User manual

AURA PLUS

Moving head wash

Ver. 1.0

Table content

Congratulation for choosing INVOLIGHT AURA PLUS. With this device you become an owner of a professional moving head wash with our latest technology. In order to make your AURA PLUS long lasting, please read these instructions carefully before operation. If you have any questions, please contact your local INVOLIGHT dealer.

Part 1: Warnings:

1.1 Meaning of the safety symbols and signal words

DANGER!
A combination of this signal word and a symbol indicates an imminently hazardous situation that leads to death or serious injury if not avoided.

WARNING!
A combination of this signal word and a symbol indicates an imminently hazardous situation that can lead to death or serious injury if not avoided.

CAUTION!
A combination of this signal word and a symbol indicates an imminently hazardous situation, which can lead to minor injuries if not avoided.

NOTE!
A combination of this signal word and a symbol indicates a directly dangerous situation, which can lead to material and environmental damage if not avoided.

Warning of a hazard.

Warning of dangerous voltage.

Earth before use.

General prohibition sign.

Disconnect the mains plug before opening.

1.2 Safety instructions:

This information sheet contains important information of safety operation of the device. Ensure that this information is available to all persons using this device.

The rating plate is located on the bottom of the product.

Please read all warnings and operating instructions carefully before using this unit. Keep this manual for future reference. Please follow all instructions in this manual.

DANGER!

Electric shock due to improper mains connection.
This product corresponds to the protection class I in its design and may only be operated at a socket with protective contact. Use only the supplied power cord to connect. Do not modify the power cord or plug, and check the insulation of the cable regularly for damage. Failure to do so may result in electric shock, fire or life. In case of uncertainties, contact an authorized electrician.

DANGER!

Electric shock due to high voltages inside the device.

The device contains components that are subject to a high electrical voltage. Do not modify or disassemble the unit. There are no user-serviceable components inside the device. Failure to do so may result in electric shock, fire or life.

NOTE!

Disconnection from the mains.

The mains plug is the main disconnect element. Unplug the power cord from the power source. Make sure that the power outlet is close to the unit and is easily accessible.

WARNING!

Operating conditions.

To avoid damage, do not expose the unit to liquids or moisture. If there is a suspicion that liquid may have penetrated into the device, the device must be immediately disconnected from the mains. This also applies if the unit is exposed to high humidity. Even if the device still seems to work, it must be checked by an expert whether the liquid penetration may have been impaired. Reduced insulation can cause fatal electric shocks. Avoid direct sunlight, strong dirt and strong vibrations.

WARNING!

Eye injuries due to high light intensity.

Never look directly into the light source. A direct view into the beam can lead to retinal burns and must be avoided at all circumstances.

WARNING!

Risk of epileptic seizure

Avoid long periods of continuous flashing and, in particular, flash frequencies between 10 and 20 flashes / second, as epileptic seizures can be triggered in susceptible individuals (especially for epileptics)

NOTE!	**Risk of fire.**
(!)	Never cover the unit or the ventilation slots. Do not mount the unit directly next to a heat source. Keep the device away from the fire and heat.

WARNING!	Do not leave the packaging material careless. Plastic films, Styrofoam parts etc. could be a dangerous toy for children!
⚠	

1.3 Intended use.

The INVOLIGHT AURA PLUS is a light unit with colored light effects. It was developed and designed for professional use in the field of event technology - exclusively indoors. The device may only be used by persons with sufficient physical, sensory and mental abilities as well as the appropriate knowledge and experience. Other persons may only use the device if they are supervised or instructed by a person responsible for their safety.

The device is only approved for AC power, 100-240Volt and 50 / 60Hz power supply.

Light effect devices such as AURA PLUS are sensitive and technically advanced devices that must be handled with care. Therefore, avoid shocks and violence during assembly / disassembly and the use of the device.

Install AURA PLUS only in places that are protected from dust, moisture and excessive heat. The approved operating temperature must be in the range -5 ° to + 45 ° Celsius and the relative humidity must not exceed 50% (at + 45 °)! Direct sunlight should be avoided during use and during transport. In the interests of your own safety and those of others, make sure that there are no cables around.

During thunderstorms, the device must be disconnected from the power supply!

Moving heads are generally to be secured with an approved safety rope when suspended!

AURA PLUS is designed only for professional use, if you are familiar with the functions and are familiar with the operation. Only allow other people to work with the device if you are sure they are familiar with the features as well. In most cases, malfunctions are a consequence of a previous maloperation.

Damage resulting from failure to comply with the intended use and instructions given in this manual will void the warranty and may result in consequences such as short-circuit, fire, electric shock, or dropping the device (s). Unauthorized changes to the device are prohibited for security reasons.

The manufacturer is not liable for damage caused by improper installation and insufficient security!

1.4 Package content.

1.
2.
3.
optional
USA   EU   UK
4.
5.
6.
User Manual
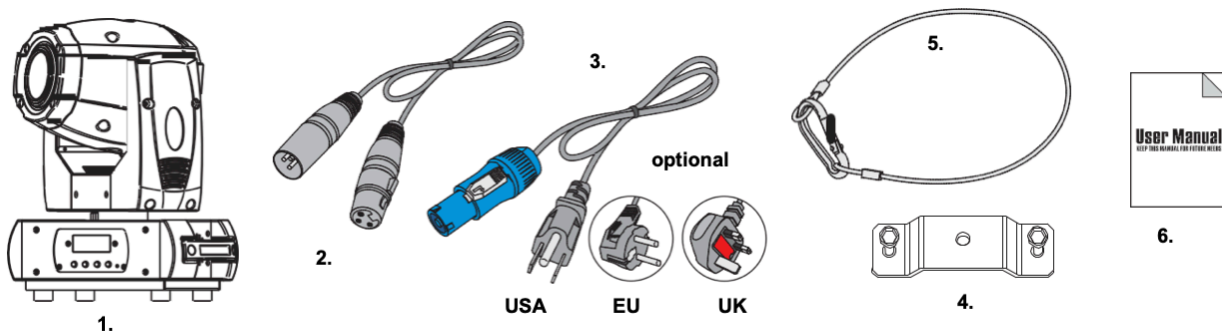
1. Moving Head
2. DMX cable
3. Power cable (EU version)
4. Omega-Clamp
5. Safety rope
6. User manual

# Part 2: Installation.

Unpack the device and carefully check for damages before using it. Place the unit in a suitable place or hang it on a suitable crossbar. For suspended installation, the device must be secured with an approved safety rope. In addition, the mounting bracket must be screwed with the enclosed screws and tightened! Then connect the device to the mains and, if necessary, connect a DMX cable and connect it to other devices or a DMX controller. More about DMX or Master / Slave operation also in part 3 and 4.

During installation, provisions of the BGV C1 (formerly VBG 70) and DIN 15560 must be observed! Authorized specialists may only carry out the installation!

IMPORTANT! Overhead mounting requires a lot of experience. This includes knowledge of the load bearing capacity, the installation material used and the safety inspections of the material and the projector used, but the required experience is not limited to this. If you do not have the appropriate qualification. Instead, commission a professional installer. Incorrect installation may result in personal injury and / or damage to property.

① Omega Bracket
② Satety Clamp
③ Safety Cable
④ 1/4 Turn Quick-Lock Fasteners

1/4 Turn   1/4 Turn
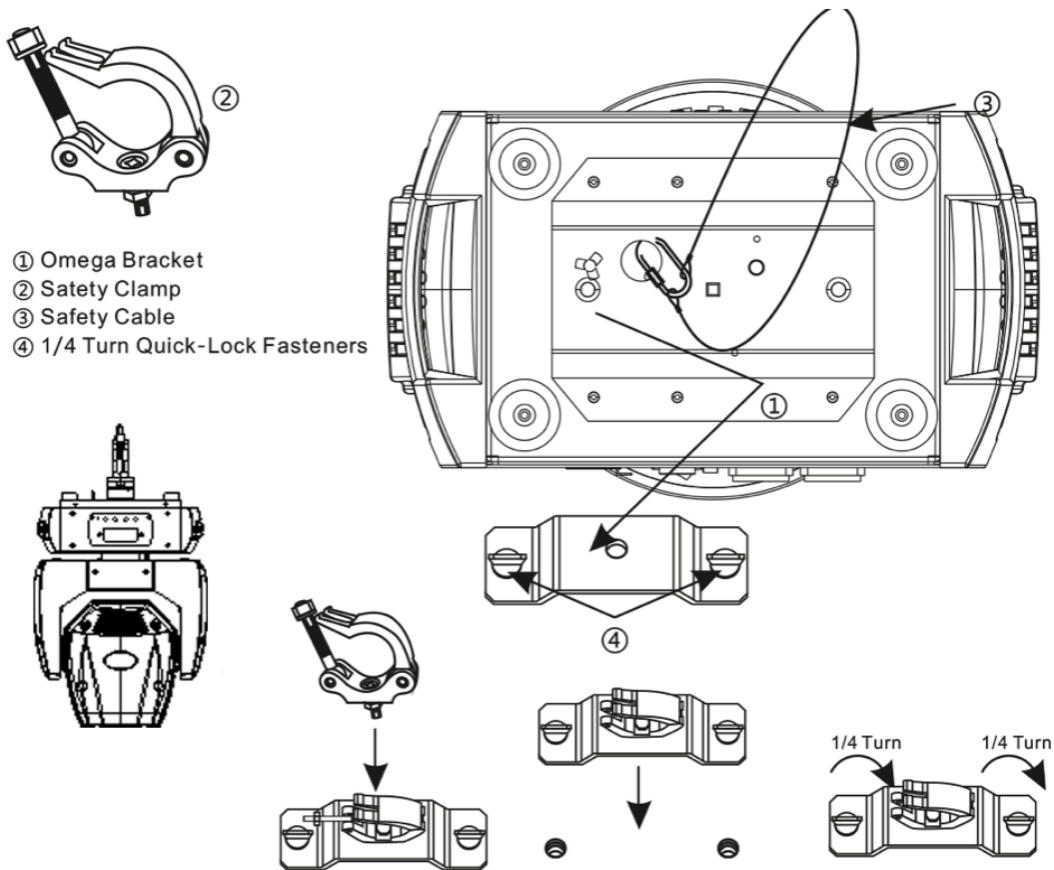
| NOTE!	**Possible damage due to movement of the device.**
(!)	Make sure there is enough room around the device for the movement of the head (pan, tilt).

Part 3. Functions and operations.

3.1 LCD display with 4 buttons:

Connect the AURA PLUS to the mains. The device performs the usual reset procedure. Wait until it's done. The LCD display with 4-button operation is the heart of the AURA PLUS. This can be used to set all functions and modes. Below, the individual functions and modes are listed in tabular form.
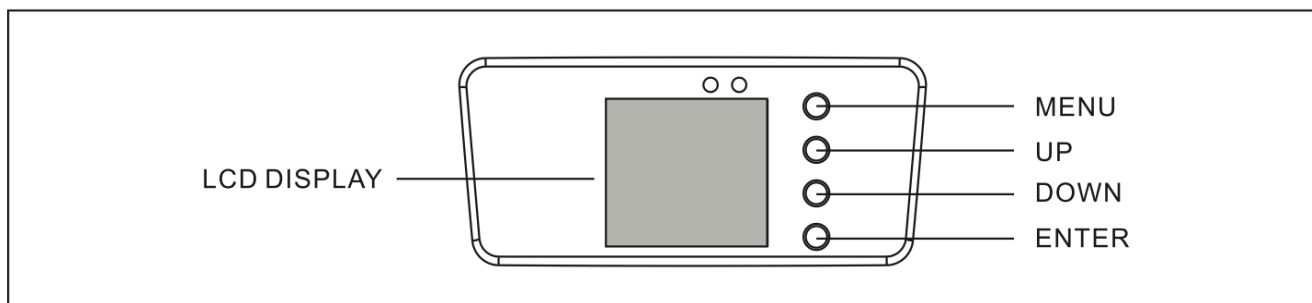
3.2 Menu structure

MENU			DESCRIPTION
Function Mode	Dmx Address	A001-AXXX	DMX address setting
	Channel Mode	CH34	Standard mode
		CH25	Vector mode
		CH82	Extended mode
	Auto Run	Internal Programs 1-8	Internal Program
		Master/Alone	Master/Alone
		Auto Run (ON/OFF)	Auto Run
	Music Control	Internal Programs 1-8	Internal Program
		Master/Alone	Master/Alone
		Music Run (ON/OFF)	Music Run
Option	Reset default	Yes/No	Reset default
	Signal Set	Wire DMX	Wire DMX
		Wireless DMX	Wireless DMX
		ACT WDMX & OUT	ACT WDMX & OUT
	PAN/TILT	Reverse PAN (ON/OFF)	Reverse PAN
		Reverse TILT (ON/OFF)	Reverse TILT
		Select PAN 540°/360°	Select PAN
		Select TILT 180°/90°	Select TILT
	UI SET	Mic sensitivity 0-99%	Mic sensitivity
		OFF Signal Mode (ON/OFF)	OFF is default, ON at reset when no DMX signal
		Fast scan (ON/OFF)	Fast scan
Information	Temperature	XXX °C/°F	Temperature
	Software version	v1.0-v9.9	Software version
Advanced	Reset	Total reset	Reset all channels
		PAN/TILT reset	Reset PAN & TILT
		Focus reset	Reset focus
	Channel	PAN=XXX	Channel control
	Calibration	PAN=XXX	Calibration

3.3 Connections:
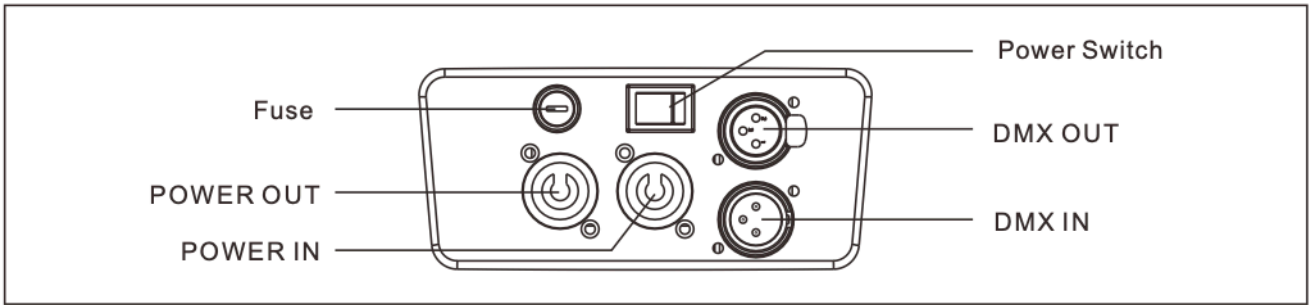
DMX OUT: 3-pin XLR output socket for routing the DMX control signal.
DMX IN: 3-pin XLR input socket for connecting a DMX controller (such as DMX mixer).
POWER IN: Powercon compatible AC power input.
POWER OUT: Powercon compatible mains power output.
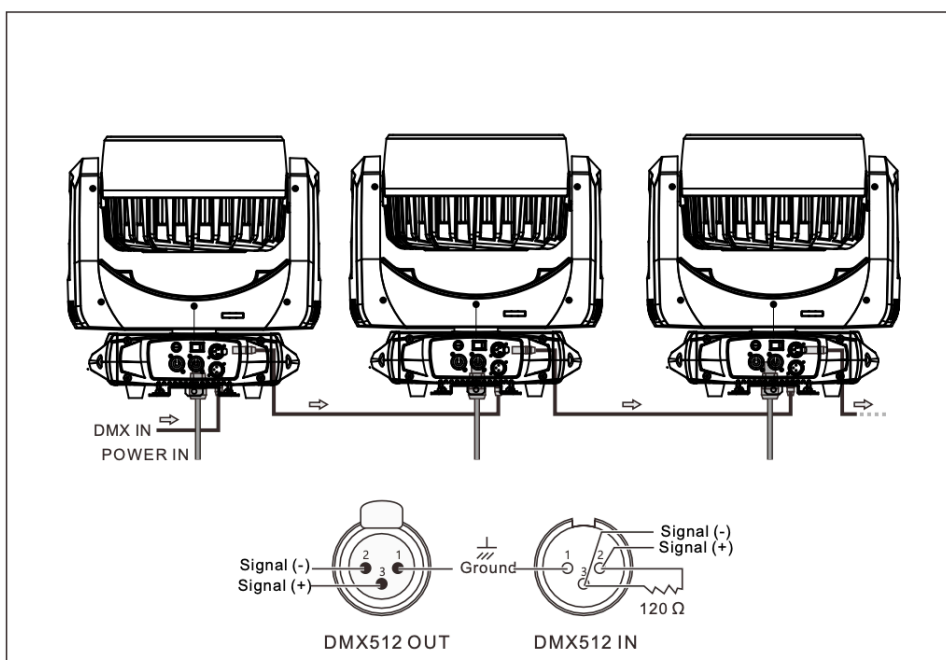**ON/OFF SWITCH: ON**: power is ON. **OFF**: Power is OFF.
FUSE holder F4A 250V.

When changing the fuse, always disconnect the mains plug and only use the specified fuse types!

A POWERCON compatible wiring

Color	Pin	International
Brown	Phase	L
Blue	Zero	N
Yellow/green	Ground	⏚

Ground must be connected!

3.4 DMX Connections in DMX mode:

An XLR female socket as a DMX output, an XLR male socket as a DMX input.

From a cable length of 300m or to 32 connected DMX devices, the signal should be amplified by a DMX splitter / repeater (eg INVOLIGHT DMXS4, DMXS6 or DMXS8) to ensure error-free data transmission.

IMPORTANT: The last device in a DMX chain should have a terminator connected to terminate the chain. DMX terminators are commercially available, but can also be built yourself. A 120 ohm resistor must be soldered in an XLR plug between the two poles (+ and -).

DMX connectors:

DMX Output 3-Pin XLR Socket   DMX Input 3-Pin XLR Socket

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

COMMON

DMX+

DMX-

DMX512 OUT 3-PIN XLR   DMX512 IN 3-PIN XLR

120 Ω

PIN3
PIN2
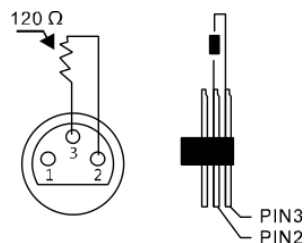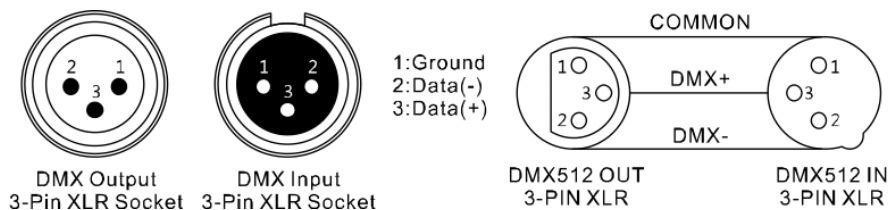
3.5 MASTER-SLAVE mode:

When you configure a group of devices in the "Master / Slave" mode, the first device controls the others and allows an automatic or music-controlled and synchronised show. This feature is especially useful for starting a show without great programming. Connect the DMX output of the master device to the DMX input of the first slave device. Then, connect the DMX output of the first slave device to the DMX input of the second slave device, and so on.

3.6 STAND-ALONE mode:

A AURA PLUS can also be used in stand-alone mode without a DMX controller. Disconnect AURA PLUS from the controller and call the pre programmed program.

Part 4. DMX protocol

A AURA PLUS has 10 and 12 channel modes.

NOTE: Basic knowledge of the DMX512 control standard is required so that the device can be operated and programmed correctly with a DMX controller

Mode/Channel			Function	Value	Description
82	**34**	**25**			
1	1	1	PAN	0 - 255	PAN movement
2	2	2	PAN Fine	0 - 255	PAN Fine movement
3	3	3	TILT	0 - 255	TILT movement
4	4	4	TILT Fine	0 - 255	TILT Fine movement
5	5	5	PAN/TILT Speed	0 - 225	PAN/TILT speed from fast to slow
				226 - 235	Blackout by movement
				236 - 255	no function
6	6	6	Dimmer	0 - 255	Dimmer 0% - 100%
7	7	7	Strobe	0 - 31	no strobe (shutter closed)
				32 - 63	no strobe (shutter open)
				64 - 95	Strobe effect from slow to fast
				96 - 127	no strobe (shutter open)
				128 - 159	Pulsing strobe effect from slow to fast
				160 - 191	no strobe (shutter open)
				192 - 223	Random strobe effect from slow to fast
				224 - 255	no strobe (shutter open)
8	8	8	Red	0 - 255	Red 0% - 100%
9	9	9	Green	0 - 255	Green 0% - 100%
10	10	10	Blue	0 - 255	Blue 0% - 100%
11	11	11	White	0 - 255	White 0% - 100%
12	12	12	Zoom	0 - 225	Zoom
				0	no function
				1 - 13	Red
				14 - 27	Green
				28 - 41	Blue
				42 - 55	White
				56 - 69	Red + White
				70 - 83	Green + White
				84 - 97	Blue + White
				98 - 111	Green + Blue
				112 - 125	Red + Blue

				126 - 139	Red + Green
13	13	13	Virtual color	140 - 153	Green + Blue + White
				154 - 167	Red + Blue + White
				168 - 181	Red + Green + White
				182 - 195	Red + Blue + Green + White
				196 - 202	2700K
				203 - 209	3200K
				210 - 216	3500K
				217 - 223	5000K
				224 - 230	5500K
				231 - 237	6000K
				238 -244	6500K
				245 - 251	7000K
				252 - 255	8000K
14	14	14	Color temperature	0 - 15	no function
				16 - 45	Below 3200K
				46 - 75	3200K - 3500K
				76 - 105	3500K - 5000K
				106 - 135	5000K - 5500K
				136 - 165	5500K - 6000K
				166 - 195	6000K - 6500K
				196 - 225	6500K - 7000K
				226 - 255	7000K - 8000K
15	15	15	Visual Tungsten lamp	0 - 15	no function
				16 - 255	Tungsten lamp effect gradually enhanced
16	16		Foreground color for patterns	0	no function
				1 - 13	Red
				14 - 27	Green
				28 - 41	Blue
				42 - 55	White
				56 - 69	Red + White
				70 - 83	Green + White
				84 - 97	Blue + White
				98 - 111	Green + Blue
				112 - 125	Red + Blue
				126 - 139	Red + Green
				140 - 153	Green + Blue + White
				154 - 167	Red + Blue + White

				168 - 181	Red + Green + White
				182 - 195	Red + Blue + Green + White
				196 - 202	2700K
				203 - 209	3200K
				210 - 216	3500K
				217 - 223	5000K
				224 - 230	5500K
				231 - 237	6000K
				238 -244	6500K
				245 - 251	7000K
				252 - 255	8000K
17	17	17	Foreground dimmer	0 -255	Foreground dimmer 0% - 100%
18	18		Background color for patterns	0	no function
				1 - 13	Red
				14 - 27	Green
				28 - 41	Blue
				42 - 55	White
				56 - 69	Red + White
				70 - 83	Green + White
				84 - 97	Blue + White
				98 - 111	Green + Blue
				112 - 125	Red + Blue
				126 - 139	Red + Green
				140 - 153	Green + Blue + White
				154 - 167	Red + Blue + White
				168 - 181	Red + Green + White
				182 - 195	Red + Blue + Green + White
				196 - 202	2700K
				203 - 209	3200K
				210 - 216	3500K
				217 - 223	5000K
				224 - 230	5500K
				231 - 237	6000K
				238 -244	6500K
				245 - 251	7000K
				252 - 255	8000K
19	19		Background dimmer	0 -255	Background dimmer 0% - 100%
				0 - 15	no function

				16 - 31	Static patterns
				32 - 46	Dynamic scene 1
				47 - 61	Dynamic scene 2
				62 -76	Dynamic scene 3
				77 - 91	Dynamic scene 4
				92 - 106	Dynamic scene 5
				107 - 121	Dynamic scene 6
20	20		Patterns	122 - 136	Dynamic scene 7
				137 - 151	Dynamic scene 8
				152 - 166	Dynamic scene 9
				167 - 181	Dynamic scene 10
				182 - 196	Dynamic scene 11
				197 - 211	Dynamic scene 12
				212 - 226	Dynamic scene 13
				227 - 241	Dynamic scene 14
				242 - 255	Dynamic scene 15
21	21		Static patterns or dynamic pattern speed		
			Static patterns if channel 18 is in the interval 16 - 31	0 - 17	Static scene 1
				18 - 35	Static scene 2
				36 - 53	Static scene 3
				54 - 71	Static scene 4
				72 - 89	Static scene 5
				90 - 107	Static scene 6
				108 - 125	Static scene 7
				126 - 143	Static scene 8
				144 - 161	Static scene 9
				162 - 179	Static scene 10
				180 - 197	Static scene 11
				198 - 215	Static scene 12
				216 - 233	Static scene 13
				234 - 251	Static scene 14
				252 - 255	Static scene 15
			Dynamic patterns if channel 18 is in the interval 32 - 255	0 - 23	no function
				24 - 137	Forward speed from 0 to fast
				138 - 141	Stop movement
				142 - 255	Reverse speed from 0 to fast
22	22	16	Pixel Dimmer	0 - 255	Pixel dimmer 0% - 100%
23	23	17	Pixel Strobe	0 - 255	Pixel strobe speed from slow to fast

24	24		Pixel RED	0 - 255	RED pixel dimmer 0% - 100%	
25	25		Pixel GREEN	0 - 255	GREEN pixel dimmer 0% - 100%	
26	26		Pixel BLUE	0 - 255	BLUE pixel dimmer 0% - 100%	
27	27	18	Pixel color	0	no function	
				1-15	Red	
				16 - 31	Green	
				32 - 47	Blue	
				48 - 63	Red + Blue	
				64 - 79	Red + Green	
				80 - 95	Green + Blue	
				96 - 111	Red + Green + Blue	
				112 - 127	2700K	
				128 - 143	3200K	
				144 - 159	3500K	
				160 - 175	5000K	
				176 - 191	5500K	
				192 - 207	6000K	
				208 - 223	6500K	
				224 - 239	7000K	
				240 - 255	8000K	
28	28	19	Pixel macro	0-15	no function	
				16 - 31	Pixel dynamic scene 1	
				32 - 47	Pixel dynamic scene 2	
				48 - 63	Pixel dynamic scene 3	
				64 - 79	Pixel dynamic scene 4	
				80 - 95	Pixel dynamic scene 5	
				96 - 111	Pixel dynamic scene 6	
				112 - 127	Pixel dynamic scene 7	
				128 - 143	Pixel dynamic scene 8	
				144 - 159	Pixel dynamic scene 9	
				160 - 175	Pixel dynamic scene 10	
				176 - 191	Pixel dynamic scene 11	
				192 - 207	Pixel dynamic scene 12	
				208 - 223	Pixel dynamic scene 13	
				224 - 239	Pixel dynamic scene 14	
				240 - 255	Pixel dynamic scene 15	
29	29	20	Pixel macro speed	0 - 255	Pixel macro speed from slow to fast	
				0-15	no function	

				16 - 31	Pixel dynamic scene 1
30	30	21	Expand patterns	32 - 47	Pixel dynamic scene 2
				48 - 63	Pixel dynamic scene 3
				64 - 79	Pixel dynamic scene 4
				80 - 95	Pixel dynamic scene 5
				96 - 111	Pixel dynamic scene 6
				112 - 127	Pixel dynamic scene 7
				128 - 143	Pixel dynamic scene 8
				144 - 159	Pixel dynamic scene 9
				160 - 175	Pixel dynamic scene 10
				176 - 191	Pixel dynamic scene 11
				192 - 207	Pixel dynamic scene 12
				208 - 223	Pixel dynamic scene 13
				224 - 239	Pixel dynamic scene 14
				240 - 255	Pixel dynamic scene 15
31	31	22	Pixel expand patterns foreground dimmer	0 -255	Pixel expand patterns foreground dimmer 0% -100% Foreground color share with pixel macro channel
32	32	23	Pixel expand patterns background dimmer	0 -255	Pixel expand patterns background dimmer 0% -100%
33	33	24	Pixel background color	0	no function
				1-15	Red
				16 - 31	Green
				32 - 47	Blue
				48 - 63	Red + Blue
				64 - 79	Red + Green
				80 - 95	Green + Blue
				96 - 111	Red + Green + Blue
				112 - 127	2700K
				128 - 143	3200K
				144 - 159	3500K
				160 - 175	5000K
				176 - 191	5500K
				192 - 207	6000K
				208 - 223	6500K
				224 - 239	7000K
				240 - 255	8000K
34			RED in pixel 1	0 - 255	RED in pixel 1 saturation control 0% - 100%
35			GREEN in pixel 1	0 - 255	GREEN in pixel 1 saturation control 0% - 100%
36			BLUE in pixel 1	0 - 255	BLUE in pixel 1 saturation control 0% - 100%

37			WHITE in pixel 1	0 - 255	WHITE in pixel 1 saturation control 0% - 100%
38			RED in pixel 2	0 - 255	RED in pixel 2 saturation control 0% - 100%
39			GREEN in pixel 2	0 - 255	GREEN in pixel 2 saturation control 0% - 100%
40			BLUE in pixel 2	0 - 255	BLUE in pixel 2 saturation control 0% - 100%
41			WHITE in pixel 2	0 - 255	WHITE in pixel 2 saturation control 0% - 100%
42			RED in pixel 3	0 - 255	RED in pixel 3 saturation control 0% - 100%
43			GREEN in pixel 3	0 - 255	GREEN in pixel 3 saturation control 0% - 100%
44			BLUE in pixel 3	0 - 255	BLUE in pixel 3 saturation control 0% - 100%
45			WHITE in pixel 3	0 - 255	WHITE in pixel 3 saturation control 0% - 100%
46			RED in pixel 4	0 - 255	RED in pixel 4 saturation control 0% - 100%
47			GREEN in pixel 4	0 - 255	GREEN in pixel 4 saturation control 0% - 100%
48			BLUE in pixel 4	0 - 255	BLUE in pixel 4 saturation control 0% - 100%
49			WHITE in pixel 4	0 - 255	WHITE in pixel 4 saturation control 0% - 100%
50			RED in pixel 5	0 - 255	RED in pixel 5 saturation control 0% - 100%
51			GREEN in pixel 5	0 - 255	GREEN in pixel 5 saturation control 0% - 100%
52			BLUE in pixel 5	0 - 255	BLUE in pixel 5 saturation control 0% - 100%
53			WHITE in pixel 5	0 - 255	WHITE in pixel 5 saturation control 0% - 100%
54			RED in pixel 6	0 - 255	RED in pixel 6 saturation control 0% - 100%
55			GREEN in pixel 6	0 - 255	GREEN in pixel 6 saturation control 0% - 100%
56			BLUE in pixel 6	0 - 255	BLUE in pixel 6 saturation control 0% - 100%
57			WHITE in pixel 6	0 - 255	WHITE in pixel 6 saturation control 0% - 100%
58			RED in pixel 7	0 - 255	RED in pixel 7 saturation control 0% - 100%
59			GREEN in pixel 7	0 - 255	GREEN in pixel 7 saturation control 0% - 100%
60			BLUE in pixel 7	0 - 255	BLUE in pixel 7 saturation control 0% - 100%
61			WHITE in pixel 7	0 - 255	WHITE in pixel 7 saturation control 0% - 100%
62			RED in pixel 8	0 - 255	RED in pixel 8 saturation control 0% - 100%
63			GREEN in pixel 8	0 - 255	GREEN in pixel 8 saturation control 0% - 100%
64			BLUE in pixel 8	0 - 255	BLUE in pixel 8 saturation control 0% - 100%
65			WHITE in pixel 8	0 - 255	WHITE in pixel 8 saturation control 0% - 100%
66			RED in pixel 9	0 - 255	RED in pixel 9 saturation control 0% - 100%
67			GREEN in pixel 9	0 - 255	GREEN in pixel 9 saturation control 0% - 100%
68			BLUE in pixel 9	0 - 255	BLUE in pixel 9 saturation control 0% - 100%
69			WHITE in pixel 9	0 - 255	WHITE in pixel 9 saturation control 0% - 100%
70			RED in pixel 10	0 - 255	RED in pixel 10 saturation control 0% - 100%
71			GREEN in pixel 10	0 - 255	GREEN in pixel 10 saturation control 0% - 100%
72			BLUE in pixel 10	0 - 255	BLUE in pixel 10 saturation control 0% - 100%
73			WHITE in pixel 10	0 - 255	WHITE in pixel 10 saturation control 0% - 100%
74			RED in pixel 11	0 - 255	RED in pixel 11 saturation control 0% - 100%

75			GREEN in pixel 11	0 - 255	GREEN in pixel 11 saturation control 0% - 100%
76			BLUE in pixel 11	0 - 255	BLUE in pixel 11 saturation control 0% - 100%
77			WHITE in pixel 11	0 - 255	WHITE in pixel 11 saturation control 0% - 100%
78			RED in pixel 12	0 - 255	RED in pixel 12 saturation control 0% - 100%
79			GREEN in pixel 12	0 - 255	GREEN in pixel 12 saturation control 0% - 100%
80			BLUE in pixel 12	0 - 255	BLUE in pixel 12 saturation control 0% - 100%
81			WHITE in pixel 12	0 - 255	WHITE in pixel 12 saturation control 0% - 100%
82	34	25	Special functions	0 - 19	no function
				20 - 29	no function
				30 - 39	no function
				40 - 79	no function
				80 -89	All motor reset
				90 - 94	PAN & TILT motor reset
				95 - 99	Focus motor reset
				100 -119	Internal program 1
				120 - 139	Internal program 2
				140 - 159	Internal program 3
				160 - 179	Internal program 4
				180 - 199	Internal program 5
				200 - 219	Internal program 6
				220 - 239	Internal program 7
				240 - 255	Internal sound active program

Part 5: Troubleshooting.

The device does not work, no light:
Check the mains connection and the main fuse.

No response to the DMX controller:
Check the DMX connectors and cables for correct connection. Check the address settings and the DMX polarity. Check whether the DMX cables are near or next to high voltage cables. Try another DMX controller.

If the instructions given here do not lead to success, please contact your specialist dealer.

Part 6: Maintenance.

Cleaning and maintenance:
It is essential that you clean the projector at regular intervals. Disconnect the device from the mains before maintenance work!
The objective lens should be cleaned on a weekly basis, since fog fluid residues settle very quickly, which considerably reduce the light output of the device.

Clean the fan monthly.

The dichroic color filters, the gobo wheel and the inner lenses should be cleaned on a monthly basis.
In order for the bearings of the rotating parts to work well, they must be lubricated approximately every 6 months.
For oiling use a syringe with a fine needle. The amount of oil must not be excessive to prevent the oil from leaking while rotating.

Maintenance and service work is reserved exclusively for authorized specialist personnel!

Part 7. Technical specifications

MODEL NAME:	AURA PLUS
Product type:	LED moving head
Type:	Wash
LED type and number:	12 x RGBW LEDs + 72 x RGB SMD LEDs
Color spectrum	RGBW
Beam angle:	6° - 60°
DMX input:	XLR 3-PIN male
DMX output:	XLR 3-PIN female
DMX Mode:	25, 34 or 82 channels
PAN movements:	360°/540°/630° 8/16 bit
TILT movements:	90°/180°/270° 8/16 bit
Strobe frequency:	> 20 Hz
Stand alone mode:	Auto Run, Sound Control
Display:	2.4" TFT LCD
Power supply connection:	Powercon compatible INPUT and OUTPUT
Housing:	Metal, ABS
Housing color:	Black (white optional)
Cooling:	Fan
Illuminance:	
Power:	100-240V 50/60Hz
Power consumption:	410W
Dimensions:	395 x 291 x 408 mm
Weight:	15 kg

394,94

292,92

291

180,5

268,5

407,98

102,83

100,4

328,08

254,26
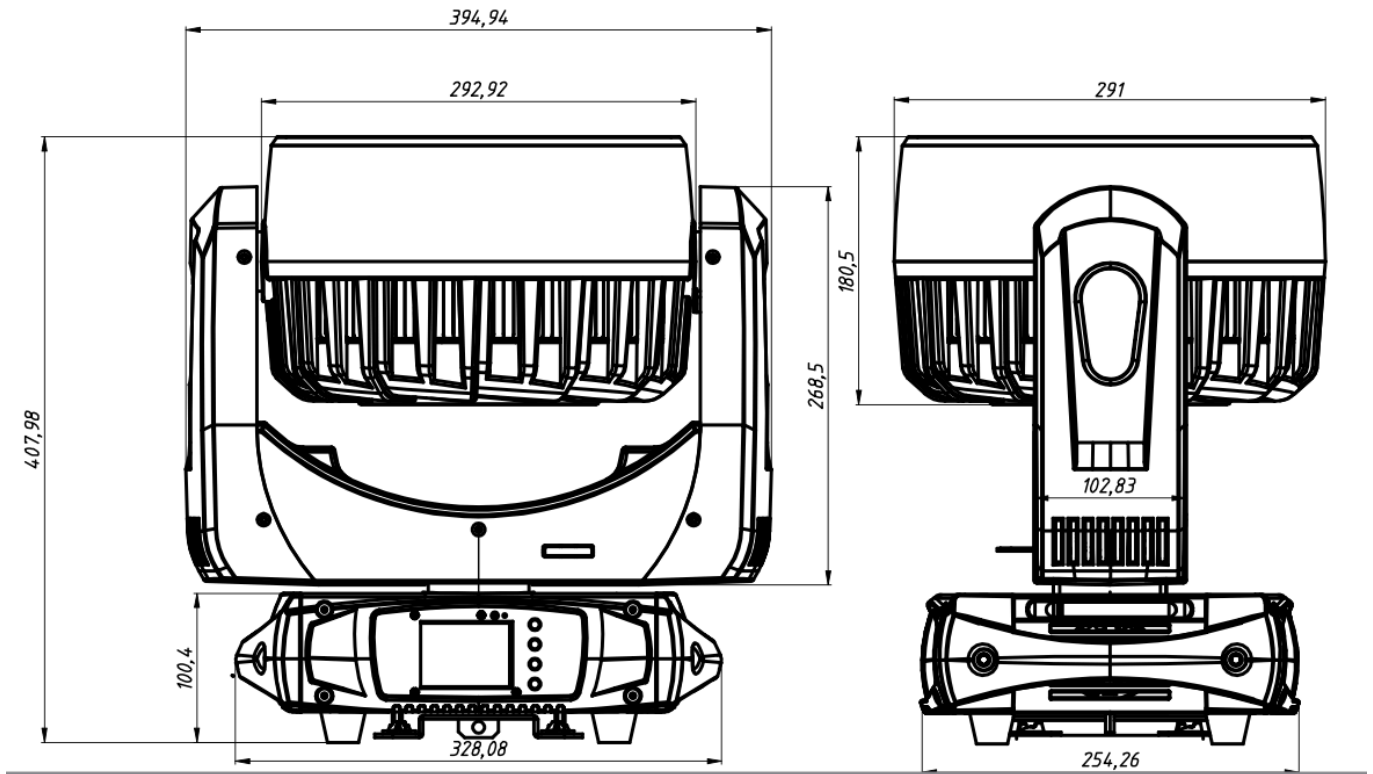
Part 8. Environmental protection.

To all residents of the European Union:

This product is subject to European Directive 2002/96 / EC. Dispose of your old device
not with normal household waste.

This symbol on the product or on the packaging indicates that disposal of this product can damage the environment after its life cycle. Do not dispose of the unit (or used batteries) as unsorted household waste. The unit or used batteries must be disposed of by a specialized company for recycling. This unit must be returned to the dealer or a local recycling company. Respect local environmental regulations.

If in doubt, contact your local authority for disposal instructions.

WEEE-Reg.-Nr. Deutschland: DE91898274

Part 9. WARRANTY:

INVOLIGHT devices are subject to the valid legal warranty provisions. Check with your dealer for the valid warranty conditions. The following conditions apply when purchasing an **INVOLIGHT** product:
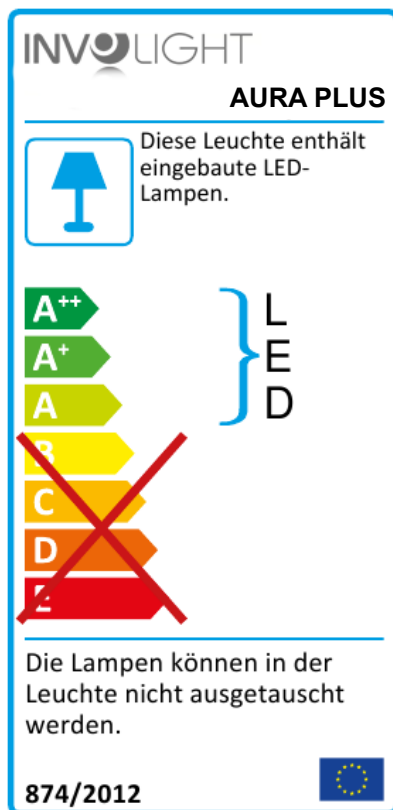Only authorized dealers determined by **INVOLIGHT** may carry out repairs to **INVOLIGHT** devices. The warranty claim expires if an unauthorized service, technician or a private person undertakes a repair attempt or opens the device. Equipment which has a defect within the warranty period may be returned to the authorized seller for the purpose of repair or replacement. In the case of a necessary repair or exchange, please clarify the exact sequence for the return shipment with the seller. If applicable, consult the seller's general terms and conditions for information on warranty procedures. Wear parts are only taken into consideration by the warranty, if these have a defect already when the device is delivered. The guarantee claim does not exist if the device has been destroyed by itself (eg camber or overvoltage). Mechanical defects such as broken switches or housing parts are also excluded from the warranty claim. For any service or repair, please contact the dealer where the device was purchased. He will help you as much as possible.

Stand: 04 / 2020 - Technical and optical changes within the framework of the product improvement are reserved - even without prior notice.
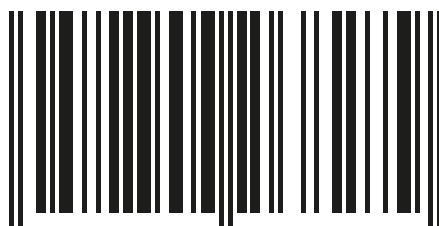
No liability is assumed for printing errors and resulting errors.
If in doubt, consult your **INVOLIGHT** dealer!

Part 10. Declaration of conformity.

The devices marketed by INVGroup Germany GmbH comply with the essential requirements and other relevant specifications of the directives EMC Directive 2014/30 / EU and LVD Directive 2014/35 / EU

INVOLIGHT

AURA PLUS

Diese Leuchte enthält
eingebaute LED-
Lampen.

A++
A+
A
B
C
D
E

L
E
D

Die Lampen können in der
Leuchte nicht ausgetauscht
werden.

874/2012

AURA PLUS

4 052809 268279

INVOLIGHT