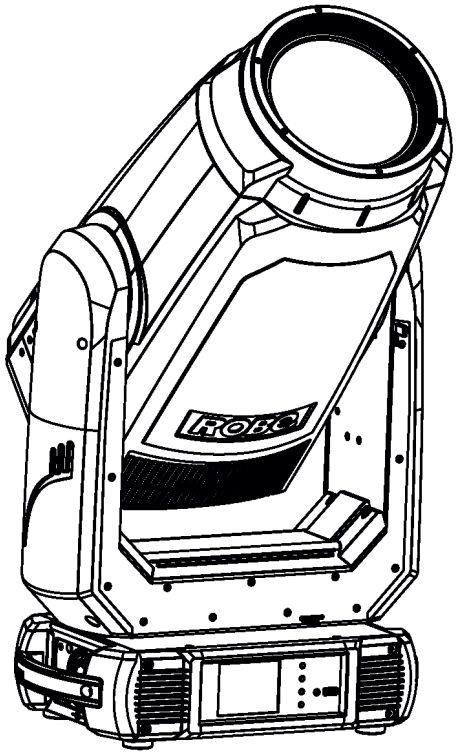
# ROBIN TX1 PosiProfile™



ROBIN® Innovative Technology

QR code for user manual

## USER MANUAL

ROBE® lighting s.r.o. • Czech Republic • www.robe.cz

Version 2.3

# Robin TX1 PosiProfile

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***CAUTION!***
***Keep this device away from rain and moisture!***
***Unplug mains lead before opening the housing!***

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOU INITIAL START - UP!**

# 1. Safety instructions

***Please use only an original ROBE packaging (paper box, loader case or foam shell) for transporting the device, otherwise potential damage of the device during its transport will not subject to warranty.***

***CAUTION!***
***Be careful with your operations.***
***With a high voltage you can suffer***
***a dangerous electric shock when touching the wires!***

This device has left our premises in absolutely perfect condition. In order to maintain this 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.

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.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

Never let the power-cord come into contact with other cables! Handle the power cord and all connections with the mains with particular caution!

Make sure that the available voltage is not higher than stated on the rear panel.

WARNING! This unit does not contain an ON/OFF switch. Always disconnect power input cable to completely remove power from unit when not in use or before cleaning or servicing the unit.

Make sure that the power cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power-cord by the plug. Never pull out the plug by tugging the power cord.

This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth. The electric connection, repairs and servicing must be carried out by a qualified employee.

Do not connect this device to a dimmer pack.

During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.

Do not touch the device's housing bare hands during its operation (housing becomes hot)!
For replacement use fuses of same type and rating only.

***LED light emission. Risk of eye injury.***
***Do not look straight at the fixture´s LED source during operation. The intense light beam may damage your eyes. Sensitive persons may suffer an epileptic shock.***
***Provide advance notice that strobe lighting is in use.***

***Do not view the light output with optical instruments or any device that may concentrate the beam.***
***The light source contains blue LEDs.***

***CAUTION! Risk group 2, RG-2*** 

## 2. Operating determination

This device is a moving head for creating decorative effects and was designed for indoor use only.
This device is for professional use only. It is not for household use.

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.

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.

When choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. There should not be any cables lying around. You endanger your own and the safety of others!

Make sure that the area below the installation place is blocked when rigging, derigging or servicing the fixture.

Always fix the fixture with an appropriate safety wire. Fix the safety wire at the correct holes only.

Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.

The maximum ambient temperature 45°C must never be exceeded.

***CAUTION!***
***The front lens has to be replaced when it is obviously damaged, so that its function is impaired, e. g. due to cracks or deep scratches!***

Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation!

Do not block the front objective lens with any object when the fixture is under operation.

The fixture housing never must be covered with cloth or other materials.

Please use the original packaging if the device is to be transported.

Please consider that unauthorized modifications on the device are forbidden due to safety reasons!
If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock, burns etc.

***CAUTION!***
***To avoid damage of the internal parts of the fixture head, never let the sunlight lights directly to the front lens , even when the fixture is not working !***

The product (covers and cables) must not be exposed to a high frequency electromagnetic field higher than 3V/m.

Immunity of the equipment is designed according to the standard EN 55035 Electromagnetic compatibility of multimedia equipment - Immunity requirements.

Emission of the equipment complies with the standard EN55032 Electromagnetic compatibility of multimedia equipment – Emission Requirements according to class B.

Contains FCC ID: 2A6PL-DMXRDMRW001*
Contains IC: 29573-DMXRDMRW001*

* Wireless DMX version of the fixture only.

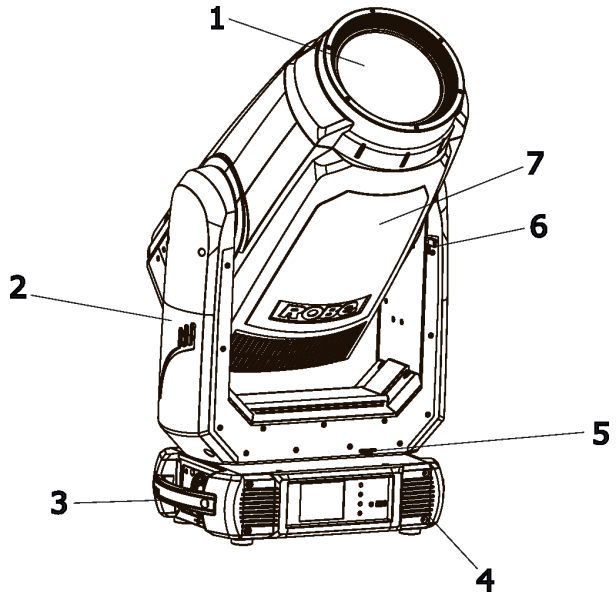
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The [Device] wireless operation is safe and complies to RF Exposure requirements

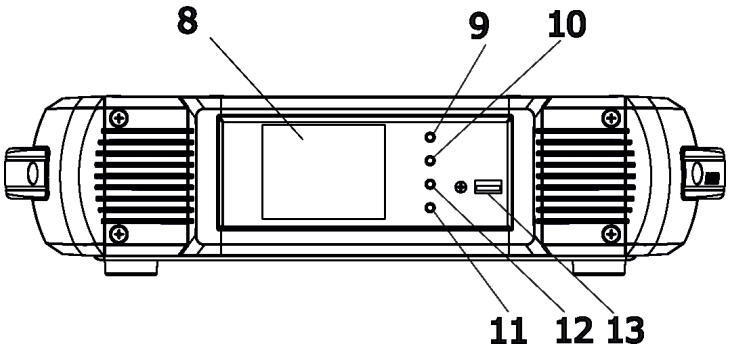
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

# 3. Fixture exterior view

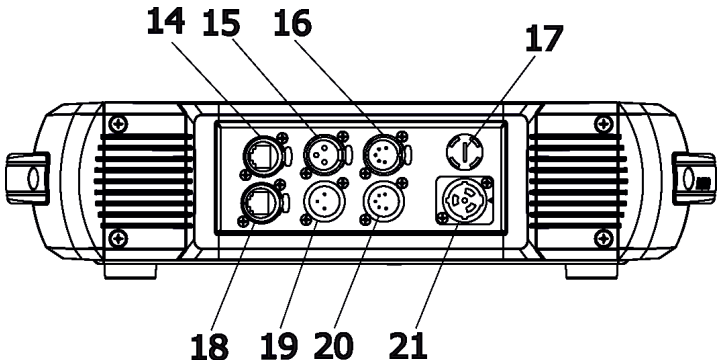



**1** - Front lens
**2** - Arm
**3** - Handle
**4** - Base
**5** - Pan lock
**6** - Tilt lock
**7** - Head cover

The head has to be locked for transportation - the pan lock latch (5) and the tilt lock latch (6) have to be in the locked positions. To unlock the head, move these latches to unlock positions before operating the fixture.




**Front panel of the base:**
**8** - QVGA touch screen
**9** - ESCAPE button
**10** - NEXT button
**11** - ENTER/DISPLAY ON button
**12** - PREV button
**13** - USB port




**Rear panel of the base:**
**14** - Ethernet output* (RJ45)
**15** - 3-pin DMX output (XLR)
**16** - 5-pin DMX output (XLR)
**17** - Fuse holder
**18** - Ethernet input (RJ45)
**19** - 3-pin DMX input (XLR)
**20** - 5-pin DMX input (XLR)
**21** - Power (PowerCon True 1)
* Epass version only

The ENTER/DISPLAY ON button also serves for switching the display on when the fixture is disconnected from the mains.

# 4. Installation

***Fixtures must be installed by a qualified electrician in accordance with all national and local electrical and construction codes and regulations.***

## 4.1 Connection to the mains

**For protection from electric shock, the fixture must be earthed!**

The Robin TX1 PosiProfile is equipped with auto-switching power supply that automatically adjusts to any 50-60Hz AC power source from 100-240 Volts.
Power cable is enclosed to the fixture. If you need to install a power plug on the power cable to allow connection to power outlet, install a grounding-type (earthed) plug, following the plug manufacturer's instructions. If you have any doubts about proper installation, consult a qualified electrician.

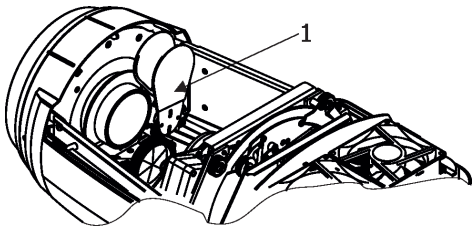
| Core (EU) | Core (US) | Connection | Plug Terminal Marking |
|---|---|---|---|
| Brown | Black | Live | L |
| Light blue | White | Neutral | N |
| Yellow/Green | Green | Earth | ⏚ |

This device falls under class one and must be earthed (grounded).
To apply power, first check that the head pan and tilt locks are released.

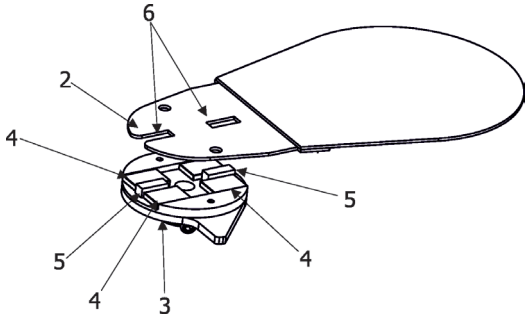
## 4.2 Replacing the frost

***Unplug the fixture from mains before installing the frost module!***

To replace the frost module.
1. Disconnect the fixture from mains and allow it to cool about 20 minutes.
2. Remove plastic cover of the head by loosening the 2 quarter-turn fasteners on the cover to get access to the frost module (1).




3. The holder (2) of the frost foil is fastened to the frost holder (3) by means of the four magnets (4). Grip the holder (2) and carefully tilt it out to break a force of magnets (4) on the frost holder (3).

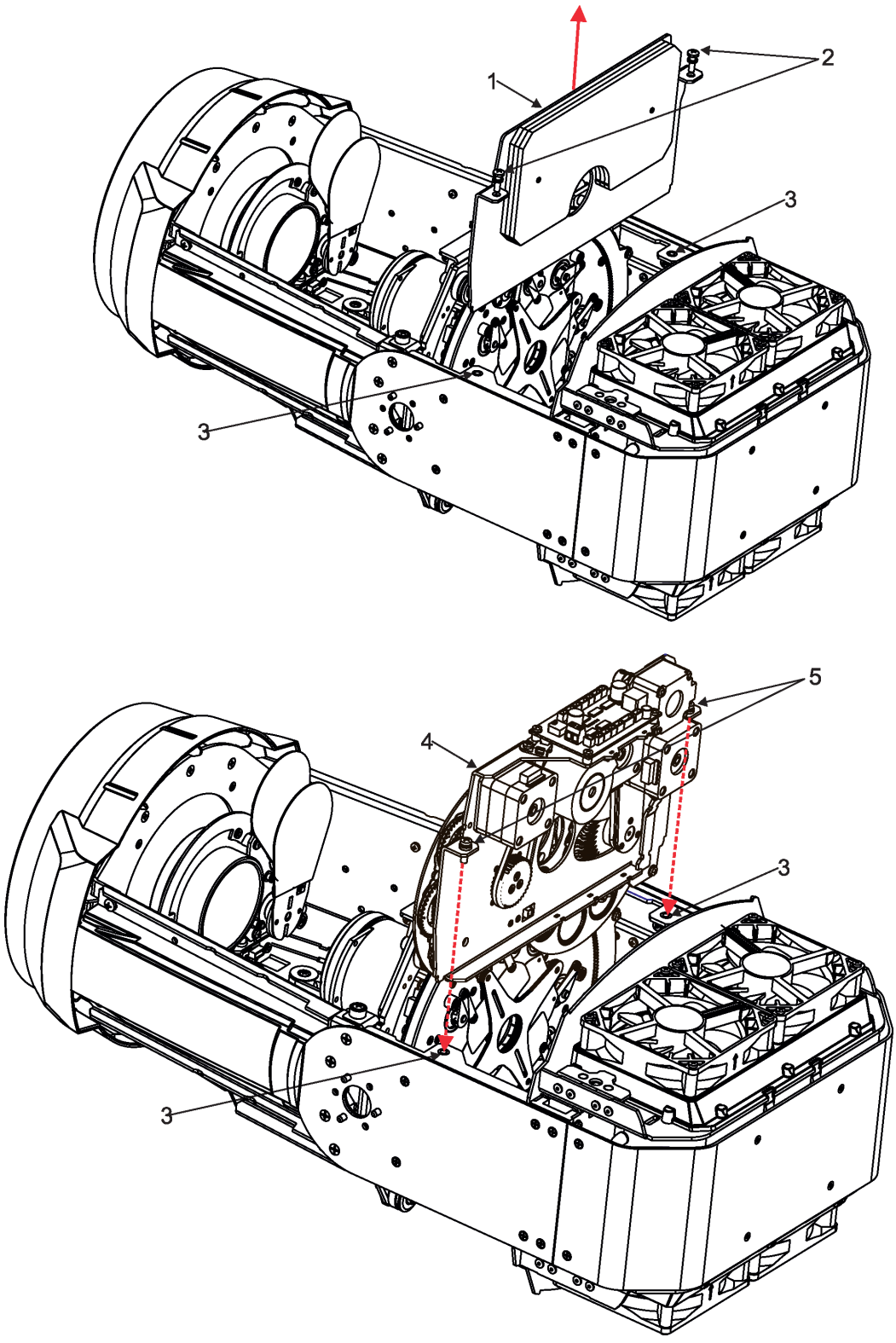



4. Place a new frost module into the frost holder (3). Check, that both slots (6) snapped correctly into two protrusions (5) in the holder (3).
5. Place the headc cover back on the fixture before applying power.

## 4.3 Drop-in gobo module module installation

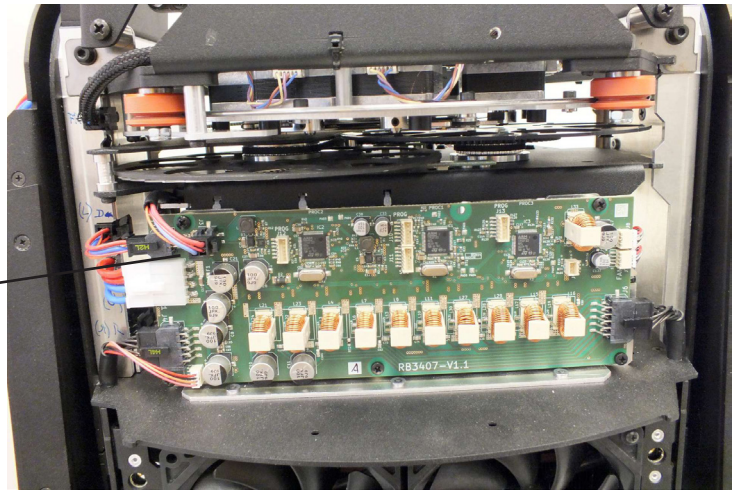
***Unplug the fixture from mains before installing the gobo module!***

To replace the gobo module.
1. Disconnect the fixture from mains and allow it to cool about 20 minutes.
2. Remove the plastic cover of the head by loosening 2 quarter-turn fasteners on the cover.
3. Remove the balancing part (1) from the fixture by unscrewing two screws (2).
4. Insert the drop-in gobo module (4) into chassis of the fixture. The screws (5) have to aim at threaded holes (3).
5. Tighten both screws (5).



6. Connect cables from drop-in gobo module to DPS RB3407 in the chassis of the head.





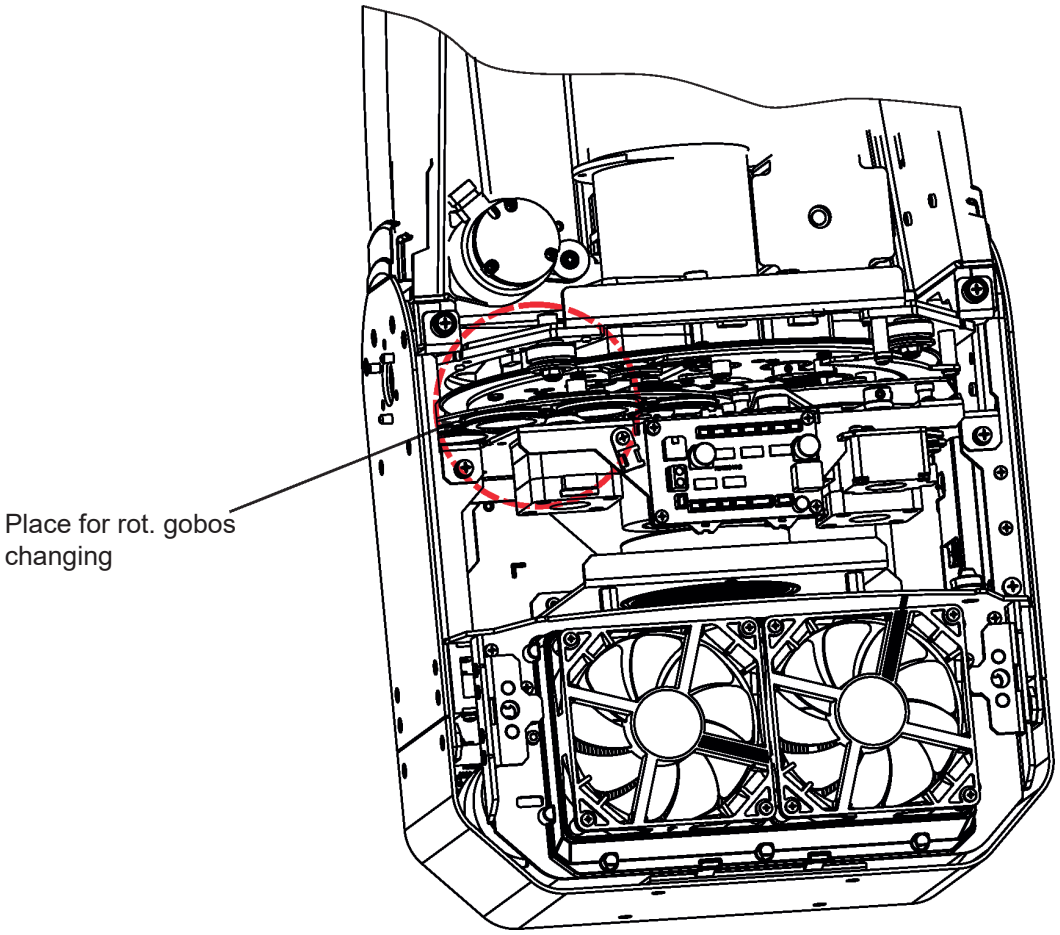

**IMPORTANT**
**If you remove the drop-in gobo module from the fixture, install the balancing part back to the fixture!**

## 4.4 Replacing rotating gobos

***Unplug the fixture from mains before replacing gobos!***

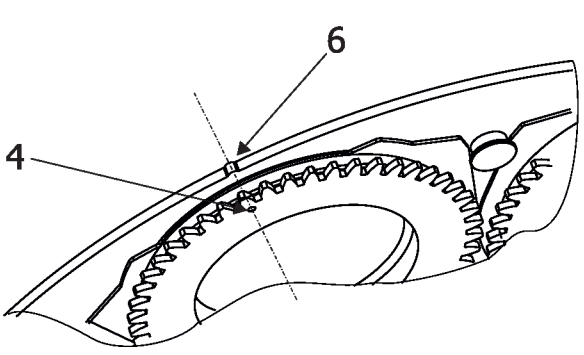
**Rotating gobos**

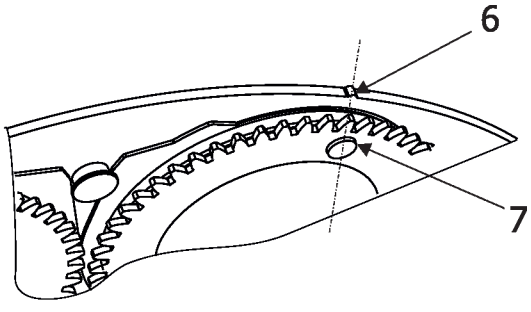
1. Close a light output of the fixture and allow the fixture to cool about 15 minutes.
2. Put the fixture on the table and remove top plastic covers of the head by loosening the 2 quarter-turn fasteners on each cover.
3. Connect the fixture to mains. Go to the tab "Service", select the menu "Adjust DMX values " and move the fixture head to the position which is intended for changing rot. gobos as shown on the picture below.



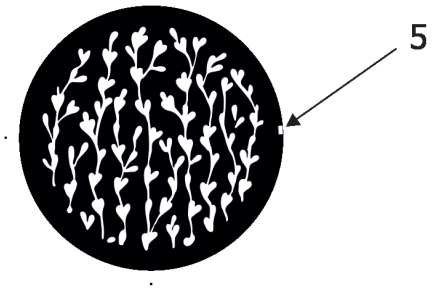

4. Escape from the menu "Adjust DMX values " and go to the menu " Rotating Gobos Change" in the same tab, select Gobo Carousel 1 and enter to its menu.
5. Select a gobo (G1-Mg, G2, G3, G4, G5, G6, G7) which you wish to replace. The selected gobo will move to the accessible position for its changing.
   Note: "G1-Mg" means the gobo holder with a magnet.

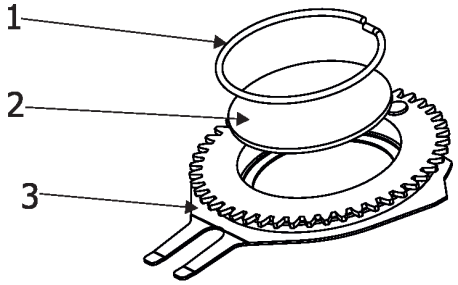
6. Check that the position point (4) on the gobo holder aims exactly to the toothlike projection (6) on the edge of the rotating gobo wheel. If not, go to the option "Gobo Offset" and adjust the position point (4) exactly opposite of the toothlike projection(6). Adjusted value in the "Gobo Offset" is valid for all gobos on the gobo carousel.
   Note: The magnet (7) on the gobo holder substitutes the position point (4).

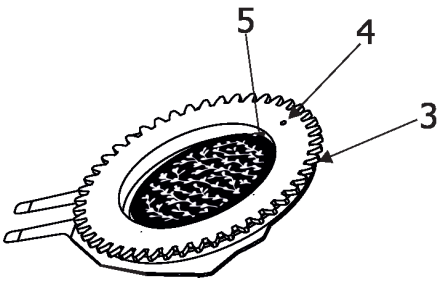


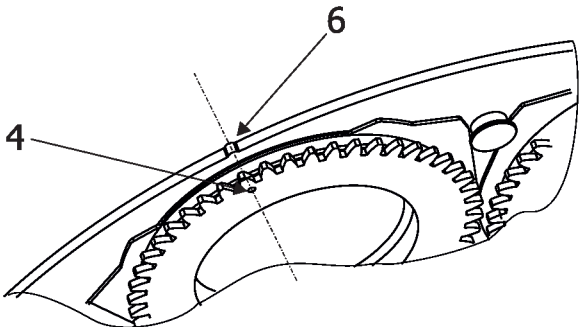
7. Gently pull up the gobo holder (3) from the rotation gobo carousel.
8. Remove the spring lock (1) with an appropriate tool (e.g. small-bladed screwdriver).
   Do not touch the surface of the pattern of the glass gobo with bare fingers.
9. Remove the original gobo (2) and insert the new one (glossy side towards the light source, black matt side towards the front lens).
   The Robe gobo has a small position point (5) at its edge which has to aim at the position point (4) on the gobo holder (3). Insert the spring lock (1) to secure correct gobo position in the gobo holder (3).

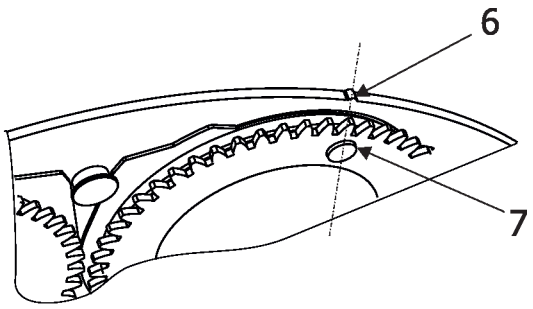



10 Insert the gobo holder back into gobo carousel in this way, that its position point (4) (or magnet (7) has to exactly aim at a small toothlike projection (6) on the edge of the rotating gobo wheel. Do not move with neighbouring gobo holders.



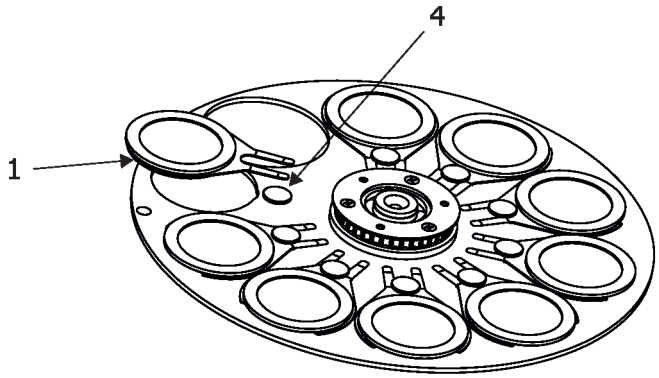



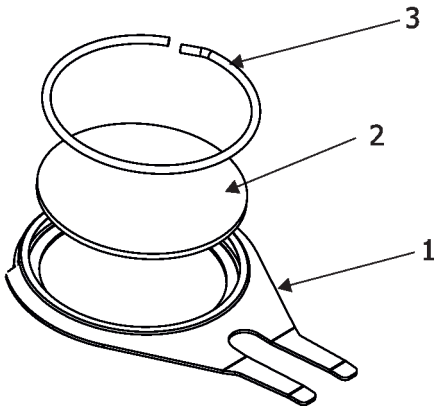

11. Escape the gobo item and enter another gobo item which you want to replace. You do not need to set the gobo offset again. Repeat steps 6, 8-12 for all gobos which you need to replace on the gobo carousel.

## 4.5 Replacing static gobos

***Disconnect the fixture from mains before replacing gobos!***

1. Disconnect the fixture from mains and allow it to cool.
2. Remove the plastic cover of the head by loosening the 2 quarter-turn fasteners on the cover.
3. Gently pull up the gobo holder (1) from the static gobo wheel.
4. Remove the spring gobo-lock (3) with an appropriate tool (e.g. small-bladed screwdriver) and remove it. Do not touch the surface of the pattern of the glass gobo.
5. Remove the original gobo (2) and insert the new one (glazy side towards the light source). Insert the spring-gobo lock (3) to secure it in the gobo holder (1).
6. Insert the gobo holder back to the static gobo wheel until it reaches the stop (4) in the static gobo wheel.
5. Replace the bottom cover before applying power.



## 4.6 Rigging the fixture

A structure intended for installation of the fixture(s) must safely hold weight of the fixture(s) placed on it. The structure has to be certificated to the purpose.

The fixture (fixtures) must be installed in accordance with national and local electrical and construction codes and regulations.

***For overhead installation, the fixture must be always secured with a safety wire that can bear at least 10 times the weight of the fixture***

When rigging, derigging or servicing the fixture staying in the area below the installation place, on bridges, under high working places and other endangered areas is forbidden.

The operator has to make sure that safety relating and machine technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.

The operator has to make sure that safety relating and machine technical installations are approved by a skilled person once a year.

Allow the fixture to cool for ten minutes before handling.

The projector should be installed outside areas where persons may walk by or be seated.

IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but use a help of professional companies.

CAUTION: Fixtures may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do not install the fixture!

The fixture has to be installed out of the reach of public.

The fixture must never be fixed swinging freely in the room.

***Danger of fire !***
***When installing the device, make sure there is no highly inflammable material (decoration articles, etc.) in a distance of min. 0.5 m.***

***CAUTION!***
***Use 2 appropriate clamps to rig the fixture on the truss.***
***Follow the instructions mentioned at the bottom of the base.***
***Make sure that the device is fixed properly! Ensure that the structure (truss) to which you are attaching the fixtures is secure.***

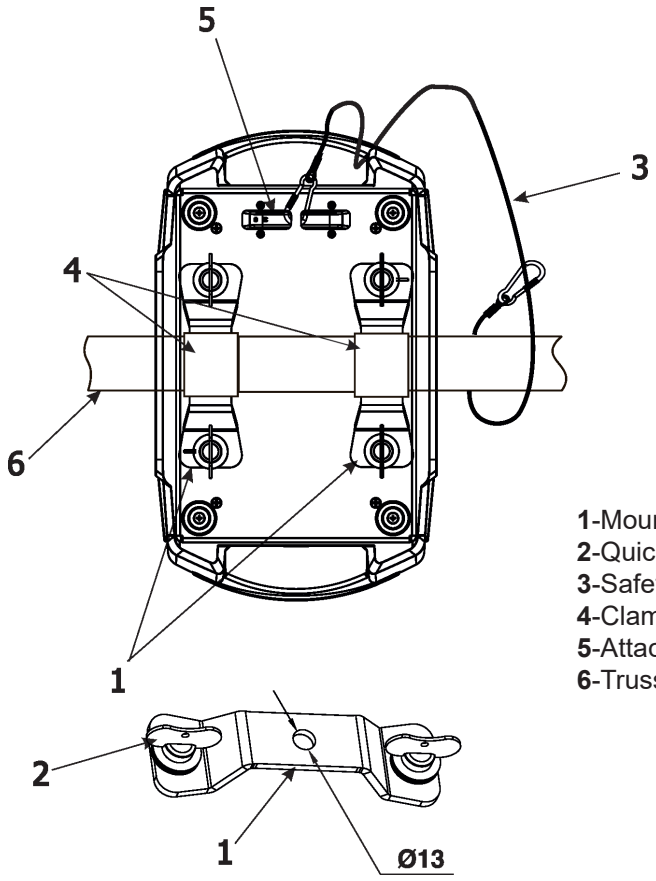
The fixture can be placed directly on the stage floor or rigged in any orientation on a truss without altering its operation characteristics .
For securing the fixture to the truss, install a safety wire which can hold at least 10 times the weight of the fixture. Use only the safety wire with a snap hook with screw lock gate.

**Truss installation**

1.Bolt clamps (4) to the brackets Omega CL (1) with M12 bolts and lock nuts through the hole in the bracket Omega CL.

2.Fasten the brackets Omega CL on the bottom of the base by means of the quick-lock fasteners (2) and tighten them fully clockwise.

3. Pull a safety wire (3) through the carrying handle and the truss (6) as hown on the picture below in a suitable position so that the maximum fall of the fixture will be 20 cm. Fasten a snap hook in the attachment point (5). Use only the safety wire with a snap hooks with screw lock gates.




**1**-Mounting bracket Omega CL
**2**-Quick-lock fasteners
**3**-Safety wire
**4**-Clamps
**5**-Attachment point
**6**-Truss

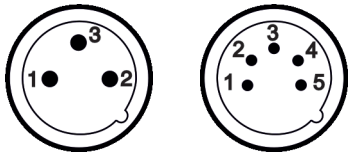
***When installing fixtures side-by-side, avoid illuminating one fixture with another!***

***DANGER TO LIFE!***
***Before taking into operation for the first time, the installation has to be approved by an expert!***

## 4.7 DMX-512 connection

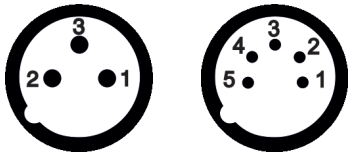
The fixture is equipped with both 3-pin and 5-pin XLR sockets for DMX input and output.The sockets are wired in parallel.
Only use a shielded twisted-pair cable designed for RS-485 and 3-pin or 5-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

**DMX output**
**XLR sockets (female)**



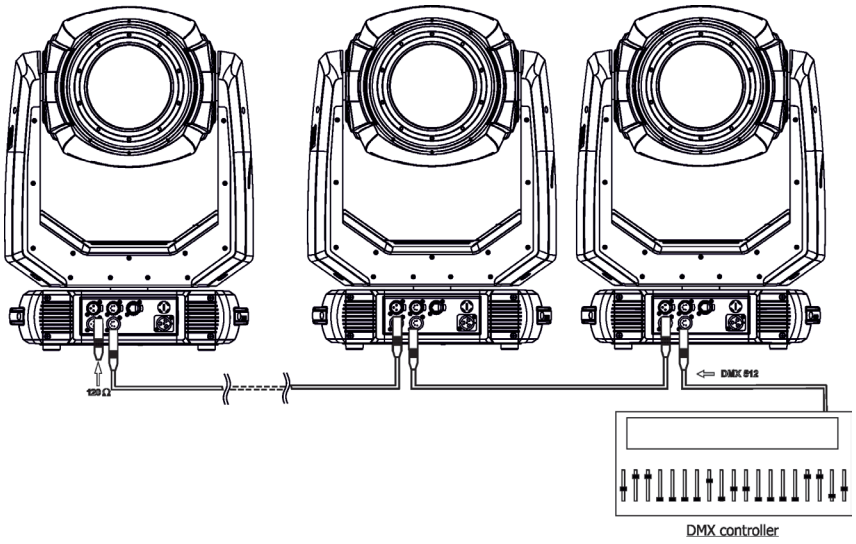

**1** - Shield
**2** - Signal (-)
**3** - Signal (+)
**4** - Not connected
**5** - Not connected

**DMX input**
**XLR sockets (male)**




If you are using the standard DMX controllers, you can connect the DMX output of the controller directly with the DMX input of the first fixture in the DMX chain. If you wish to connect DMX controllers with other XLR outputs, you need to use adapter cables.

**Building a serial DMX-chain:**
Connect the DMX-output of the first fixture in the DMX chain with the DMX-input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected. Up to 32 fixtures can be conected.
**Caution:** At the last fixture, the DMX-cable has to be terminated with a terminator. Solder a 120 Ω resistor between Signal (–) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX output of the last fixture.



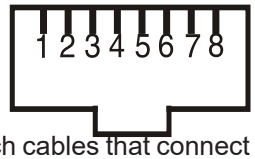
## 4.8 Ethernet connection

The fixtures on a data link are connected to the Ethernet with appropriate communication protocol (e.g. Art-Net). The control software running on your PC (or light console) has to support Art-Net protocol.
Art-Net communication protocol is a 10 Base T Ethernet protocol based on the TCP/IP.Its purpose is to allow transfer of large amounts of DMX 512 data over a wide area using standard network technology.

**IP address** is the Internet protocol address.The IP uniquely identifies any node (fixture) on a network.
**The Universe** is a single DMX 512 frame of 512 channels.

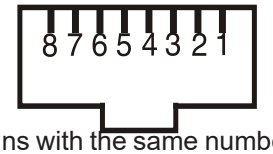
The Robin TX1 PosiProfile is equipped with 8-pin RJ- 45 socket (s) for Ethernet connection.Use a network cable category 5 (with four “twisted” wire pairs) and standard RJ-45 plugs in order to connect the fixture to the network.

RJ-45 socket (front view):




1- TD+
2- TD-
3- RX+
4- Not connected
5- Not connected
6- RX-
7- Not connected
8- Not connected

RJ-45 plug (front view):



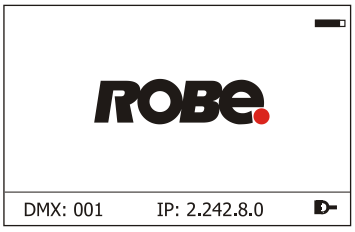

Patch cables that connect fixtures to the hubs or LAN sockets are wired 1:1,that is,pins with the same numbers are connected together:

1-1 2-2 3-3 4-4 5-5 6-6 7-7 8-8

If only the fixture and the computer are to be interconnected,no hubs or other active components are needed.A cross-cable has to be used:

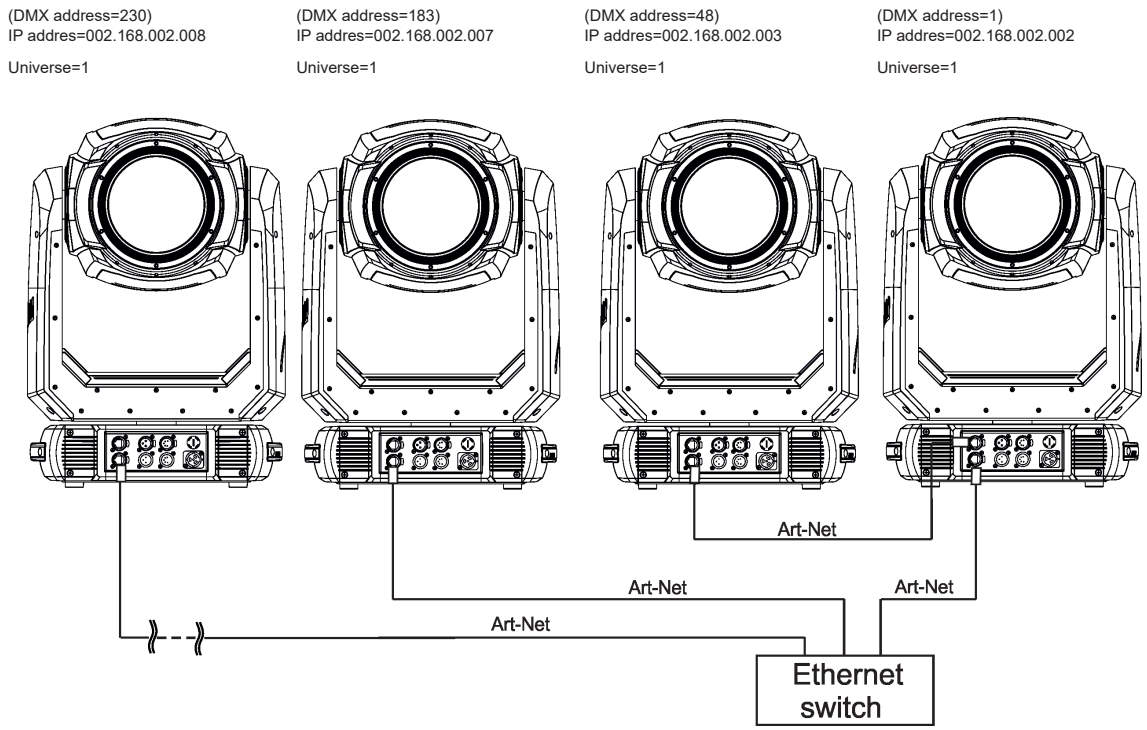
1-3 2-6 3-1 4-8 5-7 6-2 7-5 8-4

If the fixture is connected with active Ethernet socket (e.g. switch) the network icon will appear at the bottom right corner of the screen:




### Ethernet operation

Connect the Ethernet inputs of all fixtures with the Ethernet network.
Option “ Artnet" (gMaI or gMA2 or sACN) has to be selected from “Ethernet Mode” menu at each fixture.
Set IP address (002.xxx.xxx.xxx / 010.xxx.xxx.xxx) and the Universe at each fixture.



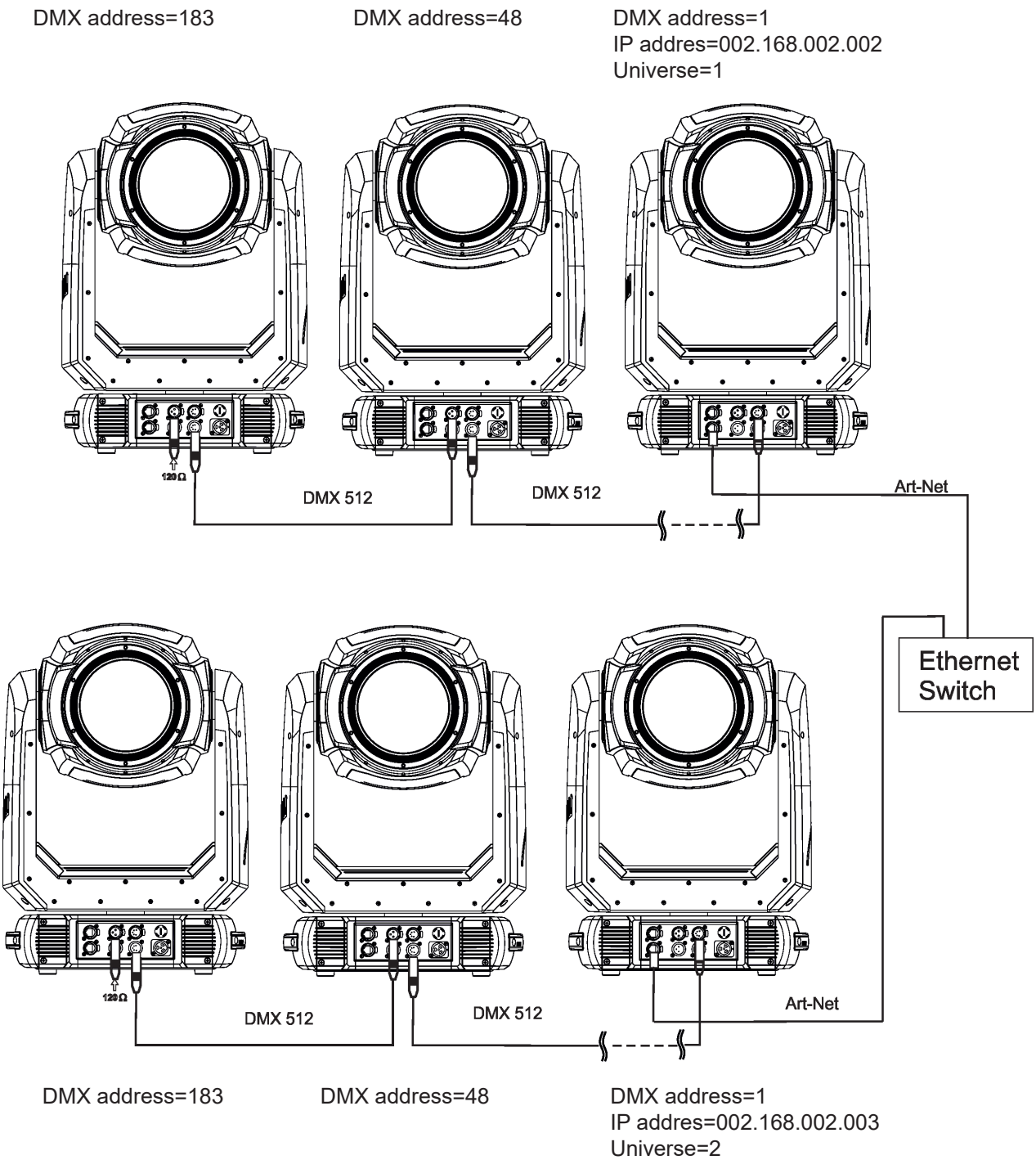

An advised PC setting: IP address: 002.xxx.xxx.xxx / 010.xxx.xxx.xxx (Different from fixture IP addresses)
NET mask: 255.0.0.0

The EP version of the fixture is equipped with two RJ 45 sockets and Ethernet Pass Through Switch which sustains Ethernet integrity, when the fixture has no power, it automatically maintains network connectivity.
If you use the Ethernet IN-OUT way for the Ethernet connection, max. 8 fixtures can be connected in the IN-OUT line

### Ethernet / DMX operation

Option “ Artnet" (gMaI or gMA2 or sACN) has to be selected from “Ethernet Mode” menu at first fixture.
Option “Ethernet To DMX” has to be selected from the “Ethernet Mode” menu at the first fixture (connected to the Ethernet) in the fixture chain, next fixtures have standard DMX setting.
Connect the Ethernet input of the first fixture in the data chain with the network. Connect the DMX output of this fixture with the input of the next fixture until all fixtures are connected to the DMX chain.
**Caution:** At the last fixture, the DMX chain has to be terminated with a terminator. Solder a 120 Ω resistor between Signal (–) and Signal (+) into a XLR-plug and connect it in the DMX-output of the last fixture.

Example:



# 4.9 Wireless DMX operation

The wireless DMX version of the fixture is equipped with the wireless DMX/RDM module which has full support for wireless communication protocols at entertainment market. The module is based on well known Lumen-Radio RF technology, with implemented wire interface for connection with Robe products. RF output for MCX interface antenna as standard output.

The item " Wireless " from the menu "DMX Input" allows you to activate receiving of wireless DMX (Personality--> DMX Input -->Wireless.). First two options from the "DMX Input" menu are stated in DMX chart as well (channel Power/Special functions , range of 10-19 DMX). If DMX input option is changed by DMX command, the change is permanently written into fixture´s memory.

**DMX range of 10-19 switching fixture to the wired/wireless operation is active only during first 10 seconds after switching the fixture on.**

After switching the fixture on, the fixture checks both modes of receiving DMX in the following order:

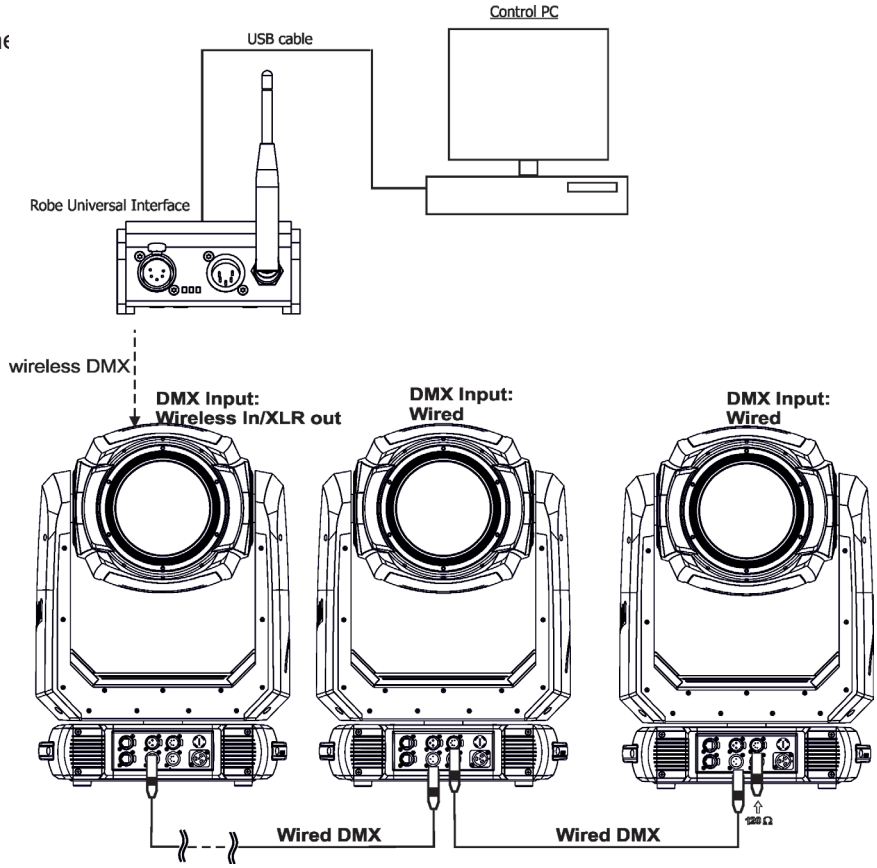
1. For the first five seconds, the fixture receives DMX signal from the wired input. If the Power/Special functions channel is set at some DMX input option, the fixture will receive DMX value according to this option. If DMX input option is set to the wired input , this option is saved and checking procedure is finished. If DMX input option is not set, the fixture continues next 5 seconds in scanning wireless DMX signal-see point 2.

2. For the next 5 seconds the fixture receives wireless DMX signal and again detects if the Power/Special functions channel is set at some DMX input option, if not, the fixture will take option which is set in the fixture menu "DMX Input".

To link the fixture with DMX transmitter.
The fixture can be only linked with the transmitter by running the link procedure at DMX transmitter .
After linking , the level of DMX signal ( 0-100 %) is displayed in the menu item “Wireless State“ (Information -->Wireless State).

To unlink the fixture from DMX transmitter.
The fixture can be unlinked from transmitter via the menu item “ Unlink Wireless Adapter“ (Information--> Wireless State --> Unlink Wireless Adapter).

Example of conne



# 5. Remotely controllable functions

## 5.1 Colour influencing functions

Factory setting of menu functions (channels) which influence behaviour of colour channels is the following:

| Function | Factory setting | Function | Factory setting |
|---|---|---|---|
| DMX mode | 1 | Uniformity | Off |
| Colour calibration mode | On | Colour mix control | 0 DMX |
| Colour mixing mode | CMY | CTC | 110 DMX (5600K) |
| Dimmer curve | Square law | CRI Selection | Standard (80) |
| Tungsten effect simulation | Off | Green correction | Uncorrected |
| Chromatic white | Off | Shutter/Strobe | Open (32 DMX) |
| Light output stability | Off | Dimmer | Closed (0 DMX) |

**Colour calibration mode** ***(menu tab "Personality")***

The function switches on/off an internal control of colours. For a standard operation of the fixture the option should be switched on. Option off has to be set during colour calibration of the fixture (in this mode some functions e.g. Tungsten effect, Virtual colour wheel are disabled).

**Colour mixing system** ***(menu tab "Personality", DMX channel "Colour functions")***

This item allows selection between RGB and CMY mode. In both 3-colour controlling modes (Mode 1,Mode 2) all internal 5 colours are always utilized where possible.

**Dimmer curve** ***(menu tab "Personality", DMX channel "Colour functions")***

The fixture allows you to select a linear dimmer curve or a square law curve.

**Tungsten effect simulation** ***(menu tab "Personality", DMX channel "Colour functions")***

The function simulates behaviour of a halogen lamp during dimming at calibrated white colours 2700K - 4200K. You can select from various lamp wattage simulation: 750W, 1000W, 1200W, 2000W, 2500W.
If the function Chromatic white is on, the Tungsten effect will influence also mixed colours.

**Saving user colours** ***(DMX channel "Colour functions")***

To save user colours:
1.Set the function White Point to off (Channel Colour Mix Control, range 70-79 DMX).
1.Mix desired colour on colour channels.
2.Stay in desired position of user colours (216-235 DMX) on the Virtual colour wheel for 1 sec.
3.Leave the range of user colours (216-235 DMX) on the Virtual colour wheel.
4. Repeat steps 2-4 for next user colour.
5.To permanently save user colours, stay for 3 sec. at DMX range of 110-114 on the channel Colour functions. After that the colour system will be reset (this action can last about 2 minutes). Previous user colours will be overwritten.

**Chromatic white** ***(menu tab "Personality", DMX channel "Colour functions")***

If the function is on, the CTC channel influences calibrated white colours and mixed colours (also colours on Virtual colour wheel).
If the function is off, the CTC channel influences calibrated whites only.

**Light output stability** ***(menu tab "Personality", DMX channel "Colour functions")***

If the function is on, the light output from the fixture is immediately reduced to a value corresponding to a thermal drop of the light intensity from the LED engine (the thermal drop of light intensity - decreasing of the light intensity on circa 90 % of starting level after first 5 minutes, then is the thermal drop of light intensity inconsiderable).

**Output Uniformity** ***(menu tab "Personality", DMX channel "Colour functions")***

If the function is on, the light intensity from the fixture is corrected in order to get approximately the same light intensity as from another fixture which has also the function on. Thanks to the function, light outputs from more fixtures will have approximately the same light intensity.

### Colour Mix control *(DMX channel "Colour Mix control")*

The Colour Mix control channel defines relation between colour channels (Cyan, Magenta, Yellow, Red, Green, Blue, Amber, Lime Green and CTC ) and the colours on the virtual colour wheel:

| DMX value | Function |
|---|---|
| 0 - 9 | Virtual colour wheel has priority over colour channels (default setting) |
| 10-19 | Maximum mode (highest values have priority) |
| 20-29 | Minimum mode (lowest values have priority) |
| 30-39 | Multiply mode (multiply virtual colour wheel and colour channels) |
| 40-49 | Addition mode (virtual colour wheel + colour channels) |
| 50-59 | Subtraction mode (virtual colour wheel – colour channels) |
| 60-69 | Inverted Subtraction mode (virtual colour wheel – colour channels) |
| 70-79 | White Point Off (CTC+green correction+virtual col. wheel deactivated) |
| 80-128 | Reserved |
| 129 | Crossfade Virtual colour wheel only |
| 130-254 | Crossfade between virtual colour wheel and colour channels |
| 255 | Crossfade colour channels only |

### CTC *(DMX channel " Colour temperature correction")*

The CTC channel allows you to change a colour temperature of calibrated white colours in range of 8000K-2700K and also can influence mixed colours including colours on the Virtual colour wheel.

For correct function of the CTC channel on calibrated white colours, the following conditions have to be kept:

1.The Colour calibration mode has to be set on.
If the Chromatic white is set off, the CTC channel influences white colours only.
If the Chromatic white is set on, the CTC channel influences white colours and mixed colours including colours on the Virtual colour wheel.

2. The following channels have to be set at:
Virtual colour wheel at 0 DMX
Green correction at 128 DMX
Colour mix control channel at 0 DMX

3. Colour channels have to be set depending on the colour mixing mode and the DMX mode.
<u>CMY colour mixing mode.</u>
*DMX mode 1:*
Channels Cyan/Red, Magenta/Green and Yellow/Blue (both 8-bit and 16-bit channels for each colour) have to be set at 0 DMX or at the same DMX value (except 255 DMX).
*DMX mode 2:*
Channels Cyan/Red, Magenta/Green and Yellow/Blue have to be set at 0 DMX or at the same DMX value (except 255 DMX) .
*DMX mode 3:*
The mode is not intended for CMY colour mixing mode.

<u>RGB(A,LG) colour mixing mode</u>
*DMX mode 1:*
Channels Cyan/Red, Magenta/Green and Yellow/Blue (both 8-bit and 16-bit channels for each colour) have to be set at 255 DMX or at the same DMX value (except 0 DMX).
*DMX mode 2:*
Channels Cyan/Red, Magenta/Green and Yellow/Blue have to be set at 255 DMX or at the same DMX value (except 0 DMX).
*DMX mode 3:*
Channels Red, Green, Blue, Amber, Lime Green (both 8-bit and 16-bit channels for each colour) have to be set at 255 DMX or at the same DMX value (except 0 DMX).

4. Shutter and dimmer have to be open.

### CRI correction *(DMX channel " CRI Selection")*

The channel allows you to set CRI from Standard (80) to High (95+). Default setting is to 0 DMX (Standard CRI).

**Green correction** ***(DMX channel "Green correction ")***
The channel allows you a fine correction of colours (whites, mixed colours, colours on the Virtual colour wheel). E.g. white colour from red to green tint.

**Virtual colour wheel** ***(DMX channel " Virtual colour wheel")***
The virtual colour contains 67 preset colours and 10 user colours.

**Dimmer/Shutter** ***(DMX channels " Shutter/Strobe" and "Dimmer Intensity")***
Smooth 0 - 100 % dimming is provided by the electronic control unit of the light source. The control of the light source also allows strobe effects with variable speed.

## 5.2 Effect functions

### Effect wheel (if drop-in gobo module installed)
The wheel rotates in both directions with variable speed which creates wide spectrum of graphic effects.

### Gobo wheels (if drop-in gobo module installed)
The fixture includes rotating gobo wheel with 7 glass gobos rotating in both directions, indexable, replaceable "SLOT&LOCK" system and one static gobo wheel with 9 gobos. The gobos are also replaceable by means of the "SLOT&LOCK" system.

### Frost
Two frost filters (light 1°and medium 5°) provide variable frost for fine frosting. The medium frost is replaceable.

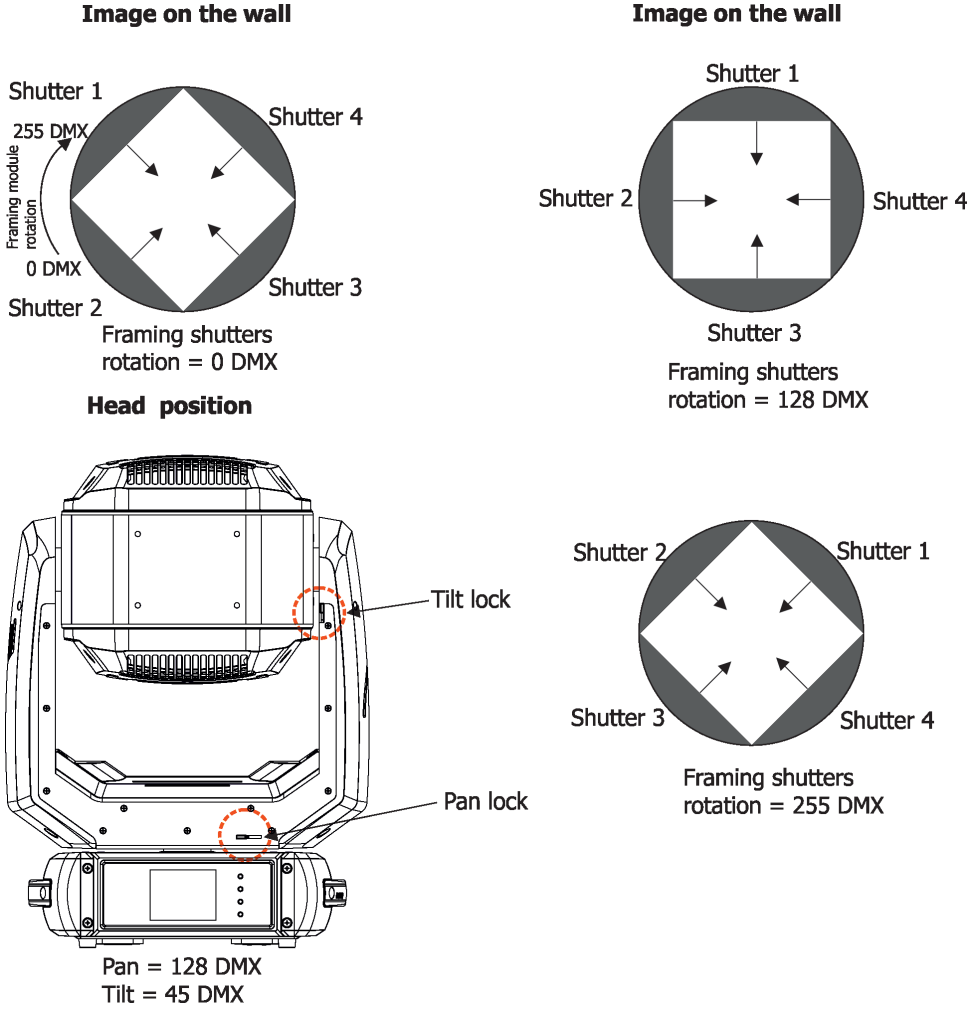
### Iris
Motorized adjustable iris, wide range of variable pulse effects.

### Zoom
Motorized zoom unit enables zoom between 4.8 °- 51.5°.

### Focus
Motorized focus allows to focus beam from approx. 2 meters to infinity.

### Framing system
Framing system consists of four framing shutters. There is individual control of each shutter blade position and angle, together with rotation of the complete framing module. As well as providing a sharp precise or soft frame for the projected image.

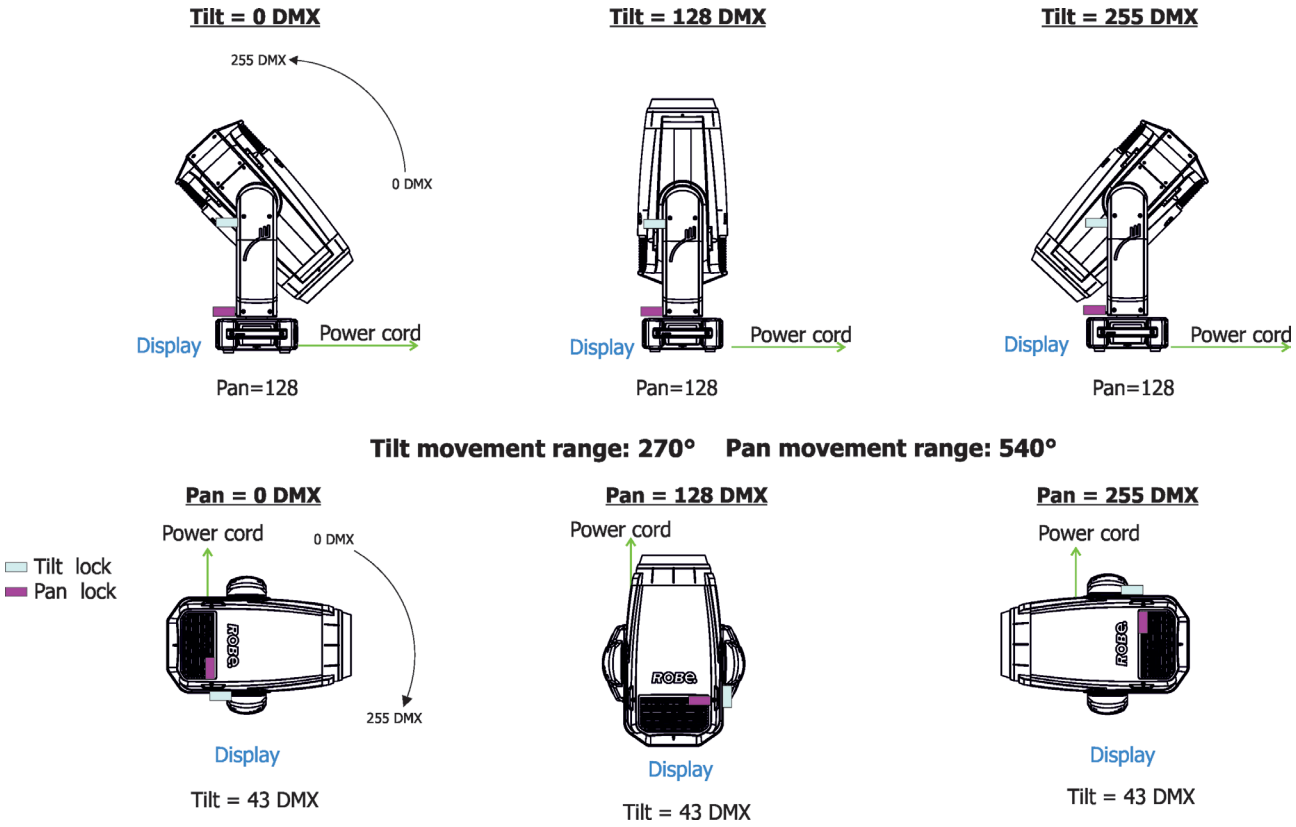
Framing system orientation:



## Pan/Tilt

Fast pan/tilt movement due to built-in Electronic Motion Stabilizer (EMS). The electronic motion stabilizer ensures precise position of the fixture´s head during its movement and reduces its swinging when the truss shakes. Motionless Absolute Positioning System **(**MAPS**)**.enabling fixtures to power cycle and recalibrate within confined spaces.

Pan /Tilt movement range: 0-540°/0-270°.




The Robin TX1 PosiProfile also includes Brake Attribute Retention System (BARS**)**, which allows **r**emote locking and releasing individual motorised attributes such as pan/tilt and zoom/focus. It allows motors to be locked securely in place and only released on command. The BARS™ ensures all settings are retained, remaining locked in place even when the fixture is power cycled or with no holding current present.

# 6. Control menu map

## Default settings=Bold print

| Tab | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 |
|---|---|---|---|---|---|---|
| Addressing | Settings | DMX Address | 001-512 | | | |
|  | DMX Presets | **Mode 1** | | | | |
| | | Mode 2 | | | | |
| | | Mode 3 | | | | |
| | | Mode 4 | | | | |
| | | Mode 5 | | | | |
| | | Mode 6 | | | | |
| | | View Selected Preset | | | | |
| | Ethernet Settings | Ethernet Mode | Disable | | | |
| | | | ArtNet | | | |
| | | | gMAI | | | |
| | | | gMA2 | | | |
| | | | sACN | | | |
| | | | | | | |
| | | Ethernet To DMX | **Off**, On | | | |
| | | IP Address/Net Mask | Default IP Address | | | |
| | | | Custom IP Address | | | |
| | | | Net Mask | | | |
| | | ArtNet Universe | 0-255 | | | |
| | | MANet settings | MANetI/II Universe | 01-256 | | |
| | | | MANet Session ID | 01-32 | | |
| | | sACN Settings | sACN Universe | 00001-32000 | | |
| | | | | | | |
| Information | Fixture Times | Power On Time | Total Hours | | | |
|  | | | Resetable Hours | | | |
| | | LEDs On Time | Red | | | |
| | | | Amber | | | |
| | | | Green | | | |
| | | | Yellow | | | |
| | | | Blue | | | |
| | | Air Filters | Elapsed Time | | | |
| | | | Alert Period | 10-300 | | |
| | Fixture Temperatures | LEDs Temperatures | Cur. | | | |
| | | | Max. | | | |
| | | | Max.Res. | | | |
| | | LEDs Brd. 1 Temperature | Current | | | |
| | | | Maximum NonRes. | | | |
| | | | Maximum Res. | | | |
| | | LEDs Brd. 2 Temperature | Current | | | |
| | | | Maximum NonRes. | | | |
| | | | Maximum Res. | | | |
| | | Base Temperature | Current | | | |
| | | | Maximum NonRes. | | | |
| | | | Maximum Res. | | | |
| | DMX Values | Pan | | | | |
| | | : | | | | |
| | | Dimmer Fine | | | | |
| | Wireless State | Signal Quality* | | | | |
| | | Unlink *<br>Wireless Adapter | | | | |
| | Power Channel state | | | | | |
| | Colour functions state | | | | | |

| Tab | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 |
|---|---|---|---|---|---|---|
| | Software Versions | Display System | | | | |
| | | Module M | | | | |
| | | Module L1 | | | | |
| | | Module L2 | | | | |
| | | Module L3 | | | | |
| | | Module F-A | | | | |
| | | Module F-B | | | | |
| | | Module O | | | | |
| | | Module G | | | | |
| | Product IDs | Mac Address | | | | |
| | | RDM UID | | | | |
| | | RDM Label | | | | |
| | LED Module info | First Module Assembly | | | | |
| | | Actual Module Info | | | | |
| | | Assembly History | | | | |
| | | | | | | |
| | LED Modules History | | | | | |
| | View Logs | Fixture Errors | | | | |
| | | Fixture States | Power On | | | |
| | | | Power Off | | | |
| | | Fixture Position | | | | |
| | | Fixture Temperatures | LEDs B.1 Temperature | | | |
| | | | LEDs B.2 Temperature | | | |
| | | | Base Temperature | | | |
| | | | | | | |
| Personality | User Mode | User A Settings | | | | |
|  | | User B Settings | | | | |
| | DMX Presets | **Mode 1** | | | | |
| | | Mode 2 | | | | |
| | | Mode 3 | | | | |
| | | Mode 4 | | | | |
| | | Mode 5 | | | | |
| | | Mode 6 | | | | |
| | | View Selected Preset | | | | |
| | DMX Input | **Wired** | | | | |
| | | Wireless* | | | | |
| | | Wireless In/XLR Out* | | | | |
| | Pan/Tilt Settings | Pan Reverse | **Off**, On | | | |
| | | Tilt Reverse | **Off**, On | | | |
| | | Pan/Tilt Feedback | Off, **On** | | | |
| | | Pan/Tilt mode | Time | | | |
| | | | **Speed** | | | |
| | Pan/Tilt EMS | **On,** Off | | | | |
| | Follow Spot Mode | **Off** | | | | |
| | | Soft | | | | |
| | | Medium | | | | |
| | | Hard | | | | |
| | Theatre mode | On, **Off** | | | | |
| | Pan/Tilt Brake | On, **Off** | | | | |
| | Optics Brake | On, **Off** | | | | |
| | Pan/Tilt Limitation | Pan Min. Value | 0-255 | | | |
| | | Pan Max. Value | 0-255 | | | |
| | | Tilt Min. Value | 0-255 | | | |
| | | Tilt Max. Value | 0-255 | | | |
| | Microphone Sensitivity | 1-**10**-20 | | | | |

| Tab | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 |
|---|---|---|---|---|---|---|
| | Blackout Settings | Blackout During M.C. | **Off**, On | | | |
| | | Blackout while: | Pan/Tilt moving | **Off**, On | | |
| | | | Gobo Wheel Moving | **Off**, On | | |
| | Colour Calibration Mode | **On,** Off | | | | |
| | Colour Mixing Mode | **CMY**, RGB | | | | |
| | Chromatic White | **Off**, On | | | | |
| | Light Output Stability | On, **Off** | | | | |
| | Output Uniformity | On, **Off** | | | | |
| | Frequency Setup | 300 Hz | | | | |
| | | **600Hz** | | | | |
| | | 1200Hz | | | | |
| | | 2400Hz | | | | |
| | | High | | | | |
| | | Adjust | | | | |
| | User Colours | View User Colours | View User Colour 1.. 10 | Red, Green, Blue,Amber, Light green | | |
| | | Distribute User Colours | | | | |
| | Thungsten Eff. Sim. | **Off** | | | | |
| | | 750W | | | | |
| | | 1000W | | | | |
| | | 1200W | | | | |
| | | 2000W | | | | |
| | | 25000W | | | | |
| | Init Effect Positions | Pan | 0-255 | | | |
| | | : | | | | |
| | | Dimmer Fine | 0-255 | | | |
| | ResetEffect Positions | | | | | |
| | Screen Settings | Display Intensity | 1-**10** | | | |
| | | Screen Saver Delay | 1...**5min**...10min. | | | |
| | | Touchscreen Lock | **Off**...10min. | | | |
| | | Recalibrate Touchscreen | | | | |
| | | Display Orientation | Normal | | | |
| | | | Inverted | | | |
| | | | **Auto** | | | |
| | Temperature Unit | **°C**,°F | | | | |
| | Fan Settings | Fan Mode | **Auto** | | | |
| | | | High | | | |
| | | | Quiet | Fan Noise | 0-100% | |
| | | Quiet-Blackout Fan Off | On, **Off** | | | |
| | | | | | | |
| | | High | | | | |
| | Dimmer Curve | Linear | | | | |
| | | **Square law** | | | | |
| | | Super Square Law | | | | |
| | Gobo Indexing | **Max. Speed &ShortCut** | | | | |
| | | Follow Speed & Directiont | | | | |
| | | Max. Speed &ShortCut | | | | |
| | | | | | | |
| | Date & Time Settings | | | | | |
| | Focus Tracking | **Off,** On | | | | |
| | Default Settings | | | | | |
| | Password Protection | **Off,** On | | | | |
| | Reset Web Password | | | | | |
| | | | | | | |

| Tab | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 |
|---|---|---|---|---|---|---|
| Manual Control | Reset Functions | Total System Reset | | | | |
|  | | Pan/Tilt reset | | | | |
| | | Gobo/Eff. Wh. Reset | | | | |
| | | Optics//Frost Res. | | | | |
| | | Iris/Framing Sh. Reset | | | | |
| | Manual Effect Control | Pan | 0-255 | | | |
| | | : | | | | |
| | | Dimmer Fine | 0-255 | | | |
| | | | | | | |
| Stand -Alone | Cue Playback | Preset Playback | None | | | |
|  | | | Cue | | | |
| | | | Test | | | |
| | | | Prog. 1 | | | |
| | | | Prog. 2 | | | |
| | | Play Cue | | | | |
| | | Edit Cue | Pan | 0-255 | | |
| | | | : | | | |
| | | | Dimmer Fine | 0-255 | | |
| | Test Sequences | Dynamic Mode | | | | |
| | | Static Mode | Pan | 0-255 | | |
| | | | Tilt | 0-255 | | |
| | | | Zoom | 0-255 | | |
| | | | Focus | 0-255 | | |
| | MusicTrigger | **Off**, On | | | | |
| | Preset Playback | **None** | | | | |
| | | Cue | | | | |
| | | Test | | | | |
| | | Prog. 1 | | | | |
| | | Prog. 2 | | | | |
| | Play Program | Play Program 1 | | | | |
| | | Play Program 2 | | | | |
| | Edit Program | Edit Program 1 | Start Step | 1-68 | | |
| | | Edit Program 2 | End Step | 1-68 | | |
| | | | Edit Program Steps | Step 1 | Pan | 0-255 |
| | | | | : | : | |
| | | | | : | Dimmer Fine | 0-255 |
| | | | | : | Step Time | 0-25.5 sec. |
| | | | | Step 68 | Pan | 0-255 |
| | | | | | : | |
| | | | | | Dimmer Fine | 0-255 |
| | | | | | Step Time | 0-25.5 sec. |
| | | | | | | |
| Service | Adjust DMX Values | Pan | 0-255 | | | |
|  | | : | | | | |
| | | Dimmer Fine | 0-255 | | | |
| | Calibrations | Calibrate Effects | Pan | 0-255 | | |
| | | | Tilt | 0-255 | | |
| | | | Effect Wheel | 0-255 | | |
| | | | Static Gobo | 0-255 | | |
| | | | Rot. Gobo Wheel | 0-255 | | |
| | | | R. Gobo Index 1 | 0-255 | | |
| | | | : | | | |
| | | | R. Gobo Index 7 | 0-255 | | |
| | | | Zoom | 0-255 | | |
| | | | Focus | 0-255 | | |
| | | | Iris | 0-255 | | |

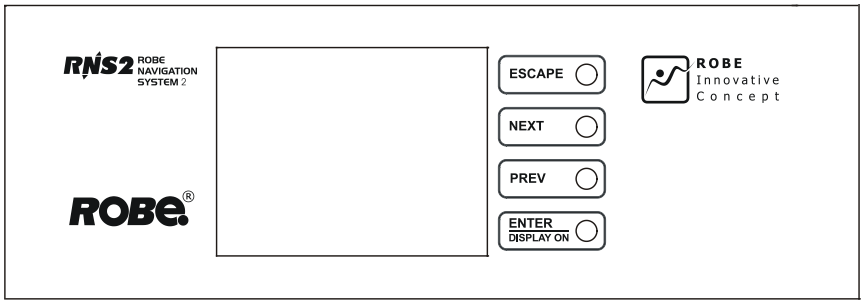
| Tab | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 |
|---|---|---|---|---|---|---|
| | | | Frost 1/1 | 0-255 | | |
| | | | Frost 1/2 | 0-255 | | |
| | | | Frost 2/1 | 0-255 | | |
| | | | Frost 2/2 | 0-255 | | |
| | | | Fr. Shutters rot. | 0-255 | | |
| | | | Fr. Shutter 1 Move | 0-255 | | |
| | | | Fr. Shutter 1 Swiv | 0-255 | | |
| | | | Fr. Shutter 2 Move | 0-255 | | |
| | | | Fr. Shutter 2 Swiv | 0-255 | | |
| | | | Fr. Shutter 3 Move | 0-255 | | |
| | | | Fr. Shutter 3 Swiv | 0-255 | | |
| | | | Fr. Shutter 4 Move | 0-255 | | |
| | | | Fr. Shutter 4 Swiv | 0-255 | | |
| | | Calibrate Fr. Hysteresis | Framing Lamella 1 | 0-8 | | |
| | | | Framing Lamella 2 | 0-8 | | |
| | | | Framing Lamella 3 | 0-8 | | |
| | | | Framing Lamella 4 | 0-8 | | |
| | | Calibrate colours | Red Calibration | X, Y, Int, Temp | | |
| | | | Green Calibration | X, Y, Int, Temp | | |
| | | | Blue Calibration | X, Y, Int, Temp | | |
| | | | Amber Calibration | X, Y, Int,, Temp | | |
| | | | Light GreenCalibration | X, Y, Int,, Temp | | |
| | | Green Corrections | 2700K CRI 70 | | | |
| | | | 3200 K CRI 70 | | | |
| | | | 4200K CRI 70 | | | |
| | | | 5600K CRI 70 | | | |
| | | | 8000K CRI 70 | | | |
| | | | 2700K CRI 90 | | | |
| | | | 3200K CRI 90 | | | |
| | | | 4200K CRI 90 | | | |
| | | | 5600K CRI 90 | | | |
| | | | 8000K CRI 90 | | | |
| | | Calibrate Pan/Tilt EMS | | | | |
| | | Calibrate Pan/Tilt Reset | | | | |
| | | Load Default Calibrations | | | | |
| | | LEDs Current Calibration | | | | |
| | Rotating Gobos Change | Gobo Carousel 1 | G1-Mg | | | |
| | | | G2 | | | |
| | | | : | | | |
| | | | G7 | | | |
| | | | Gobo Offset | 0-255 | | |
| | LEDs HW Version | | | | | |
| | Update Software | | | | | |

* If wireless DMX module is installed in the fixture

# 7. Control menu

The Robin TX1 PosiProfile is equipped with the QVGA Robe touch screen with battery backup which allows you to set the fixture´s behaviour according to your needs, obtain information on its operation, control all range of effects and program it in stand-alone mode.

The fixture´s menu can be controlled either by the control buttons or directly by touching the icon.



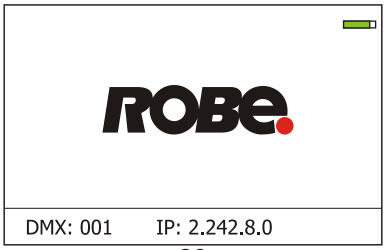

### Control buttons on the front panel:

[ESCAPE] button used to leave the menu without saving changes.
[NEXT] , [PREV] buttons for moving between menu items and symbols, adjusting values.
[ENTER/Display On] button used to enter the selected menu (menu item) and to confirm adjusted value.
If the fixture is disconnected from mains, the button switches the touch screen on.

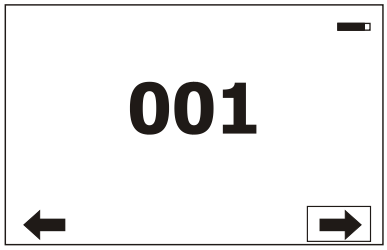
### Icons used in the touch screen menu:

- [back arrow] used to move back to the previous screen (menu).
- [up arrow] used to move up on the previous page.
- [down arrow] used to move down on the next page.
- [confirm] used to save adjusted values, to leave menu or to perform desired action.
- [cancel] used to leave menu item without saving changes.
- [confirm+copy] used to save adjusted values and copy them to the next prog. step.
- [warning icon] used to indicate some error which has occurred in the fixture.
- [Ethernet] used to indicate Ethernet connected.
- [menu rotation] used to rotate menu 180 degrees from current orientation.
- [slider control] used to recall slider system for setting desired value.
- [keyboard control] used to recall keyboard system for setting desired value.
- [air filters cleaning] used to signal that cleaning period of the air filters elapsed.
- [QR code] used to show QR code for RDM UID of the fixture and LED engine serial number.

The menu page displays icons for each function that you can perform from the touch screen.
After switching the fixture on, the touch screen shows the screen with the ROBE logo:



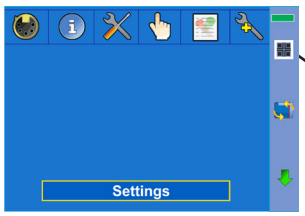
Touch any part of the screen or press the [ENTER/Display On] button to display the initial screen with the current stored DMX address:




Note: The green icon at the top right corner of the screen indicates the level of the display battery charging. If the whole icon is green, the battery is fully charged while the red icon indicates exhausted battery. The battery charges during fixture operation, its charging lasts cca 6 hours.
We recommend that the fixture should be in operation at least 7 hours per week to keep the battery fully charged. If you switch the fixture on and this screen will not appear till 1 minute, switch the fixture off and on again. If the screen lights, the battery is exhausted. In case the screen still does not light, the battery is faulty.
This is also indicated by an error message "Faulty battery" and if such an error message appears the battery should be replaced immediately. The lifetime of the battery is highly dependent on ambient temperature (and consequently on base temperature). If the maximum ambient temperatures (as recorded and displayed in menu: Information -> Fixture Temperatures -> Ambient Temperature -> Maximum NonRes.) are kept within the specified limits, the battery should last for at least two years. Shell the ambient temperatures exceed the specified maximum temperature, the lifetime of the batteries could be considerably shortened even up to just one year or less and also result in physical damage (battery leakage) or unreliable fixture functions.
Damage caused by batteries failed due to exceeded maximum ambient temperature cannot be claimed under warranty terms.

Touch the green arrow at the bottom right corner of the screen or press the [ENTER/Display On] button to enter the " Address" menu.
Each item (such as a Tab, menu item, text box, icon) may be selected from a screen by simply touching the item in the list or by pressing the [NEXT] or [PREV] buttons to scroll through list items. With each press, the next item is highlighted.

**Before first fixture operation, set current date and time in the menu "Date &Time Setings" (menu path: Personality--> Date &Time Setings).**




Icon for QR codes
Use [NEXT] , [PREV] buttons for moving between QR codes

*QR code for RDM UID of the fixture.*




*QR code for serial number of LED engine in the fuxture.*




(pictures for ilustration only)

## 7.1 Tab " Address"



**DMX Address** - Select the menu to set the DMX start address.
Blinking DMX address means that the fixture is either not receiving DMX data or that the set DMX address is higher then allowed, exceeding the DMX footprint of the set DMX mode.

**DMX Preset** - Use the menu to select desired channel mode.
**DMX Preset** - Use the menu to select desired channel mode.
**Mode 1** - 40 control channels
**Mode 2** - 27 control channels
**Mode 3** - 44 control channels
**Mode 4** - 48 control channels

**Mode 5** - 33 control channels
**Mode 6** - 52 control channels
**View Selected Preset** - Use the menu to display channels included in the selected mode.

**Ethernet Settings** - The menu allows all needed settings for the Ethernet operation

**Ethernet Mode**

**Disable** - The option disables Ethernet operation.
**Artnet** - Fixture receives Artnet protocol
**gMAI** - Fixture receives MANet I protocol
**gMA2** - Fixture receives MANet 2 protocol
**sACN** - Fixture receives sACN protocol

**Ethernet To DMX** - Fixture receives protocol from the Ethernet input and sends DMX data to its DMX output (fixture works as an "Ethernet/DMX converter", next fixture can be connected to its DMX output and you can build a standard DMX chain by connecting another fixtures. Only one fixture has to be connected to the Ethernet.

**IP Address/Net Mask** - Select this menu to set IP address. IP address is the Internet protocol address.The IP uniquely identifies any node (fixture) on a network.
There cannot be 2 fixtures with the same IP address on the network!

**Default IP Address** -Preset IP address, you can set up only first byte of IP address (2 or 10) e.g. **002**.019.052.086.
**Custom IP Address** - The option enables to set up all bytes of IP address.
**Net Mask** - The option enables to set up all bytes of Net Mask.

**ArtNet Universe** - Use this item to set a Universe (0-255). The Universe is a single DMX 512 frame of 512 channels.

**MANet Settings** - Use this menu to set parameters for MANet operation.

**MANet Universe I/II** - The value of this item can be set in range 1-256.
**MANet Session ID** - The value of this item can be set in range 1-32.

**sACN Settings** - Use this menu to set parameters for sACN operation.

**sACN Universe** - The value of this item can be set in range 1-32000.

## 7.2 Tab "Information"



**Fixture Times** - The menu provides readouts of fixture and LED module operation hours.

**Power On Time Hours** - Select this menu to read the number of fixture operation hours.

**Total Hours** - The item shows the total number of the operation hours since the Robin TX1 PosiProfile has been fabricated.
**Resetable Hours** - The item shows the number of the operation hours that the Robin TX1 PosiProfile has been powered on since the counter was last reset.
In order to reset this counter to 0, touch the text box next to the item "Resetable Hours:"

**LEDs On Time** - Select this menu to read the number of LEDs operation hours (according colours).

**Air Filters** - Regular cleaning of the air filters is very important for the fixture´s life and performance. Bild-up of dust, dirt and fog fluid residues reduces the fixture´s light output and cooling ability. The two items of this menu help you to keep cleaning period of the air filters.

**Alert period** - Cleaning schedule for the fixture depends on the operating environment. It is therefore impossible to specify accurate cleaning interval. This item allows you to change the cleaning interval of the air filters. This "alert" value is 300 hours and it is set as default. Inspect the fixture within its 300 hours of operation to see whether cleaning is necessary. If cleaning is required, clean all air filters and change the value in this menu on acceptable level. Min. level of alert period is 10 hours, max. is 300 hours.
**Elapsed Time** - The item allows you to read the time which remains to cleaning air filters.

The time period is set in the menu mentioned above.
Expired time period is signalled by a negative mark (-) at the time value and a warning icon on the display.
Clean the filters and reset this menu item (by touching the text box next to the item "Elapsed Time").

**Fixture Temperatures** - The menu is used to view temperatures of the fixture´s inside.

**LEDs temperatures** - The menu shows temperature on the LEDs PCB in the light source.

**Cur.** - A current temperature of the LEDs PCBs.
**Max.** - A maximum temperature of the LEDs PCB since the fixture has been fabricated.
**Max. Res.** - A maximum temperature of the LEDs PCB since the counter was last reset.
In order to reset some counter to 0, touch desired text box under item "Max.Res."

**LEDs Brd.1 Temperature** - The menu shows temperature 1 on the LEDs control PCB in the fixture head.

**Current** - A current temperature on the LEDs control PCB.
**Maximum NonRes.** - A maximum temperature on the LEDs control PCB since the fixture has been fabricated.
**Maximum Res.** - A maximum temperature on the LEDs control PCB since the counter was last reset.
In order to reset this counter to 0, touch the text box next to the item "Maximum Res."

**LEDs Brd.2 Temperature** - The menu shows temperature 2 on the LEDs control PCB in the fixture head.

**Current** - A current temperature on the LEDs control PCB.
**Maximum NonRes.** - A maximum temperature on the LEDs control PCB since the fixture has been fabricated.
**Maximum Res.** - A maximum temperature on the LEDs control PCB since the counter was last reset.
In order to reset this counter to 0, touch the text box next to the item "Maximum Res."

**Base Temperature** - The menu shows temperature on the display PCB in the fixture base.

**Current** - A current temperature on the display PCB.
**Maximum NonRes.** - A maximum temperature on the display PCB since the fixture has been fabricated.
**Maximum Res.** - A maximum temperature on the display PCB since the counter was last reset.
In order to reset this counter to 0, touch the text box next to the item "Maximum Res."

**DMX Values -** The menu items allows you to read DMX values of each channel received by the fixture.

**Wireless State -** The menu serves for reading of the wireless operation status.

**Unlink Wireless Adapter** - The item serves for unlinking the fixture from a DMX transmitter.
If the wireless module is not installed in the fixture, message" Wireless Module Not Installed" will appear.

**Power Channel State** - Select this item to see current setting of the functions, which can be set by menu items in "Personality" as well as by DMX command at channel "Power/Special functions".

**Colour Functions State** - Select this item to see current setting of the colour functions, which can be set by menu items in "Personality" as well as by DMX command at channel "Colour functions".

**Software Version** - Select this item to read the software version of the fixture processors:

**Display System** - A display processor on the display board in the fixture base
**Module M** - Pan/Tilt processor
**Module L-1** - LEDs control processor 1
**Module L-2** - LEDs control processor 2
**Module L-3** - LEDs control processor 3
**Module O** - Focus/Zoom/Frost control processor
**Module F-A** -Framming shutters/Iris control processor
**Module F-B** - Framming shutters control processor
**Module G** - Rot. gobo/Static gobo/Effect wheel control processor

**Product IDs -** The menu is used to read the MAC Address ,RDM UID and RDM Label.

**LED Module Info** - Use this menu to read LEDs module information.

**First Module Assembly** - Use the item to read initial information about the LEDs module installed in the fixture. The fixture has to be connected to mains to read the values in the menu items.

**Serial Number/ Device UID** - a serial number of the LEDs module/RDM UID of the fixture.

**Installation Date/Time** - a date/time of the first installation of the LEDs module to a some Forte device.

**Actual Module Info** - Use the item to read current information about the LEDs module installed in the fixture.

**Serial Number/ Device UID** - a serial number of the LEDs module/RDM UID of the fixture.

**Measurement Date/Time** - a date/time of running the LEDs measuring procedure.

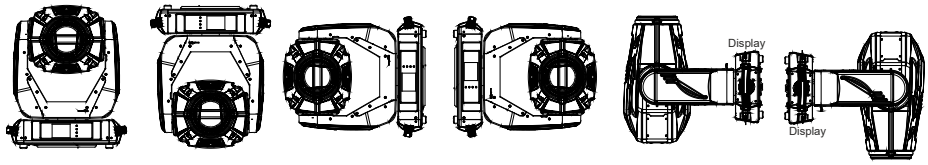
**Assembly History** - Use the item to read a history of the LEDs module installed in the fixture (its serial number, RDM UID of fixture at which was installed and date/time of installation).
Up to 31 records can be saved in the menu item.

**View Logs** - Use this menu to read fixture´s data which have been recorded during fixture operation. This colected data allows easier troubleshooting.

**Fixture Errors** - Use this menu to read fixture errors which have occured during fixture operation.

**Fixture States** - In the menu are recorded fixture states as power on and power off.

**Fixture Positions** - In the menu are recorded installation positions of the fixture:




**Front Normal** **Front Inverted** **Side Top** **Side Bottom** **Top** **Bottom**

**Fixture Temperatures** - In the menu are recorded temperatures which have exceeded defined levels.

Note: The log buffer can contain max. 8000 records. If the buffer is full, old data will be overwritten.

## 7.3 Tab "Personality"



**User mode** - The Robin TX1 PosiProfile allows you to recall two user settings. After switching the fixture on for the first time, the User A settings is active. Now all changes made in the “Personality” menu , ”Addressing” menu and the “Music Trigger“ and “ Preset Playback“ items from the “Stand-alone” menu are saved to the User A settings. If you now select the User B settings, from this moment the changes made in these menus will be saved to the User B settings. After switching the fixture off and on, the User B setting is active. In this way you may use the two fixture operating behaviours.

**User A Settings** - the function recalls the user A settings.

**User B Settings** - the function recalls the user B settings.

**DMX Preset** - Use the menu to select desired channel mode.

**Mode 1** - 40 control channels
**Mode 2** - 27 control channels
**Mode 3** - 44 control channels
**Mode 4** - 48 control channels
**Mode 5** - 33 control channels
**Mode 6** - 52 control channels

**View Selected Preset** - Use the menu to display channels included in the selected mode.

**DMX Input**- Use the menu to select mode of DMX signal receiving.

**Wired** - DMX signal is received by means of the standard DMX cable.

**Wireless** - DMX signal is received by means of the inbuilt wireless module.

**Wireless In/XLR Out**- the fixture receives wireless DMX and sends the signal to its wired DMX output. The fixture behaves as " Wireless/Wired" adapter.

The options "Wired" and "Wireless" are also stated in DMX chart (channel Power/Special functions).
Note. If the wireless module is not installed in the fixture, the following message will appear:

DMX Input Set to Wired
Wireless Module Missing

If the fixture is not connected to mains, the message "Not Available In Off line Mode" will appear after entering the menu DMX Input. To enter this menu, the fixture has to be connected to mains.

**Pan/Tilt Settings** - Use the menu set behaviour of both pan and tilt movements.

**Pan Reverse** - The item allows to invert pan movement.

**Tilt Reverse** - The item allows to invert tilt movement.

**Pan/Tilt Feedback** - The item allows to return the mowing head to the required pan/tilt position after changing the position by an external force if this option is set on.

Note. Be careful, the Pan/Tilt Feedback should be permanent On, the option Off is not suitable for standard operation and the head of the fixture can be damaged!

**Pan/Tilt mode** - Use this menu to set the mode of the pan/tilt movement

**Time mode** – The pan and tilt will move with different speeds and they will come at the same time to the end point of their tracks (pan and tilt use their optimal speeds). Time of the pan/tilt movement (25.5 sec. max.) is set by the channel "Pan/Tilt speed, Pan/Tilt time".

**Speed Mode** - Both Pan and tilt will move with the same speed as adjusted at the channel "Pan/Tilt speed, Pan/Tilt time".

**Pan/Tilt EMS** - Built-in electronic motion stabilizer ensures precise position of the fixture´s head during its movement and also reducing its swinging when the truss shakes.

**Follow Spot Mode** - If the function is activated, the pan/tilt motors perform on lower power and the head position can be controlled manually. You can choose from three levels of the pan/tilt "consistency": soft, medium and hard. Note: reset of pan/tilt will not be executed if the fixture is in the Follow Spot Mode.

**Theatre Mode** - If the function is activated, the pan motor and tilt motor are slowed down to reduce noise of the pan/tilt movement.

**Pan/Tilt Brake** - If the function is switched to the option "On", the pan and tilt movements will be blocked and will not respond to DMX values. After switching the fixture off and on, the pan and will tilt stay in the original positions (position at moment of activation the brake). The pan and tilt brakes can be also activated/deactivated by DMX command (channel Power/Special function). Setting by DMX comand is permanently saved to the fixture.

**Optics Brake** - If the function is switched to the option On, the zoom and focus will be blocked and will not respond to DMX values. After switching the fixture off and on, the zoom and focus will stay in the original positions. (position at moment of activation the brake).

Note: The pan/tilt and optics brakes can be also activated/deactivated by DMX command (channel Power/Special function). Setting by DMX comand will be permanently saved to the fixture.

**Pan/Tilt Limitations** - The function allows you to reduce range of pan and tilt movement by setting limits for both movements.

**Pan Min. Value** - Minimum pan movement value.

**Pan Max. Value** - Maximum pan movement value.

**Tilt Min. Value** - Minimum tilt movement value.

**Tilt Max. Value** - Maximum pan movement value.

If receiving DMX values are out of set limits, the fixture will not respond to them.

Example: Pan Min. Value=40 DMX, Pan Max. Value=120 DMX, the head will move in pan range of 40-120 DMX. Values under 40 and above 120 will not be used.

At reset of the head without connected DMX (if Pan/Tilt brake=Off), the pan movement of the head will stop in the value 120 DMX. After cancelling the pan movement limitation, the head will move to the value 128 DMX . (Standard pan and tilt positions after reset of the head without DMX are 128 DMX, unless otherwise set in the menu Init Positions).

**Microphone Sensitivity** - Enter the menu if you want to adjust the microphone sensitivity from 1 (max.) to 20 (min.).

**Blackout Settings** - Use the menu if you need to close the light output under certain conditions which are described below

**Blackout During MC** - Blackout during movement correction. Set this option On if you wish to close light output during the time when the head goes to its correct position from which has been changed by an external force.

**Active Blackouts** - Use this menu if you wish to close the light output during effect changes.

**Pan/Tilt Moving** - The menu item enables to close light output while the pan/tilt DMX values are changing.

**Gobo Wheel Moving** - The menu item enables to close light output while the rot. gobo carousel is moving.

**Colour Calibration Mode** - the function switches on/off an internal control of colours. For a standard operation of the fixture the option should be switched on. Option off has to be set during colour calibration of the fixture.

**Colour Mixing Mode** - This item allows selection between RGB and CMY mode. In both 3-colour controlling modes (Mode 1,Mode 2) all internal 5 colours are always utilized where possible

**Chromatic White** - If this function is on, the CTC channel influences colours and calibrated white colours. If this function is off, the CTC channel influences calibrated whites only.

**Light Output Stability** - If the function is on, the light output from the fixture is immediately reduced to a value corresponding to a thermal drop of the light intensity from the LED engine (the thermal drop - decreasing of the light intensity on 87 % of a starting level after first 5 minutes, then is the thermal drop inconsiderable).

**Output Uniformity** - if the function is on, the light intensity from the fixture is corrected in order to get approximately the same light intensity as from another fixture which has also the function on. Thanks to the function, light outputs from more fixtures will have approximately the same light intensity.

**Frequency Setup** - The function allows you to set the PWM (Pulse Width Modulation) output frequency of LEDs to 300Hz, 600Hz, 1200Hz , 2400Hz or High.

**Adjust** - The menu item allows you fine adjustment of the LED frequency around selected frequency.

**User Colours** - Use this menu to show user colours saved in the fixture.

**View User Colours** - The item allows you to read DMX values of colour channels for each user colour (1-10).

**Distribute User Colour** - The item allows you to "send" user colours from this fixture to all connected Robin TX1 PosiProfile fixtures by means of RDM protocol. User colours in the fixtures will be overwritten.

**Tungsten effect simulation** - This function simulates behaviour of a halogen lamp during dimming at calibrated whites 2700K-4200K. You can select from various lamp wattage simulation: 750W, 1000W, 1200W, 2000W, 2500W.

**Init Effect Positions** - Use the menu to set all effects to the desired positions at which they will stay after switching the fixture on without DMX signal received.

**Screen Settings** - Use this menu to change the touch screen settings.

**Display Intensity** - The item allows to control the intensity of the screen (1-min., 10-max.).

**Screen saver Delay** - The item allows you to keep the screen on or to turn it off automatically after 1-10 minutes after last touch (or pressing any button on the control panel).

**Touchscreen Lock** - The item allows you to lock the screen after last touch (or pressing any button on the control panel). The time delay can be set in range of 1-10 minutes. To unlock the screen, press the [ENTER/Display On] button.

**Recalibrate Touchscreen** - The item starts calibration of the touch screen. Follow the instructions on the screen.

**Display Orientation** - The menu allows to change display orientation.

**Normal** - Standard display orientation if the fixture is placed horizontally (e.g. on the ground).

**Inverted** - Inverted orientation (needed if the fixture is hanging on the truss).

**Auto** - The option activates a gravitation sensor for automatic screen orientation.

Note: **Auto** option is set as default. You change the display orientation by touching the icon  on the display, an the option set in the "Display Orientation" menu is temporarily overriden.

**Temperature unit** - Use the menu item to change temperature unit from °C to °F.

**Fan Settings** - Use the menu to set fans operation mode.

**Fan Mode** - Use the menu to set the fixture fans to max. power mode (option "High") or to the auto-control mode (option "Auto"). The third option "Quiet" allows you to set desired fan noise. The light output of the fixture is reduced at low speeds of fans.

**Quiet - Blackout Fan Off** - The menu item allows you to stop all fans in the fixture (option "On") when its light output is closed (shutter in range of 0-31 DMX or dimmer in 0 DMX).

**Dimmer Curve** - Use the menu to select desired dimmer curve: Linear, Square Law or Super Square Law.

**Gobo Indexing** - The following three options define transition from gobo rotation to gobo indexing.

**Max. Speed & Shortcut** - Gobo goes from its rotation to desired indexed position with max. speed and via shortest track.

**Follow Speed & Direction** - Gobo goes from its rotation to desired indexed position with current speed and keeps a direction of rotation.

**Max. Speed & Follow Dir.** - Gobo goes from its rotation to desired indexed position with max. speed and keeps a direction of rotation.

**Date & Time Settings** - Use this menu to set current date and time for the fixture log system (menu "View Logs"). Set this menu items before first fixture operation.

**Focus Tracking** - This feature provides automatic sharpness re-adjustment during zoom movement, after an initial sharpness has been set by the operator by setting the focus channel and enabling the Focus Tracking. The Focus Tracking feature is done via automatic movement of focus element, taking into account several internal parameters, zoom position being one of them. To utilize the Focus Tracking, make sure to enable the Focus Tracking, set the Zoom to value 200 and adjust Focus to desired sharpness. Then, while keeping focus value untouched, you can move the Zoom. Fixture will automatically keep the projection at the desired sharpness as much as possible. You can also re-adjust the focus value over time if needed. When switching between Static gobo wheel, Rotating gobo wheel and an empty aperture, the Tracking Focus will adjust the internal parameters, therefore providing desired sharpness by adjusting the Focus might be required. If you use both Static gobo wheel and Rotating gobo wheel without further adjusting the focus value, Rotating gobo wheel will be automatically used for Focus Tracking 's focusing.

**Default Settings** - The menu item allows to set all fixture parameters in this menu to the default (factory) values except items "DMX Input".

**Password Protection** - allows to enter password in order to prevent unauthorized person from changing setting of the fixture. Password is set to 7623 and cannot be changed.

**Reset Web Password** - The menu item allows you to reset a password for access to the Robe Ethernet Access Portal (REAP), default password: 2479, user: robe.

## 7.4 Tab "Manual Control"



**Reset Functions** - The menu allows to reset the fixture either per function modules or all modules together.

**Total System Reset** - The item resets all function modules.

**Pan/Tilt Reset** - The item resets a pan and a tilt.

**Gobo/Eff. Wh. Reset** - The item resets static and rotating gobo wheel and an effect wheel.

**Optics/Prism/Frost Res.** - The item resets a zoom, focus and a frost module.

**Iris/Framing Sh. Reset** - The item resets an iris module and framing shutters.

**Manual Effect control** - Use the menu to control all fixture channels by means of the control panel.

## 7.5 Tab "Stand-alone"



**Cue Playback** – This feature allows you to play cue recorded from DMX console which can be further edited on the display. This cue can also be created manually on the display. It´s very useful for applications such as

exhibition stands, galleries, car shows, museums and as a key light for illuminating presenters in ball rooms and auditoriums. The cue can be automatically initiated every time the fixture is turned On.

**Preset Playback** - This menu allows you to select a program which will be played in a loop after switching the fixture on.

**None** - The option disables “Preset playback” function.
**Cue** - The option starts saved cue.
**Test** - The option starts the test sequences.
**Prog. 1** - The option starts user program No. 1.
**Prog. 2** - The option starts user program No. 2.

The cue playback can be also activated by DMX command on the channel "Power/Special functions" ,values 140 -141 DMX and deactivated by values 142-143 DMX.

**Play cue** - The option starts playing of saved cue.
**Edit cue** - The option allows you to edit cue. The cue can be also created by saving current DMX values by DMX command on the channel "Power/Special functions" (values 138 -139 DMX).

**Test Sequences** -Use the menu to run a test/demo sequences without an external controller, which will show you some possibilities of using Robin TX1 PosiProfile .

**Dynamic Mode** - This mode uses all Robin TX1 PosiProfile functions including pan/tilt movement and therefore is good for a complete introduction of the fixture.
**Static Mode** - This mode is suitable for projections on the wall, ceiling or ground without any pan/tilt movement. Adjust the pan, tilt, zoom and focus to desired positions an start test sequences by touching the green ▶ icon.

**Music Trigger** - Use the item to activate the sound control of the running program via the built-in microphone.

**Preset Playback** - This menu allows you to select a program which will be played in a loop after switching the fixture on (the option is commonly used in a stand-alone operation without an external DMX controller).

**None** - The option disables “Preset playback” function.
**Cue** - The option starts saved cue.
**Test** - The option starts the test sequences.
**Prog. 1** - The option starts user program No. 1.
**Prog. 2** - The option starts user program No. 2.

**Play program** - Use the menu to run desired program in a loop.

**Play Program 1** - The option starts user program No.1.
**Play Program 2** - The option starts user program No. 2.

**Edit Program** - Use the menu to create or to edit desired program. The Robin TX1 PosiProfile offers two free programs, each up to 68 steps.

**Edit Program 1** - The option allows you to edit user program No.1.
**Edit Program 2** - The option allows you to edit user program No.2.

To edit program:
1. Touch the item which you want to edit (“Edit Program 1” - “Edit Program 2”).
2. Touch the item "Edit Program Steps".
3. Touch the item "Step 1".
4 From the list of effects touch desired effect and set its value. Browse throw the list by touching the [up arrow] and [down arrow] and set all desired effects.
An item "Step Time" (value of 0-25.5 sec.) is the time during which effects last in the current step
5. Save adjusted effects to the current step by touching the [confirm] or save and copy them to the following step by touching the [confirm+copy]. By touching the text box "Preview" next to the current program step you can view created scene.
6. Repeat the steps 4 and 5 for next program steps.
7. After editing desired program steps, adjust the length of the program by touching the text boxes "Start Step" and "End Step".

Meaning of the icons used in the "Edit Program" menu:

- moves down on the next page
- moves up on the previous page
- saves adjusted values and leaves menu
- saves values to the current step and copy them to the following prog. step
- leaves menu without saving values

## 7.6 Tab "Service"



**Adjust DMX Values** - The menu allows you to set all effects to desired positions before fine calibration of the effects .

**Calibrations** - This menu enables fine calibration of fixture effects and download default calibration values.

**Calibrate Effects** - The menu allows the fine adjustment of effects.

**Pan**- a pan position fine adjustment (value range: 0-255)
**Tilt** - a tilt position fine adjustment (value range: 0-255)
**Effect Wheel** - an effect wheel position fine adjustment (value range: 0-255)
**Static Gobo Wheel** - a static gobo wheel fine movement (value range: 0-255)
**Rot. Gobo Wheel** - a carousel of rotating gobos fine movement (value range: 0-255)
**R. Gobo Index 1** - a fine movement of the rotating gobo 1 (value range: 0-255)
**R. Gobo Index 2** - a fine movement of the rotating gobo 2 (value range: 0-255)
**R. Gobo Index 3** - a fine movement of the rotating gobo 3 (value range: 0-255)
**R. Gobo Index 4** - a fine movement of the rotating gobo 4 (value range: 0-255)
**R. Gobo Index 5** - a fine movement of the rotating gobo 5 (value range: 0-255)
**R. Gobo Index 6** - a fine movement of the rotating gobo 6 (value range: 0-255)
**R. Gobo Index 7** - a fine movement of the rotating gobo 7 (value range: 0-255)
**Zoom** - a zoom module fine movement (value range: 0-255)
**Focus** - a focus module fine movement (value range: 0-255)
**Iris** - an iris fine movement (value range: 0-255)
**Frost 1/1** - a light frost fine position movement 1
**Frost 1/2** - a light frost fine position movement 2
**Frost 2/1** - a medium frost fine position movement 1
**Frost 2/2** - a medium frost fine position movement 2
**Fr. Shutters. rot**- a framing shutters module fine rotation (value range: 0-255)
**Fr. Shutter 1 Move** - a Fram. lamella 1 fine moving
**Fr. Shutter 1 Swiv.** - a Fram. lamella 1 fine swivelling
**Fr. Shutter 2 Move** - a Fram. lamella 2 fine moving
**Fr. Shutter 2 Swiv.**- a Fram. lamella 2 fine swivelling
**Fr. Shutter 3 Move** - a Fram. lamella 3 fine moving
**Fr. Shutter 3 Swiv.** - a Fram. lamella 3 fine swivelling
**Fr. Shutter 4 Move** - a Fram. lamella 4 fine moving
**Fr. Shutter 4 Swiv.** - a Fram. lamella 4 fine swivelling

*Calibration of the effects via the control board*

1. Disconnect DMX controller from the fixture and enter the "Calibrate Effects" menu.
2. Use the [up arrow] and [down arrow] to find "Pan" and touch it to enter the fine effect adjustment screen.
3. Set desired value and save it by touching the [confirm].
4. Repeat steps 2 and 3 for next item
5. After calibrating all effects, touch the [confirm] to save all adjusted values and reset the fixture.

*Calibration of the effects via the DMX controller*

1. Connect DMX controller to the fixture and enter the "Calibrate Effects" menu.

Calibration protocol:

| **Effect** | **Mode 4** | **Mode 5** | **Mode 6** |
|---|---|---|---|
| Pan | channel 49 | channel 34 | channel 53 |
| Tilt | channel 50 | channel 35 | channel 54 |
| Ef. wheel | channel 51 | channel 36 | channel 55 |
| Static Gobo Wheel | channel 52 | channel 37 | channel 56 |
| Rot. Gobo Wheel | channel 53 | channel 38 | channel 57 |
| R. Gobo Index 1 | channel 54 | channel 39 | channel 58 |
| R. Gobo Index 2 | channel 55 | channel 40 | channel 59 |
| R. Gobo Index 3 | channel 56 | channel 41 | channel 60 |
| R. Gobo Index 4 | channel 57 | channel 42 | channel 61 |
| R. Gobo Index 5 | channel 58 | channel 43 | channel 62 |
| R. Gobo Index 6 | channel 59 | channel 44 | channel 63 |
| R. Gobo Index 7 | channel 60 | channel 45 | channel 64 |
| Zoom | channel 61 | channel 46 | channel 65 |

| | | | |
|---|---|---|---|
| Focus | channel 62 | channel 47 | channel 66 |
| Iris | channel 63 | channel 48 | channel 67 |
| Frost 1/1 | channel 64 | channel 49 | channel 68 |
| Frost 1/2 | channel 65 | channel 50 | channel 69 |
| Frost 2/1 | channel 66 | channel 51 | channel 70 |
| Frost 2/2 | channel 67 | channel 52 | channel 71 |
| Fr. Shutters rot. | channel 68 | channel 53 | channel 72 |
| Fr. Shutter 1 Move | channel 69 | channel 54 | channel 73 |
| Fr. Shutter 1 swiveling | channel 70 | channel 55 | channel 77 |
| Fr. Shutter 2 Move | channel 71 | channel 56 | channel 75 |
| Fr. Shutter 2 swiveling | channel 72 | channel 57 | channel 76 |
| Fr. Shutter 3 Move | channel 73 | channel 58 | channel 77 |
| Fr. Shutter 3 swiveling | channel 74 | channel 59 | channel 78 |
| Fr. Shutter 4 Move | channel 75 | channel 60 | channel 79 |
| Fr. Shutter 4 swiveling | channel 76 | channel 61 | channel 80 |

**Calibrate Fr. Hysteresis**

**Framing Lamella 1** - a framing lamella 1 reverse movement (value range: 0-8)
**Framing Lamella 2** - a framing lamella 2 reverse movement (value range: 0-8)
**Framing Lamella 3** - a framing lamella 3 reverse movement (value range: 0-8)
**Framing Lamella 4** - a framing lamella 4 reverse movement (value range: 0-8)
The value set for every framing lamella gives a value at which the lamella reacts to its reverse movement promptly (without movement hysteresis).

**Calibrate Colours** - The menu serves for calibration of white colours in a factory, user should not change values in the menu

**Green Corrections** - The menu allows you to correct calibrated whites 2700K, 3200K, 4200K, 5600K , 8000K at CRI 70 and CRI 90. Both shutter and dimmer have to be open during the correction.

**Calibrate Pan/Tilt EMS** - This menu item allows calibration of the pan/tilt electronic motion stabilizer. Important: during this calibration any external force must not influence the fixture and the surface at which the fixture stands (or truss if the fixture hangs) has to be without movement, shake, strokes etc.

**Calibrate Pan/Tilt Reset** - The menu item is used for calibration of pan/tilt reset in factory and also has to be used in case of change of pan or tilt motor or pan/tilt control PCB RB3135 in the fixture arm.

**Load Default Calibrations** - The item loads default (factory) calibration values.

**LEDs Current Calibration** - This process waits about 5 minutes and after its finishing the sign "Current Calibration DONE" will apear on the display. The procedure should be run if some colour nonuniformity has occurred during fixture operation.
I**mportant. The procedure must be run after LEDs module changing or LEDs driver PCB (RB 3407) changing**, otherwise damage of LEDs module may occur! This calibration of LEDs curent must be run before dimmer activation!
Note: Calibration of LEDs current can be also run by means of the RDM manager ver. 1.0.12 and higher (LED Driver -->Start Current Calibration).

**Rotating Gobos Change** - This menu makes changing of rotating gobos in the fixture easier.
**Gobo Carousel 1** - The menu allows movement of rotating gobos on the gobo carousel 1 to positions suitable for their changing.

**G1-Mg** - a movement of the gobo 1 (gobo holder with magnet) to the changing position.
**G2** - a movement of the gobo 2 to the changing position.
:
**Gobo Offset** -a gobo offset setting. The function allows fine swiveling of the gobo holder. The set value is valid for all gobos on the gobo carousel 1.

**LEDS HW version** - The item shows a hardware version of the LED engine.

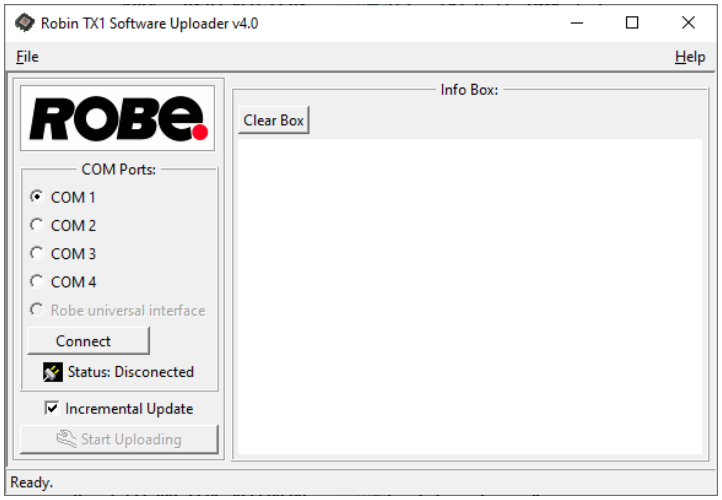
**Update software** - The menu item allows you to update software in the fixture.
The following items are required in order to update software:
- PC running Windows or Linux or macOS

- DSU file
- Flash cable RS232/DMX, P/N13050624 (if you want to use a serial port of PC)
- Robe Universal Interface or Robe Universal interface WTX (if you want to use an USB port of PC)

After the software updating the fixture will be set to default values.

To update software in the fixture:

1. DSU file is available from Robe web site at WWW.robe.cz.
   File with extension zip is intended for Windows (used and tested from XP to W10 on 32/64bit systems).
   File with extension tbz is intended for Linux (used and tested on Debian and Ubuntu 32/64bit).
   File with extension dmg is intended for macOS (used and tested on OSX up to Sierra) XQuartz required, install it from https://www.xquartz.org/
   Save the download file to a folder on your computer.
   In case that you use windows, extract files in the zip file (e.g. DSU_RobinTX1_22042563.zip)
2. Disconnect the fixture from DMX controller.
3. If you use the flash cable RS232/DMX, connect a serial port of your computer with DMX input of the fixture by means of the cable.
   If you use the Robe Universal Interface, connect a USB port of your computer with the Robe Universal Interface by means of the USB cable and DMX input of the fixture with the DMX output of the Robe Universal Interface via a DMX cable.
4. Switch the fixture to the update mode (tab "Service" --> Update Software).
   Note: If you do not want to continue in the software update, you have to switch off and on the fixture to escape from the updating mode.
   We recommend to cancel all running programs on your computer before starting the software update.
5. Double-click the software uploader file (e.g. DSU_RobinTX1_22042563.exe) in the extracted files. The Software Uploader program will start running.




6. Select correct "COM " number if you use a Flash cable RS232/DMX or select "Robe Universal Interface " if you use the Robe Universal Interface/Robe Universal Interface WTX and then click on the "Connect" button.
7. If the connection is OK, click the “Start Uploading" button to start software uploading. It will take several minutes to perform software update.
   If the option "Incremental Update" is not checked, all processors will be updated (including processors with the same software version).
   If you wish to update only processors with new version of software, check the “Incremental Update box“.
   Avoid interrupting the process. Update status is being displayed in the "Info Box" window.
   When the update is finished, the line with the text “Fixture is successfully updated“ will appear in this window.

In case upload process is interrupted (e.g. power loss), the fixture stays in “Updating mode” and you will have to repeat the software update again.

Another way, how to update software in the fixtures (especially large installation of fixtures) is to use the ROBE Uploader. It is a software for automatized software update of Robe fixtures. It takes advantage of RDM support).

For more information please see https://www.robe.cz/robe-uploader/.

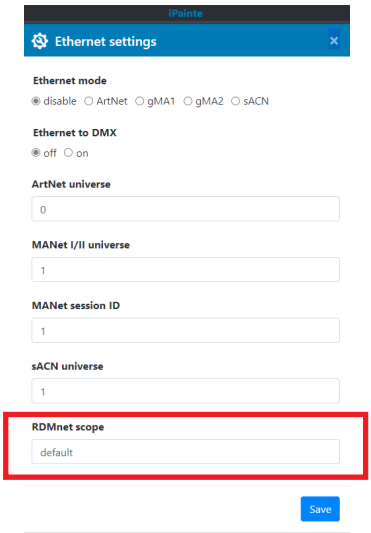
# 8. RDM

This fixture supports RDM operation. RDM (Remote Device Management) is a bi-directional communications protocol for use in DMX512 control systems, it is the new open standard for DMX512 device configuration and status monitoring.
The RDM protocol allows data packets to be inserted into a DMX512 data stream without adversely affecting existing non-RDM equipment. By using a special „Start Code," and by complying with the timing specifications for DMX512, the RDM protocol allows a console or dedicated RDM controller to send commands to and receive messages from specific moving lights.
RDM allows explicit commands to be sent to a device and responses to be received from it.
The list of commands for Robin TX1 PosiProfile is the following.

| Parameter ID | Discovery command | SET command | GET command |
|---|---|---|---|
| DISC_UNIQUE_BRANCH | * | | |
| DISC_MUTE | * | | |
| DISC_UN_MUTE | * | | |
| DEVICE_INFO | | | * |
| SUPPORTED_PARAMETERS | | | * |
| SOFTWARE_VERSION_LABEL | | | * |
| DMX_START_ADDRESS | | * | * |
| IDENTIFY_DEVICE | | * | * |
| DEVICE_MODEL_DESCRIPTION | | | * |
| MANUFACTURER_LABEL | | | * |
| DEVICE_LABEL | | * | * |
| SENSOR_DEFINITION | | | * |
| SENSOR_VALUE | | | * |
| DISPLAY_INVERT | | * | * |
| DISPLAY_LEVEL | | * | * |
| PAN_INVERT | | * | * |
| TILT_INVERT | | * | * |
| DEVICE_RESET | | * | |
| DMX_PERSONALITY | | * | * |
| DMX_PERSONALITY_DESCRIPTION | | | * |
| STATUS_MESSAGES | | | * |
| STATUS_ID_DESCRIPTION | | | * |

RDM model ID for the Robin TX1 PosiProfile is 0x0126.

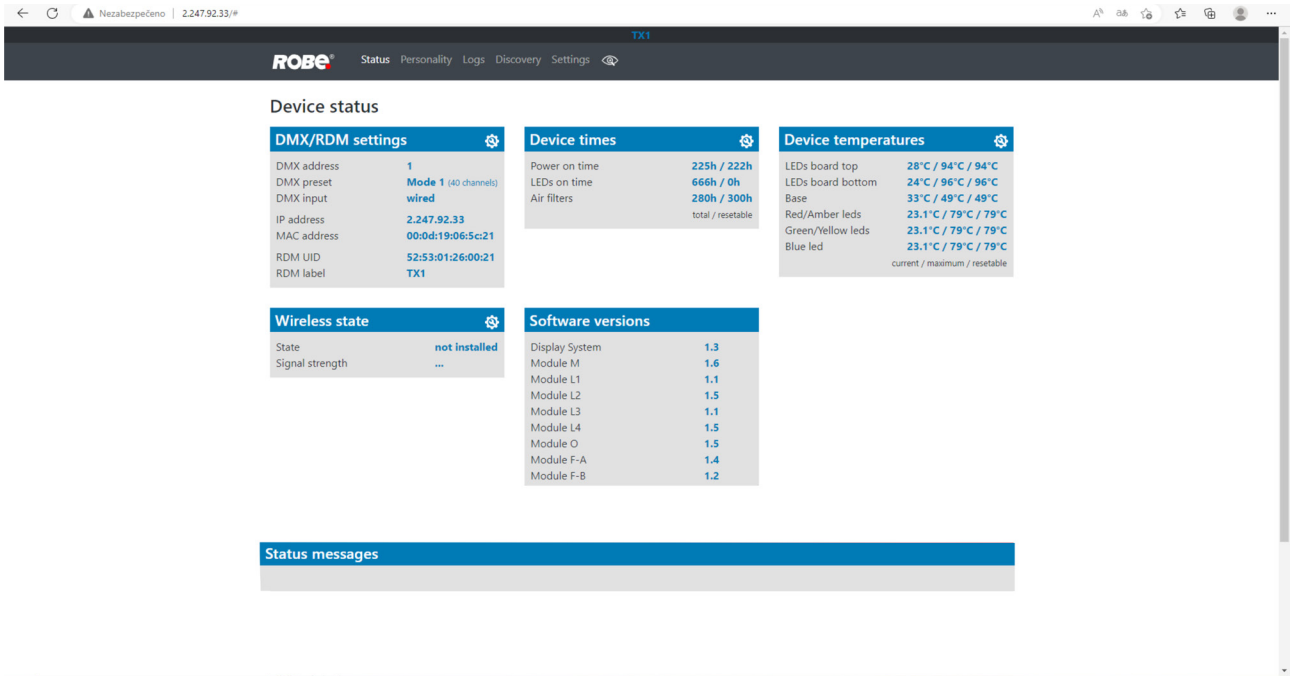
If you need to set RDMnet scope, use the ROBE Ethernet Acces Portal (REAP) and menu Personality--> -->Ethernet Settings.



# 9. Robe Ethernet Access Portal (REAP)

The REAP allows you to display on your computer information about some fixture settings, operating conditions (e.g. temperature in the fixture) and error messages which were generated during fixture operation.
Your computer needs to be connected to the fixture(s) through the means of Ethernet wired network and a network switch.
The Ethernet network connection (Local LAN) typically needs to be set to 2.x.x.x address, assuming that no other computer on the network contains such an address while keeping all ROBE fixtures in default IP settings.

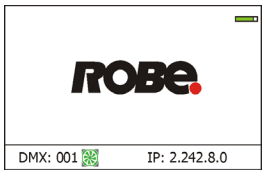
For more information about REAP options, computer and fixture settings please see the REAP user manual at https://www.robe.cz/res/downloads/user_manuals/User_manual_REAP.pdf.



# 10. Error and information messages

## Information icons

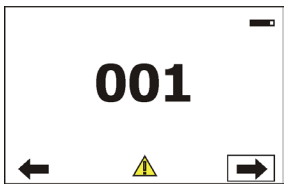
**- Air Filters Cleaning**




This icon signalizes that cleaning period of the air filters has elapsed and you have to clear air filters and reset the menu item "Elapsed Time".

## Errors

Error in the fixture is signalled by the yellow warning icon at the bottom line of the screen:




Touch the warning icon or press the [ESCAPE] button to display error messages.
List of error and information messages:

### Tilt Error 1 *(Tilt Error 2)*

This message will appear after the reset of the fixture if the head´s magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or the stepping motor is defective or its driving IC on the PCB. The head is not located in the default position after the reset.

### Pan Error 1 *(Pan Error 2)*

This message will appear after the reset of the fixture if the yoke´s magnetic-indexing circuit malfunctions (sensor failed or magnet is missing) or the stepping motor is defective or its driving IC on the PCB. The yoke is not located in the default position after the reset of the fixture.

### Frost 1 Error 1 (Frost 1 Error 2 )

The messages will appear after the reset of the light frost module if this module is not located in the default position.

### Frost 2 Error 1 (Frost 2 Error 2 )

The messages will appear after the reset of the medium frost module if this module is not located in the default position.

### Zoom Error 1 (Zoom Error 2 )

The messages will appear after the reset of the zoom module if the zoom lens is not located in the default position.

### Focus Error 1 (Focus Error 2 )

The messages will appear after the reset of the focus module if the focus lens is not located in the default.

### Gobo Carousel Error 1 (Gobo Carousel Error 2 )

The messages will appear after the reset of the rotating gobo wheel if this wheel is not located in the default position.

### Gobo Rotation Error 1 (Gobo Rotation Error 2 )

The messages will appear after the reset of the rotating gobo wheel if the rotating gobos are not located in the default positions.

### Effect Wheel Error 1 (Effect Wheel Error 2 )

The messages will appear after the reset of the effect wheel if this wheel is not located in the default position

### Fr. Shutters Rot. Error 1 (Fr. Shutters Rot. Error 2 )

The messages will appear after the reset of the framing shutters module if this module is not located in the default position.

### Fr. Shutter 1 Error 1 (Fr. Shutter 1 Error 2 )

The messages will appear after the reset of the framing shutters module if the frame 1 is not located in the default position.

**Fr. Shutter 2 Error 1 (Fr. Shutter 2 Error 2 )**
The messages will appear after the reset of the framing shutters module if the frame 2 is not located in the default position.

**Fr. Shutter 3 Error 1 (Fr. Shutter 3 Error 2 )**
The messages will appear after the reset of the framing shutters module if the frame 3 is not located in the default position.

**Fr. Shutter 4 Error 1 (Fr. Shutter 4 Error 2 )**
The messages will appear after the reset of the framing shutters module if the frame 4 is not located in the default position.

**EEprom Error**
Hardware error of the EEprom.

**Recharge The battery**
The battery on the display board needs to be charged. Let the fixture on for about 6 hrs.

**Battery Faulty. Replace it.**
The battery on the display board is exhausted and should be replaced immediately.

**Pan/Tilt EMS Cal. Error**
The EMS system is not calibrated.

**Pan/Tilt EMS Error**
Control electronics cannot communicate with the EMS system.

**Internal Error 1**
Communication error between PCBs (error or noise was detected on communication wires)

**Internal Error 2**
Communication error (some PCB has failed or is disconnected (this PCB will show as N/A in menu --> Information --> Software versions) or error/noise was detected on communication wires).

**Clean Air Filters**
The message informs you that the item "Elapsed Time" in the "Fixture Information" menu is at 0 value. Clean air filters and reset this counter.

**Blue 1 Short Error/ Blue 2 Short Error/ Blue 3 Short Error/ Blue 4 Short Error**
Some blue LEDs in the light source have short circuit or are disconnected.

**Green 1 Short Error/ Green 2 Short Error**
Some green LEDs in the light source have short circuit or are disconnected.

**Light Green 1 Short Error/ Light Green 2 Short Error/ Light Green 3 Short Error/ Light Green 4 Short Error**
Some light green LEDs in the light source have short circuit or are disconnected.

**Amber 1 Short Error/ Amber 2 Short Error/ Amber 3 Short Error/ Amber 4 Short Error**
Some amber LEDs in the light source have short circuit or are disconnected.

**Red 1 Short Error/ Red 2 Short Error/ Red 3 Short Error/ Red 4 Short Error**
Some red LEDs in the light source have short circuit or are disconnected.

**LEDs Colour Cal. Missing**
Colour calibration of the light source was not done, e.g. after TE light source change.

**LEDs Current Cal. Missing**
LEDs current calibration was not done. Go to the tab Service and run the item LEDs Current Calibration.
Note: Calibration of LEDs current can be also run by means of the RDM manager ver. 1.0.12 and higher (LED Driver -->Start Current Calibration).

### Base Fan Bad

The fan in the fixture base is disconnected from its control PCB or is faulty and should be replaced. A light output from the fixture is closed.

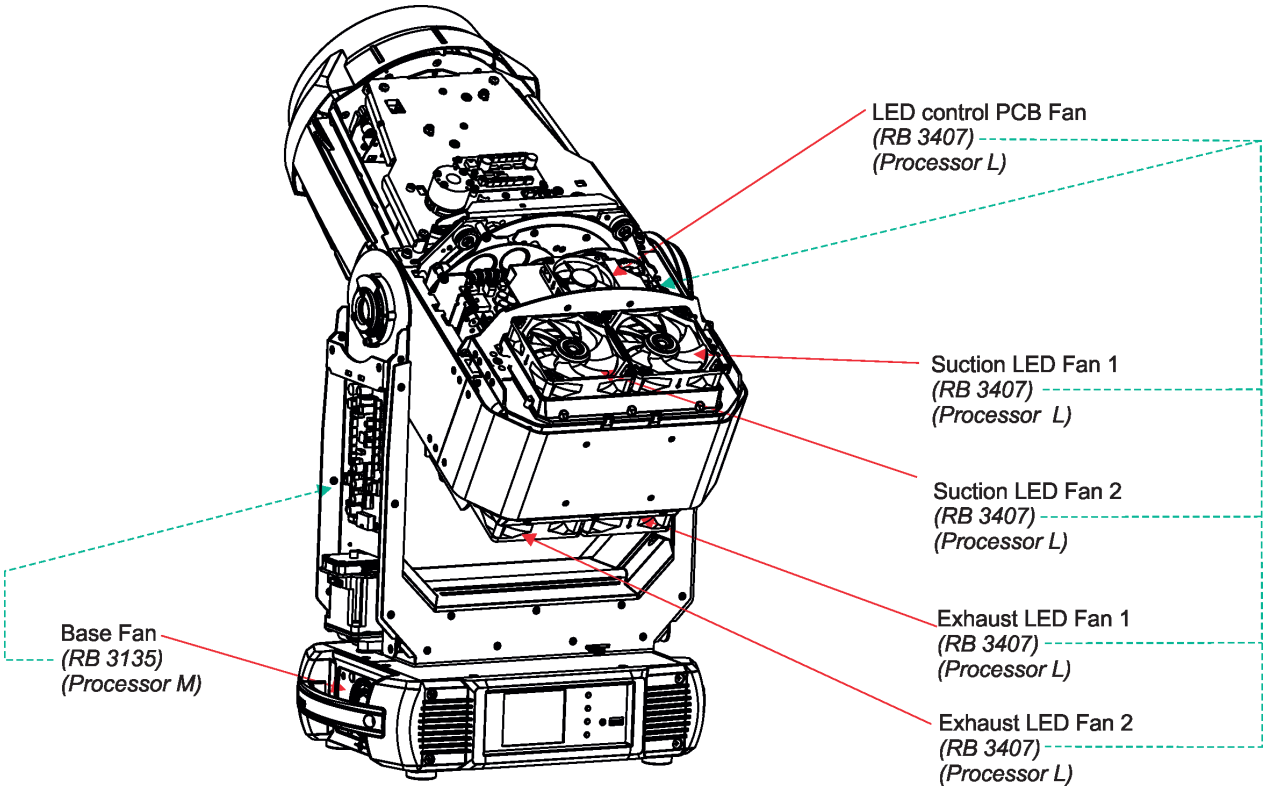
### Suction LED Fan 1 Bad/ Suction LED Fan 2 Bad

The suction fan 1 (fan 2) at the LED engine is  is disconnected from its control PCB or is faulty and should be replaced.

### Exhaust LED Fan 1 Bad/ Exhaust LED Fan 2 Bad

The exhaust fan 1 (fan 2) at the LED engine is is disconnected from its control PCB or is faulty and should be replaced.

Positions of fans (and their control PCBs):



# 11. Technical Specifications

## Electrical

Power supply: electronic auto-ranging
Input voltage range: 100-240V, 50-60Hz
Fuse: T 10 A
Max. power consumption: 640W (power factor 0.98)

## Optic

Light source type: TE™ 500W Multi-Spectral LED engine (Red, Green, Blue, Amber, Lime)
CMY/RGB/RGBAL colour mixing
CRI setting range: Standard (85) - High (90+)
Typical lumen maintenance: L70/B50 @ 40.000 hours

## Virtual colour wheel

67 preset colours
10 user colours
Rainbow effect with variable speed

## CTC

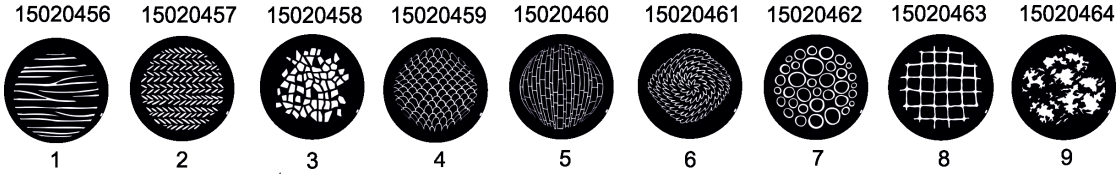
White light: Variable CCT 2700K – 8000K
Halogen lamp effect at whites 2700K- 4200K

## Effect wheel (if drop-in gobo module installed)

Aluminium effect wheel rotating in both directions with variable speed

## Static gobo wheel (if drop-in gobo module installed)

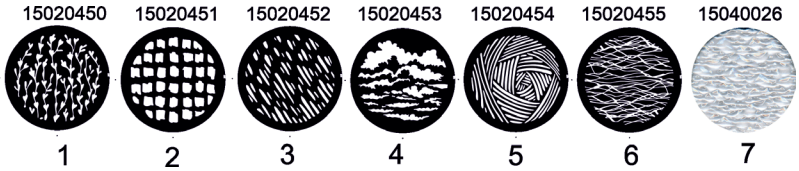
9 replaceable gobos, outside diameter: $26.8^{+0,1}$ mm, image diameter=22 mm, high temperature borofloat or better glass, thickness=1.1 mm
Gobo wheel continuous rotation
Gobos order:




Note. Steel (or aluminium) gobos cannot be used due to thermal stress.

## Rotating gobo wheel (if Gobo module installed)

7 glass gobos can be indexed and rotated in both directions at different speeds,
gobo wheel continuous rotation
Gobos: outside diameter= $26.8^{+0,1}$ mm, image diameter=23.5 mm, thickness=1-3.5 mm, high temperature borofloat or better glass. Do not use steel gobos 0.15mm
"Slot&lock" system for easy replacement of gobos
Gobos order:




Note. Steel (or aluminium) gobos cannot be used due to thermal stress.

## Frost filters

2 separate,variable frost filters ( light (1°) and medium (5°))
The medium filter is replaceable

**Iris**

Motorized iris for different beam diameters

**Framing shutters module**

4 individually positionable shutters plus rotation of the complete frame system +/- 60°
Each framing shutter can be swiveled

**Zoom**

Linear motorized zoom
Min. beam angle :4.8°
Max. beam angle: 51.5°

**Strobe**

Strobe effect with variable speed (0.3 - 20Hz)

**Dimmer**

Smooth dimmer from 0 - 100 %

**Control**

Graphic touch screen for fixture setting and addressing
Gravitation sensor for auto screen positioning
Battery backup of the touch screen
MAPS system
BARS system
Readout fixture and LEDs usage, receiving DMX values, temperatures, etc
Built-in analyzer for easy fault finding, error messages
Silent fans cooling,
Stand-alone operation
2 user editable programs, each up to 68 steps
Supported protocols: USITT DMX 512, RDM, RDMnet, ArtNet, MANet, MANet2, sACN
Support of RDM (Remote Device Management)
6 DMX modes (40, 27, 44, 48, 33, 52 control channels)

**Wireless DMX/RDM module type RW 001 (wireless DMX version only)**

Supported protocols: full RDM support, CRMX , W-DMX™ G2, G3,G4 and G4S
Operational frequency range: 2402-2480 MHz
Output power: 100 mW
Receiver sensitivity (0.1% BER): -93 dBm
Crystal Clock Frequency : 16.0 MHz

**Pan/Tilt**

Pan movement range 540°
Tilt movement range 270°
16 bit movement resolution
Pan/Tilt electronic motion stabilizer
Automatic Pan/Tilt position correction
Remotely controllable speed of pan/tilt movement for easy programming
Pan/tilt-lock mechanism

**Connection**

DMX data in/out: 2x Locking 3-pin and 5-pin XLR
AC power input: 1x Chassis connector Neutrik PowerCon TRUE 1,
Ethernet IN/OUT (Epass version only): 2x RJ 45

**Max. number of fixtures in Ethernet IN/Out line (EP version only)**

8

**Rigging**

Mounting points: 2 pairs of 1/4-turn locks
Mounting horizontally or vertically via 2 Omega brackets

**Temperatures**

Maximum/Minimum ambient operating temperature : +45°C/-5°C
Maximum housing temperature : 70° C

**Minimum distances**

Min. distance from flammable surfaces: 0.5 m
Min. distance to lighted object: 2 m

**Total heat dissipation**

1637 BTU/hr (calculated)

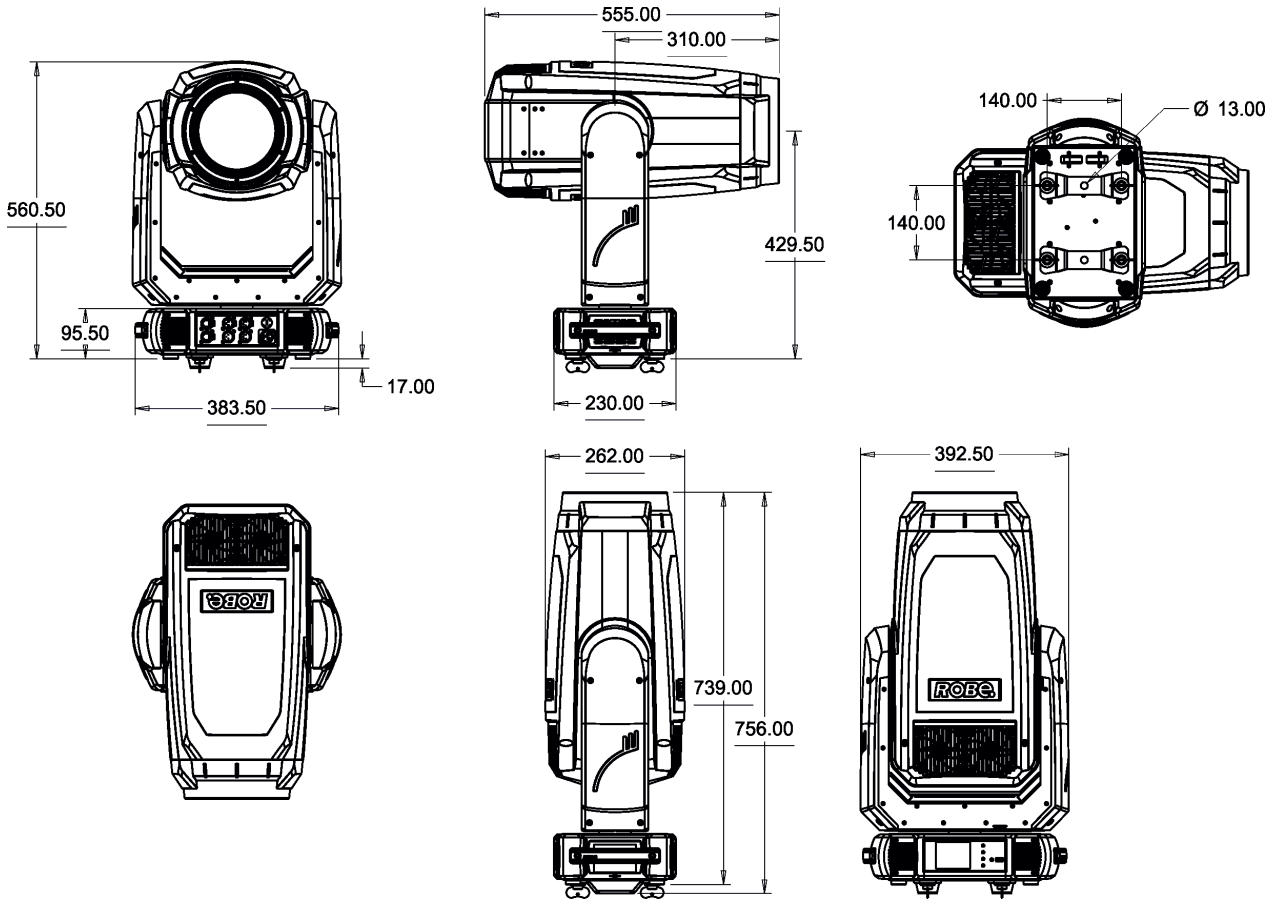
**Weight**

24.3 kg

**Protection factor**

IP20

**Dimensions (mm)**



## Accessories

1 x Omega adaptor CL-regular 2 pcs in box (P/N 10980033)
1 x Power cable including powerCON TRUE1
1 x Gel Frame adaptor TX1 PosiProfile (P/N 99017026), installed on the fixture head

## Optional accessories

Drop-in gobo module for TX1 (P/N 10980749)
Doughty Trigger Clamp (P/N 17030386)
Safety wire 35 kg (P/N 99011963)
Frost 0,5° (exchange) for Robin T1 Profile/Esprite (P/N 10980583)
Frost 10° (exchange) for Robin T1 Profile/Esprite (P/N 10980497)
Frost 20° (exchange) for Robin T1 Profile/Esprite (P/N 10980574)
Frost 30° (exchange) for Robin T1 Profile/Esprite (P/N 10980584)
Omega Adaptor Tall CL - 2 pcs in box (P/N 10980501)
Upgrade kit CRMX Universal 260 (P/N 99030100)
MSL-TE LED Engine for TX1 (P/N 14080088)

# 12. Maintenance and cleaning

It is absolutely essential that the fixture is kept clean and that dust, dirt and smoke fluid residues must not build up on or within the fixture. Otherwise, the fixture‘s light-output will be significantly reduced. Regular cleaning will not only ensure the maximum light output, but will also allow the fixture to function reliably throughout its life.
A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should alcohol or solvents be used!

***DANGER !***
***Disconnect from the mains before starting any maintenance work***

The front objective lens will require weekly cleaning as smoke fluid tends to building up residues, reducing the light output very quickly. The cooling-fans should be cleaned monthly.
The interior of the fixture should be cleaned at least annually using a vacuum-cleaner or an air-jet.
Gobo wheels and the internal lenses should be cleaned monthly.
Remove dust and dirt from the fans and cooling vents using a soft brush and vacuum cleaner.

***Important! Check the air filters periodically and clean before they become clogged***

Clean the air filter placed in the base. Use a vacuum cleaner, compressed air or you can wash them and put back dry.
After replacing the air filter, reset the elapsed time counter in the tab "Information"
(Information--->Air Filters---> Elapsed Time).

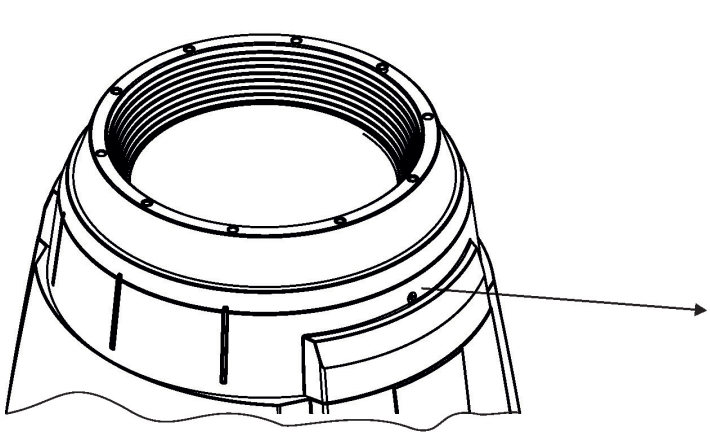
**Replacing the fuse.**
Before replacing the fuse, unplug mains lead.

1. Remove the fuse holder on the rear panel of the base with a fitting screwdriver from the housing (anti-clockwise).
2. Remove the old fuse from the fuse holder.
3. Install the new fuse in the fuse holder (only the same type and rating).
4. Replace the fuseholder in the housing and fix it.

**Checking plastic parts of the fixture.**
The plastic parts of the fixture should be checked for damages and beginning cracks at least every two months. In addition, the plastic part of the front lens has to be checked mechanically (by means of movement by the plastic part) if it is firmly fastened to the fixture. If hint of a crack is found on some plastic part, do not use the fixture until the damaged part will be replaced.
Cracks or another damages of the plastic parts can be caused by the fixture transportation or manipulation and also ageing process may influence plastic materials.

This checking is necessary for both fixed installations and preparing fixtures for renting. Any free moving parts inside of the fixture head, cracked plastic or any plastic part of front lens not sitting properly in place need to be immediately replaced.

Example of a crack on the plastic cover (for illustrative purpose).





**Changing pan/tilt motors or pan/tilt driver.**
In case of change of pan motor or tilt motor or pan/tilt control PCB (RB 3135 in the fixture arm) you have to run the procedure Calibrate Pan/Tilt Reset in the tab "Service" (tab Service--> Calibrations --> Calibrate Pan/Tilt Reset).

## 12.1 Disposing of the product

To preserve the environment please dispose or recycle this product at the end of its life according to the local regulations and codes.

# 13. ChangeLog

This section summarizes changes in the user manual.

| Version of the manual | Date of issue | Description of changes |
|---|---|---|
| 1.1 | 07/07/2022 | DMX chart ver.1.4 |
| 1.2 | 11/07/2022 | Change of LED module added |
| 1.3 | 23/08/2022 | Gobo module change added |
| 1.4 | 18/10/2022 | DMX chart ver. 1.5 |
| 1.5 | 21/11/2022 | Tilt movement range corrected, DMX chart ver. 1.6 |
| 1.6 | 09/12/2022 | Cue playback added, DMX chart ver. 1.7 |
| 1.7 | 02/02/2023 | Chapter REAP added |
| 1.8 | 03/04/2023 | Notes about EMC added |
| 1.9 | 12/06/2023 | Gel frame adaptors changed |
| 2.0 | 15/12/2023 | RDMnet, QR code on display |
| 2.1 | 19/01/2024 | Theatre mode added, DMX chart v. 1.8 |
| 2.2 | 04/12/2024 | LEDs current calibration description |
| 2.3 | 31/03/2025 | Rot. gobo change |

*February 31 2025*
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*All Specifications subject to change without notice*
*Made in CZECH REPUBLIC by ROBE LIGHTING s.r.o. Palackeho 416/20 CZ 75701 Valasske Mezirici*

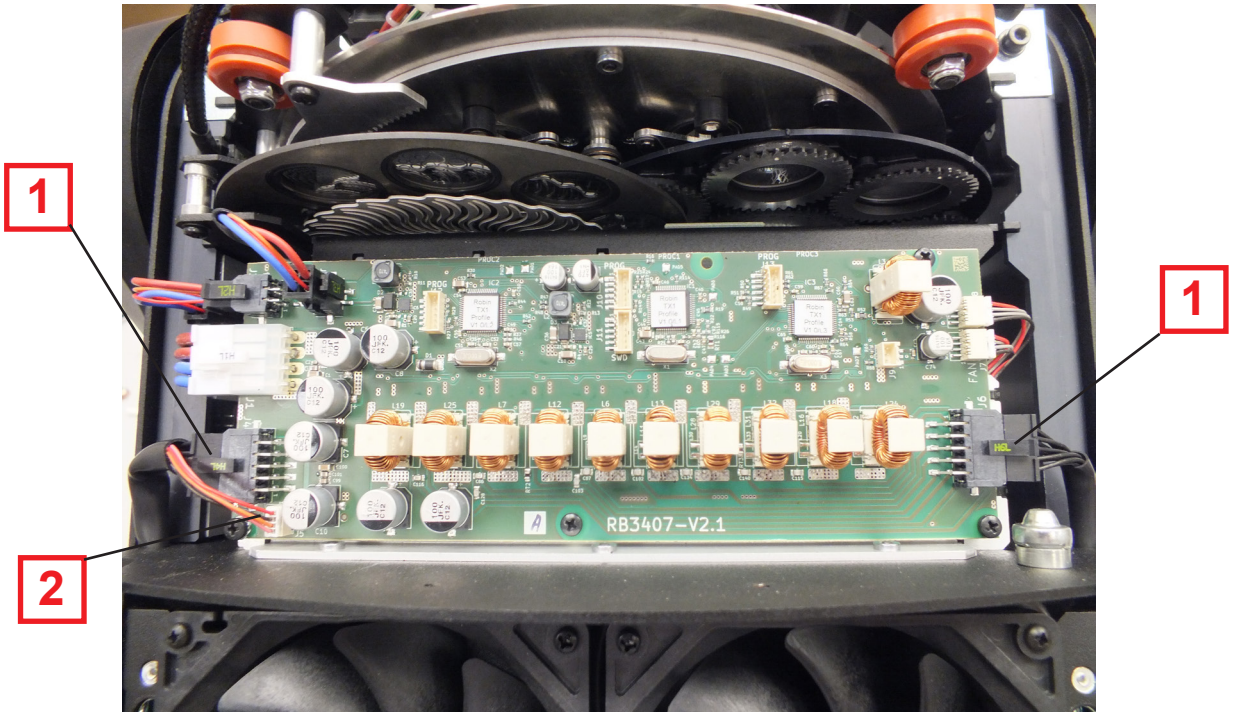
# 14. Appendix

## 14.1Changing the LED light source

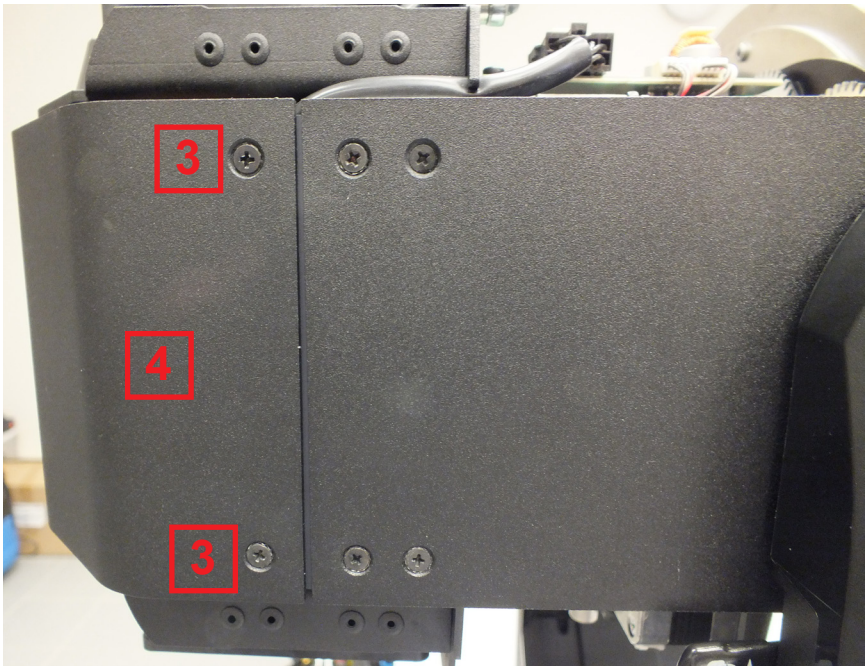
The Robin Forte allows you to change the LED light source and this way keep a high performance of the fixture.

To change the LED light source.

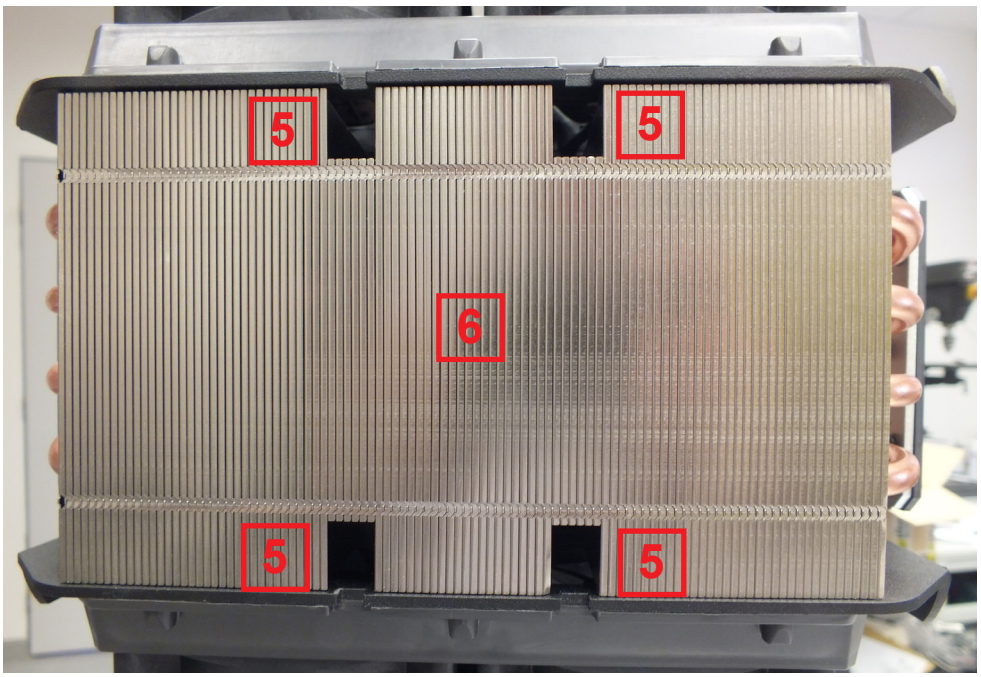
1. Disconnect the fixture from mains and allow it to cool about 30 minutes.
2. Remove top covers of the fixture and lock the head in a horizontal position in which you will have access to the control PCB of the LED light source.
3. Disconnect two black connectors (1) and one white connector (2) from the LEDs control PCB.



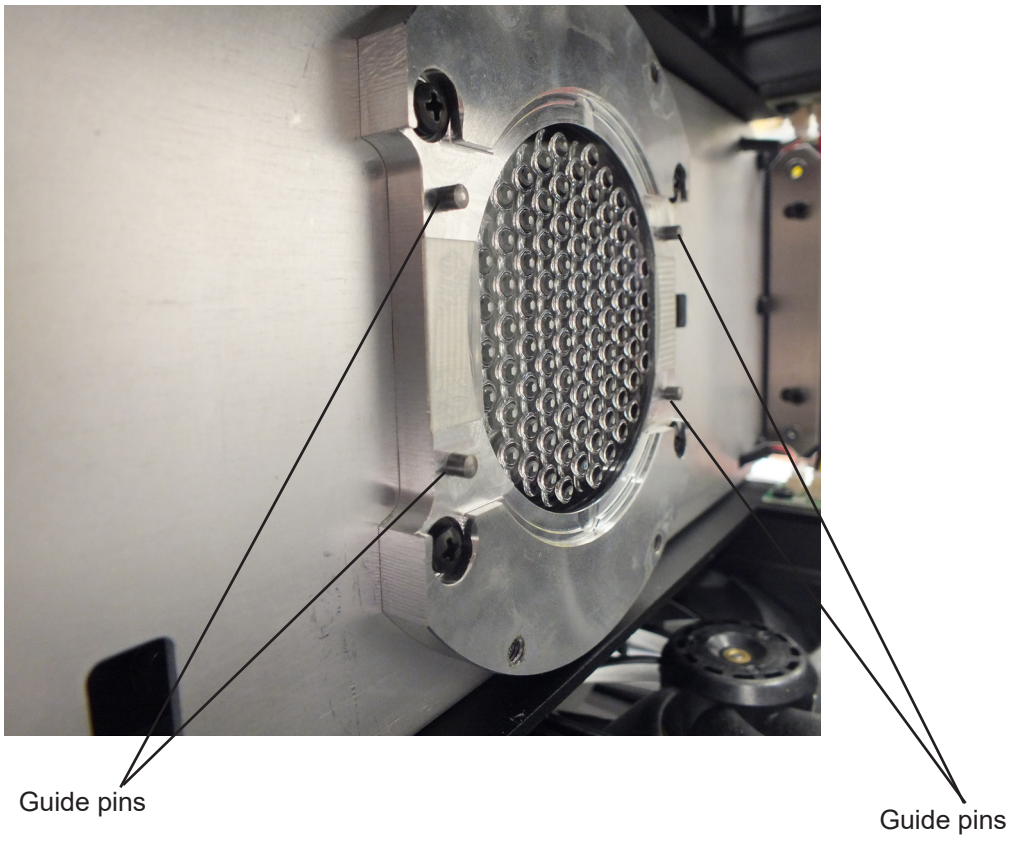

4. Unscrew two screws M3x12 with star washers (3) on each side of the rear cover (4) of the head and remove the cover (4).



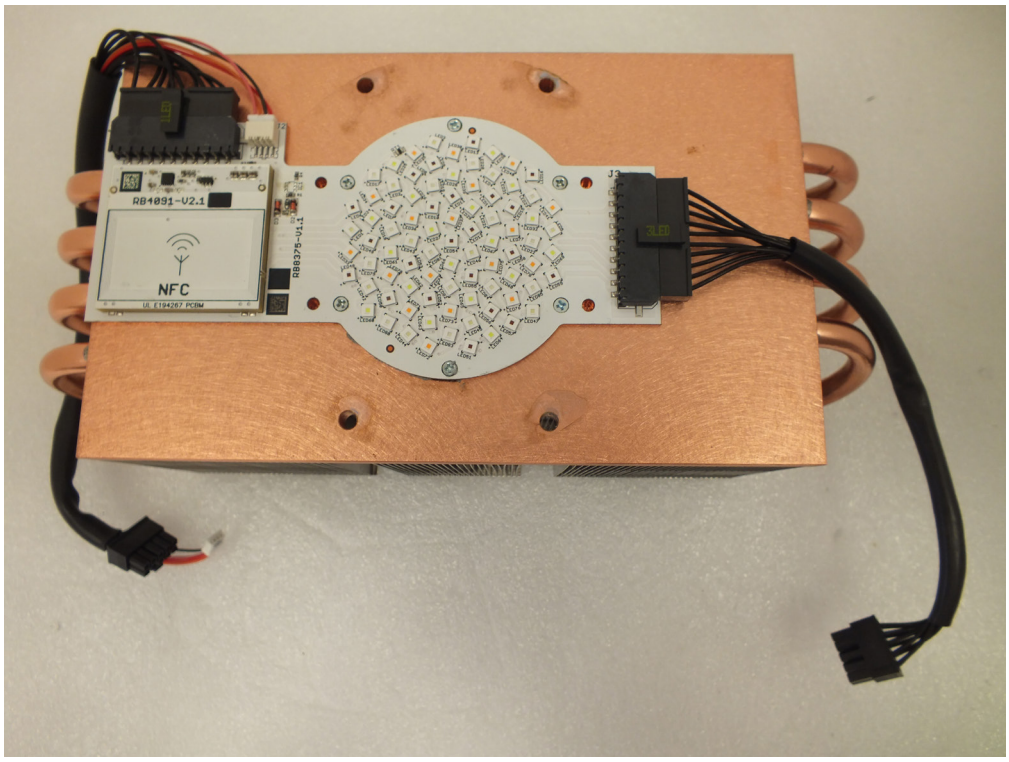
5. Unscrew the four screws M5x25 and remove the LED light source (6) from the head. Be careful, the LED light source is heavy.




Fixture head without the LED light source. View of optical LED module.



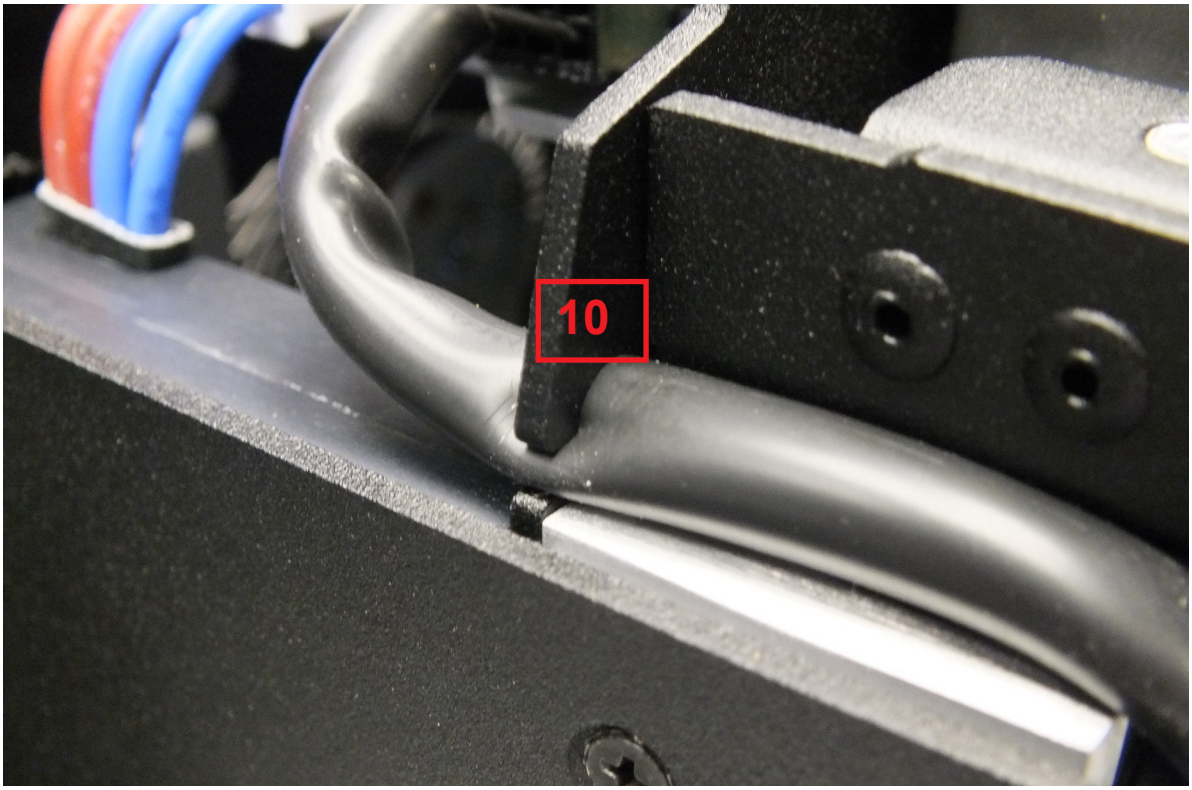
The new LED light source includes PCB with LEDs, heat sink and connecting cables with connectors. Handle with care. Do not touch LEDs with bare hands.



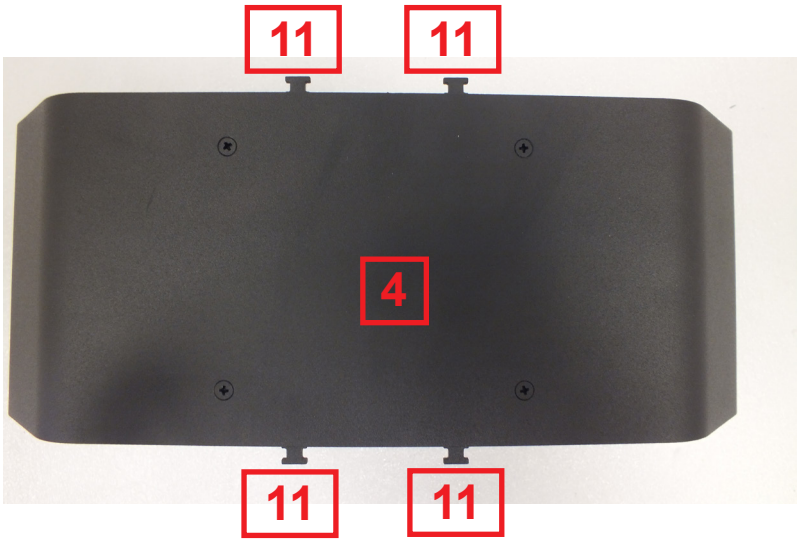

6. To install the new LED light source, proceed in a reverse order than at its dismantling, i.e. screw the LED lightsource (6) to the head, screw the rear cover (4) on the head and connect the connectors from the LED light source to the LEDs control PCB.

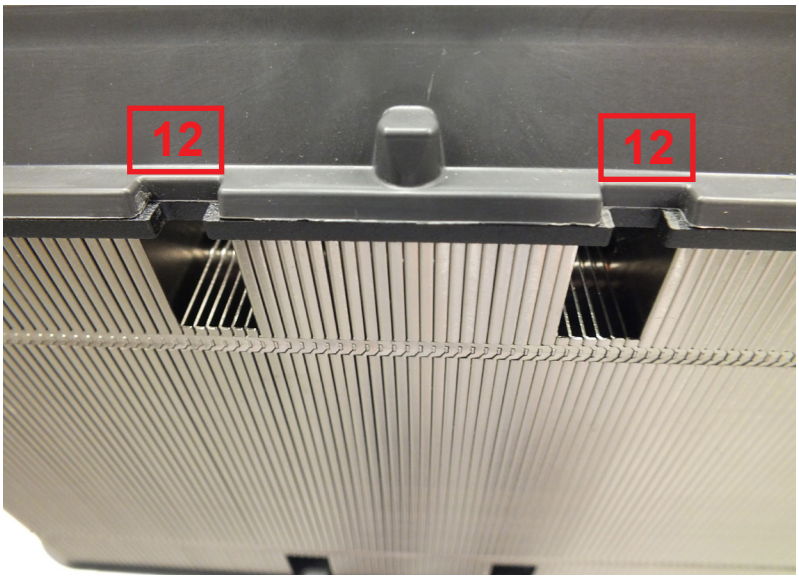
Placing of the LED light source cables:

Cables on both sides of the LED light source have to be inserted in the grooves (10) of the chassic.

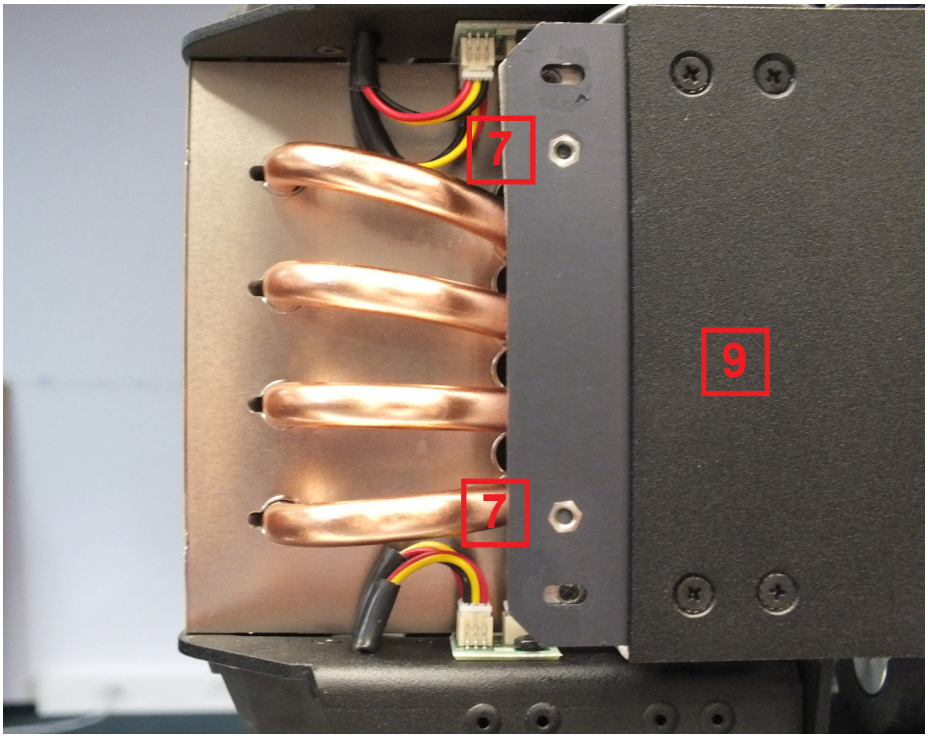


**Note for mounting of the rear cover (4)**.
The protrusions (11) of the rear cover (4) have to be correctly placed to the openings (12) of chassis.

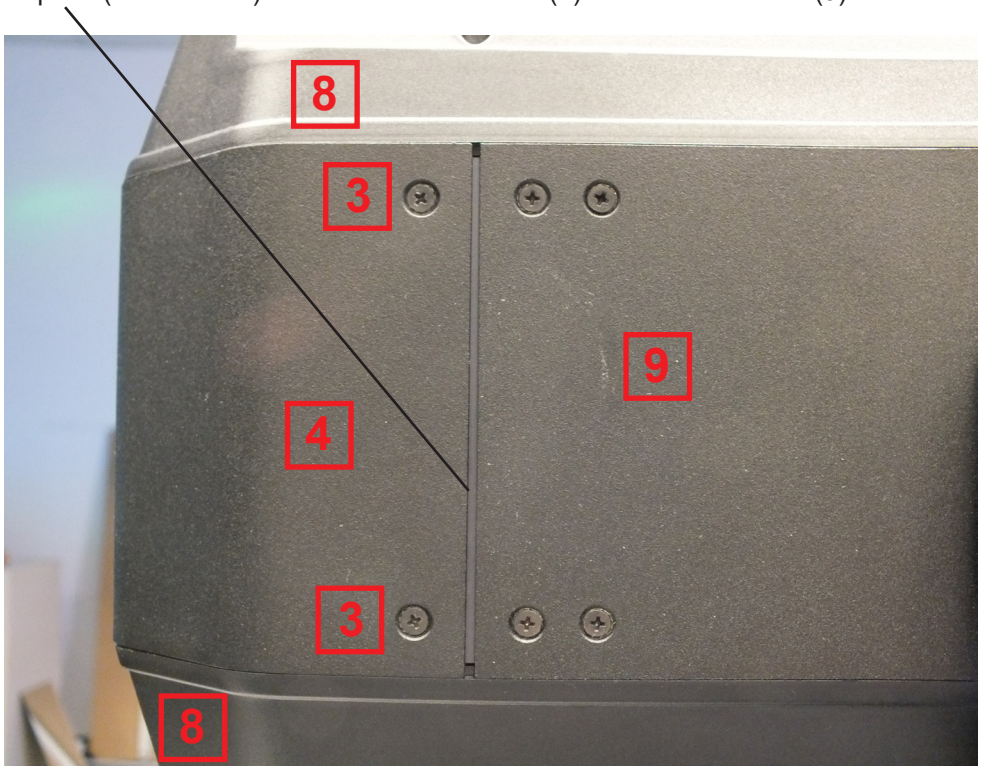


After placing the rear cover (4) on the head, do not fully tighten the screws (3) in the holes with M3 thread (7) We recommend you to install one or both plastic covers (8) on the head, check that cover (s) properly fits to the rear cover (4) and then fully tighten the rear cover screws (3).




There can be a space (about 1 mm) between the rear cover (4) and the side cover (9).



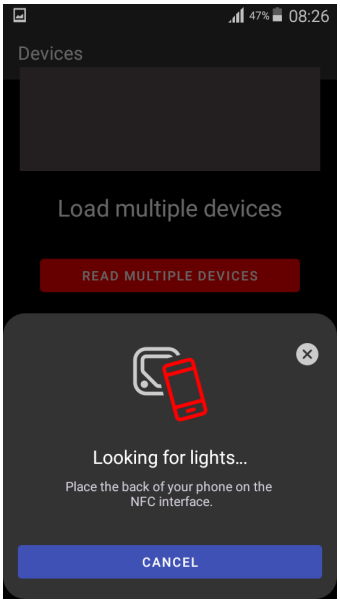

After finishing the LED ligh source installation and placing plastic covers back on the fixture and securing them by safety wires, connect the fixture to mains and run the procedure LEDs Measure from the tab Service on the touch screen.

## 14.2. Obtaining information about the LED light source by mobile phone

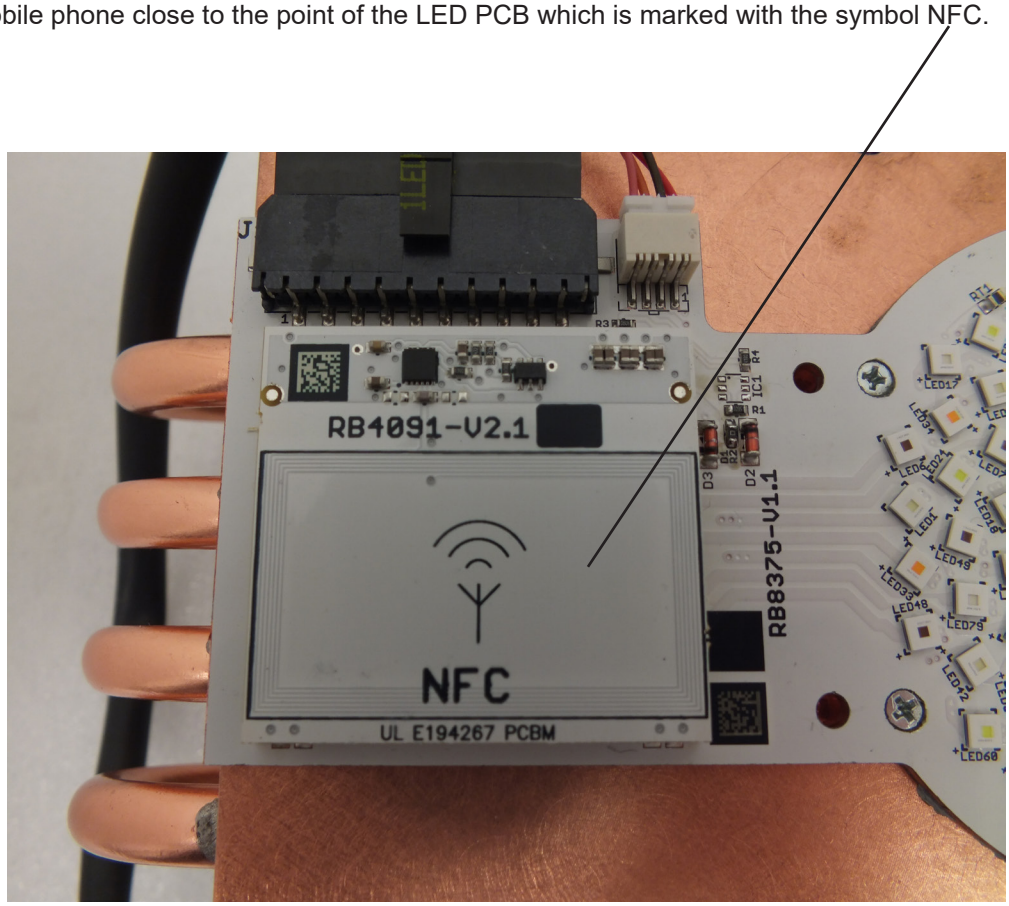
You can read information about the LED light source by means of the mobile application ROBE COM. The LED light source has to be outside of the fixture.

Download and install the application ROBE COM from Google Play (for Android 5.0 and higher) or App Store (for iOS 12.0 and higher) to your mobile phone. Your mobile phone has to support NFC (Near-Field Communication).

After installing the ROBE COM, run the application by touching the icon .
The following screen will appear:

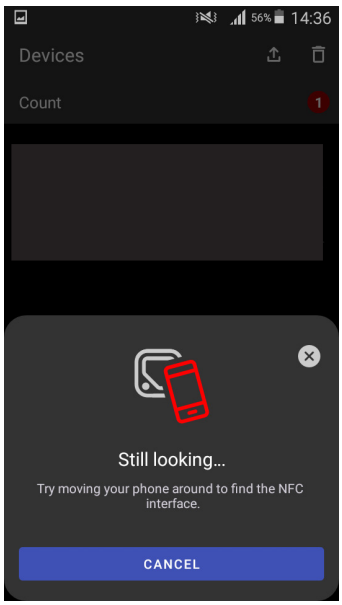


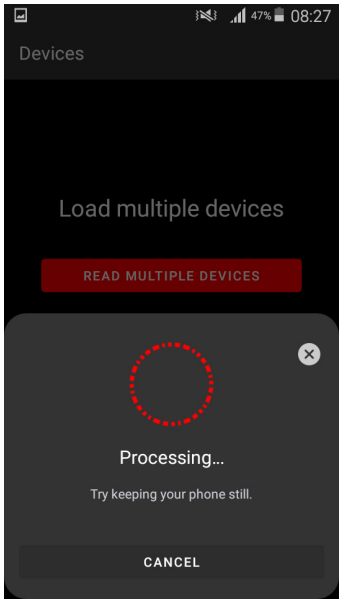

Hold the mobile phone close to the point of the LED PCB which is marked with the symbol NFC.

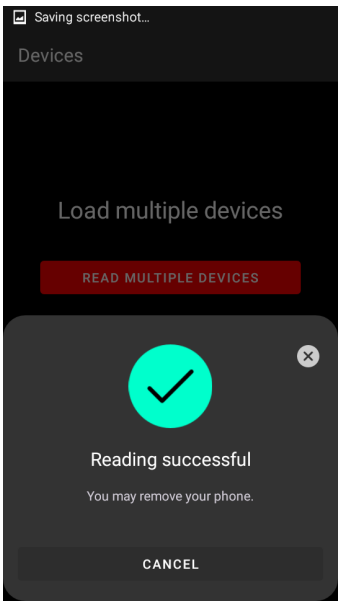


If NFC connection is OK, the following screens will appear.

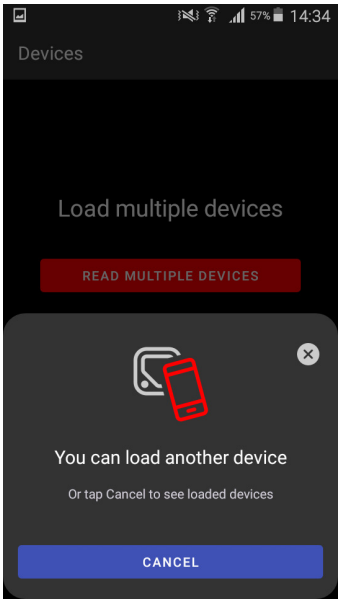
.



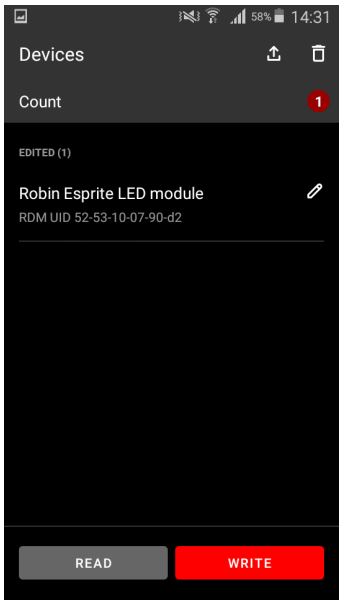



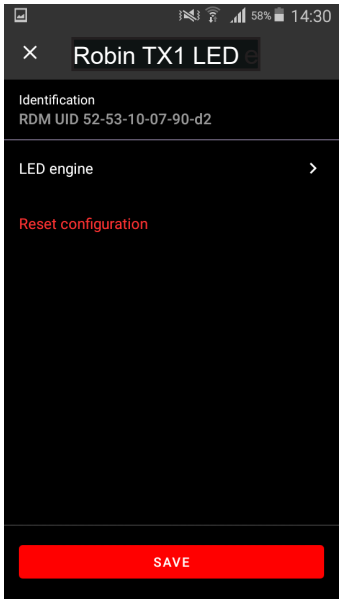



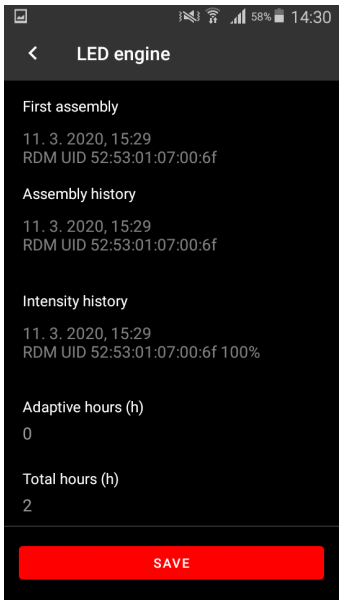

When the following screen will appear, touch the button CANCEL.




Touch the found LED module ("Robin Cuete LED module") and than touch "LED engine" to read information about found LED module.



**Robin TX1 PosiProfile® - DMX protocol**

Version: 1.8 Mode 1=CMY/RGB, Mode =Reduced CMY/RGB, Mode 3=Five colours (R,G,B,A,Lime Green)

Mode 4= Mode 1+ Gobo module, Mode 5=Mode 2+Gobo module, Mode 6=Mode 3+Gobo module

**Quick overview of default DMX values for each channel**

| Mode/channel | | | | | | Default DMX Value | Function |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 128 | Pan |
| 2 | 2 | 2 | 2 | 2 | 2 | 0 | Pan Fine |
| 3 | 3 | 3 | 3 | 3 | 3 | 128 | Tilt |
| 4 | 4 | 4 | 4 | 4 | 4 | 0 | Tilt fine |
| 5 | 5 | 5 | 5 | 5 | 5 | 0 | Pan/Tilt speed , Pan/Tilt time |
| 6 | 6 | 6 | 6 | 6 | 6 | 0 | Power/Special functions |
| 7 | * | 7 | 7 | * | 7 | 10 | LED frequency selection |
| 8 | * | 8 | 8 | * | 8 | 128 | LED frequency fine adjusting |
| 9 | 7 | 9 | 9 | 7 | 9 | 0 | Colour functions |
| 10 | 8 | 10 | 10 | 8 | 10 | 0 | CRI selection |
| 11 | * | 11 | 11 | * | 11 | 0 | Virtual colour wheel |
| 12 | 9 | * | 12 | 9 | * | 0/255 | Cyan/Red (8 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 13 | * | * | 13 | * | * | 0/255 | Cyan/Red (16 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 14 | 10 | * | 14 | 10 | * | 0/255 | Magenta/Green (8 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 15 | * | * | 15 | * | * | 0/255 | Magenta/Green (16 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 16 | 11 | * | 16 | 11 | * | 0/255 | Yellow/Blue (8 bit) (0=default for CMY mode, 255=default for RGB mode) |
| 17 | * | * | 17 | * | * | 0/255 | Yellow/Blue (16 bit) (0=default for CMY mode, 255=default for RGB mode) |
| * | * | 12 | * | * | 12 | 255 | Red (8 bit) |
| * | * | 13 | * | * | 13 | 255 | Red (16bit) |
| * | * | 14 | * | * | 14 | 255 | Green (8 bit) |
| * | * | 15 | * | * | 15 | 255 | Green (16bit) |
| * | * | 16 | * | * | 16 | 255 | Blue (8 bit) |
| * | * | 17 | * | * | 17 | 255 | Blue (16bit) |
| * | * | 18 | * | * | 18 | 255 | Amber (8 bit) |
| * | * | 19 | * | * | 19 | 255 | Amber (16bit) |
| * | * | 20 | * | * | 20 | 255 | Lime (8 bit) |
| * | * | 21 | * | * | 21 | 255 | Lime (16bit) |
| 18 | 12 | 22 | 18 | 12 | 22 | 110 | CTO |
| 19 | * | 23 | 19 | * | 23 | 128 | Green correction |
| 20 | * | 24 | 20 | * | 24 | 0 | Colour mix control |
| 21 | * | 25 | 21 | * | 25 | 0 | Stat. gobo/Rot. Gobo carousel/Framing shutters/Zoom/Focus/Frost time |
| * | * | * | 22 | 13 | 26 | 0 | Effect wheel positioning |
| * | * | * | 23 | 14 | 27 | 128 | Effect wheel rotation |
| * | * | * | 24 | * | 28 | 0 | Effect wheel animations |
| * | * | * | 25 | 15 | 29 | 0 | Static gobo wheel |
| * | * | * | 26 | 16 | 30 | 0 | Rotating gobo wheel |
| * | * | * | 27 | 17 | 31 | 0 | Rot. Gobo wheel -fine positioning |
| * | * | * | 28 | 18 | 32 | 128 | Rot. gobo indexing and rotation |
| * | * | * | 29 | * | 33 | 0 | Rot. gobo indexing/rotation - fine |
| 22 | 13 | 26 | 30 | 19 | 34 | 0 | Frost |
| 23 | 14 | 27 | 31 | 20 | 35 | 0 | Iris |
| 24 | * | 28 | 32 | * | 36 | 0 | Iris - fine |
| 25 | 15 | 29 | 33 | 21 | 37 | 128 | Zoom |

| Mode/channel | | | | | | Default DMX Value | Function |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | | |
| 26 | * | 30 | 34 | * | 38 | 0 | Zoom - fine |
| 27 | 16 | 31 | 35 | 22 | 39 | 128 | Focus |
| 28 | * | 32 | 36 | * | 40 | 0 | Focus - fine |
| 29 | 17 | 33 | 37 | 23 | 41 | 128 | Framing shutters module rotation |
| 30 | 18 | 34 | 38 | 24 | 42 | 0 | Framing shutter 1- movement |
| 31 | 19 | 35 | 39 | 25 | 43 | 128 | Framing shutter 1- swivelling |
| 32 | 20 | 36 | 40 | 26 | 44 | 0 | Framing shutter 2- movement |
| 33 | 21 | 37 | 41 | 27 | 45 | 128 | Framing shutter 2- swivelling |
| 34 | 22 | 38 | 42 | 28 | 46 | 0 | Framing shutter 3 movement |
| 35 | 23 | 39 | 43 | 29 | 47 | 128 | Framing shutter 3- swivelling |
| 36 | 24 | 40 | 44 | 30 | 48 | 0 | Framing shutter 4 movement |
| 37 | 25 | 41 | 45 | 31 | 49 | 128 | Framing shutter 4- swivelling |
| 38 | 26 | 42 | 46 | 32 | 50 | 32 | Shutter/ strobe |
| 39 | 27 | 43 | 47 | 33 | 51 | 0 | Dimmer intensity |
| 40 | * | 44 | 48 | * | 52 | 0 | Dimmer intensity - fine |

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | | | |
| **1** | **1** | **1** | **1** | **1** | **1** | | **Pan** | |
| | | | | | | 0 - 255 | Pan movement by 540° (128=default) | proportional |
| **2** | **2** | **2** | **2** | **2** | **2** | | **Pan Fine** | |
| | | | | | | 0 - 255 | Fine control of pan movement (0=default) | proportional |
| **3** | **3** | **3** | **3** | **3** | **3** | | **Tilt** | |
| | | | | | | 0 - 255 | Tilt movement by 270° (128=default) | proportional |
| **4** | **4** | **4** | **4** | **4** | **4** | | **Tilt fine** | |
| | | | | | | 0 - 255 | Fine control of tilt movement (0=default) | proportional |
| **5** | **5** | **5** | **5** | **5** | **5** | | **Pan/Tilt speed , Pan/Tilt time** | |
| | | | | | | 0 | Standard mode (0=default) | step |
| | | | | | | 1 | Max. Speed Mode | step |
| | | | | | | | ***Pan/Tilt speed mode*** | |
| | | | | | | 2 - 255 | Speed from max. to min. | proportional |
| | | | | | | | ***Pan/Tilt time mode*** | |
| | | | | | | 2 - 255 | Time from 0.2 sec. to 25.5 sec. | proportional |
| **6** | **6** | **6** | **6** | **6** | **6** | | **Power/Special functions** | |
| | | | | | | | Factory display menu setting: DMX Input-Wired ,Graphic display-On, Pan/tilt Mode-Speed,Blackout while pan/tilt moving-Off, Blackout while gobo wheel moving-Off, Fans mode-Auto, Dimmer Curve- Square law | |
| | | | | | | 0 -9 | Reserved (0=default) | |
| | | | | | | | *To activate following functions, stop in DMX value for at least 3 s and shutter must be closed at least 3 sec. („Shutter,Strobe" channel 38/26/42/46/32/50 must be at range: 0-31 DMX). Corresponding menu items are temporarily overriden.* | |
| | | | | | | 10-14 | DMX input: Wired DMX * | step |
| | | | | | | 15-19 | DMX input: Wireless DMX * | step |
| | | | | | | | * function is active only 10 seconds after switching the fixture on | |
| | | | | | | 20-24 | Graphic display: On | step |
| | | | | | | 25-29 | Graphic display: Off | step |

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | | | |
| | | | | | | 30-34 | Focus Tracking: On | step |
| | | | | | | 35-39 | Focus Tracking: Off | step |
| | | | | | | 40-44 | Pan/Tilt mode: Speed | step |
| | | | | | | 45-49 | Pan/Tilt mode: Time | step |
| | | | | | | 50-54 | Blackout while pan/tilt moving: On | step |
| | | | | | | 55-59 | Blackout while pan/tilt moving: Off | step |
| | | | | | | 60-64 | Blackout while gobo wheel moving: On | step |
| | | | | | | 65-69 | Blackout while gobo wheel moving: Off | step |
| | | | | | | 70-74 | Fans mode: Auto | step |
| | | | | | | 75-79 | Fans mode: High | step |
| | | | | | | 80-84 | Quiet mode: Fans On at blackout | step |
| | | | | | | 85-89 | Quiet mode: Fans Off at blackout | step |
| | | | | | | 90-115 | Reserved | |
| | | | | | | 116-117 | Theatre mode On | step |
| | | | | | | 118-119 | Theatre mode Off | step |
| | | | | | | 120-124 | Parking position On | step |
| | | | | | | 125-129 | Parking position Off | step |
| | | | | | | | *To activate following functions, stop in DMX value for at least 3 seconds. Brake options (130-137 DMX) and Cue options (138-143 DMX) are permanently saved to fixture memory and corresponding menu items are overriden* | |
| | | | | | | 130-131 | Optics brake On | step |
| | | | | | | 132-133 | Optics brake Off | step |
| | | | | | | 134-135 | Pan/Tilt brake On | step |
| | | | | | | 136-137 | Pan/Tilt brake Off | step |
| | | | | | | 138-139 | Cue Playback - saving current DMX values | step |
| | | | | | | 140-141 | Preset Cue playback On - fixture playes the Cue automaticaly after every switching On | step |
| | | | | | | 142-143 | Preset Cue playback Off - fixture listens to DMX, but only this channel and DMX values 142-143 | step |
| | | | | | | 144-145 | Optics + Pan/Tilt brakes On | step |
| | | | | | | 146-147 | Optics + Pan/Tilt brakes Off | step |
| | | | | | | 148-164 | Reserved | |
| | | | | | | 165 - 169 | Fixture reset (without pan/tilt) | step |
| | | | | | | 170 - 174 | Pan/Tilt reset | step |
| | | | | | | 175 - 179 | Gobo wheels/effect wheel reset | step |
| | | | | | | 180 - 189 | Zoom/focus/frost reset | step |
| | | | | | | 190 - 199 | Iris/framing shutters reset | step |
| | | | | | | 200 - 209 | Total fixture reset (with pan/tilt) | step |
| | | | | | | 210 - 218 | Reserved | |
| | | | | | | | The following three commands define transition from gobo rotation to gobo indexing: | |
| | | | | | | 219 - 220 | Gobo indexing: Maximum speed and shortcut | step |
| | | | | | | 221 - 222 | Gobo indexing: Follow speed and direction | step |
| | | | | | | 223 - 224 | Gobo indexing: Maximum speed and follow direction | step |
| | | | | | | | The following RoboSpot related commands are only applicable when the RoboSpot is connected: | |
| | | | | | | 225 - 229 | RoboSpot enabled | step |

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | | | |
| | | | | | | 230 - 234 | RoboSpot disabled - except handle faders and pan/tilt | step |
| | | | | | | 235 - 239 | RoboSpot fully disabled | step |
| | | | | | | 240 | Disabled "Quiet mode" | step |
| | | | | | | 241 - 255 | Quiet mode - fan noise control from min. to max. | proportional |
| **7** | * | **7** | **7** | * | **7** | | **LED frequency selection** | |
| | | | | | | | Factory display menu setting: 600Hz | |
| | | | | | | | *Select PWM output frequency of LEDs. Selected PWM frequency can be fine adjusted in 127 steps up/down around selected PWM frequency on the channel below. Corresponding menu item (Frequency Setup) is temporarily overriden.* | |
| | | | | | | 0-4 | PWM frequency from Display menu (fixture utilizes PWM frequency set in the display menu item Frequency Setup). | step |
| | | | | | | 5-9 | 300 Hz | step |
| | | | | | | 10-14 | 600 Hz (10=default) | step |
| | | | | | | 15-19 | 1200 Hz | step |
| | | | | | | 20-24 | 2400 Hz | step |
| | | | | | | 25-29 | High | step |
| | | | | | | 30-255 | Reserved (fixture utilizes PWM frequency set in the display menu item Frequency Setup). | |
| **8** | * | **8** | **8** | * | **8** | | **LED frequency fine adjusting** | |
| | | | | | | | Factory display menu setting: 600Hz | |
| | | | | | | | *Select desired PWM output frequency of LEDs on the channel above.* | |
| | | | | | | 0-1 | Selected LED Frequency | step |
| | | | | | | 2 | LED Frequency (step -126) | step |
| | | | | | | 3 | LED Frequency (step -125) | step |
| | | | | | | 4 | LED Frequency (step -124) | step |
| | | | | | | : | | |
| | | | | | | 125 | LED Frequency (step -3) | step |
| | | | | | | 126 | LED Frequency (step -2) | step |
| | | | | | | 127 | LED Frequency (step -1) | step |
| | | | | | | 128 | Selected LED Frequency (128=default) | step |
| | | | | | | 129 | LED Frequency (step +1) | step |
| | | | | | | 130 | LED Frequency (step +2) | step |
| | | | | | | 131 | LED Frequency (step +3) | step |
| | | | | | | : | | |
| | | | | | | 252 | LED Frequency (step +124) | step |
| | | | | | | 253 | LED Frequency (step +125) | step |
| | | | | | | 254 | LED Frequency (step +126) | step |
| | | | | | | 255 | Selected LED Frequency | step |
| **9** | **7** | **9** | **9** | **7** | **9** | | **Colour functions** | |
| | | | | | | | Factory display menu setting: Colour mixing mode-CMY, Dimmer Curve-Square Law, Tungsten effect simulation-Off, Chromatic white-Off, Light output stability-Off, Uniformity-Off | |
| | | | | | | 0 | No function (0=default) | step |
| | | | | | | | *To activate following functions, stop in DMX value for at least 3 seconds. Corresponding menu items are temporarily overriden* | |
| | | | | | | 1-39 | Reserved | |
| | | | | | | 40-44 | Colour mixing mode: CMY (DMX Mode 1 , 2, 4, 5 only) | step |
| | | | | | | 45-49 | Colour mixing mode: RGB (DMX mode 1, 2, 4, 5), RGBAL (DMX mode 3, 6) | step |
| | | | | | | 50-54 | Dimmer curve: Square law | step |

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | | | |
| | | | | | | 55-59 | Dimmer curve: Linear | step |
| | | | | | | 60-64 | Dimmer curve: Super square law | step |
| | | | | | | 65-79 | Raw DMX | proportional |
| | | | | | | | *Tungsten effect simulation for whites 2700K-4200K only:* | |
| | | | | | | 80-84 | Tungsten effect simulation (750W/80V): On | step |
| | | | | | | 85-89 | Tungsten effect simulation (1000W/240V): On | step |
| | | | | | | 90-94 | Tungsten effect simulation (1200W/240V): On | step |
| | | | | | | 95-99 | Tungsten effect simulation (2000W/230V): On | step |
| | | | | | | 100-104 | Tungsten effect simulation (2500W/230V): On | step |
| | | | | | | 105-109 | Tungsten effect simulation: Off | step |
| | | | | | | 110-114 | Save user colour (see user manual, chapter Colour influencing functions) | step |
| | | | | | | 115-119 | Chromatic white: On | step |
| | | | | | | 120-124 | Chromatic white: Off | step |
| | | | | | | 125-129 | Light output stability On | step |
| | | | | | | 130-134 | Light output stability Off | step |
| | | | | | | 135-139 | Uniformity On | step |
| | | | | | | 140-144 | Uniformity Off | step |
| | | | | | | 145-255 | Reserved | |
| **10** | **8** | **10** | **10** | **8** | **10** | | **CRI selection** | |
| | | | | | | 0-255 | CRI selection from Standard (85) to High (90+) (0=default) | proportional |
| **11** | ***** | **11** | **11** | ***** | **11** | | **Virtual colour wheel** | |
| | | | | | | 0 | No function (0=default) | step |
| | | | | | | 1-2 | Filter 4 (Medium Bastard Amber) | step |
| | | | | | | 3-4 | Filter 10 (Medium Yellow) | step |
| | | | | | | 5-6 | Filter 19 (Fire) | step |
| | | | | | | 7-8 | Filter 26 (Bright Red) | step |
| | | | | | | 9-10 | Filter 58 (Lavender) | step |
| | | | | | | 11-12 | Filter 68 (Sky Blue) | step |
| | | | | | | 13-14 | Filter 71 (Tokyo Blue) | step |
| | | | | | | 15-16 | Filter 79 (Just Blue) | step |
| | | | | | | 17-18 | Filter 88 (Lime Green) | step |
| | | | | | | 19-20 | Filter 90 (Dark Yellow Green) | step |
| | | | | | | 21-22 | Filter 100 (Spring Yellow) | step |
| | | | | | | 23-24 | Filter 101 (Yellow) | step |
| | | | | | | 25-26 | Filter 102 (Light Amber) | step |
| | | | | | | 27-28 | Filter 103 (Straw) | step |
| | | | | | | 29-30 | Filter 104 (Deep Amber) | step |
| | | | | | | 31-32 | Filter 105 (Orange) | step |
| | | | | | | 33-34 | Filter 106 (Primary Red) | step |
| | | | | | | 35-36 | Filter 111 (Dark Pink) | step |
| | | | | | | 37-38 | Filter 115 (Peacock Blue) | step |
| | | | | | | 39-40 | Filter 116 (Medium Blue-Green) | step |
| | | | | | | 41-42 | Filter 117 (Steel Blue) | step |
| | | | | | | 43-44 | Filter 118 (Light Blue) | step |
| | | | | | | 45-46 | Filter 119 (Dark Blue) | step |
| | | | | | | 47-48 | Filter 120 (Deep Blue) | step |
| | | | | | | 49-50 | Filter 121 (Filter Green) | step |
| | | | | | | 51-52 | Filter 128 (Bright Pink) | step |

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | | | |
| | | | | | | 53-54 | Filter 131 (Marine Blue) | step |
| | | | | | | 55-56 | Filter 132 (Medium Blue) | step |
| | | | | | | 57-58 | Filter 134 (Golden Amber) | step |
| | | | | | | 59-60 | Filter 135 (Deep Golden Amber) | step |
| | | | | | | 61-62 | Filter 136 (Pale Lavender) | step |
| | | | | | | 63-64 | Filter 137 (Special Lavender) | step |
| | | | | | | 65-66 | Filter 138 (Pale Green) | step |
| | | | | | | 67-68 | Filter 139 (Primary Green) | step |
| | | | | | | 69-70 | Filter 141 (Bright Blue) | step |
| | | | | | | 71-72 | Filter 147 (Apricot) | step |
| | | | | | | 73-74 | Filter 148 (Bright Rose) | step |
| | | | | | | 75-76 | Filter 152 (Pale Gold) | step |
| | | | | | | 77-78 | Filter 154 (Pale Rose) | step |
| | | | | | | 79-80 | Filter 157 (Pink) | step |
| | | | | | | 81-82 | Filter 158 (Deep Orange) | step |
| | | | | | | 83-84 | Filter 162 (Bastard Amber) | step |
| | | | | | | 85-86 | Filter 164 (Flame Red) | step |
| | | | | | | 87-88 | Filter 165 (Daylight Blue) | step |
| | | | | | | 89-90 | Filter 169 (Lilac Tint) | step |
| | | | | | | 91-92 | Filter 170 (Deep Lavender) | step |
| | | | | | | 93-94 | Filter 172 (Lagoon Blue) | step |
| | | | | | | 95-96 | Filter 179 (Chrome Orange) | step |
| | | | | | | 97-98 | Filter 180 (Dark Lavender) | step |
| | | | | | | 99-100 | Filter 181 (Congo Blue) | step |
| | | | | | | 101-102 | Filter 197 (Alice Blue) | step |
| | | | | | | 103-104 | Filter 201 (Full C.T. Blue) | step |
| | | | | | | 105-106 | Filter 202 (Half C.T. Blue) | step |
| | | | | | | 107-108 | Filter 203 (Quarter C.T. Blue) | step |
| | | | | | | 109-110 | Filter 204 (Full C.T. Orange) | step |
| | | | | | | 111-112 | Filter 205 (Half C.T. Orange) | step |
| | | | | | | 113-114 | Filter 206 (Quarter C.T. Orange) | step |
| | | | | | | 115-116 | Filter 247 (Filter Minus Green) | step |
| | | | | | | 117-118 | Filter 248 (Half Minus Green) | step |
| | | | | | | 119-120 | Filter 281 (Three Quarter C.T. Blue) | step |
| | | | | | | 121-122 | Filter 285 (Three Quarter C.T. Orange) | step |
| | | | | | | 123-124 | Filter 352 (Glacier Blue) | step |
| | | | | | | 125-126 | Filter 353 (Lighter Blue) | step |
| | | | | | | 127-128 | Filter 715 (Cabana Blue) | step |
| | | | | | | 129-130 | Filter 778 (Millennium Gold) | step |
| | | | | | | 131-132 | Filter 793 (Vanity Fair) | step |
| | | | | | | 133-215 | Reserved | |
| | | | | | | 216-217 | User colour 1 | step |
| | | | | | | 218-219 | User colour 2 | step |
| | | | | | | 220-221 | User colour 3 | step |
| | | | | | | 222-223 | User colour 4 | step |
| | | | | | | 224-225 | User colour 5 | step |
| | | | | | | 226-227 | User colour 6 | step |
| | | | | | | 228-229 | User colour 7 | step |

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | | | |
| | | | | | | 230-231 | User colour 8 | step |
| | | | | | | 232-233 | User colour 9 | step |
| | | | | | | 234-235 | User colour 10 | step |
| | | | | | | 236-245 | Rainbow effect (with fade time) from slow-> fast | proportional |
| | | | | | | 246-255 | Rainbow effect (without fade time) from slow-> fast | proportional |
| **12** | **9** | * | **12** | **9** | * | | **Cyan/Red (8 bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **13** | * | * | **13** | * | * | | **Cyan/Red (16 bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - fine (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **14** | **10** | * | **14** | **10** | * | | **Magenta/Green (8 bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **15** | * | * | **15** | * | * | | **Magenta/Green (16 bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - fine (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **16** | **11** | * | **16** | **11** | * | | **Yellow/Blue (8 bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (0=default for CMY mode, 255=default for RGB mode) | proportional |
| **17** | * | * | **17** | * | * | | **Yellow/Blue (16 bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - fine (0=default for CMY mode, 255=default for RGB mode) | proportional |
| * | * | **12** | * | * | **12** | | **Red (8 bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | * | **13** | * | * | **13** | | **Red (16bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | * | **14** | * | * | **14** | | **Green (8 bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | * | **15** | * | * | **15** | | **Green (16bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | * | **16** | * | * | **16** | | **Blue (8 bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | * | **17** | * | * | **17** | | **Blue (16bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | * | **18** | * | * | **18** | | **Amber (8 bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | * | **19** | * | * | **19** | | **Amber (16bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - fine (255=default) | proportional |
| * | * | **20** | * | * | **20** | | **Lime (8 bit)** | |
| | | | | | | 0 - 255 | Colour saturation control - coarse 0-100% (255=default) | proportional |
| * | * | **21** | * | * | **21** | | **Lime (16bit)** | |
| | | | | | | 0 - 255 | colour saturation control - fine (255=default) | proportional |
| **18** | **12** | **22** | **18** | **12** | **22** | | **CTO** | |
| | | | | | | 0-1 | 8000 K | step |
| | | | | | | 2-64 | Colour temperature changing 7978 K ->6622 K (22 K /1 DMX) | proportional |
| | | | | | | 65 | 6600 K | step |
| | | | | | | 66-109 | Colour temperature changing 657 8K ->5622 K (22 K/1 DMX) | proportional |
| | | | | | | 110 | 5600 K (110=default) | step |

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | | | |
| | | | | | | 111-179 | Colour temperature changing 5580 K ->4220 K (20 K/1 DMX) | proportional |
| | | | | | | 180 | 4200 K | step |
| | | | | | | 181-229 | Colour temperature changing 4180 K ->3220 K (20 K/1 DMX) | proportional |
| | | | | | | 230 | 3200 K | step |
| | | | | | | 231-254 | Colour temperature changing 3180 K ->2720 K (20K /1 DMX) | proportional |
| | | | | | | 255 | 2700K | step |
| **19** | * | **23** | **19** | * | **23** | | **Green correction** | |
| | | | | | | 0 | Uncorrected white | step |
| | | | | | | 1-127 | Minus green --> uncorrected white | proportional |
| | | | | | | 128 | Uncorrected white (128=default) | step |
| | | | | | | 129-255 | Uncorrected white --> Plus green | proportional |
| **20** | * | **24** | **20** | * | **24** | | **Colour mix control** | |
| | | | | | | | *Defines relation between Virtual Colour wheel and colour channels* | |
| | | | | | | | "Virtual" = Virtual Colour Wheel | |
| | | | | | | | "Colour mix" = Colour channels (CMY/RGBALight Green/CTO) | |
| | | | | | | 0-9 | "Virtual " has priority over "Colour mix" (0=default) | |
| | | | | | | 10-19 | Maximum mode (highest values have priority) | step |
| | | | | | | 20-29 | Minimum mode (lowest values have priority) | step |
| | | | | | | 30-39 | Multiply mode (multiply "Virtual" and "Colour mix") | step |
| | | | | | | 40-49 | Addition mode ("Virtual" + "Colour mix") | step |
| | | | | | | 50-59 | Subtraction mode ("Virtual" – "Colour mix") | step |
| | | | | | | 60-69 | Inverted Subtraction mode ("Colour mix"-"Virtual") | step |
| | | | | | | 70-79 | White Point Off (CTO+Green Cor.+Virtual Colour Wheel deactivated) | step |
| | | | | | | 80-128 | Reserved | |
| | | | | | | 129 | Crossfade "Virtual" only | step |
| | | | | | | 130-254 | Crossfade between "Virtual" and "Colour mix" | proportional |
| | | | | | | 255 | Crossfade "Colour mix" only | step |
| **21** | * | **25** | **21** | * | **25** | | **Stat. gobo/Rot. Gobo carousel/Framing shutters/Zoom/Focus/Frost time** | |
| | | | | | | 0 | Function is off (0=default) | step |
| | | | | | | 1-255 | Time of stat. Gobo and rot. Gobo carousel movement (0.1 sec-->25.5 sec.) | proportional |
| | | | | | | 1 - 255 | Time of framing shutters, zoom, focus and frost movement (0.1 sec-->25.5 sec.) | proportional |
| * | * | * | **22** | **13** | **26** | | **Effect wheel positioning** | |
| | | | | | | 0-19 | No function (0=default) | step |
| | | | | | | 20-127 | Proportional indexing (73-center) | proportional |
| | | | | | | 128-170 | Ramping from open to full position ( max--->min. speed) | proportional |
| | | | | | | 171-213 | Ramping from open to half position ( max. --->min. speed) | proportional |
| | | | | | | 214-255 | Ramp. from half position to full position ( max. --->min. speed) | proportional |
| * | * | * | **23** | **14** | **27** | | **Effect wheel rotation** | |
| | | | | | | 0 | No rotation | step |
| | | | | | | 1 - 127 | Forwards rotation from fast to slow | proportional |
| | | | | | | 128 | No rotation (128=default) | step |
| | | | | | | 129 - 255 | Backwards rotation from slow to fast | proportional |
| * | * | * | **24** | * | **28** | | **Effect wheel animations** | |
| | | | | | | 0-7 | No animation (0=default) | |

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | | | |
| | | | | | | | ***Note :*** *Set suitable DMX value at* ***Focus*** *channel to get desired animation. All animations were created at distance of 5 m from screen with zoom=88 DMX, Focus value is different for each effect (focus value is stated in parentheses for this distance)* | |
| | | | | | | | *The following channels are blocked: Effect wheel positioning, Effect wheel rotation, Rotating gobo wheel, Rot. Gobo indexing and rotation.* | |
| | | | | | | 8-9 | Macro 1 (Focus=170) | step |
| | | | | | | 10-11 | Macro 2 (Focus=160) | step |
| | | | | | | 12-13 | Macro 3 (Focus=172) | step |
| | | | | | | 14-15 | Macro 4 (Focus=172) | step |
| | | | | | | 16-17 | Macro 5 (Focus=174) | step |
| | | | | | | 18-19 | Macro 6 (Focus=173) | step |
| | | | | | | 20-21 | Macro 7 (Focus=181) | step |
| | | | | | | 22-23 | Macro 8 (Focus=174) | step |
| | | | | | | 24-25 | Macro 9 (Focus=174) | step |
| | | | | | | 26-27 | Macro 10 (Focus=180) | step |
| | | | | | | 28-255 | Reserved | |
| * | * | * | **25** | **15** | **29** | | **Static gobo wheel** | |
| | | | | | | 0-8 | Open/hole (0=default) | step |
| | | | | | | 9-17 | Gobo 1 | step |
| | | | | | | 18-26 | Gobo 2 | step |
| | | | | | | 27-35 | Gobo 3 | step |
| | | | | | | 36-44 | Gobo 4 | step |
| | | | | | | 45-53 | Gobo 5 | step |
| | | | | | | 54-62 | Gobo 6 | step |
| | | | | | | 63-71 | Gobo 7 | step |
| | | | | | | 72-80 | Gobo 8 | step |
| | | | | | | 81-91 | Gobo 9 | step |
| | | | | | | | ***Shaking gobos from slow to fast*** | |
| | | | | | | 92-103 | Gobo 1 | proportional |
| | | | | | | 104-115 | Gobo 2 | proportional |
| | | | | | | 116-127 | Gobo 3 | proportional |
| | | | | | | 128-139 | Gobo 4 | proportional |
| | | | | | | 140-151 | Gobo 5 | proportional |
| | | | | | | 152-163 | Gobo 6 | proportional |
| | | | | | | 164-175 | Gobo 7 | proportional |
| | | | | | | 176-187 | Gobo 8 | proportional |
| | | | | | | 188-199 | Gobo 9 | proportional |
| | | | | | | 200 - 201 | Open/hole | step |
| | | | | | | 202 - 222 | Forwards gobo wheel rotation from fast to slow | proportional |
| | | | | | | 223 - 243 | Backwards gobo wheel rotation from slow to fast | proportional |
| | | | | | | 244 - 249 | Random gobo selection by audio control | step |
| | | | | | | | *(Set microphone sensitivity in menu „Personality")* | |
| | | | | | | 250 - 255 | Auto random gobo selection from fast to slow | proportional |
| * | * | * | **26** | **16** | **30** | | **Rotating gobo wheel** | |
| | | | | | | | *Index - set indexing on channel 28/18/32* | |
| | | | | | | 0-3 | Open/hole (0=default) | step |
| | | | | | | 4-7 | Gobo 1 | step |

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | | | |
| | | | | | | 8-11 | Gobo 2 | step |
| | | | | | | 12-15 | Gobo 3 | step |
| | | | | | | 16-19 | Gobo 4 | step |
| | | | | | | 20-23 | Gobo 5 | step |
| | | | | | | 24-27 | Gobo 6 | step |
| | | | | | | 28-31 | Gobo 7 | step |
| | | | | | | | *Rotation - set rotation on channel 28/18/32* | |
| | | | | | | 32-35 | Gobo 1 | step |
| | | | | | | 36-39 | Gobo 2 | step |
| | | | | | | 40-43 | Gobo 3 | step |
| | | | | | | 44-47 | Gobo 4 | step |
| | | | | | | 48-51 | Gobo 5 | step |
| | | | | | | 52-55 | Gobo 6 | step |
| | | | | | | 56-59 | Gobo 7 | step |
| | | | | | | | ***Continual positioning*** | |
| | | | | | | | *Index - set indexing on channel 28/18/32* | |
| | | | | | | 60 | Open/hole | proportional |
| | | | | | | 68 | Gobo 1 | proportional |
| | | | | | | 76 | Gobo 2 | proportional |
| | | | | | | 84 | Gobo 3 | proportional |
| | | | | | | 92 | Gobo 4 | proportional |
| | | | | | | 100 | Gobo 5 | proportional |
| | | | | | | 108 | Gobo 6 | proportional |
| | | | | | | 116 | Gobo 7 | proportional |
| | | | | | | 124 | Open/hole | proportional |
| | | | | | | | ***Continual positioning*** | |
| | | | | | | | *Rotation - set rotation on channel 28/18/32* | |
| | | | | | | 125 | Open/hole | proportional |
| | | | | | | 133 | Gobo 1 | proportional |
| | | | | | | 141 | Gobo 2 | proportional |
| | | | | | | 149 | Gobo 3 | proportional |
| | | | | | | 157 | Gobo 4 | proportional |
| | | | | | | 165 | Gobo 5 | proportional |
| | | | | | | 173 | Gobo 6 | proportional |
| | | | | | | 181 | Gobo 7 | proportional |
| | | | | | | 189 | Open/hole | proportional |
| | | | | | | 190-201 | Open/hole | step |
| | | | | | | 202 - 222 | Forwards gobo wheel rotation from fast to slow | proportional |
| | | | | | | 223 - 243 | Backwards gobo wheel rotation from slow to fast | proportional |
| | | | | | | 244 - 249 | Random gobo selection by audio control | step |
| | | | | | | | (Set microphone sensitivity in menu „Personality”) | |
| | | | | | | 250 - 255 | Auto random gobo selection from fast to slow | proportional |
| * | * | * | **27** | **17** | **31** | | **Rotating gobo wheel - fine positioning** | |
| | | | | | | 0 - 255 | Fine positioning (0=default) | proportional |
| * | * | * | **28** | **18** | **32** | | **Rot. gobo indexing and rotation** | |
| | | | | | | | *Gobo indexing - set position on channel 26/16/30* | |
| | | | | | | 0 - 255 | Gobo indexing | proportional |
| | | | | | | | *Gobo rotation - set position on channel 26/16/30* | |

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | | | |
| | | | | | | 0 | No rotation | step |
| | | | | | | 1 - 127 | Forwards gobo rotation from fast to slow | proportional |
| | | | | | | 128 | No rotation (128=default) | step |
| | | | | | | 129 - 255 | Backwards gobo rotation from slow to fast | proportional |
| * | * | * | 29 | * | 33 | | **Rot. gobo indexing/rotation - fine** | |
| | | | | | | 0-255 | Fine indexing/rotation (0=default) | proportional |
| 22 | 13 | 26 | 30 | 19 | 34 | | **Frost** | |
| | | | | | | 0 | Open (0=default) | step |
| | | | | | | | ***Light Frost*** | |
| | | | | | | 1-50 | Light Frost from 0% to 100% | proportional |
| | | | | | | 51-53 | 100% Light Frost | step |
| | | | | | | 54-63 | Pulse closing from slow to fast | proportional |
| | | | | | | 64-73 | Pulse opening from fast to slow | proportional |
| | | | | | | 74-83 | Ramping from fast to slow | proportional |
| | | | | | | 84-86 | Open | step |
| | | | | | | | ***Medium Frost*** | |
| | | | | | | 87-136 | Medium Frost from 0% to 100% | proportional |
| | | | | | | 137-139 | 100% Medium Frost | step |
| | | | | | | 140-149 | Pulse closing from slow to fast | proportional |
| | | | | | | 150-159 | Pulse opening from fast to slow | proportional |
| | | | | | | 160-169 | Ramping from fast to slow | proportional |
| | | | | | | 170-172 | Open | step |
| | | | | | | | ***Combined Frost*** | |
| | | | | | | 173-222 | Medium Frost from 0% to 100% (Light Frost inserted) | proportional |
| | | | | | | 223-225 | 100% Medium Frost (Light Frost inserted) | step |
| | | | | | | 226-235 | Pulse closing from slow to fast | proportional |
| | | | | | | 236-245 | Pulse opening from fast to slow | proportional |
| | | | | | | 246-255 | Ramping from fast to slow | proportional |
| 23 | 14 | 27 | 31 | 20 | 35 | | **Iris** | |
| | | | | | | 0 | Open (0=default) | step |
| | | | | | | 1 - 179 | From max.diameter to min.diameter | proportional |
| | | | | | | 180 - 191 | Closed | step |
| | | | | | | | ***Pulse effects with Iris blackout*** | |
| | | | | | | 192 -219 | Pulse opening from slow to fast | proportional |
| | | | | | | 220 - 247 | Pulse closing from fast to slow | proportional |
| | | | | | | 248 - 249 | Random pulse opening (fast) | step |
| | | | | | | 250 - 251 | Random pulse opening (slow) | step |
| | | | | | | 252 - 253 | Random pulse closing (fast) | step |
| | | | | | | 254 - 255 | Random pulse closing (slow) | step |
| 24 | * | 28 | 32 | * | 36 | | **Iris - fine** | |
| | | | | | | 0 - 255 | Fine iris movement (0=default) | proportional |
| 25 | 15 | 29 | 33 | 21 | 37 | | **Zoom** | |
| | | | | | | 0 - 255 | Zoom from max. to min.beam angle (128=default) | proportional |
| 26 | * | 30 | 34 | * | 38 | | **Zoom - fine** | |
| | | | | | | 0-255 | Fine zooming (0=default) | proportional |
| 27 | 16 | 31 | 35 | 22 | 39 | | **Focus** | |
| | | | | | | 0 - 255 | Continuous adjustment from far to near (128=default) | proportional |
| 28 | * | 32 | 36 | * | 40 | | **Focus - fine** | |

| Mode/channel | | | | | | DMX Value | Function | Type of control |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | | | |
| | | | | | | 0- 255 | Fine focusing (0=default) | proportional |
| **29** | **17** | **33** | **37** | **23** | **41** | | **Framing shutters module rotation** | |
| | | | | | | 0-127 | Rotation from right (0°) to 60° | proportional |
| | | | | | | 128 | Center (128=default) | step |
| | | | | | | 129-255 | Rotation from 60° to left (120°) | proportional |
| **30** | **18** | **34** | **38** | **24** | **42** | | **Framing shutter 1- movement** | |
| | | | | | | 0-255 | Movement from Outward to Inward (0=default) | proportional |
| **31** | **19** | **35** | **39** | **25** | **43** | | **Framing shutter 1- swivelling** | |
| | | | | | | 0-127 | Swivelling towards 0 degrees | proportional |
| | | | | | | 128 | 0 degrees (128=default) | step |
| | | | | | | 129-255 | Swivelling from 0 degrees | proportional |
| **32** | **20** | **36** | **40** | **26** | **44** | | **Framing shutter 2- movement** | |
| | | | | | | 0-255 | Movement from Outward to Inward (0=default) | proportional |
| **33** | **21** | **37** | **41** | **27** | **45** | | **Framing shutter 2- swivelling** | |
| | | | | | | 0-127 | Swivelling towards 0 degrees | proportional |
| | | | | | | 128 | 0 degrees (128=default) | step |
| | | | | | | 129-255 | Swivelling from 0 degrees | proportional |
| **34** | **22** | **37** | **42** | **28** | **46** | | **Framing shutter 3 movement** | |
| | | | | | | 0-255 | Movement from Outward to Inward (0=default) | proportional |
| **35** | **23** | **39** | **43** | **29** | **47** | | **Framing shutter 3- swivelling** | |
| | | | | | | 0-127 | Swivelling towards 0 degrees | proportional |
| | | | | | | 128 | 0 degrees (128=default) | step |
| | | | | | | 129-255 | Swivelling from 0 degrees | proportional |
| **36** | **24** | **40** | **44** | **30** | **48** | | **Framing shutter 4 movement** | |
| | | | | | | 0-255 | Movement from Outward to Inward (0=default) | proportional |
| **37** | **25** | **41** | **45** | **31** | **49** | | **Framing shutter 4- swivelling** | |
| | | | | | | 0-127 | Swivelling towards 0 degrees | proportional |
| | | | | | | 128 | 0 degrees (128=default) | step |
| | | | | | | 129-255 | Swivelling from 0 degrees | proportional |
| **38** | **26** | **42** | **46** | **32** | **50** | | **Shutter/ strobe** | |
| | | | | | | 0 - 31 | Shutter closed | step |
| | | | | | | 32 - 63 | Shutter open (32=default) | step |
| | | | | | | 64 - 95 | Strobe-effect from slow to fast | proportional |
| | | | | | | 96 - 127 | Shutter open | step |
| | | | | | | 128 - 143 | Opening pulse in sequences from slow to fast | proportional |
| | | | | | | 144 - 159 | Closing pulse in sequences from fast to slow | proportional |
| | | | | | | 160 - 191 | Shutter open | step |
| | | | | | | 192 - 223 | Random strobe-effect from slow to fast | proportional |
| | | | | | | 224 - 255 | Shutter open | step |
| **39** | **27** | **43** | **47** | **33** | **51** | | **Dimmer intensity** | |
| | | | | | | 0 - 255 | Dimmer intensity from 0% to 100% (0=default) | proportional |
| **40** | * | **44** | **48** | * | **52** | | **Dimmer intensity - fine** | |
| | | | | | | 0 - 255 | Fine dimming (0=default) | proportional |

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| TX1 PosiProfile - Colours on Virtual Colour Wheel | | | | | |
|---|---|---|---|---|---|
| **Colour name** | **Red** DMX | **Green** DMX | **Blue** DMX | **Amber** DMX | **Lime** DMX |
| Filter 4 (Medium Bastard Amber) | 255 | 47 | 7 | 255 | 80 |
| Filter 10 (Medium Yellow) | 255 | 65 | 0 | 255 | 132 |
| Filter 19 (Fire) | 255 | 0 | 0 | 186 | 1 |
| Filter 26 (Bright Red) | 255 | 0 | 0 | 25 | 0 |
| Filter 58 (Lavender) | 255 | 0 | 68 | 255 | 44 |
| Filter 68 (Sky Blue) | 132 | 190 | 159 | 0 | 36 |
| Filter 71 (Tokyo Blue) | 0 | 0 | 255 | 0 | 0 |
| Filter 79 (Just Blue) | 123 | 147 | 171 | 0 | 56 |
| Filter 88 (Lime Green) | 255 | 237 | 2 | 198 | 185 |
| Filter 90 (Dark Yellow Green) | 0 | 255 | 2 | 0 | 169 |
| Filter 100 (Spring Yellow) | 255 | 0 | 0 | 255 | 223 |
| Filter 101 (Yellow) | 255 | 0 | 0 | 255 | 157 |
| Filter 102 (Light Amber) | 255 | 142 | 4 | 255 | 73 |
| Filter 103 (Straw) | 255 | 138 | 4 | 255 | 97 |
| Filter 104 (Deep Amber) | 255 | 0 | 0 | 255 | 124 |
| Filter 105 (Orange) | 255 | 0 | 0 | 255 | 60 |
| Filter 106 (Primary Red) | 255 | 0 | 0 | 104 | 0 |
| Filter 111 (Dark Pink) | 255 | 0 | 11 | 255 | 59 |
| Filter 115 (Peacock Blue) | 0 | 255 | 31 | 0 | 72 |
| Filter 116 (Medium Blue-Green) | 0 | 255 | 20 | 0 | 63 |
| Filter 117 (Steel Blue) | 45 | 255 | 42 | 158 | 183 |
| Filter 118 (Light Blue) | 4 | 255 | 37 | 0 | 77 |
| Filter 119 (Dark Blue) | 0 | 165 | 118 | 0 | 0 |
| Filter 120 (Deep Blue) | 3 | 165 | 111 | 0 | 0 |
| Filter 121 (Filter Green) | 84 | 255 | 0 | 235 | 24 |
| Filter 128 (Bright Pink) | 255 | 0 | 10 | 127 | 0 |
| Filter 131 (Marine Blue) | 0 | 255 | 75 | 51 | 116 |
| Filter 132 (Medium Blue) | 0 | 255 | 102 | 0 | 42 |
| Filter 134 (Golden Amber) | 255 | 51 | 0 | 255 | 42 |
| Filter 135 (Deep Golden Amber) | 255 | 35 | 0 | 255 | 0 |
| Filter 136 (Pale Lavender) | 184 | 7 | 51 | 255 | 60 |
| Filter 137 (Special Lavender) | 231 | 63 | 43 | 255 | 99 |
| Filter 138 (Pale Green) | 255 | 224 | 6 | 255 | 200 |
| Filter 139 (Primary Green) | 0 | 255 | 0 | 0 | 84 |
| Filter 141 (Bright Blue) | 0 | 255 | 77 | 0 | 82 |
| Filter 147 (Apricot) | 255 | 0 | 4 | 255 | 115 |
| Filter 148 (Bright Rose) | 255 | 0 | 7 | 255 | 13 |
| Filter 152 (Pale Gold) | 255 | 0 | 11 | 255 | 112 |
| Filter 154 (Pale Rose) | 255 | 0 | 16 | 255 | 119 |
| Filter 157 (Pink) | 255 | 0 | 7 | 255 | 27 |
| Filter 158 (Deep Orange) | 255 | 0 | 0 | 255 | 30 |
| Filter 162 (Bastard Amber) | 255 | 175 | 7 | 255 | 50 |
| Filter 164 (Flame Red) | 255 | 0 | 0 | 142 | 0 |
| Filter 165 (Daylight Blue) | 12 | 255 | 158 | 3 | 156 |
| Filter 169 (Lilac Tint) | 255 | 12 | 27 | 255 | 61 |
| Filter 170 (Deep Lavender) | 255 | 0 | 65 | 255 | 90 |
| Filter 172 (Lagoon Blue) | 0 | 238 | 113 | 0 | 255 |

| **Colour name** | **Red** DMX | **Green** DMX | **Blue** DMX | **Amber** DMX | **Lime** DMX |
|---|---|---|---|---|---|
| Filter 179 (Chrome Orange) | 255 | 0 | 0 | 255 | 112 |
| Filter 180 (Dark Lavender) | 92 | 15 | 188 | 76 | 46 |
| Filter 181 (Congo Blue) | 185 | 0 | 214 | 0 | 0 |
| Filter 197 (Alice Blue) | 0 | 249 | 163 | 39 | 0 |
| Filter 201 (Full C.T. Blue) | 38 | 150 | 97 | 36 | 246 |
| Filter 202 (Half C.T. Blue) | 164 | 13 | 123 | 34 | 255 |
| Filter 203 (Quarter C.T. Blue) | 255 | 203 | 54 | 104 | 255 |
| Filter 204 (Full C.T. Orange) | 255 | 125 | 0 | 255 | 4 |
| Filter 205 (Half C.T. Orange) | 255 | 139 | 5 | 255 | 67 |
| Filter 206 (Quarter C.T. Orange) | 255 | 60 | 17 | 255 | 98 |
| Filter 247 (Filter Minus Green) | 255 | 28 | 36 | 255 | 56 |
| Filter 248 (Half Minus Green) | 255 | 20 | 45 | 255 | 200 |
| Filter 281 (Three Quarter C.T. Blue) | 38 | 255 | 102 | 136 | 227 |
| Filter 285 (Three Quarter C.T. Orange) | 255 | 0 | 0 | 255 | 121 |
| Filter 352 (Glacier Blue) | 16 | 255 | 119 | 5 | 149 |
| Filter 353 (Lighter Blue) | 14 | 255 | 66 | 0 | 157 |
| Filter 715 (Cabana Blue) | 0 | 222 | 182 | 0 | 0 |
| Filter 778 (Millennium Gold) | 255 | 0 | 0 | 255 | 37 |
| Filter 793 (Vanity Fair) | 255 | 0 | 26 | 171 | 0 |
| | | | | | |
| | | | | | |