,1 sec. crossfade
1-2	0,2 sec. crossfade
2-3	0,3 sec. crossfade
●	● ●
●	● ●
●	● ●
252-253	25,3 sec. crossfade
253-254	25,4 sec. crossfade
254-255	25,5 sec. crossfade

Note: The color wheel crossfade time is the time which needs to pass before the device fades from color 1 to color 2.

Channel 10 – Zoom

0-255	Gradual zoom adjustment, from wide to narrow

Channel 11 – Control mode (Hold DMX value for at least 3 sec. before the function takes effect)

0-7	No function
8-15	Dimmer curve 1: Linear
16-23	Dimmer curve 2: Gamma 2.0
24-31	Dimmer curve 3: Gamma 2.2
32-39	Dimmer curve 4: S-curve
40-71	No function
72-79	Simulation source: Tungsten 575W
80-87	Simulation source: Tungsten 750W
88-95	Simulation source: Tungsten 1000W
96-103	Simulation source: Tungsten 2000W
104-111	PWM speed: 1,1 kHz
112-119	PWM speed: 1,2 kHz
120-127	PWM speed: 1,3 kHz
128-135	PWM speed: 1,4 kHz
136-143	PWM speed: 1,5 kHz
144-151	PWM speed: 1,6 kHz
152-159	Calibration disabled
160-167	Calibration enabled
168-175	Fan mode: silent
176-183	Fan mode: auto
184-191	Fan mode: full
192-199	Graphic display: auto off
200-207	Graphic display: on
208-215	CCT mode: High CRI
216-223	CCT mode: High Output
224-249	No function
250	Reset all
251-255	No function

21 Channels (RAW Mode)

Channel 1 – Dimmer Coarse

0-255	Dimmer intensity, from dark to brightest 0-100%

Channel 2 – Dimmer Fine

0-255	Dimmer fine intensity, from dark to brightest 0-100%

Channel 3 – Shutter/Strobe

0-5	Closed
6-249	Strobe frequency, from low to high frequency
250-255	Open

Channel 4 – Red Dimmer Coarse (CH1 must be set between 1-255, CH3 between 6-255 ⚠)

0-255	Gradual adjustment Red from 0-100%

Channel 5 – Red Dimmer Fine (CH1 must be set between 1-255, CH3 between 6-255 ⚠)

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

Channel 6 – Amber Dimmer (CH1 must be set between 1-255, CH3 between 6-255 ⚠)

0-255	Gradual adjustment Amber from 0-100%

Channel 7 – Amber Dimmer Fine (CH1 must be set between 1-255, CH3 between 6-255 ⚠)

0-255	Gradual adjustment Amber fine from 0-100%

Channel 8 – Lime Dimmer (CH1 must be set between 1-255, CH3 between 6-255 ⚠)

0-255	Gradual adjustment Lime from 0-100%

Channel 9 – Lime Dimmer Fine (CH1 must be set between 1-255, CH3 between 6-255 ⚠)

0-255	Gradual adjustment Lime fine from 0-100%

Channel 10 – Green Dimmer Coarse (CH1 must be set between 1-255, CH3 between 6-255 ⚠)

0-255	Gradual adjustment Green from 0-100%

Channel 11 – Green Dimmer Fine (CH1 must be set between 1-255, CH3 between 6-255 ⚠)

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

Channel 12 – Cyan Dimmer Coarse (CH1 must be set between 1-255, CH3 between 6-255 ⚠)

0-255	Gradual adjustment Cyan from 0-100%

Channel 13 – Cyan Dimmer Fine (CH1 must be set between 1-255, CH3 between 6-255 ⚠)

0-255	Gradual adjustment Cyan fine from 0-100%

Channel 14 – Blue Dimmer Coarse (CH1 must be set between 1-255, CH3 between 6-255 ⚠)

0-255	Gradual adjustment Blue from 0-100%

Channel 15 – Blue Dimmer Fine (CH1 must be set between 1-255, CH3 between 6-255 ⚠)

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

Channel 16 – Deep Blue Dimmer (CH1 must be set between 1-255, CH3 between 6-255⚠)

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

Channel 17 – Deep Blue Dimmer Fine (CH1 must be set between 1-255, CH3 between 6-255 ⚠)

0-255	Gradual adjustment Deep Blue fine from 0-100%

Channel 18 – Color wheel (CH1 must be set between 1-255 and CH3 between 6-255 ⚠)

0-7	No function	
8-10	Medium bastard amber	Lee 004
11-13	Fire	Lee 019
14-16	Bright red	Lee 026
17-19	Lavender	Lee 058
20-22	Sky blue	Lee 068
23-25	Just blue	Lee 079
26-28	Lime green	Lee 088
29-31	Dark yellow green	Lee 090
32-34	Spring green	Lee 100
35-37	Yellow	Lee 101
38-40	Light amber	Lee 102
41-43	Straw	Lee 103
44-46	Deep amber	Lee 104
47-49	Orange	Lee 105
50-52	Primary red	Lee 106
53-55	Dark pink	Lee 111
56-58	Magenta	Lee 113
59-61	Peacock blue	Lee 115
62-64	Medium blue green	Lee 116
65-67	Steel blue	Lee 117
68-70	Light blue	Lee 118
71-73	Dark blue	Lee 119
74-76	Deep blue	Lee 120
77-79	Lee green	Lee 121
80-82	Fern green	Lee 122
83-85	Dark green	Lee 124
86-88	Bright pink	Lee 128
89-91	Medium blue	Lee 132
92-94	Golden amber	Lee 134
95-97	Deep golden amber	Lee 135
98-100	Pale lavender	Lee 136
101-103	Special lavender	Lee 137
104-106	Pale green	Lee 138
107-109	Primary green	Lee 139
110-112	Bright blue	Lee 141
113-115	Apricot	Lee 147
116-118	Bright rose	Lee 148
119-121	Pale gold	Lee 152
122-124	Pink	Lee 157
125-127	Deep orange	Lee 158
128-130	Bastard amber	Lee 162
131-133	Flame red	Lee 164
134-136	Daylight blue	Lee 165
137-139	Lilac tint	Lee 169
140-142	Deep lavender	Lee 170
143-145	Lagoon blue	Lee 172
146-148	Chrome orange	Lee 179
149-151	Dark lavender	Lee 180
152-154	Congo blue	Lee 181
155-157	Alice blue	Lee 197

158-160	Full CT blue	Lee 201
161-163	Half CT blue	Lee 202
164-166	Quarter CT Blue	Lee 203
167-169	Full CT orange	Lee 204
170-172	Half CT orange	Lee 205
173-175	Quarter CT orange	Lee 206
176-178	Filter minus green	Lee 247
179-181	Half minus green	Lee 248
182-184	Three quarter CT blue	Lee 281
185-187	Three quarter CT orange	Lee 285
188-190	Follies pink	Lee 328
191-193	Lighter blue	Lee 353
194-196	Millenium gold	Lee 778
197-199	Vanity fair	Lee 793
200-255	Reserved	

Channel 19 – Color wheel crossfade time wheel (CH4 must be set between 7-255 ⚠)

0-1	0,1 sec. crossfade
1-2	0,2 sec. crossfade
2-3	0,3 sec. crossfade
•	• •
•	• •
•	• •
252-253	25,3 sec. crossfade
253-254	25,4 sec. crossfade
254-255	25,5 sec. crossfade

Note: The color wheel crossfade time is the time which needs to pass before the device fades from color 1 to color 2.

Channel 20 – Zoom

0-255	Gradual zoom adjustment, from wide to narrow

Channel 21 – Control mode (Hold DMX value for at least 3 sec. before the function takes effect)

0-7	No function
8-15	Dimmer curve 1: Linear
16-23	Dimmer curve 2: Gamma 2.0
24-31	Dimmer curve 3: Gamma 2.2
32-39	Dimmer curve 4: S-curve
40-71	No function
72-79	Simulation source: Tungsten 575W
80-87	Simulation source: Tungsten 750W
88-95	Simulation source: Tungsten 1000W
96-103	Simulation source: Tungsten 2000W
104-111	PWM speed: 1,1 kHz
112-119	PWM speed: 1,2 kHz
120-127	PWM speed: 1,3 kHz
128-135	PWM speed: 1,4 kHz
136-143	PWM speed: 1,5 kHz
144-151	PWM speed: 1,6 kHz
152-159	Calibration disabled
160-167	Calibration enabled
168-175	Fan mode: silent
176-183	Fan mode: auto

184-191	Fan mode: full
192-199	Graphic display: auto off
200-207	Graphic display: on
208-215	CCT mode: High CRI
216-223	CCT mode: High Output
224-249	No function
250	Reset all
251-255	No function

Maintenance

The Showtec Infinity TF-260C7 Fresnel 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. 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. Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

The operator has to make sure that safety-related and machine-technical installations are to be inspected by an expert after every year in the course of an acceptance test.
The operator has to make sure that safety-related and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:
01) All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
02) There may not be any deformations on housings, fixations and installation spots.
03) Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
04) The electric power supply cables must not show any damages or material fatigue.

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 internal fuse.
01) First try to reset the device to its original factory default settings (**15. Reset Factory Settings** see page 23).
02) Power supply. Check that the unit is plugged into an appropriate power supply.
03) The LEDs. Return the Infinity Fresnel to your Infinity dealer.
04) The internal fuse. Return the Infinity Fresnel to your Infinity dealer.
05) If all of the above appears to be O.K., plug the unit in again.
06) If you are unable to determine the cause of the problem, do not open the Infinity Fresnel, as this may damage the unit and the warranty will become void.
07) Return the device to your Infinity dealer.

No Response to DMX

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

Problem	Probable cause(s)	Remedy
One or more fixtures do not function at all	No power to the fixture	• Check if power is switched on and cables are plugged in
	Internal fuse blown	• Return the Infinity to your Infinity dealer
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 regained: unplug both connectors and connect them directly together • Have the defective fixture serviced by a qualified technician
	3-pin XLR Out on the fixtures does not match (pins 2 and 3 reversed)	• Install a phase-reversing cable between the fixtures or swap pin 2 and 3 in the fixture that behaves erratically
No light or LEDs cut out intermittently	Fixture is too hot	• Allow fixture to cool • Clean fan • Make sure air vents are not blocked • Turn up the air conditioning
	LEDs damaged	• Disconnect fixture and return 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

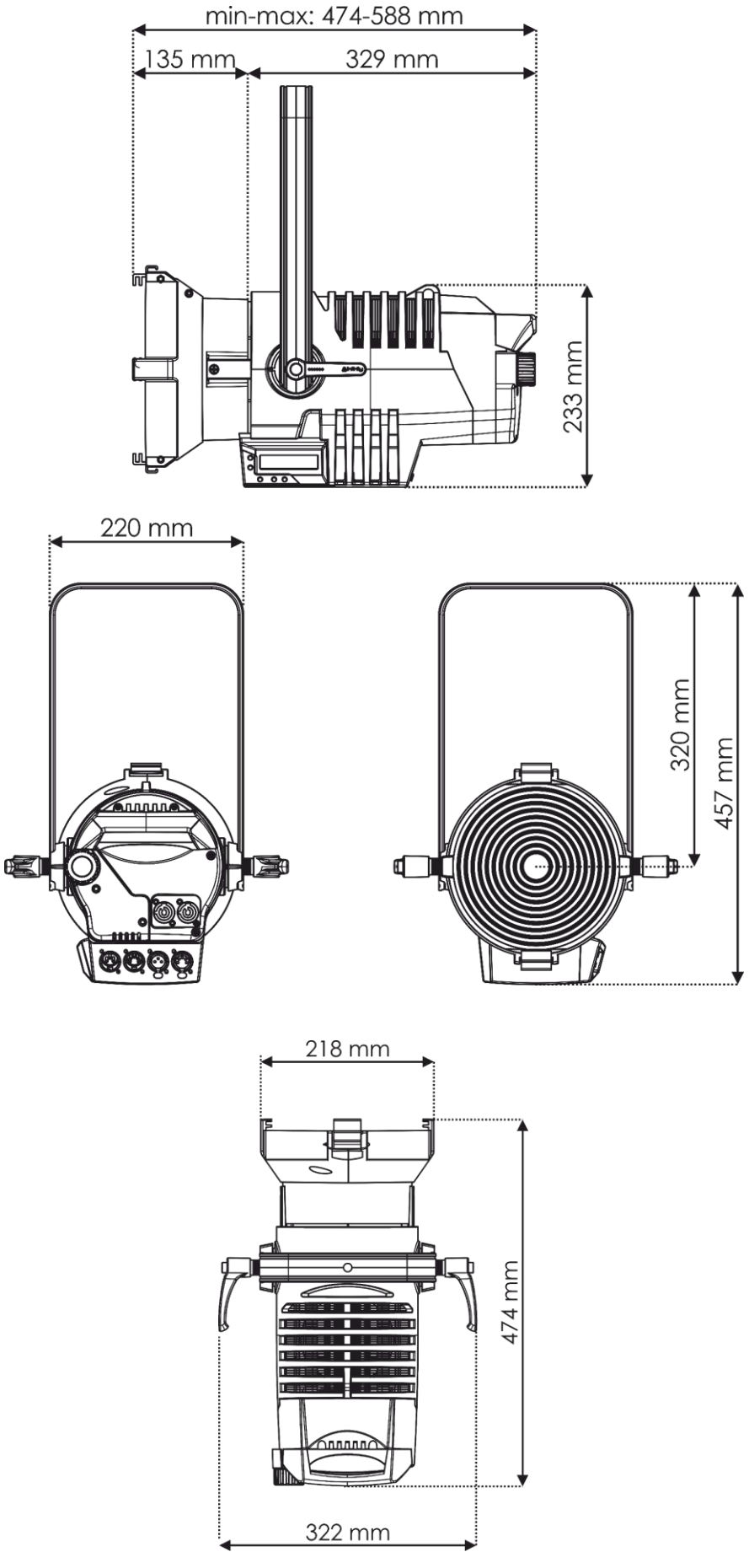
Model:	Infinity TF-260C7 Fresnel
Input Voltage:	100-240V AC, 50/60Hz
Power consumption:	280W
Power factor:	0,97
DMX linking:	30pcs
Dimensions:	474 x 322 x 457 mm (LxWxH) (incl. bracket)
Weight:	8,66 kg
Operating and Programming:	
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)
DMX Mode:	1, 6, 7, 11, 11, 11 or 21 channels
Signal input:	3-pin/5-pin XLR IN
Signal output:	3-pin/5-pin XLR OUT
Electro-mechanical effects:	
Light source:	260W Lumiled 7-color LED
Light output:	3500lm
CRI:	Consistently > 96% (High CRI Mode)
Color Temperature:	2000K-8000K Seamless CCT channel
Beam angle:	Manual and motorized 15°-50° zoom control
Dimmer:	0-100%
Strobe:	0-20Hz
Dimming Curves:	Linear, Gamma 2.0, Gamma 2.2, S-curve
Housing:	Aluminum, sheet metal, molded engineering grade plastics
Color:	Black
IP rating:	IP20
Ambient temperature:	0°-40° (operating)
Startup temperature:	-10°-45°
DMX control:	via standard DMX/RDM controller
Onboard:	LC-display
Control:	DMX-512, Manual control, RDM
Connections:	Neutrik PowerCON IN/OUT, Neutrik 3-pin XLR data IN/OUT, Neutrik 5-pin XLR data IN/OUT
Performance of a 1KW Tungsten Halogen unit with a consumption of 280W	
Color wheel simulating 64 matching spectrum filter gels	
LED Color Linearity Compensation	
LED Color Temperature Drift Compensation (on all LEDs)	
Optics Color Shift compensation	
Fan mode: Silent, Auto, Full	
RGB, CMY and HSI Colour control	
16 Bit Intelligent high resolution virtual dimming	
Consistent color regardless of intensity output	
Tungsten mode, Color drift & timing simulation of tungsten light source	
Flicker-Free with selectable PWM via DMX	
IP rating: IP20, indoor use only	
1CH DMX mode for conventional replacement	
Max. ambient temperature (operating) t_A:	0°-40°C
Startup temperature:	-10°-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

Dimensions


min-max: 474-588 mm
135 mm
329 mm
233 mm
220 mm
320 mm
457 mm
218 mm
474 mm
322 mm

Notes