

# AURA

## ComPar 30 RGBW LED spotlight with remote control



## User manual

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*User manual version: 1.1 Creation date + author initials: 04-11-2015 RV Revision date + author initials: 17-12-2015 RV*

# Introduction

Thank you for purchasing the Ayra ComPar 30. This user-friendly wash light fixture enables you to create a great atmosphere with various bright colours. The ComPar 30 features 5 powerful 10W RGBW LEDs, ensuring rich and vivid colours from a narrow beam angle. As such, the ComPar 30 is ideal for use as colourful beam light.

Read this user manual before you set up the device and familiarise yourself with the product and its accessories. Also check the contents of the box for possible damage or missing parts.

If you encounter any problems during use, contact your local dealer for more information and help.

The ComPar 30 features a robust and compact housing, equipped with a double bracket that makes it easy to suspend the fixture or place it on a floor. An infrared remote control allows you to select colour presets and many other options without touching the display or menu buttons. The ComPar 30 has a wide range of built-in colour presets, as well as colour fade/jump options. DMX and master/slave options are also available.

The fixture's compact design allows for low-profile applications. Four rubber feet provide adequate support, and because the connectors are located on the sides, the unit can be installed in a flat position. This also helps to prevent cable management problems. Additional useful features include DMX connectors and power daisy-chain options. The ComPar 30 is often used as a party light, and is often found in party rooms, community centres, bars, dance studios, rollerskate rinks, bowling venues, etc.



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# Safety instructions



## WARNING!



Always keep this device away from moisture and rain! Hazardous electric shocks may occur!



## WARNING!



Only connect this device to a suitable power outlet. This device is intended to work on a specific AC current. Connecting it to power outlets with other voltages may result in permanent damage and possible hazardous situations, such as fire or electric shocks!



## WARNING!



Be careful when operating this device. Touching live wires inside and outside the unit may cause hazardous electric shocks!

- Make sure there is no damage caused by transport. If the device seems damaged from the outside, do not use it and contact your dealer for more information.
- To make sure the device remains in perfect condition and safe to operate, follow the instructions and warning notes of this user manual.
- Damage caused by improper use or modifications to the device are not covered by the warranty.
- This device does not have any user-serviceable parts inside. This device must be serviced by qualified technicians.
- The light source of this device is not replaceable. When the light source reaches the end of its life, the whole fixture must be replaced.

### Important notes regarding health and safety:

- Never let the power cord come into contact with other cables. Handle the power cord and all mains connectors with caution.
- Never remove any warning or informative labels from the unit.
- Never leave cables lying around.
- Do not open the device and do not modify any hardware or software.
- Do not insert objects into the air vents of this device.
- Do not connect this device to a dimmer pack.
- Do not switch the system on and off frequently, as this will reduce the lifespan of the device.
- Do not drive the inputs of the fixture with a signal greater than required to work at full performance.
- Only use this device indoors, avoid contact with water, moisture and other liquids. Do not place items filled

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with liquids on top of the unit.

- Avoid nearby flames or heat sources, do not place this device near flammable liquids, gas or flammable items.
- Always disconnect the device when it is not in use for a longer period or time, when servicing is needed, or when the device needs cleaning.
- Only handle the power cord by its connectors. Never pull the cable to remove a connector from its socket, as this could lead to damage and electric shocks.
- Always operate this device with a stable AC current.
- Always operate this device with the AC ground wire connected to the electrical system's ground.
- Never use other types of cables other than those specified in the manual, do not use defective or malfunctioning cables. Contact your dealer if the included or required cables do not work properly with this device.
- If the device has been exposed to considerable temperature changes (for example, transport from outdoors to indoors), do not connect the device immediately. Do not activate the unit until it has reached room temperature as moisture might build up inside the unit, which may cause it to short-circuit and/or cause electric shocks.

#### **Guidelines and types of use:**

- This device is intended to be used by adults for entertainment lighting in locations such as community centres, bars, dance studios, rollerskating rinks, bowling alleys, etc.
- This device is not suitable for use by children and must always be operated by an adult.
- Only use the device when the environment is suitable and will not cause any damage. Do not use the product in damp or dusty environments, or where permanent damage may occur such as:
  - indoor swimming pools where chlorine is used.
  - Beaches, where sand and salt are present.
  - Outdoors.
  - Indoor areas where intense heat sources are present or where the temperature exceeds levels that are comfortable for humans.
- Use only the included power cable and only connect the device to a suitable power outlet with the correct output voltage. Connecting the device to a power outlet with the wrong type of voltage or using the product with a wrong type of power supply may cause permanent damage to the device.
- Avoid shocks and collisions during use and transport. Do not transport the device while in use. Avoid brute force during the installation and operation of this device.
- Familiarise yourself with the functions of the device before use. Do not allow operation of the device by unskilled or unqualified people.
- Use of the device in ways other than described in this user manual may cause damage and injury. Ayrac cannot be held responsible for any damage or injury caused by improper use.

#### **Storage and transport:**

- This device is intended for mobile use as well as fixed installations. During transport, use the original packaging of the product, the included flight bag or a fitting flight case, preferably filled with foam.
- This device is not intended for continuous use. Operation breaks will ensure that the lifespan of the device is not reduced.
- If the device is not used for a longer period of time, disconnect it from its power source and store it in its original packaging, or in a fitting flight case.
- Store the device under dry conditions indoors, and do not expose the device to extreme temperature changes.

#### **Housing:**

- Inspect the housing of the device frequently. Make sure there are no severe dents, cracks or missing screws. Do not use the device if the housing is not in optimal condition. Contact your dealer or a skilled technician when in doubt about the state of the device.
- Check the fixture and screws for corrosion. Corrosion should not be present on the fixture. Contact your dealer or a skilled technician if corrosion is found on the fixture.
- Every power or signal chassis connector should be mounted tightly. Do not use the device if connectors are loose.
- Do not use the power cord if the wires are visible. The cable cannot be replaced by the user and should only be repaired or replaced by a skilled technician.

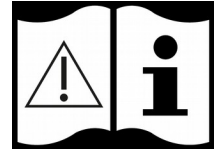
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- Prevent the build-up of dust and dirt. Clean the exterior of the fixture every month with a dry or damp cloth. If the device is used intensively, the cleaning frequency must be increased. Disconnect the fixture when it is going to be serviced.

**Fuses:**

- The main fuse of this device is located on the rear of the device. In most cases, it is directly next to the power inlet.
- Only replace a fuse with a new one of the same type and rating! Do not use a fuse with a higher or lower rating.
- Do not bridge the fuse with electrical wires or aluminium foil as the fuse is used for protection against electrical shocks and short circuits.
- Always put the fuse cover back on the fuse compartment.



## Battery hazard:

**WARNING**

Do not ingest battery.  
Chemical burn hazard.

The remote control supplied with this equipment contains a coin/button cell battery.

If a coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and possibly lead to death.

Keep new and used batteries away from children.

If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries may have been swallowed or placed inside any part of the body, seek immediate medical attention.

**CAUTION**

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type of battery.

Do not expose batteries to excessive heat such as sunshine, fire and the like.

Do not leave batteries in an extremely high-temperature environment, as this may cause explosions or leakage of flammable liquids or gas.

Do not burn batteries, do not place batteries in a hot oven, and do not crush or cut batteries, as this may cause explosions.

Do not subject batteries to extremely low air pressure (high altitudes), as this may cause explosions or leakage of flammable liquids or gas.

If equipment is not used for an extended period of time (e.g. a few months), batteries should be removed.

Instantly remove empty batteries from the equipment.




Do not store loose batteries or carry them in your pocket or purse. Contact with metal objects like coins and keys, etc. may cause them to leak, rupture or short-circuit.

Recycling:

Do not dispose of batteries in general household waste. Batteries can contain substances that may harm the environment. If they are properly recycled, used batteries are a valuable source of reusable materials.

Contact your local government for information on battery disposal.

**Symbol clarification:**

	<p><b>WEEE:</b> Dispose of this product properly. This product is part of the WEEE directive – the Waste Electrical and Electronic Equipment directive. The requirements stated in this directive apply to all manufacturers and producers of electronic equipment in the EU.</p> <p>Do not dispose of this product together with regular household trash. Contact your local government for more information about proper disposal and recycling of electronic products in your region. By recycling this product properly after use, we can work together to enjoy these products and also protect our environment from being polluted.</p>
	<p><b>CE:</b> The CE mark indicates that the product complies with applicable European directives and regulations.</p>
	<p><b>Indoor use only:</b> This device is designed to be used indoors only. The maximum ambient temperature should not exceed 40 degrees Celsius (104 degrees Fahrenheit).</p>

# AYRA

**Contact:**  
Ayra professional lighting products  
Verrijn Stuartweg 18  
4462 GE Goes  
The Netherlands

*Please do not send any products directly to this address. If you wish to return a product for a refund or repair, please contact your local dealer for an RMA (Return Material Authorisation).*

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# Box contents

## Box contents

- 1x ComPar 30 fixture
- 1x Power cable IEC C13 to Schuko (3x 1mm<sup>2</sup>)
- 1x Power cable IEC C13 to UK (3x 1mm<sup>2</sup>)
- 1x IR remote control with CR2025 battery

## Unit and accessory inspection

- Always use the supplied power cable to connect the unit to a power supply. If the cable appears broken or has visible damage, do not use it.
- If the unit is not going to be used for a longer period of time, disconnect it from the power supply and store it in a dust-free environment.
- Always check the unit for possible damage before use. If you suspect that something is wrong with the unit, do not connect it to a power source! If you suspect that your unit is broken or damaged, contact your local dealer or a certified technician to inspect the unit.

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# Device overview



1. Beam output
2. IR remote control receiver
3. dual bracket with tightening knobs
4. rubber feet
5. IEC C14 power input + fuse
6. IEC C14 power output
7. DMX input (3p XLR)
8. DMX output (3p XLR)
9. ventilation slots
10. microphone
11. LED display with menu buttons

## Remote control functions:

- BL: Blackout (on/off)
- SP: Speed
- ☀️: Brightness
- FL: Flash (Strobe)
- R: Red intensity
- G: Green intensity
- B: Blue intensity
- W: White intensity (not available on this product)
- A: Amber intensity (not available on this product)
- JU: Colour jump
- FA: Colour fade
- AU: Auto mode
- SU: Sound mode
- CM+ Next Colour preset
- CM- Previous colour preset



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# Setting up the unit

To activate the unit, use the included power cable to connect it to a suitable 230V, 50Hz power outlet.

The device will need a few seconds to start up and will continue in the previously used mode. If that is the DMX mode and no signal is detected, the fixture will switch to the last selected stand-alone mode.

The device can now be set as desired, using the menu display or the included remote control. The remote control allows you to control the ComPar 30 when it's set to stand-alone mode, or when it's connected in a master-slave setup. This way, standard colour presets, colour fades, sound-controlled modes, etc. can be selected.

If you need additional options, the menu display and buttons can be used to select the right settings.

Use the display and the menu buttons underneath to set preferences, change settings and scroll through the menu. "Enter" is used to save a certain setting or preset. Press "Menu" for at least 2 seconds to return to the main menu.

The table below explains each feature and value.

display	Mode	Function
<b>ADDR</b>	DMX address setting	Address 001 ... 512
<b>CHND</b>	DMX channel mode	2CH – 2 Channel mode 3CH1 – 3 Channel mode RGB 3CH2 – 3 Channel mode dimmer, strobe, macro 4CH – 4 Channel mode RGBW 7CH – 7 Channel mode
<b>SLND</b>	Slave mode	Master: Master unit Slave: Slave unit (follows master commands)
<b>SHND</b>	<b>Show modes</b>	
	COLO	COL1 – COL15: Colour preset
	RGBW:	CR00 – CR99: Dimmer red CG00 – CG99: Dimmer green CB00 – CB99: Dimmer blue CU00 – CU99: Dimmer white CF00 – CF99: Flash speed (strobe speed)
	JUMP	JU00 – JU99: Colour jump speed JF00 – JF99: Flash speed (strobe speed)
	FADE	FA00 – FA99: Colour fade speed FF00 – FF99: Flash speed (strobe speed)
	SHOW	Sound-controlled operation
<b>SOUN</b>	Sound mode on/off	ON/OFF: Switch sound sensitivity on or off
<b>SENS</b>	Sound sensitivity	00 – 99: Sound sensitivity in %
<b>BALA</b>	Colour balance	RED: Red correction 000 – 255 GREE: Green correction 000 – 255 BLUE: Blue correction 000 - 255
<b>LED</b>	ON/OFF	LED display on/off when not in use
<b>DISP</b>	Disp / dslp	Display flip
<b>TEST</b>	Test mode	Easy way of checking LEDs during maintenance
<b>HOUR</b>	Working hours	0000 – 9999 working hours
<b>VER</b>	Firmware version	Shows firmware version

**ADDR:** DMX address setting, used to determine the DMX starting channel. Starting with the selected channel, the fixture will respond to values corresponding with the number of used channels. (For example, if you set the starting address to value 003, the fixture will respond to channels 3, 4, 5, etc.)

**CHND:** The fixture's channel mode makes it possible to select the right channel mode setting for each application. For simple and basic setups, users may prefer to use the 2CH mode. For advanced setups,

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users may prefer to choose the 6CH mode to be able to control every feature.

**SLND:** Select the right master or slave mode for the fixture. The standard mode is the master mode. Select Slave mode 1 or 2 (2 is partially reversed in music-controlled mode), and the fixture will only follow signals provided by the master fixture.

To use the master/slave mode, connect two ComPar 30 fixtures using a standard 3P XLR male - 3P XLR female cable (not included). Connect the DMX output of the master to the DMX input of the slave unit. Regardless of the mode selected on the master fixture (AutoRun, Sound-controlled), the slave will mimic the actions.

**NOTE:** please note that it is not possible to switch to any operating mode if the Slave mode is activated on your fixture!

**SHND:** The show modes grant access to the various stand-alone operating modes. A short explanation:

COLO: Colour presets, choose between 15 static colours.

RGBW: Set all dimmer levels individually to achieve a custom colour preset.

JUMP: Colour jump, jumps directly from one colour preset to the next. Strobe can be set individually.

FADE: Colour fade, fades smoothly from one colour preset to the next. Strobe can be set individually.

SHOW: Sound-controlled mode

**SOUN:** The sound status shows whether the unit's built-in microphone is activated or not. It can be enabled or disabled in the menu with the ON/OFF selector.

**SENS:** The sensitivity of the built-in microphone is adjustable, in order to optimise the built-in sound-controlled mode. If your music source (speakers) is placed far away, for instance, it is possible to increase the sensitivity, making sure that the fixture responds to the sound accurately. The sensitivity can be adjusted from 0 to 100, 100 being the most sensitive.

**LED:** LED display on/off. If you use this device in a club or theatre, the environment is usually dark. Therefore, it is possible to shut off the LED menu display light when it is not in use. The default setting is ON, which means that the LED display remains on all the time. Set to OFF, the display will switch off when it hasn't been used for approximately one minute.

**DISP:** Display flip function. Invert the display status, and the status of the buttons will also change. From the correct reading position, Menu is always on the left and Enter is always on the right. This feature is particularly practical if the device is suspended near a wall, so you cannot read the status easily.

**TEST:** When this mode is selected, the unit tests each LED colour individually. During maintenance broken LEDs can be easily spotted.

**HOUR:** Service intervals are primarily used by rental companies and by users who use their fixtures frequently. After a specific number of operating hours, the fixture is brought in for service, to check if all components are in good shape and to fix any problems. This function displays the number of hours that the product has been used.

**VER:** Displays the firmware version that is installed on the PCB. Users cannot upload new firmware to this fixture.

**REST:** Resets the fixture without removing the power cables or switching the unit off.

# Operating modes

The ComPar 30 offers various operating modes, each with its own advantages. For simple events there are stand-alone modes, and for advanced situations it's possible to create synchronised light shows. You can also control every feature of the ComPar 30 via DMX in various channel modes. A short description for each mode can be found below:

## Auto:

Automatic and mostly stand-alone operating mode, where users can pick one of the various options, such as static colours, colour fades or even custom colours.

## Sound:

Automatic light show with one of the pre-programmed internal shows in sync with the music, thanks to an internal microphone that picks up the beat of the music and changes a step each time a beat is detected. Use the Sens mode to change the sensitivity of the internal microphone, so it will respond optimally to the beat of the music.

## Slave:

In master/slave mode, it is possible to link several ComPar 30 fixtures together, to create synchronised light shows in the automatic or sound-controlled mode, or even with colour presets to save time. Set the first fixture in the chain to the desired mode, and the other fixtures to Slave mode, so they will mimic the behaviour of the first fixture. The master/slave function requires 3p XLR male - XLR female cables (not included). Connect the DMX output of the master fixture to the DMX input of the second fixture (and from this fixture to the next if needed).

## DMX:

The ComPar 30 can be connected to a DMX controller with standard 3p XLR male - XLR female cable. In DMX mode, a DMX terminator must be connected to the last fixture at the end of the DMX chain to prevent reflections in the DMX signal, which could cause flickering and unwanted behaviour from your intelligent fixtures.

A DMX terminator is an XLR connector with a 120-ohm resistor placed between pin 2 and 3 as a bridge.

**NOTE:** With the ComPar 2, it's possible to switch between various channel modes. For simple applications that require a minimum amount of control, the 2CH mode is perfect. Users who wish to have ultimate control over all of the ComPar 2's features can select the 6CH mode.

## 2CH mode:

CH	Function	Values
1	Dimmer 0-100%	000-255
2	Colour preset	000-016: Red 017-033: Green 034-050: Blue 051-067: White 068-084: Orange 085-101: Cyan 102-118: Lavender 119-135: Pink 136-152: Bright Green 153-169: Magenta 170-186: Pale Pink 187-203: Amber 204-220: Bright Magenta 221-237: Pale Cyan 238-255: Warm White

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**3CH1 mode:**

CH	Function	Values
1	Dimmer 0-100%	000-255
2	Strobe slow-fast	000-255
3	Colour macro	000-004: Blackout 005-080: Colour 1-15 081-150: Colour jump (slow to fast) 151-220: Colour fade (slow to fast) 221-255: Sound active

**3CH2 mode:**

CH	Function	Values
1	Red 0-100%	000-255
2	Green 0-100%	000-255
3	Blue 0-100%	000-255

**4CH mode:**

CH	Function	Values
1	Red 0-100%	000-255
2	Green 0-100%	000-255
3	Blue 0-100%	000-255
4	White 0-100%	000-255

**7CH mode:**

CH	Function	Values
1	Dimmer 0-100%	000-255
2	Red 0-100%	000-255
3	Green 0-100%	000-255
4	Blue 0-100%	000-255
5	White 0-100%	000-255
6	Strobe slow-fast	000-015: No function 016-255: Strobe slow-fast
7	Auto run	000-015: No function 016-255: Auto run slow-fast

# Installation and connection requirements

The Ayra ComPar 30 is a versatile product that can be used in many ways. To use this device as intended and to be sure that it is used in a safe way, the following requirements must be met during the setup, installation and connection.

## Installing the system in a standing position

The ComPar 30 is used for lots of applications and can be placed directly on a flat surface such as a table, floor or counter. Please ensure that the device is positioned safely and the power cord is installed properly. Accidents may happen if the power cord is hanging freely and can be pulled by small children, causing the device to fall down. Install the device securely and contact your local dealer or a skilled technician for the best installation advice for permanent and mobile setups.

The device can be placed in a standing position for uplighting purposes, using either the integrated double bracket or the rubber feet.

## Installing the fixture in a suspended position

The ComPar 30 is equipped with a mounting bracket that makes it possible to install the device suspended from a ceiling, wall or beam. Mounting hardware is not included, but available at your local hardware store. Please make sure to select the right mounting hardware for the material. For example, wooden beams require other hardware than a brick wall.

A safety cable must be used to secure the device if the device is installed in a suspended position. A safety cable is not included, but can be purchased at your local dealer. The bracket knobs will hold the fixture if it falls, so looping the safety cable through the mounting bracket is sufficient. If the mounting hardware should fail for any reason, the device must not be permitted to fall more than 30 cm and the safety cable must be able to carry 10x the weight of the unit.

## Light source

The ComPar 30 uses 5 10W RGBW LED chips to create an immense number of colours. The light source cannot be replaced by the user. The device does not require cool down time after use before it is transported. The ComPar 30 uses convection cooling and is not equipped with cooling fans. If the device is used in a fixed installation, it can be disconnected from the power source or turned off. There are no fans installed to cool the lamp, so a standby setting before shutdown is not required.

Do not look at the device's light source from short distance when it is in use. The human eye will adjust to the bright beams and possibly create temporary blind spots. These will disappear after a short period of time and will not cause permanent damage to the eye or permanent loss of vision, but can cause disorientation and inconvenience.

To protect the user and the device from damage and/or injury, a plastic lens is placed in front of the SMD LEDs. It is therefore not possible to actually touch the SMD LEDs. The PCB it is soldered on for your protection. If the lens is severely damaged or grants direct access to the PCB for any reason, the device should not be used and disconnected from the mains.

## Spare parts

This unit has no user-serviceable parts inside. If internal components sustain damage, contact your local dealer or a specialised technician in order to repair the fixture.

## Cleaning:

Clean the housing of the fixture frequently with a damp cloth, to remove dust and/or dirt.

**WARNING:** Always disconnect the fixture from your wall outlet or other power supply and let the fixture dry before reconnecting it. This prevents possible electric shocks.

The lenses can be cleaned with a non-aggressive glass cleaning solution, but this is not recommended. Ayra advises cleaning the mirror and lens with a fine brush, while removing dust and/or dirt with a vacuum cleaner.

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Avoid touching the lenses with your bare fingers, to prevent fingerprints on the optics.

### **Check-up**

To prevent dangerous situations, make sure your fixture is in optimal condition before using it. Check your fixture frequently, using the following check list:

- All screws must be mounted tightly.
- Check all screws and metal parts for corrosion. There shouldn't be any visible signs of corrosion.
- The exterior of your fixture must be in optimal condition. Check your fixture for dents, cracks or missing parts.
- Your installation spot must be in optimal condition. Check your installation spot for corrosion, cracks, dents and strength.
- Electrical components (connectors and cables) must be in optimal condition. No form of damage (cuts, exposed wire cores or any other irregularities) should be visible.

If any visual or mechanical damage is detected, contact your local dealer or a specialised technician. Do not use a damaged or malfunctioning fixture.

### **Transport and storage**

The ComPar 30 can be transported directly after shutdown. As the ComPar 30's light sources do not need time to cool down, the device can be stored and transported instantly.

During transport, the device must be securely protected to ensure it stays reliable and in optimal shape. Always use the original box and packaging material to transport the unit, or a fitting flight case or flight bag if the device is transported frequently for mobile use.

### **Power input and output**

The ComPar 30 is equipped with an extra power output, which allows for daisy-chaining of several light effects.

The output of the ComPar 30 can handle a maximum power of 2,000 W. This equals around 8.9 A based on a 230V AC, 50Hz connection. A maximum of 55 ComPar 2 fixtures can be daisy-chained from the main ComPar 2 device.

Please make sure that no equipment with a power consumption higher than 2,000 W is connected to the output of the ComPar 30. The IEC C13/C14 chassis connectors can only withstand a maximum current of 10 A at 230 V AC, 50 Hz and the included power cable has cores of only 3x 1 mm<sup>2</sup>. If you use a higher current, there is a chance of melting connectors and/or cables. Ayra cannot be held responsible for any damage and/or injuries caused by improper use of the power outlets.

If you want to connect more than 55 ComPar 30 fixtures or larger equipment, the connection to a power outlet must be renewed.

Please note that the IEC C13/C14 connectors are not 'hot-swappable'. This means that the connectors may not be pulled out of the chassis if the cable is still connected to a power output socket.

The ComPar 30 is equipped with a fuse for its own components. The device's power input is directly linked to the device's power output.

### **XLR input and output**

The ComPar 30 is equipped with XLR chassis connectors. The DMX input is usually connected with a XLR cable that has a locking mechanism so it cannot be pulled from the chassis easily. Usually the locking part has to be pressed and held to unlock the mechanism. When doing this, the connector can be removed from its socket.

### **Remote:**

The ComPar 30 uses a CR2025 battery for the remote control. A battery is included upon delivery. A protective sheet of transparent plastic sticks out of the bottom of the unit. When it's removed, contact is made between the remote PCB and battery, and the remote can be used to control the ComPar 30.

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# DMX lighting troubleshooting

If you have any problems with DMX lighting, consult this troubleshooting section to solve the difficulties with your product. If this troubleshooting section does not solve your problem, contact your dealer for more information and help.

This troubleshooting section lists the most frequent problems and is not a complete collection of possible faults, defects and solutions. The troubleshooting section applies for DMX controllers, DMX cabling and DMX light fixtures. It is possible that not all described problems, causes and solutions apply to your situation, as product details may vary from product to product.

Problem	Possible Cause	Solution
The fixture cannot be turned on	Blown fuse	Check the fuse compartment for blown fuses and replace them if necessary.
	No power cable plugged in	Connect the power cable to a suitable power outlet.
The fixture does not respond to DMX signals	Wrong DMX address	Set the DMX address to the right value.
	DMX controller blackout function activated	Deactivate the blackout function of your DMX controller.
	Faulty positioning of the DMX polarity switch on the controller	Flip the polarity switch on your DMX controller.
	No response or DMX activity signal LEDs active	Check your DMX cables for possible connector breaks and replace them if necessary.
The fixture does not respond to sound	Wrong operating mode selected	Switch the operating mode of the device to DMX mode.
	Microphone sensitivity level is set too low	Check if the sound-controlled mode of the fixture is activated.
	Speaker placed too far away or lack of bass	Increase the sensitivity level of the built-in microphone.
The beam output is very low	Dirty/dusty optics	Place your light effect closer to your speakers (or vice versa) and/or increase low-frequency volumes. The microphone will not be triggered by high-pitched sounds.
	Dimmer is not set to full output	Clean the lens and/or other optics with a dry or damp cloth.
Sometimes the DMX signal is lost and/or some fixtures are flickering / behaving oddly	Faulty/broken DMX cables	Set all dimmer levels to 100% on your DMX console.
	Power cable interference on your DMX signal	Check your DMX cables for possible connector breaks and replace them if necessary.
	No DMX terminator	Avoid installing the DMX and (high-)power cables parallel to each other.
		Insert a DMX terminator at the end

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		of your DMX chain.
	Signal loss or distortion in DMX values	Insert a DMX booster in your DMX chain after 32 fixtures or fewer. After a maximum of 32 fixtures the DMX signal needs to be refreshed.
The fixture does not respond to all DMX channels	Wrong DMX channel mode	Check the DMX channel mode of the fixture. If the wrong value is set, change the channel mode to a different setting and try again.
I cannot switch operating modes	Fixture set to slave mode	Access the menu and adjust the Master/Slave function to Master, if it is set to Slave 1 or 2. During operation as Slave, it is not possible to activate the automatic or music-controlled modes.
Remote control does not work	Aimed wrong	The IR receiver of the device is placed on the front panel of the device. If something blocks its path or if the remote is not directly aimed at the IR receiver, the commands cannot be sent to the device.
	Battery empty	Check the remote battery and replace it if necessary.
	DMX mode activated on the device	If the DMX mode is activated on the device and a DMX signal is detected, this mode cannot be overruled by the remote.



# Technical specifications

- compact RGBW spot light
- 5 10W RGBW LEDs installed
- IR remote-controlled!
- DMX with several DMX channel modes
- several stand-alone programs, colour settings and shows
- dual mounting bracket for hanging and standing purposes
- rubber feet for uplighting purposes
- small angle projection of 22 degrees!
- ideal for colourful effect lighting purposes and uplighting
- perfect colour mixing
- LED display with menu buttons and display flip option
- test, hour and firmware version readouts for maintenance purposes

## Operating modes

- DMX control via 2, 3 (RGB), 3 (colour, strobe, dimmer), 4 or 7 channels
- stand-alone: colour preset, custom colour, colour jump, colour fade, sound-controlled operation
- adjustable sound sensitivity
- master/slave operating mode

## Technical info:

- connection voltage: 100-240V AC, 50/60 Hz
- fuse: F3AL250V
- power consumption: 35 W max.
- power factor: 0.491
- max. power output load: 9 A
- ta: 0-40° Celsius
- exterior surface temperature during normal use: 34.5° Celsius

## Light output:

- Red: 2300 lux @ 1m
- Green: 3680 lux @ 1m
- Blue: 4320 lux @ 1m
- White: 4930 lux @ 1m
- Full on: 14520 lux @ 1m

## Included accessories:

- IEC C13 to Schuko cable (1.5 m, 3x 1 mm<sup>2</sup>)
- IEC C13 to UK cable (1.5 m, 3x 1 mm<sup>2</sup>)
- IR remote with CR2025 battery

## Connectors and wiring schematics:

### DMX connectors:

#### DMX-output

XLR mounting-socket:



1: Ground  
2: Signal (-)  
3: Signal (+)


#### DMX-input

XLR mounting-plug:



1: Ground  
2: Signal (-)  
3: Signal (+)

### Electrical wiring:

Cable	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	

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