



M SPOT 200II

PROFILE 200II SPOTLED



Instruction Manual

Thank you for purchasing this product

Please carefully read this manual before using this moving head.

Responsibility :

On no account the Electroconcept company shall be held responsible for any damages of any nature whatsoever, notably the operating loss, destruction of consumables (tape, disc, CD) or any other financial loss resulting from the use or the impossibility to use your equipment. In addition Electroconcept shall not be held responsible for damages due to an improper use of this product.

Warranty :

Electroconcept products have a 2 years manufacturer warranty. The equipment shall be returned prepaid (at the customer's own expense). Any freight collect will be refused. The equipment shall be returned in its original packaging. The equipment's restitution will be at our own expense.

Are excluded from warranty: damages due to fault, negligence, lack of maintenance by the user (broken, burnt, heated, wet, sandy...etc devices), already installed devices of which the failure would originate from an improper installation or use by the customer.

This manual is an integral part of this product, you will need to keep it during all of your product shelf-life. In the event of cession of your product to a third party, you must also give this manual to this third party.

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1. Safety instructions

Please carefully read these instructions as they include valuable information for installation, operation and maintenance of this device.



● **Warning**

- Keep this manual for future consultations. If you resell your moving head to an other individual, make sure to also give him this manual.
- Unpack and carefully check that the moving head didn't take any damages during the transport before using it.
- Before any connection, make sure that both the voltage and the frequency of your power source match your moving head specifications.
- Check your device as well as your equipment's grounding.
- This device is only meant for indoor use ; protect it from heat and humidity (allowed ambient temperature from 10 to 40°C).
- The moving head must be set up in a ventilated area, at least 50cm away from any adjacent surface. Check that no ventilation hole is blocked.
- Unplug the moving head's power source before any maintenance or handling operation.
- Only replace the fuse by a fuse of the same type.
- In order to avoid any fire hazard, check for any flammable source nearby.
- Use safety cables to secure the moving head. Hold the moving head only by its carrying handles to avoid degradation and risk of injury.
- Switch off the power and let the moving head cool down for about 15 minutes before transport, for the moving head's surface may be hot still.
 - In the event of a serious functioning problem, stop immediately to use the device. Do no ever try to repair the device by yourself. Repairs made by unqualified individuals may cause damages or malfunctions. Contact the nearest approved

technical support center. Always use spare parts of the same type.

- Do not connect the moving head to any dimmer or power pack.
- Do not open the device during operation, high voltage may cause a lethal electric shock.
- In order to prevent or reduce fire or electric shock hazards, do not expose the device to rain or humidity.
- Do not ever touch the led with your bare fingers after use to avoid serious injuries, for the led may be very hot still.
- Do not start the moving head without led to avoid degradation of the box..
- **Replace the box and the lenses if they are visually damaged (for example cracks or deep cuts during transport or handling). This is essential.**
- Do not look straight at the light going out of led when the moving head is switched on.
- In order to prevent any risks of electrical shock you must not remove the cover. There is no useful part for the user inside. Refer the repair to qualified personnel.

installation :

The moving head must be attached via its mounting holes to the support with help of the provided hook. Always make sure the moving head is firmly attached to avoid vibrations and sliding during the operation.. Always make sure the structure to which the moving head is attached is secured and able to bear 10 times the moving head's weight.

2. Technical specifications :

This device do not produce radio interferences. This device meets French and European requirements. Compliance has been established, statements and respective documents have been registered by the manufacturer. This device has been made for indoor decorative lighting effects.

Power Supply : AC 220-250V 50/60Hz

Power : 300 W

Lamp : LED BLANCHE 200W

Shutter/Dimmer : Blackout, DIMMER 0~100%, variable strobe speed and soft transition.

Movement : Pan: 540°

Tilt:270 °

Colors : 9 colors + White

Gobos : 1 wheel with 7 gobos+ rotating whites

1 rwheel with 9 static gobos + white

Prisms: 1 rotating prism with 3 facets

Beam: 1 Zoom 8/30 degrees

1 Frost

1 Electronic focus

Weight/Dimensions: 14,5 Kg / 50X31X25cm

Operating mode :

-DMX control 17 channels/Stand-alone with built-in microphone/ Stand-alone with automatic mode/ Master/Slave mode.

3. Moving head starting up :

3.1. Access to main functions

Control panel:

”MENU“ “▼” “▲” ”ENTER”

Press the “MENU” button to access functions then « ▼ » or « ▲ » to browse through sub-menus, « ENTER » to confirm. “MENU” to go back.

3 operating modes are available : DMX control , Stand-alone/sound mode and Manual mode

Set	RunMode	DMX Stand-alone mode : Auto 1 /Auto 2 / random Sound mode
	DMX Address	DMX address selection from 001 to 512
	Channel mode	Mode selection 17 DMX channels
	Inverse Pan	ON/OFF pan inversion
	Inverse Tilt	ON/OFF tilt inversion
	Pan-Tilt Swap	ON/OFF pan and tilt inversion
	Pan-Tilt encoder	ON/OFF position sensor
	No DMX Signal	Moving head behavior in case of DMX signa loss Keep = keep last received DMX values Clear = DMX values reset
	Linear change of color	ON/OFF color wheel linear rotation
	Load default	Back to factory configuration
Manu	Pan, Tilt, Dimmer,..	Moving head manual setting
Sys	Ver	Firmware version /DMX channel/time since activation/nb of total hours
	Reset Cal	Setting :offset fin upon start, pan/tilt, wheels,,,
	Sensor monitor	Motor position sensors values
	System errors	Indexed system errors
	DMX monitor	Current received DMX values

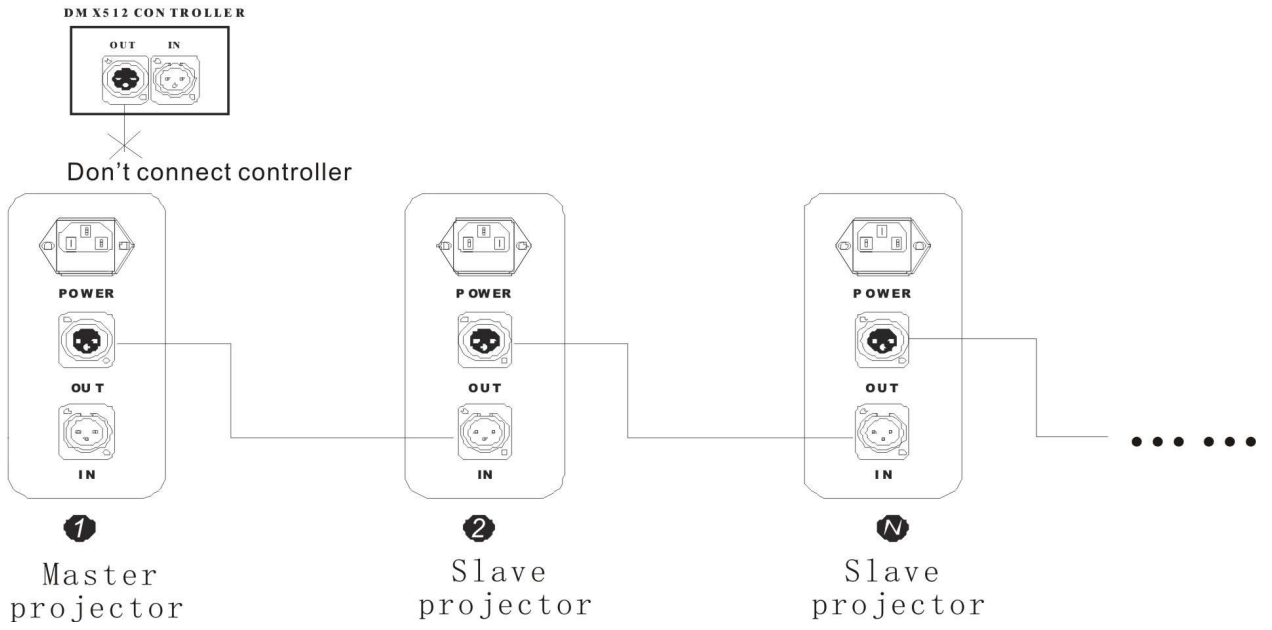
3.2 DMX wiring This device uses 3-pin XRL connectors for the DMX512 connection:

Pin 1 connected to ground, Pin 2 connected to coldspot (-), Pin 3 connected to hotspot (+).

Example : connection between different fixtures in Master/Slave mode:

All fixtures must be at the same DMX address, 1st projector in Auto or Sound mode, following projectors in DMX mode on the same address of the Master projector.

NB : in order to reduce signal errors, think of using a plug a the end of your DMX link.



4.DMX control channels and values 17 channels

CHANNEL	VALUE	FONCTION
1 PAN	0-255	Pan
2 PAN fin	0-255	Pan Fin
3 TILT	0-255	Tilt
4 TILT fin	0-255	Tilt Fin
5 Speed	0-255	Pan/Tilt Speed
6 Shutter/Strobe	0-3	Shutter closed
	4-251	Strobe from slow to fast
	252-255	Shutter open
7 Dimmer	0-255	General dimer
8 Color wheels	0-4	White
	5-9	White + Red
	10-14	Red
	15-19	Red + Green
	20-24	Green
	25-29	Green + Blue
	30-34	Blue
	35-39	Blue + Orange
	40-44	Orange
	45-49	Orange + Purple
	50-54	Purple
	55-59	Purple + Yellow
	60-64	Yellow
	65-69	Yellow + Pale green
	70-74	Pale green
	74-79	Pale green + Cyan
	80-84	Cyan
84-89	Cyan + Pink	
90-94	Pink	
95-99	Pink + White	
100-182	Clockwise rotation from fast to slow	
183-255	Counterclockwise rotation from slow to fast	

9 Gobos wheel1	0-9	White Open
	10-19	Gobo1
	20-29	Gobo 2
	30-39	Gobo 3
	40-49	Gobo 4
	50-59	Gobo 5
	60-69	Gobo 6
	70-79	Gobo 7
	80-89	Gobo 8
	90-99	Gobo 9
	100-104	Gobo 1 shaking from slow to fast
	105-109	Gobo 2 shaking from slow to fast
	110-114	Gobo 3 shaking from slow to fast
	115-119	Gobo 4 shaking from slow to fast
	120-124	Gobo 5 shaking from slow to fast
	125-129	Gobo 6 shaking from slow to fast
	130-134	Gobo 7 shaking from slow to fast
135-139	Gobo 8 shaking from slow to fast	
140-144	Gobo 9 shaking from slow to fast	
145	White Open shaking	
146-200	Counterclowckwise rotation from fast to slow	
201-255	Clockwise rotation from slow to fast	
10 gobo wheel 2	0-9	White Open
	10-19	Gobo 1
	20-29	Gobo 2
	30-39	Gobo 3
	40-49	Gobo 4
	50-59	Gobo 5
	60-69	Gobo 6
	70-79	Gobo 7
	80-89	Gobo 1 shaking from slow to fast
	90-99	Gobo 2 shaking from slow to fast
	100-109	Gobo 3 shaking from slow to fast
	110-119	Gobo 4 shaking from slow to fast
	120-129	Gobo 5 shaking from slow to fast
	130-139	Gobo 6 shaking from slow to fast
	140-149	Gobo 7 shaking from slow to fast
	150-200	Counterclowckwise rotation from fast to slow
	201-255	Clockwise rotation from slow to fast
11 Gobos rotation2	0-127	Gobo angle adjustment
	128-191	Clockwise rotation from fast to slow
	192-255	Counterclowckwise rotation from slow to fast
12 Focus	0-255	Focus from far to near
13 Zoom	0-255	Zoom in/out
14 Prism	0-127	No function
	128-255	3 facets prism

15 Prism rotations	0-127	Prisms angle adjustment
	128-190	Counterclockwise rotation from fast to slow
	191-192	no function
	193-255	Clockwise rotation from slow to fast
16 Frost	0-127	No function
	128-255	Frost effect
17 Reset	0-25	No function
	26-76	Reset : color wheels/gobos/Prism/focus/Zoom
	77-127	Rest : Pan/Tilt
	128-240	General reset
	241-255	No function

5. Troubleshooting

A. The moving head does not work, no lights nor fan :

1. Check the power cord and the main fuse.
2. Check that your electrical system is working.

B. No response to DMX controller

1. A dot must flash on the device control screen. If it's not the case, check if cables are properly connected and in good condition.
2. If the dot flashes, check your addressing as well as the polarity of your DMX wiring.
3. Try an other DMX controller
4. Avoid to lay your DMX cables alongside high-voltage lines to avoid interference.

6. Cleaning

Before any cleaning operation, unplug the moving head power cord in order to avoid any electrocution hazard. Cleaning the optic must be done periodically in order to optimize the moving head's brightness. The cleaning frequency depends on the operating environment. Smoke and dust may cause a large accumulation of dirt upon the moving head's optics :

- Clean it with a soft dry cloth.
- Do not use liquid or detergent products.
- Clean external lenses approximately every 20 days, with a soft dry cloth, without overly pressing on the lenses.

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