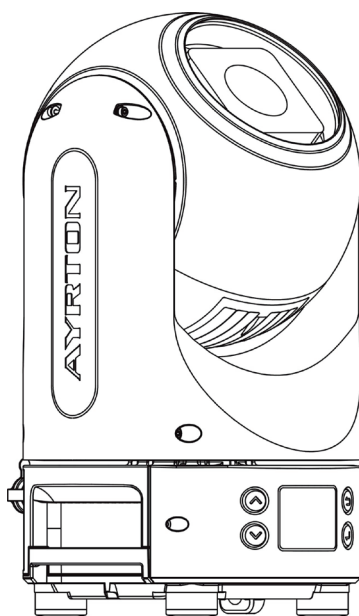


USER MANUAL

ENGLISH - PRELIMINARY

HØRUS



AYRTON

Digital Lighting



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91140 Villebon-sur-Yvette,
France

CONTENTS

1. SAFETY INSTRUCTIONS	3
2. FEATURES	3
3. FIXTURE OVERVIEW	4
4. DRAWINGS	4
5. INSTALLATION INSTRUCTIONS	4
6. DEVICE DMX START ADDRESS SELECTION	5
9. OPERATING INSTRUCTIONS OF THE INTERNAL DMX WIRELESS SYSTEM	5
7. DISPLAY	5
8. NFC	5
9. DMX PROTOCOL	5
10. ERROR MESSAGES	5
11. CLEANING AND MAINTENANCE	5

Keep this manual for future needs.

Errors and omissions for all information given in this user manual are possible.
All information is subject to change without prior notice.



RoHS

1. SAFETY INSTRUCTIONS

1.1 > IMPORTANT SAFETY WARNINGS

This device has left the factory in perfect condition. In order to maintain this condition and to ensure safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

In order to install, operate and maintain the lighting fixture safely and correctly we suggest that the installation and operation be carried out by qualified technicians and these instructions be carefully followed.

CAUTION	
	High voltage. Risk of severe or fatal electric shock.
	Always disconnect mains supply before removing any fixture covers.
	Never look directly into the light source. Sensitive persons may suffer an epileptic shock.
	A fixture exposed to salt water should not be stored in its foam insert without being cleaned with fresh water first. It is best practice that the fixture be stored dry.
	Never touch the device during operation. Covers may be hot.
	Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Note: This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Damage caused by the disregard of this user manual is not subject to warranty. The dealer and manufacturer will not accept liability for any resulting defects or problems.

- If the device has been exposed to temperature changes due to environmental conditions, do not power on immediately. The resulting condensation could damage the device. Leave the device powered off until it has reached room temperature.
- Ensure the sealing rubber covers of powerCON TrueOne and RJ45 connectors are fitted properly when the device is not in use, to avoid water ingress.
- This device falls under protection-class I. Therefore, it is essential that the device be earthed.
- If either lenses or display are damaged (damage may include cracks or gashes in the material) they must be replaced.

- Electrical connections, such as replacing the power plug, must be performed by a qualified person.
- Make sure that the available voltage is not higher than that which is stated in this manual.
- Make sure the power cord is never crushed or damaged by sharp edges. If this should be the case, replacement of the cable must be done by an authorized dealer.
- If the external flexible power cord of this device is damaged, it shall be exclusively replaced by the manufacturer or their service agent or a similar qualified person in order to avoid injury.
- When the device is not in use or before performing maintenance, always disconnect the device from the mains. Only handle the power cord from the plug. Never pull the plug out of a socket by tugging the power cord.
- When powered on for the first time, some smoke or smell may occur. This is caused by coating on metal parts when heated and is normal. If you are concerned, please contact your distributor.
- Do not focus the beam onto flammable surfaces. The minimum distance between the exiting lens of the device and the illuminated surface must be greater than 0.5 meters.

CAUTION

Please be aware that damage caused by any modifications to the device are not subject to warranty. Keep away from children and non-professionals.

1.2 > GENERAL GUIDELINES

- This device is for professional use on stages, in discotheques, theatres, etc. The device was designed for indoor and outdoor use.
- This fixture is only allowed to be operated within the maximum alternating current as stated in the technical specifications in section 2 of this manual.
- Handle the device with care avoid shaking or using force when installing or maintaining the device.
- If you use the quick lock cam when rigging the device, make sure the quick lock fasteners are located in the quick lock holes correctly and securely.
- Operate the device only after having familiarized yourself with its functions. Do not permit operation by persons not qualified for operating the device. Most damage is the result of unprofessional operation.
- Please use the original packaging if the device is to be transported.
- The applicable temperature for the device is between -20 °C to 45 °C. Do not use the device outside of this temperature range.
- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

CAUTION

For safety reasons, please be aware that all modifications to the device are forbidden. If this device is operated in any way different to the ones described in this manual, the product may suffer damage and the warranty becomes void. Furthermore, any other operation may lead to short-circuits, burns, electric shocks, etc.

2. FEATURES

POWER SUPPLY

- AC100-240 V~, 50/60 Hz
- Power Consumption: 100 W maximum

MOVEMENT

- Pan and tilt automatic repositioning
- Range: 540° pan and 270° tilt

HARDWARE FEATURES

- Graphic LCD display with flip function
- 4 menu buttons to set functions

- IP65 RJ45 connectors
- IP65 powerCON TRUE1 TOP connectors

CONTROL

- Console Control

COOLING SYSTEM

- Advanced cooling system
- Selectable ventilation user modes
- Excess temperature protection

HOUSING

- Skeleton made of aluminium and steel metal plates
- Base in die-cast aluminium
- Heatsinks in aluminium
- Moulded covers in self-extinguishing fire retardant
- Moulded covers ABS PC (VO class)
- Two sides handles for transportation
- Four heavy-duty feet for better stability
- IP65 protection rating

INSTALLATION

- One Omega 1/4 turn brackets
- Two 1/4 turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Maximum permitted: 45°C
- Minimum permitted: -20°C

COMPLIANCE

- CE

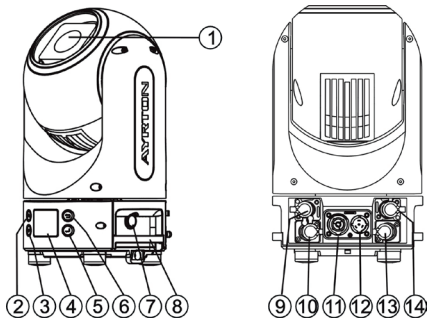
SIZE

- Product: 197 x 354.3 x 197 mm (l x h x d)
- Foam: 500 x 310 x 250 mm (l x h x d)

WEIGHT

- Product: 6.7 kg

3. PRODUCT OVERVIEW



- | | | |
|----------------|-----------------|---------------|
| 1. Camera | 6. Enter-button | 11. Power Out |
| 2. Up-button | 7. Valve | 12. Power In |
| 3. Down-button | 8. Handle | 13. RJ45 |
| 4. Display | 9. RJ45 | 14. RJ45 |
| 5. ESC-button | 10. RJ45 | |

4. DRAWINGS

4.1 › PRODUCT DIMENSIONS - TBA

5. INSTALLATION INSTRUCTIONS

5.1 › RIGGING THE DEVICE

CAUTION

Please consider the respective national norms during the installation. The installation must only be carried out by a qualified person.

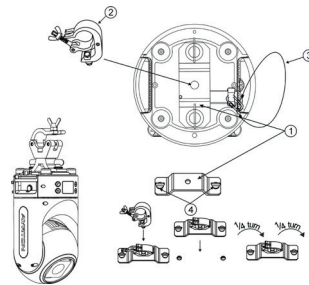
- The installation of the support structure has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.
- The installation must always be secured with a secondary safety attachment, e.g. an appropriate safety rope.
- Never stand directly below the device when mounting, removing or servicing the fixture.
- The operator has to make sure the safety relating and machine technical installations are approved by an expert before taking the device into operation for the first time.
- These installations have to be approved by a skilled person once a year.
- Overhead mounting requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the device. If you lack these qualifications, do not attempt the installation yo urself. Improper installation can result in bodily injury.

5.2 › RIGGING USING THE OMEGA BRACKETS

CAUTION

This step is very important to ensure safe rigging of the fixture.

- Fix the clamp to the bracket by tightening the M12 nut and bolt to the bracket through the Ø13 hole in the middle of the bracket.
- Insert the quick-lock fasteners of the first Omega holder into the respective holes on the bottom of the device. Tighten the quick lock fasteners fully clockwise.
- Install the second Omega holder.
- Pull the safety cable through the holes on the bottom of the base and over the trussing system or another suitable rigging point. Insert the end into the carabiner and tighten the safety screw.

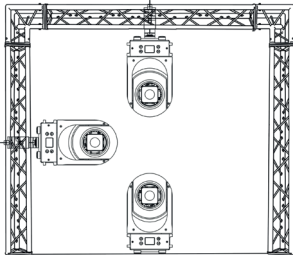


- | | |
|------------------|------------------------|
| 1. Omega bracket | 3. Safety rope |
| 2. Clamp | 4. Quick-lock fastener |

5.3 › RIGGING DRAWINGS

CAUTION

Overhead rigging requires extensive experience, including (but not limited to) calculating working load limits, specifying installation/rigging materials, and periodic safety inspection of all installation material as well as the device. If you lack these qualifications, do not attempt the rigging of this device yourself. Improper installation/rigging can result in serious bodily injury.



- Be sure this fixture is kept at least 0.1 m away from any flammable materials (decoration etc.).
- Always use and install a safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.
- **WARNING! Always use and install original Ayrton accessories to ensure a safe installations and use of the unit. Ayrton WILL NOT BE responsible for the use of third party accessories.**
- Rig the projector high enough to provide clearance for people who may walk beneath the beam path or establishing a restricted access area that extends beyond the beam hazard distance.
- **WARNING! Please DO NOT let other external intense lights to shine through the fixture front lens, it may cause significant internal damages!**
- When install fixture outdoor at day time (with power off), please make sure that the fixture front lens is NOT facing the sun.
- When use fixture outdoor at day time (with power on), please avoid fixture front lens facing the sun.
- When fixture is on standby outdoor at day time (with power on and no DMX signal), please make sure the "sun protection" mode is ON (default).

6. DEVICE DMX START ADDRESS SELECTION

All fixtures should be given a DMX starting address when using a DMX signal, so that the correct fixture responds to the correct control signals. This digital starting address is the channel number from which the fixture starts to "listen" to the digital control information sent out from the DMX controller. The allocation of this starting address is achieved by setting the correct address number on the display located on the base of the device.

You can set the same starting address for all fixtures or a group of fixtures, or set different addresses for each fixture individually.

If you set the same address on all devices, all the devices will start to "listen to" the same control signal from the same channel number. In other words, changing the settings of one channel will affect all the fixtures simultaneously.

If you set a different address, each unit will start to "listen to" the channel number you have set, based on the quantity of control channels of the unit. That means changing the settings of one channel will affect only the selected device.

7. DISPLAY

- The Display offers several features: you can set the starting address run the pre-programmed program or reset the device.
- The main menu is accessed by pressing  button.
- Browse through the menu by pressing  .
- Press  to exit menu and press  for confirm.
- Long press  to enter special menu, if the button locking, please long pressing  to unlock.
- After accessing the edit mode, the unit will automatically exit to the main menu after 20 seconds from the last button press.

- When the unit is powered on, if no data signal is connected after 1 minute, then the display will switch off automatically.

Scan the QR code on the cover page to download the MANUAL to check the DISPLAY MENU.

8. NFC

When the fixture is powered on, you can use a NFC smartphone installed with the Ayrton App to scan the NFC tag area of the fixture to read some of the information or settings inside the display menu, such as product name, software version, UID, DMX Start Address, Universe, User Mode, Options, Information, etc. You can also change some of the settings and push to write inside the fixture menu. When the fixture is not powered on, you can still use the App to read the NFC info and write the settings into the NFC tag, the written data will be automatically synchronized into the fixture menu at next time the fixture is powered on.

Note:

- Before using, make sure there is NFC function on your smartphone and it is activated. Download and install the Ayrton App;
- The NFC tag on the fixture is right under the LCD window;
- The NFC reader area vary on different smartphones, identify the correct area on your smartphone before scanning the NFC tag on the fixture;
- When scanning, make sure the NFC reader area of your smartphone close enough to the LCD window and hold still the smartphone for 3 seconds until reading successfully

Scan the QR code on the cover page to download the MANUAL to check the NFC operating.

9. DMX PROTOCOL

Scan the QR code on the cover page to check the DMX CHART.

10. ERROR MESSAGES - TBA

11. CLEANING AND MAINTENANCE

CAUTION	
	Disconnect from mains before starting maintenance operation
	Do not place the fixture with its lens/glass facing any people while doing the IP test!
	Never use alcohol or solvent to clean the lenses.
	Always run an IP test using the fixture's internal self pressure test function following any maintenance operation! Failure to comply with this clause will void the warranty!

NOTE: Pressure test with AYRTON IP TEST KIT is not applicable for this fixture.

NOTE: When using external equipment to test air tightness, air can only be filled and extracted from the exhaust hole of the bottom base, not from the exhaust hole of the fixture head.

Once the covers removed and before set them back, check the cover gasket to avoid any leak due to gasket damage. Cross tightening the die-casting covers HEX screws at the right torque value. Use a Torque Screwdriver set at 14 Kgf.cm (1.4 Nm) for metal cover or 7 Kgf.cm (0.7 Nm) for plastic cover.

The following points have to be considered during inspection:

- *All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.*
- *There must not be any deformations to the housing, lenses, rigging and installation points (ceiling, suspension, trussing).*
- *Motorized parts must not show any signs of wear and must move smoothly without issue.*
- *The power supply cables must not show any damage, material fatigue or sediment.*

Checking and replacing the desiccant

The desiccant is used as a humidity indicator in the fixture. Dry desiccant is orange; when it's saturated, the colour changes to dark green, and the bag should be replaced.

CAUTION

Unplug the fixture from mains before checking or replacing desiccant!

Do not check or replace desiccant in a damp environment!

Further instructions depending on the installation location and usage have to be adhered to by a qualified installer and any safety concerns have to be removed.

We recommend frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol or solvents. Please refer to the instructions under "Installation instructions".

Should you need any spare parts, please order genuine parts from your local dealer.

