

AURA

FLASH 1500D

1500W DMX strobe



User manual

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User manual version: 2.0 Creation date + author initials: 14-11-2013 RV Revision date + author initials: 28-07-2014 RV

Safety instructions



WARNING!



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



WARNING!



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



WARNING!



Be careful with every operation of this device. Touching live wires inside and outside the unit may cause hazardous electrical shocks!

This unit must be operated by, or under the supervision of an adult. This device is not suitable for children.

Every person involved with the installation, operation and maintenance of this device has to:

- Be qualified
- Follow the instructions of this manual
- 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 and consultation.
- To make sure the device maintains in perfect condition and for safe operation, it is necessary for the user to follow the instructions and warning notes of this user manual.
- Damage caused by improper use or modifications to the device are not covered by warranty.
- This device does not have any user-serviceable parts inside. Servicing of this device needs to be done by qualified technicians.

Important notes regarding safety and health:

- Never let the power cord come in contact with other cables. Handle the power cord and all connectors with the mains with caution.
- Never remove any warning or informative labels from the unit
- The ground contact always needs to be connected. Do not cover or remove the ground contact.
- Never leave cables lying around
- Do not open the device and do not modify any hard- or software of this unit.
- Do not insert this object into air vents.
- Do not connect this device to a dimmerpack.
- 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 larger than required to work at full performance.
- Only use this device indoor, avoid contact with water, moist or other liquids. Do not place items filled with liquids on top of the unit.

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- 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 electrical 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 than specified in the manual, do not use defective or bad functioning cables. Contact your dealer when the included or required cables do not work properly with this device.
- When the device has been exposed to large temperature differences (for example, transport from outdoor to indoor), do not connect the device immediately. Do not activate the unit until it has reached room temperature, as moist might build up inside the unit, which may cause shortcuts and/or electrical shocks.

Guidelines and types of use:

- This device is intended to be used by professionals on stage, in theaters, clubs and other equal venues.
- This device is not suitable for children and always needs to 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 moist or dusty environments, or where long-term damage may occur such as:
 - indoor swimming pools where chlorine is used.
 - Beaches, where sand and salt are present.
 - Outdoor, without roof protection
 - Indoor areas where intense heat sources are present or where the temperature exceeds levels which are comfortable for humans.
- Only use the included power adapter 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 collision during use and transport. Do not transport the device while in use. Avoid brute force during the installation and operation of this device.
- Familiarize 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 other ways than described in this user manual may cause damage and injury. Ayra can not be held responsible for any damage or injury caused by improper use.

Storage and transport:

- This device is intended for mobile use. When transported, use the original packaging of the product, or a fitting flightcase, preferably filled with foam.
- This device is not intended for permanent use. Operation breaks will ensure that the lifespan of the device remains unchanged.
- 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 flightcase.
- Store the device indoor, dry and do not expose the device to extreme temperature differences.

Housing:

- Inspect the housing of the device frequently. Severe dents, cracks and missing screws should be avoided at all costs. Do not use the device when 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 when corrosion is found on the fixture
- Every power or signal chassis/connector should be mounted tightly. Do not use the device when connectors are loose.
- Do not use the power cord when the cores are visible. Contact your dealer for a replacement if needed.
- Avoid the buildup of dust and dirt. Clean the exterior of the fixture every month with a dry or damp cloth. When using the device intensively, the cleaning frequency needs to be increased.

Fuses:

- The main fuse of this device is to be found on the rear of the device. In most cases, directly next to the power inlet.
- Only replace a fuse for a new one with the same type and rating! Do not use a fuse with a higher or lower

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rating.

- Do not bridge the fuse with electrical wires, aluminum foil, as the fuse is used for protection against electrical shocks and short circuit.
- Always mount the fuse cover back to the fuse compartment.

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Strobe guidelines



WARNING!



Do not use this device when you, or anybody around you, is oversensitive for intense lighting and flashes. This device is capable of producing intense pulsating light flashes and it is therefore not recommended to use this device near people who suffer from epilepsy as seizures may occur.



WARNING!



This device is equipped with a large glass lens. Transport this fixture very carefully to prevent damage to the glass. Always transport the device in the original packaging, or use a flightcase. Do not use this fixture when the glass is damaged or broken.



WARNING!



Do not use this fixture for a long period of time, as the powerful and bright pulsating beams of light may cause disorientation. Do not use the device longer than 20 seconds when the device is used in (nearly) complete darkness.

Strobe use:

- The lifespan of the tube decreases when the flash rate is increased.
- The lifespan of the tube decreases when the device is transported while the tube is still hot (directly after use).

Box contents

Box contents

1x FLASH 1500D

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! When you suspect that your unit is broken or damaged, contact your local dealer or a certified technician to inspect the unit.
- When your device does not generate any light, do not look directly into the lens. When the fixture suddenly produces a beam, it may cause injury to your eyes.

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Device overview



1. Strobe tube
2. Reflector
3. Ventilation slots
4. Bracket
5. Power cord + Fuse
6. Safety eye
7. Speed adjustment
8. Dimmer adjustment
9. DMX dipswitch panel
10. DMX input
11. DMX output

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Setting up the device

To activate the unit, connect the included power supply to the unit and a suitable 230V, 50 Hz power outlet. The unit will activate directly after it is plugged in to a wall outlet or other power source.

This device is equipped with dipswitches on the rear, to determine the active working mode and/or DMX address.

There are 10 dipswitches, each with their own function. The working modes can be activated by turning the dipswitches on and off in certain combinations.

Auto/manual mode: Dipswitch 10 on, other dipswitches off

DMX mode: Dipswitch 10 off, other dipswitches will determine the DMX-address.

The DMX address is used to place the device on a certain channel in a DMX-chain. This makes controlling the device with a DMX-controller easier.

Set the correct address by using the dipswitches. Every switch has its own value and by combining values, it is possible to choose every address between 1 and 512.

Dipswitch 1:	1
Dipswitch 2:	2
Dipswitch 3:	4
Dipswitch 4:	8
Dipswitch 5:	16
Dipswitch 6:	32
Dipswitch 7:	64
Dipswitch 8:	128
Dipswitch 9:	256

Example: When you wish to turn the fixture to starting address 19, you add the highest numbers possible to select the channel.

When you want to set the device to DMX-address 19, add dipswitch 5, 2 and 1. ($16 + 2 + 1 = 19$)

The FLASH 1500D can be controlled with 2 DMX-channels. Each channel has its own function.

DMX channel 1: Speed 0 – 512 (slow to fast)

DMX channel 2: Dimmer 0 – 512 (0-100%)

Installation and maintenance

Bracket

The FLASH 1500D is equipped with a mounting bracket. This bracket is adjustable in angle for your convenience. Always tighten the knobs on the sides enough, to prevent the bracket from moving during use.

It is possible to mount a hook to the fixture, to install it to a truss structure, lighting stand, ceiling or beam. Attach a half coupler or G-clamp and always use a safety cable when mounting the fixture in a hanging position.

Feet

The FLASH 1500D is equipped with small feet on the bottom, making it possible to place the fixture on a flat surface, such as a table, stage etc. Never block the fan output, never place the fixture on a hot surface to prevent damage and possible injury.

Cleaning

Make sure to clean the exterior of the unit frequently, as the build-up of dust and dirt may have negative effects on the cooling and optics of the fixture.

The exterior of the unit can be cleaned with a damp cloth. The optics of the fixture can be cleaned with a clean cloth or paper towel, with the addition of a non-aggressive glass cleaning solution.

Clean the fan outlet and the cooling vents with a small brush, while using vacuum cleaner suction to remove any loose dust and/or dirt.

Clean the exterior of this fixture once a month. When using this fixture intensively, the frequency of maintenance needs to be increased.

Transport

When using this fixture in mobile setups, provide sufficient protection during transport. Use the original packaging of this unit, or use a professional flightcase with proper foam inlay. This way the electronics, optics and housing are protected against severe shocks, exterior damage and failing electronics.

After use, let the unit cool down for at least 10 minutes. When using DMX, use the 'black out' option on your DMX controller. This way the unit is positioned in a static stand-by mode and the internal fan is able to cool down the internal electronics, which decreases the chance of damage during transport.

Replacing the bulb

There is already a sufficient bulb installed in this feature. The bulb should work when you try the fixture for the first time. If this is not the case, contact your dealer for a replacement or return the product. It is normal that the bulb needs to be replaced when used for a long time, as the lifespan will eventually come to an end. Always use a lamp of the same type and rating to prevent overheating and possible damage to the fixture. Never use a lamp stronger than 1500 Watt. Do not touch the bulb with bare hands as this might have negative influence on the lifespan of the lamp.

To replace the lamp, follow the steps below:

- Remove the four screws, located on the left of the fixture, (seen from the front where the lens and bulb are visible)
- Remove the side panel
- Gently slide the glass panel out of the fixture and place it on a soft surface (for example, a cloth or towel)
- Take out the lamp from its socket and replace it with a new one
- Mount the cover and screws in reverse order

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DMX lighting troubleshooting

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

This troubleshooting section contains 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 lighting 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 can not be activated	Blown fuse	Check the fuse compartment for blown fuses and replace it if necessary.
	No power cable plugged in	Plug in the power supply to a matching power outlet
	Power switch is not in the ON position	Turn on the device by switching the ON/OFF switch to the ON position, if available
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 connection breaks and replace them if necessary.
The fixture does not respond to sound	Wrong working mode selected.	Check if the sound activated mode of the fixture is activated.
	Microphone sensitivity level is set too low	Increase the microphone sensitivity of the built-in microphone
	Speaker placed too far away or lack of bass	Place your lighting effect closer to your speakers (or vice versa) and/or increase low frequency volumes. The microphone will not be triggered with high pitched sounds.
The beam output is very low	Dirty/dusty optics	Clean the lens and/or other optics with a dry or damp cloth
	Dimmer is not set to full output	Set all dimmer levels to 100% on your DMX console
Sometimes the DMX signal is lost and/or some fixtures are flickering / behaving odd sometimes	Faulty/broken DMX cables	Check your DMX cables for possible connection breaks and replace them if necessary.
	Power cable interference on your	Avoid installing the DMX and

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	DMX signal	(high) power cables parallel to each other.
	No DMX terminator	Apply a DMX terminator at the end of your DMX-chain
	Signal loss or distortion in DMX values	Apply a DMX booster in your DMX chain after 32 fixtures or less. 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.

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Technical specifications

- 1500W DMX strobe
- 1500W discharge tube lamp
- Automatic and DMX mode
- built-in speed and dimmer knobs
- 2-channel DMX control (speed, dimmer)
- High quality optics and reflector for optimal strobe effect
- High intensity light pulses fill the room with bright lighting
- Hanging bracket for easy installation to a truss system, light stand, ceiling or beam
- Solid feet for placement on a solid surface (DJ booth, table, stage)
- Input voltage: 230V AC, 50 Hz (110V, 60Hz optional)
- Power consumption: 1500W
- Device Dimensions: 450 x 176 x 223 mm
- Packaging dimensions: 500 x 240 x 280 mm
- Weight: 4.425 kg

Connectors:

- DMX: 3p XLR male and female
- Attached cable with Schuko connector

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Connectors and wiring schematics:

DMX-connections:

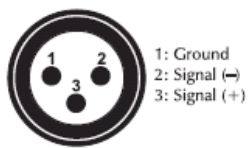
DMX-output

XLR mounting-socket:




DMX-input

XLR mounting-plug:



Electrical wiring:

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

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