USER MANUAL

ENGLISH - VERSION 130

zonda³
WASH

AYRTON
Digital Lighting

CONTENTS

Keep this manual for future needs.

CE UKCA Intertek 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.
♨️	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.
- 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 a lighting effect 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 –10 °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: 350 W

OPTICS
- 2 elements 14:1 zoom high-resolution optic system
- Beam aperture: 4° to 56°
- Fast motorised linear zoom
- 7 truncated edges 50 mm frontal lenses
- 170 mm front lens cluster

LIGHT SOURCE
- LED:
  - 7 pcs 4 in 1 RGBW LEDs
  - 138 pcs MULTILED RGB
- Extremely long Life: › 20,000 H

MOVEMENT
- Pan and tilt automatic repositioning

- Moving-head range: 540° pan & 270° tilt

COLOURS
- Excellent colour mixing and rainbow effect
- Sophisticated 4 colours RGBW mixed, reaching high Colour Rendering Index
- Uniform light beam with no colour shadows, and rich saturated and pastel colour-hues
- 4.29 billion colours (8-bit resolution)
- Virtual colour wheel, including most usuals white colour temperature presets

EFFECTS
- 2D & 3D graphical effects capabilities
- Effects can be coupled with beam, wash or matrix applications
- Built-in pattern effects with speed and fade controls for scenic applications

DIMMER / STROBE
- Electronic dimmer from 0 to 100% without colour variation
- Strobe effect: 1 to 25 flashes per second

HARDWARE FEATURES
- Graphic LCD display for addressing and special functions settings, with flip function
- Clicking jog wheel to set functions
- Excess temperature protection
- XLR 5 pin male and female connectors for DMX connection
- ethercon RJ45 IN / OUT connectors for ArtNet™ connection
- powerCON TRUE1 IN / OUT connectors for power connection

CONTROL
- DMX 512 protocol, through DMX cable or wireless system
- DMX-RDM compatible
- Stand-alone mode and Master/Slave modes
- ArtNet™ & sACN protocol through Ethernet cable
- Local control panel, with LCD display
- Choice of 3 DMX modes (from 26 to 46 DMX channels)

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 and copper
- Moulded covers ABS PC (V0 class)
- 2-side handles for transportation
- 4 heavy-duty feet for better stability
- IP20 protection rating

INSTALLATION
- 2 Omega ¼ turn brackets
- 4 ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS
- Maximum permitted: 45°C (113°F)
- Minimum permitted: -10°C (14°F)
- Minimum usage distance: 1 m (3.28 ft)

COMPLIANCE
- CE, UKCA, ETL

SIZE
- Product: 365 x 404 x 233 mm (l x h x d)
- Foam: 420 x 438 x 280 mm (l x h x d)

WEIGHT
- Product: 11.1 kg

3. FIXTURE OVERVIEW
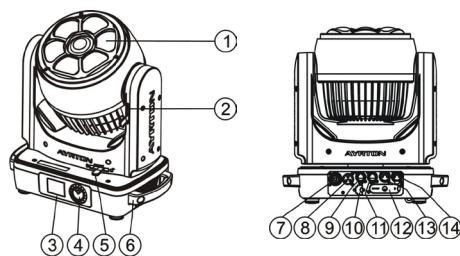
1.	Lenses Assembly	6.	Handle
2.	Tilt Lock	7.	Power In
3.	Display	8.	Power Out
4.	Jog Wheel	9.	RJ45 In
5.	Pan Lock	10.	USB
		11.	RJ45 Out
		12.	Battery
		13.	DMX In
		14.	DMX Out

4. DRAWINGS

4.1 › FIXTURE DIMENSION
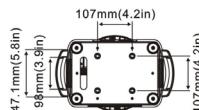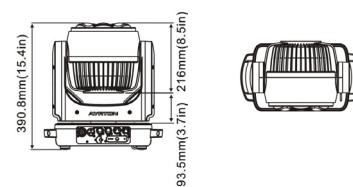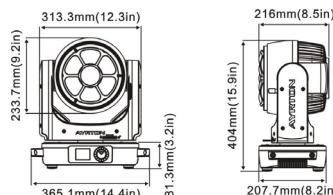
5. INSTALLATION INSTRUCTIONS

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 applicable temperature for the lighting is between -10 °C to 45 °C. Do not use the lighting under or above the temperature.
- The installation of the effect 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 yourself. 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 Φ13 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-holders
(2)Clamp
(3)Safety-rope
(4)Quick-lock fastener
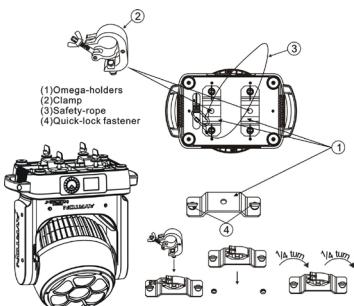
1. Omega bracket
2. Clamp
3. Safety rope
4. Quick-lock fastener

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.
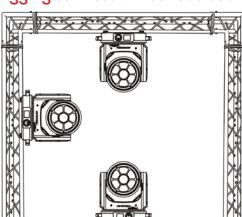

- Be sure this fixture is kept at least 0.1 m away from any flammable

materials (decoration etc.).
- Always use and install a supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.
- **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. DMX-512 CONTROL CONNECTION

Connect the male side of the XLR cable to the female XLR output of your controller and the female side of the XLR cable to the male XLR input of the device. You can connect multiple devices together in a serial fashion. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.

Address 1   Address 38   Address 75
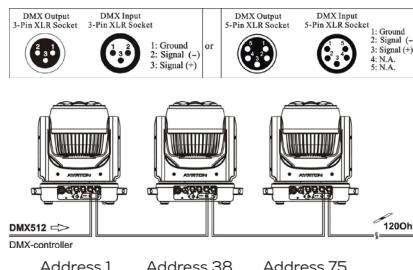
7. DMX-512 CONNECTION WITH DMX TERMINATION

For installations where the DMX cable has to run over a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal caused by electrical noise. The DMX terminator is an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output (female) XLR socket of the last fixture in the chain.

Please see illustrations below.
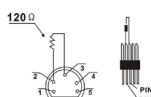
8. DEVICE DMX START ADDRESS SELECTION

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.

In the case of the LED moving head, in 37 channel mode, you should set the starting address of the first unit to 1, the second unit to 38 (37 + 1), the third unit to 75 (37 + 38), and so on.

9. DISPLAY

- The Display offers Jog Wheel features: you can set the starting address run the pre-programmed program or reset the device.
- The main menu is accessed by double clicking Jog Wheel.
- Browse through the menu by turning Jog Wheel clockwise or counterclockwise.
- Double clicking in order to select the desired menu or long pressing to exit menu, double click the Jog wheel for confirm. After accessing the edit mode, the unit will automatically exit to the main menu after 15 seconds from the last button press. Clockwise is positive direction while counterclockwise is opposite direction.
- When the unit is powered on if no data signal is connected after 1 minute then the display will switch off automatically.
- The Display does not need external power to operate in case there is battery, hold down the Jog Wheel for 6 seconds and the Display will turn on by using the unit's battery.

PS:
- *No response when quick press the Jog Wheel.*

CAUTION!
THE BATTERY MUST BE A LI-ION RECHARGEABLE BATTERY, THE SPECIFICATION IS AS FOLLOWING:

Li-ion Rechargeable Battery ICR 14500 3.7V
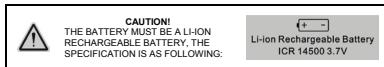
- *To install the battery for the first time, please make sure the unit is not connected to AC power. Install the battery in the battery holder, then remove the battery and install it back .*
- *This procedure must be done only for the first battery installation .*

DEFAULT SETTINGS SHADED - V130

Address		
Main	DMX Address: xxx	DMX Address
	Decimal Universe: xxxxx	Decimal Universe
	Net: xx	Net
	Sub-Net: xx	Sub-Net
	Universe: x	Universe
	Signal: DMX/Art-Net/sACN	Dmx/Artnet/sACN

Address		
Effect	FollowMain	ON/OFF
	DMX Address: xxx	DMX Address
	Decimal Universe: xxxxx	Decimal Universe
	Net: xx	Net
	Sub-Net: x	Sub-Net
	Universe: x	Universe
	Signal: DMX/Art-Net/sACN	Dmx/Artnet/sACN
Pwr LED pix	FollowMain	ON/OFF
	DMX Address: xxx	DMX Address
	Decimal Universe: :xxxxx	Decimal Universe
	Net: xx	Net
	Sub-Net: x	Sub-Net
	Universe: x	Universe
	Signal: DMX/Art-Net/sACN	Dmx/Artnet/sACN

Mode		
User Mode	Stand Mode	User's mode to change
	Basic Mode	channel numbers
	Extend Ring	
	Extend Pixel	

Options		
Status	No DMX Mode	Close/Hold/Auto	Auto run if no DMX
	Pan Reverse	ON/OFF	Pan Reverse movement
	Tilt Reverse	ON/OFF	Tilt Reverse movement
	Pan Degree	630/540	Pan Degree Select
	Feedback	ON/OFF	Movement Feedback
	Init PAN	ON/OFF	Init PAN
	Init TILT	ON/OFF	Init TILT
	Pan/Tilt Spd	Fast/Medium/Slow	Movement Speed
	Hibernation	OFF, 01M~99M, OFF	Stand by Mode
	DMX Output	ON/OFF	DMX Output
Service PIN	Service PIN	Password = XXX	Service Password "=050"
	RDM UID	Xxxxxx	RDM
	Set IP	xxx.xxx.xxx.xxx	Set IP
	Set Mask	xxx.xxx.xxx.xxx	Set Mask IP
	Reset From Mac	ON/OFF	Reset From Mac
	DHCP	ON/OFF	DHCP
	Cross Load SW	ON/OFF	Cross Load SW
	USB Update	ON/OFF	USB
	Clr Error Info	ON/OFF	Clr Error Info
	Set LED BIN	C14...	LED BIN
Fans Control	Fans Speed	Auto	Fans Speed select
		Stage	
		Silence	
		Super Silence	
	Constant Fans	ON/OFF	Constant Fans
Disp.Setting	Shutoff Time	02~60m 05m	Display shutoff time
	Flip Display	ON/OFF	Reverse 180 degree
	Key Lock	ON/OFF	Key Lock
	DispFlash	ON/OFF	DispFlash
Temp. C/F	Celsius		Temperature switch
	Fahrenheit		between °C / °F
Initial Pos.	PAN =XXX		Initial effect position
Dim Curve	Square Law		Dim Curve
	Linear		
Refresh Select	1.2K		Refresh Select
	2.4K		
	16K		
	25K		
Tungsten Lamp	OFF		Tungsten Lamp
	500W		
	1000W		
	2500W		
	5000W		
Trigger	DMX Value Disp.	PAN......	DMX Value Disp.
	Auto Program	Leader/Alone	Auto Program

Options		
Reset Default	ON/OFF		Restore factory set.
Reset User	Address	DMX address:001-XXX .	DMX address setting
	Mode	Stand Mode	User's mode
		Basic Mode	to change
		Extend Ring	channel numbers
		Extend Pixel	
	Fans Speed	Auto	Fans Speed select
		Stage	
		Silence	
		Super Silence	
	Constant Fans	ON/OFF	Constant Fans

Info		
Time Info.	Current Time Ttl Life Hrs Last Run Hrs LED Hours Timer PIN Clr Last Run	XXXX(Hours) XXXX(Hours) XXXX(Hours) XXXX(Hours) Password = XXX ON/OFF
Temp. Info	xxx ° C/ ° F	XXX ° C/ ° F
Fan Info.	xxxx RPM	Fan information
Software Ver	V1.0......	Software version
Network	IP, Mask, Mac	Network
Error Info.	Error Record 1 .	Error Info.

Test		
Home	All Pan&Tilt Zoom	All Pan&Tilt Zoom
Test Channel	PAN	Test function
Manual Ctrl.	PAN = XXX .	Fine adjustment of the lamp
Calibration	–Password– PAN .	Password "050" Calbrate and adjust the effects to standard/right position

Preset		
Select Prog.	Prog. Part 1 = Program 1 ~ 10 Program 1 Prog. Part 2 = Program 1 ~ 10 Program 2 Prog. Part 3 = Program 1 ~ 10 Program 3	Select programs to be run
Edit Prog.	Program 1 : Program 10	Program Test Step 01=SCxxx Step 64=SCxxx	Testing program Program in loop Save and exit
Edit Scenes	Edit Scene 001 ~ Edit Scene 250	Pan,Tilt,...... --Fade Time-- --Scene Time-- Input By Outside	Save and automatically return manual scenes edit
Scenes Input	XX~XX		Scenes Input

9.1 › ADDRESS

9.1.1. Address
With this function, you can adjust the DMX address, the Universe and the selection of the control signal.

9.1.2. Effect
With this function, you can adjust the DMX address, the Universe and the selection of the control signal.

9.1.3. Pwr LED pix
With this function, you can adjust the DMX address, the Universe and the selection of the control signal.

9.2 › MODE

9.2.1. User Mode
With this function, you can choose user defined channel orders.

9.3 › OPTIONS

9.3.1. Status

No DMX Status
With this function, you can choose the unit behavior in case no signal is detected between Close (all dmx value to 0), Hold (keep the last dmx value), and Auto (start auto mode).

Pan Reverse

With this function you can reverse the Pan-movement.

Tilt Reverse
With this function, you can reverse the Tilt-movement.

Pan Degree
With this function, you can select the total Pan degree range between 630 or 540.

Feedback
This function allows you to activate or deactivate the automatic repositioning of the Pan & Tilt in case of an accidental/manual move of the yoke.

Init PAN
This function allows you to deactivate the Pan movement.

Init TILT
This function allows you to deactivate the Tilt movement.

Pan/Tilt Spd
With this function, you can select Pan & Tilt speed from "Fast", "Medium" and "Slow".

Hibernation
The device and stepper motors will be powered off if the unit stays without DMX signal for the User defined times (in Minutes). The fixture will perform a reset sequence once DMX is back .

DMX Output
With this function, the unit can transmit the signal received via ArtNet/sACN through the DMX output.

9.3.2. Service PIN

Password
The Password for this function is "050".

RDM UID
With this function, you can display the RDM UID of the Unit.

Set IP
This function allows you to set the IP of the Unit.

Set Mask
This function allows you to set the IP Mask of the Unit.

Reset From Mac
This function allows the Unit to take its IP automatically using its Mac address.

DHCP.
This function allows you to enable or disable the DHCP

Cross Load SW
This function allows you to upload the current SW version to other units using a DMX connection. Do not disconnect the units before the process is complete.

USB Update
This function allows you to update the fixture using an usb key connected to the back panel USB Connector.

Clr Error Info
This function allows you to clear the error info list.

Set LED BIN
This function allows you to set the LED BIN of the LED Board.

9.3.3. Fans Control

Fans Speed
With this function, you can set the fans speed. Settings are Auto, Stage, Silence, and Super Silence.
- Auto: The LED module delivers **high** output and the fans ramp up and down depending on the ambient temperature and the temperature of the LED module itself.
- Stage: The LED module delivers **full** output and the fans remain at full speed regardless of the temperature of the LED module.

- Silence: The LED module is limited to **medium** output and the fans rotate at a slower speed.
- Super Silence: The LED module is limited to a **lower** output and the fans rotate at the slowest speed.

For specific output details, refer to photometry document.

Constant Fans
Enables you to set the fans to run continuously, even when the LED is off .

9.3.4. Disp. Setting

Shut off Time
With this function, you can select the delay before the LCD display turns off. Choose between 2 to 60 minutes. The default is 5 minutes.

Flip Display
With this function you can rotate the display by 180° (when the unit is rigged)

Key Lock
With this function you can activate the automatic key lock function. If this function is activated. the keys will be locked automatically after exiting the edit mode for 15 seconds. keeping press the ‹MODE/ESC› key for 3 seconds if you do not need this function.

DispFlash
With this function activated, display will flash if no signal is detected.

9.3.5 Temperature C/F
With this function you can display the temperature in Celsius or Fahrenheit.

9.3.6. Initial Pos.
With this function you can display initial effect position.

9.3.7. Dim Curve
With this function you can select the Dimmer Curve.
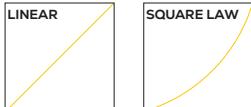
9.3.8. Refresh Select
With this function you can select the PWM rate.
- 1.2K & 2.4: provides superior dimming quality, especially for smooth fadeouts at lower levels
- 16K & 25K: are ideal for broadcast use

9.3.10. Tungsten Lamp
Provides a selection of tungsten emulation modes to replicate traditional lamp behavior. Available options: OFF, 500 W, 1000 W, 2500 W, and 5000 W. This affects dimming only, not colour shift.

9.3.11. Trigger

DMX Value Disp.
With this function you can display the DMX 512 value of each channel. The display automatically shows the channel with a value changing.

Set to Alone
With this function, you can define the device as Alone.

Auto Program
With this function. you can run the internal program. You can select the desired program under "**Select program**". You can set the number of steps under "**Edit program**" . You can edit the individual scenes under "**Edit scenes**". With this function. you can run the individual scenes either automatically. i.e. with the adjusted Step–Time.

9.3.12. Reset Default

With this function. you can select restore factory set for ON or OFF. the default is OFF.

9.3.13. Reset User
With this function, you can define the following "restore user" values:
- Address
- Mode
- Fans Speed
- Constant Fans

9.4 › INFO
9.4.1. Time Info.

Current Time
With this function. you can display the temporary running time of the device from the last power on. The display shows "XXXX". "XXXX" stands for the number of hours. The counter is reset after turning the device off.

Ttl Life Hrs
With this function. you can display the running time of the device. The display shows "XXXX". "XXXX" stands for the number of hours.

Last Run Hrs
With this function. you can display last the running time of the device. The display shows "XXXX". "XXXX" stands for the number of hours.

LED Hours
With this function. you can display the time of LED. The display shows "XXXX". "XXXX" stands for the time of LED.

Timer PIN
With this function. you can display the timer password.

Clr Last Run
With this function. you can clear last run time of the fixture. The display shows "ON" or "OFF". Press "Enter" to confirm.

9.4.2. Temp.Info
With this function you can display the different temperature of the fixture.
- L: Light engine
- B: Base
- H: Head

9.4.3. Fan Info.
With this function, you can display all the fan speed values available in the unit.

9.4.4. Software Ver
With this function, you can display the software version of the device.

9.4.5. Network
With this function, you can display the Network information.

9.4.6. Error Info
With this function, you can Read the error record of the Unit.

9.5 › TEST
9.5.1. Home
With this function you can reset the device. You can select which functions you want to reset by using the submenu.

9.5.2. Test Channel
With this function you can test each channel's function to ensure correct operation.

9.5.3. Manual Control
Allows you to manually control each feature of the unit

9.5.4. Calibration
With this function. you can calibrate and adjust the effect wheels to their correct positions. The password of calibrate values is 050.

9.6 › PRESET
Run the auto program: A main fixture can output to three different program signals to the follow fixture to operate. It means the host will send cyclically in the following orders (The host will keep operating the program of Part 1) .Then the follow fixture will make the selectively receiving according to its own set.

Auto Pro Part 1	Auto Pro Part 2	Auto Pro Part 3	Auto Pro Part 1	Auto Pro Part 2	Auto Pro Part 3	Auto Pro Part 1	Auto Pro Part 2	Auto Pro Part 3
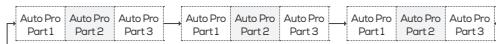
- If the follow fixture chooses Run For Follow 1 from the menu of 1-3,then it will receive the part 1's automatic program from link, in the same way, when the follow fixture chooses Run For Follow 2, then it will receive the part 2's automatic program from link.
- Enter the menu of 1-3 Function Mode---Set To Follow. Here to set machine operate which part of the program during the host-follow connection
- Enter the menu of 1-4, 1-5 Function Mode---Set To Main
- Enter the menu of 8-1 Edit Program---Auto Program Part1. The host outputs three groups driven program---Part1, Part2, Part3 (Part1 program runs the same effect as the host)
- Enter the menu of 8-2 Edit Program---Edit Program. Edit the program's connection, connect the scene in order
- The editor of the scene, there are as many as 250 scenario editors, and every scene can have a program connection of 10.

Note:
Part 2, Part 3 repeat in accordance with the Part1's repeat. For example: When Part 1 uses Program 2, Part 2 uses Program 4, Part 3 uses Program 6, Assume:Program 2 includes scene of 10, 11, 12, 13. Program 4 includes scene of 8, 9, 10; Program 6 includes scene of 12, 13, 14, 15. Then it will run as below.

Example:
Part 1:

Scene 10	Scene 11	Scene 12	Scene 13

Part 2:

Scene 8	Scene 9	Scene 10	Scene 8

Part 3:

Scene 12	Scene 13	Scene 14	Scene 15

9.7 › SHORTCUT MENU

9.7.1. Flip display
With this function you can rotate the display by 180° (when the unit is rigged)

9.7.2. Restore Factory
With this function, you can restore default setting (highlighted value in the above chart).

9.7.3. Restore User
With this function, you can restore User settings (Setting can be edit under Options/Reset User Set).

9.7.4. Rst DMX addr 1
With this function you can only set the address to 1.

10. 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.

Link to download the application: https://qrstud.io/ayrtonnfc

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.*

11. DMX PROTOCOL
Scan the QR code on the cover page to download the DMX CHART.

12. ERROR MESSAGES
When you turn on the device, it will first perform a reset. The display may show "Err channel is XX" should there be problems with one or more functions. "XX" stands for channel 1, 2, 3, 4, 5, 6 etc whose sensor has encountered a problem. For example, when the display shows "Err channel is Pan movement", it means there is an error on channel 1. If there are errors on channel 1, channel 3, channel 8 at the same time, you may see the error message, "Err channel is Pan movement", "Err channel is Tilt movement", "Err channel is Shutter", flash twice, and then the device will generate a second reset. If the error messages persist after performing a reset more than twice, the channels which have errors may not work properly however, all other functions can work as usual. Please contact your dealer or manufacturer for service. Self repair is not allowed.

PAN- movement Er
(PAN- yoke movement error) This message will appear after the reset of the fixture if the yoke's magnetic-indexing circuit malfunction (Optical Sensor or Magnetic Sensor fails) or the stepper motor is defective (or its driving IC on the main PCB). The PAN-movement is not located in the default position after the reset.

TILT- movement Er
(TILT- head movement error) This message will appear after the reset of the fixture if the head's magnetic-indexing circuit malfunctions ((Optical Sensor or Magnetic Sensor fails)) or the stepper motor is defective (or its driving IC on the main PCB). The TILT-movement is not located in the default position after the reset.

Zoom wheel Er
(Zoom wheel error) This message will appear after the reset of the fixture if the head's magnetic-indexing circuit malfunctions (Optical Sensor or Magnetic Sensor fails) or the stepper motor is defective (or its driving IC on the main PCB). The Zoom -movement is not located in the default position after the reset.

13. CLEANING AND MAINTENANCE
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.

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.

CAUTION

Disconnect from mains before starting maintenance operation

In order to ensure the device remains in good condition and does not fail prematurely, we suggest regular maintenance.

- Clean the inside and outside lens each week to avoid loss of output due to accumulation of dust/ dirt on the lens.
- Clean the fans each week to ensure maximum airflow and efficient thermal cooling.This will ensure the light source is operated in the best possible condition.
- A detailed electrical check by an approved electrician every quarter to make sure that the circuit contacts are in good condition.This will prevent poor circuit contacts and the resultant overheating.

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 deale

AYRTON

Digital Lighting

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