

# Media Spinner

ORDERCODE 40169



**SHOWELECTRONICS FOR PROFESSIONALS**

## **Congratulations!**

You have bought a great, innovative product from DMT.

The DMT Media Spinner brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated DMX show, this product provides the effect you need.

You can rely on DMT, for more excellent lighting products.

We design and manufacture professional light equipment for the entertainment industry.

New products are being launched regularly. We work hard to keep you, our customer, satisfied.

For more information: [ivant@dutchmediatools.info](mailto:ivant@dutchmediatools.info)

You can get some of the best quality, best priced products on the market from DMT.

So next time, turn to DMT for more great lighting equipment.

Always get the best -- with DMT !

Thank you!



**DMT Media Spinner™ Product Guide**

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# WARNING

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY  
BEFORE YOUR INITIAL START-UP!**

## Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Your shipment includes:

- DMT Media Spinner
- 1X 3m, 3-pin IEC powercable
- User manual

## Contact Us

### General Information

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## WARNING

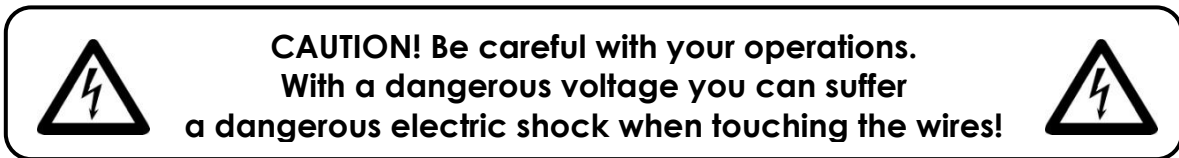


**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY  
BEFORE YOUR INITIAL START-UP!**

## SAFETY INSTRUCTIONS

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

- be qualified
- follow the instructions of this manual



Before your initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

### **IMPORTANT:**

*The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.*

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Never leave any cables lying around.
- Do not insert objects into air vents.
- Do not connect this device to a dimmerpack.
- Do not switch the device on and off in short intervals, as this would reduce the system's life.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use device indoor, avoid contact with water or other liquids.
- Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always make sure that the attached devices (LCD/Plasma, etc) are secured to the Media Spinner.
- Always allow free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.

- Always check that all external covers and rigging hardware are securely fastened.
- Always keep fingers and objects out of the holes in the mounting bracket.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the cable diameter of the extension cords and powercables are sufficient for the current consumption of the device.
- The powercable may not be modified, broken, mechanically strained, pressed together or heated.
- The cable insert or the female part in the device must never be strained. There must always be sufficient cable to the device. Otherwise, the cable may be damaged which may lead to deadly electrical shocks.
- If the external cable is damaged, it has to be replaced by a qualified technician.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power-cord from time to time.
- If the device is obviously damaged, it has to be replaced. So that its functions are not impaired, due to cracks or deep scratches.
- Never hit the device with a hammer or other tools, as this may lead to damages.
- Make sure that this product is recycled at the end of its life to protect our environment.
- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your DMT device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your DMT dealer for service.
- For adult use only. The device must be installed out of the reach of children. Never leave the unit running unattended.
- For replacement use fuses of same type and rating only.
- The user is responsible for correct positioning and operating of the Media Spinner. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- For replacement use fuses of same type and rating only.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

## OPERATING DETERMINATIONS

This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.

The maximum ambient temperature  $t_a$  must never exceed 40° C.

If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.

Any other operation may lead to dangers like short-circuit, burns, electric shock, crash etc.

*You endanger your own safety and the safety of others!*

## Rigging

Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself !

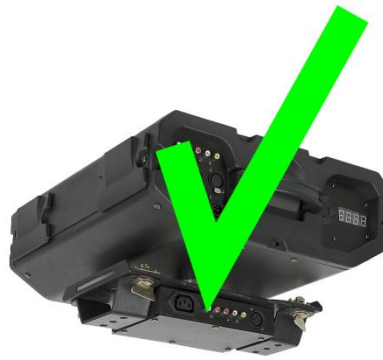
Always let the installation be carried out by an authorized dealer !

### Procedure:

- If the Media Spinner is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the Media Spinner, with the mounting-bracket, to the trussing system.
- The Media Spinner must never be fixed swinging freely in the room.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety-cable.
- When rigging, derigging or servicing the Media Spinner, always make sure, that the area below the installation place is blocked and staying in the area is forbidden.



**Flat surface**



**Upside Down**



**Against a wall**

This fixture must always be mounted horizontally. The base may be set on a flat surface or hanged upside down. However, the base must always be parallel to the floor.


*Improper installation can cause serious damage to people and property !*



## Connection with the mains

Connect the device to the mains with the power-plug.

Always pay attention, that the right color cable is connected to the right place.

<b>International</b>	<b>EU Cable</b>	<b>UK Cable</b>	<b>US Cable</b>	<b>Pin</b>
L	BROWN	RED	YELLOW/COPPER	FASE
N	BLUE	BLACK	SILVER	NUL
	YELLOW/GREEN	GREEN	GREEN	EARTH

Make sure that the device is always connected properly to the earth!

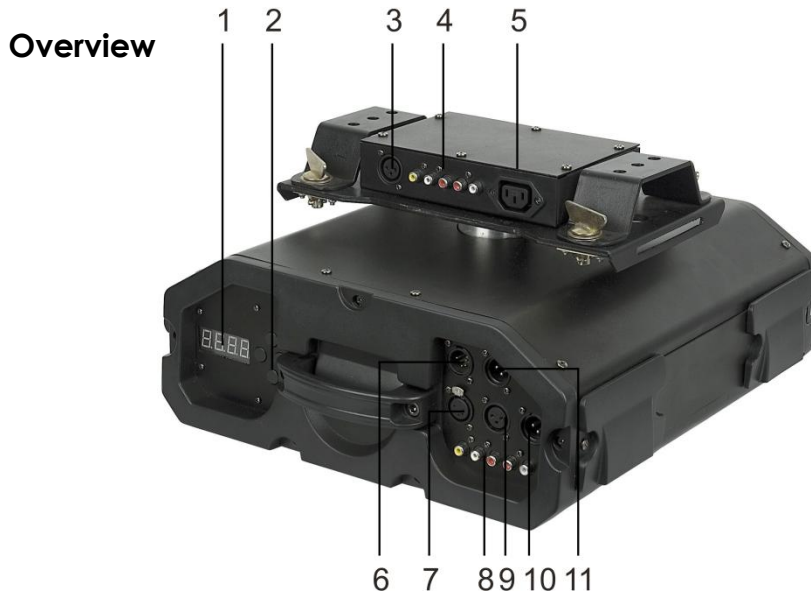


## Description of the device

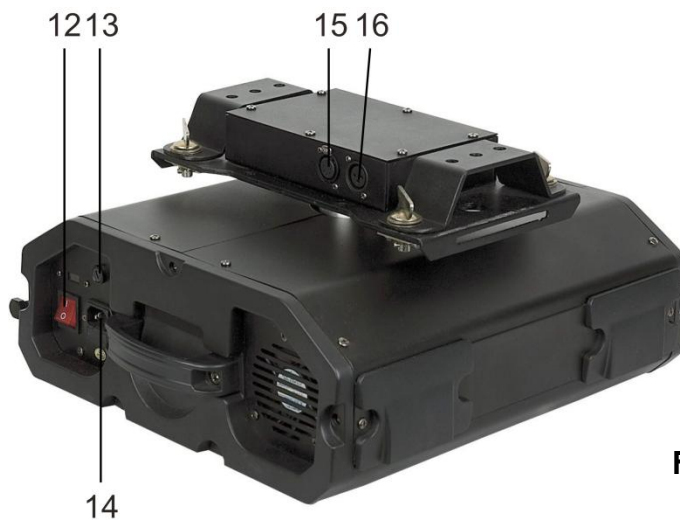
### Features

The DMT Media Spinner is a great multimedia effect.

- 540° pan movement
- DMX-control via standard DMX-controller
- 4 DMX-control channels required
- Maximum Load Capacity Platform : 50 kg



**Fig. 1**



**Fig. 2**

- |  |   |
|--|---|
| <b>1)</b> Display                          | <b>9)</b> 3-pin DMX signal connector (IN)   |
| <b>2)</b> Carrying handle                  | <b>10)</b> XLR In/Out connector             |
| <b>3)</b> XLR In/Out connector             | <b>11)</b> 3-pin DMX signal connector (OUT) |
| <b>4)</b> RCA In/Out connectors            | <b>12)</b> On/Off                           |
| <b>5)</b> IEC power connector              | <b>13)</b> Base Fuse 5A + Platform Fuse 10A |
| <b>6)</b> 5-pin DMX signal connector (IN)  | <b>14)</b> IEC power connector + Fuse       |
| <b>7)</b> 5-pin DMX signal connector (OUT) | <b>15)</b> 5-pin DMX signal connector (OUT) |
| <b>8)</b> RCA In/Out connectors            | <b>16)</b> 3-pin DMX signal connector (OUT) |

## Additional Features

- 3-pin and 5-pin DMX connections on base and platform
- 5 RCA in/out connections capable of up to a 720p signal (individually grounded)
- 1 XLR in/out connection
- DMX pass-through to platform when power is on/off
- IEC and Edison power connectors on platform
- Convenient ¼"-turn fasteners
- Multiple mounting options: Platform plate with mounting slots  
Dual mounting brackets
- Built-in automatic programs via master/slave
- Automatic pan correction
- Micro-stepping motors
- LED display
- 16-bit pan resolution
- Isolated fuses for base and platform
- Fan cooled

Channel	Function
1	Pan
2	Fine Pan
3	Vector Speed
4	Platform Power

## Installation

Follow the directions below, as they pertain to your preferred operation mode.

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

**Always disconnect from electric mains power supply before cleaning.**

**Damages caused by non-observance are not subject to warranty.**

## Set Up and Operation

Follow the directions below, as they pertain to your preferred operation mode.

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

### One Media Spinner

1. Fasten the effect light onto firm trussing (Use a proper clamp fastened onto the Media Spinner ).  
Leave at least 1 meter on all sides for air circulation.
2. Plug one end of the electric mains power cord into the IEC socket on the unit.  
Then plug the other end of the cord into a proper electric power supply socket.
3. Use a 3-p XLR cable to connect the Media Spinner and other devices.

### Occupation of the XLR-connection:

#### DMX-OUTPUT (Female) XLR mounting-socket:



- 1 - Ground
- 2 - Signal (-)
- 3 - Signal (+)
- 4 - Free
- 5 - Free

#### DMX-input (Male) XLR mounting-plug



4. Always use a safety cable.

## Multiple Media Spinners

1. Fasten the effect light onto firm trussing (Use a proper clamp fastened onto the Media Spinner ). Leave at least 1 meter on all sides for air circulation.
2. Use a 3-p XLR cable to connect the Media Spinners and other devices.
3. Always use a safety cable.
4. Link the units as shown in (figure 3), Connect a DMX signal cable from the first unit's DMX "out" socket to the second unit's "in" socket. Repeat this process to link the second, third, and fourth units.
5. Supply electric power: Plug electric mains power cords into each unit's IEC socket, then plug the other end of the mains power cord into proper electric power supply sockets, starting with the first unit. Do not supply power before the whole system is set up and connected properly.

### Multiple Media Spinners Set Up

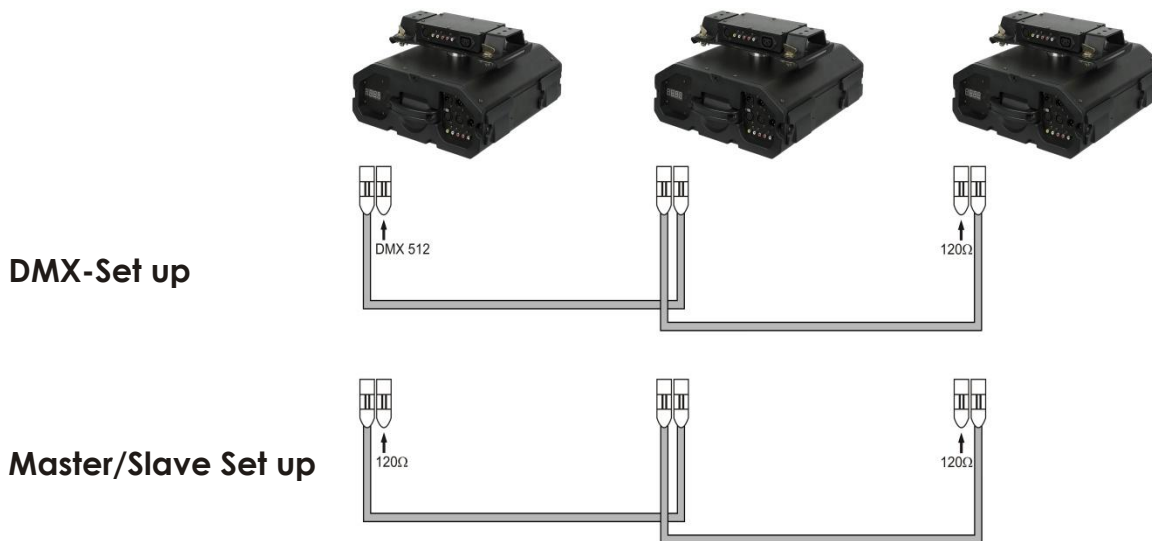


Fig. 3

**Note : Link all cables before connecting electric power**

## Fixture Linking

You will need a serial data link to run light shows of one or more fixtures using a DMX-512 controller or to run synchronized shows on two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

Important: Fixtures on a serial data link must be daisy chained in one single line. To comply with the EIA-485 standard no more than 32 devices should be connected on one data link. Connecting more than 32 fixtures on one serial data link without the use of a DMX optically-isolated splitter may result in deterioration of the digital DMX signal.

Maximum serial data link distance: 500 meters (1640 ft.)

Maximum number of fixtures on a serial data link: 32 fixtures

# DMX Protocol

## Channel 1 - Horizontal movement (Pan)

Push the slider up, in order to move head horizontally (PAN).

Gradual head adjustment from one end of the slider to the other.

The head can be turned by 540° and stopped at any position you wish.

## Channel 2 – Pan 16-bit

0-255	Gradual adjustment Pan Speed from fast to slow
-------	--

## Channel 3 –Pan Speed Adjustment

0	Max Speed
1-255	Pan movement with decreasing speed

## Channel 4 – Function

0-129	No function
130-139	PAN movement reset
140-209	No function
210-219	Platform power On
220-229	No function
230-239	Platform power Off
240-255	No function

## Control Panel

When the indicator light is on, means the Media Spinner is working

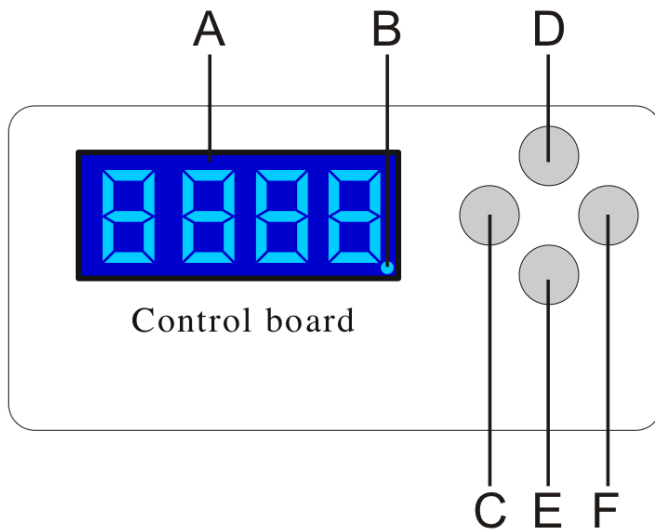


Fig. 4

- |                      |                   |
|----------------------|-------------------|
| A. Display           | D. Up Button      |
| B. DMX LED           | E. Down Button    |
| C. [MODE/ESC] Button | F. [ENTER] Button |

## Control Mode

The fixtures are individually addressed **0001** - **0511** on a data-link and connected to the controller. The fixtures respond to the DMX signal from the controller. (When you select the DMX address and save it, the controller will display the saved DMX address the next time.)

### DMX Addressing

The control panel on the front side of the base allows you to assign the DMX fixture address, which is the first channel from which the Media Spinner will respond to the controller.

Please note when you use the controller, the unit has **4** channels.

When using multiple Media Spinners, make sure you set the DMX addresses right.

Therefore, the DMX address of the first Media Spinner should be **1(A001)**; the DMX address of the second Media Spinner should be **1+4=5 (A005)**; the DMX address of the third Media Spinner should be **5+4=9 (A009)**, etc.

Please, be sure that you don't have any overlapping channels in order to control each Media Spinner correctly.

If two or more Media Spinners are addressed similarly, they will work similarly.

For address settings, please refer to the instructions under "Addressing" (menu **ADD**)

### Controlling:

After having addressed all Media Spinner fixtures, you may now start operating these via your lighting controller.

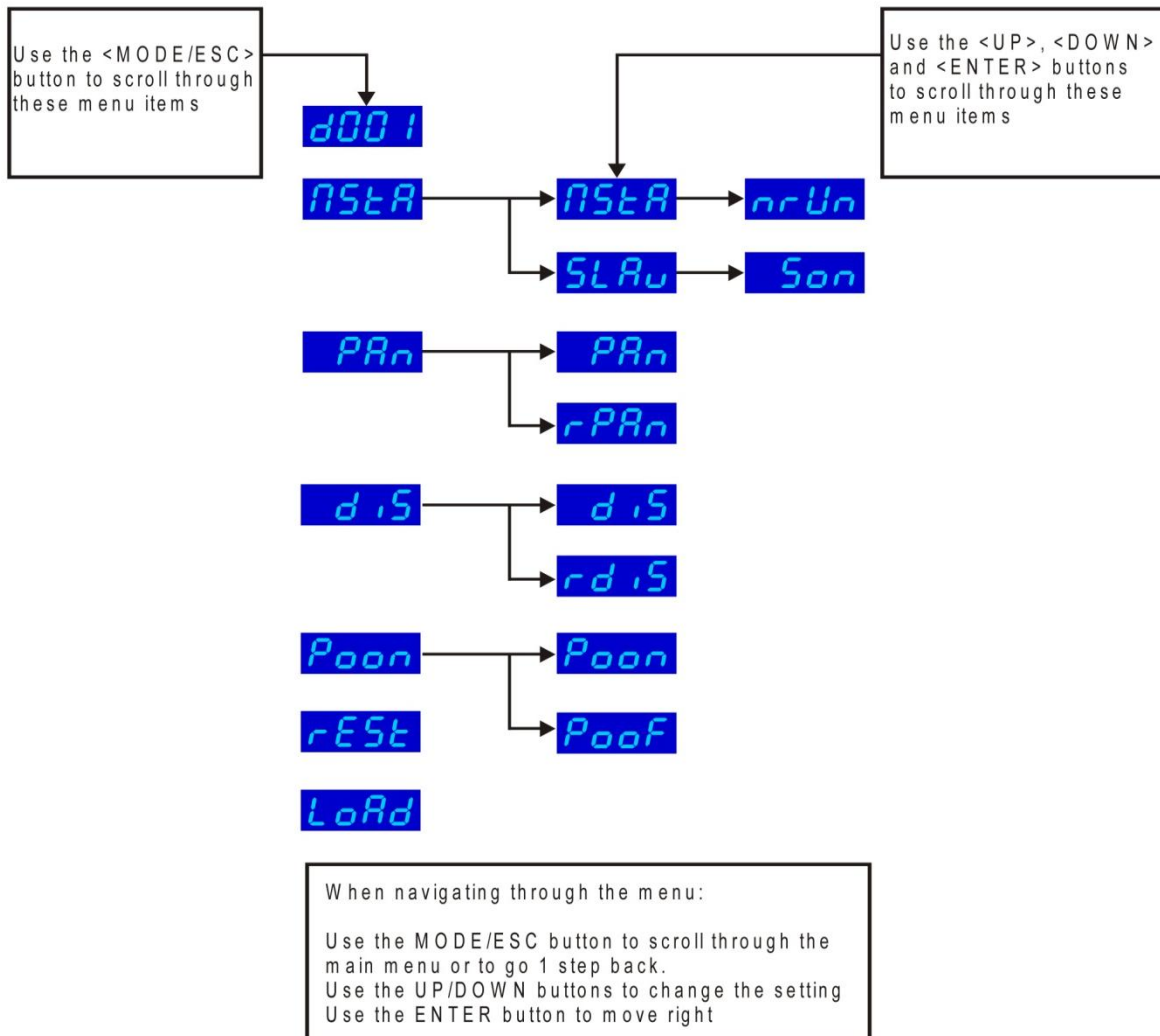
**Note:** After switching on, the Media Spinner will automatically detect whether DMX 512 data is received or not. If there is no data received at the DMX-input, the "**LED**" on the control panel will not flash.

The problem may be:

- The XLR cable from the controller is not connected with the input of the Media Spinner.
- The controller is switched off or defective, the cable or connector is defective, or the signal wires are swapped in the input connector.

**Note:** It's necessary to insert a XLR termination plug (with 120 Ohm) in the last fixture in order to ensure proper transmission on the DMX data link.

## Control Panel Functions

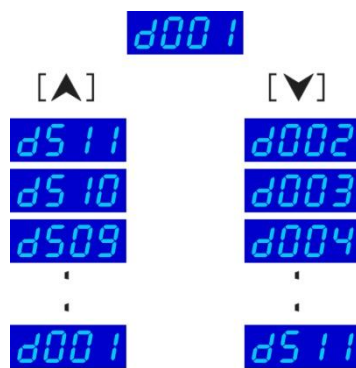


## Addressing

With this menu you can set the DMX address.

**d001** - DMX addressing

- 1) Press Mode until the display shows Run, then press enter. Press the Up / Down button until the display shows DNCO and then press Enter.
- 2) Press Up / Down to select the required address **d001** - **d511**, press Enter to confirm.



- 3) Press Choose, the chosen address is shown on the display.

**MODE 1:** **d001** as default mode. Receive DMX512 signal, set the desired address via the UP/DOWN buttons.

**d001** DMX mode: select channel 1 - channel 512

**MODE 2:** press the MODE/ESC button until the display shows **nStA** / **nStS** / **SLAu** and set the desired function via UP/DOWN buttons, **nStA** as master auto mode. **nStS** As master sound control mode and **SLAu** as slave mode. Press the ENTER button confirm the function and then **nStA** will change to **nrUn**, **nStS** will change to **SrUn**, and will change to **son**.

**nStA** → **nrUn** Master mode: master auto mode

**nStS** → **SrUn** Master mode: master sound control mode

**SLAu** → **son** Slave mode: slave

**MODE 3:** Press the MODE/ESC button until the display shows **PRn** / **rPRn** and set the desired function via UP/DOWN buttons, **PRn** as pan positive mode and **rPRn** as pan negative mode. Press the ENTER button confirm the function and the display will shows "DMX" or "master/slave" mode that you selected before.

**PRn** Pan mode: Positive

**rPRn** Pan mode: Negative

**MODE 4:** Press the MODE/ESC button until the display shows **tIL** / **rtIL** and set the desired function via UP/DOWN buttons, **tIL** as tilt positive mode and **rtIL** as tilt Negative mode. Press the ENTER button confirm the function and the display will shows "DMX" or "MASTER/SLAVE" mode that you selected before.

**tIL** Tilt mode: Positive

**rtIL** Tilt mode: Negative

**MODE 5:** Press the MODE/ESC button until the display shows **dIS** / **rdIS** and set desired function via UP/DOWN buttons. **dIS** as LED positive mode and **rdIS** as LED Negative mode. Press the ENTER button confirm the function and the display will shows "DMX" or "MASTER/SLAVE" mode that you selected before.

**dIS** LED mode: Positive

**rdIS** LED mode: Negative

**MODE 6:** Press the MODE/ESC button until the display shows **LAon** / **LAoF** and set the desired function via UP/DOWN buttons. **LAon** as lamp on mode and **LAoF** as lamp off mode. Press the ENTER button confirm the function and the display will shows "DMX" or "MASTER/SLAVE" mode that you selected before.

**LAon** Lamp on

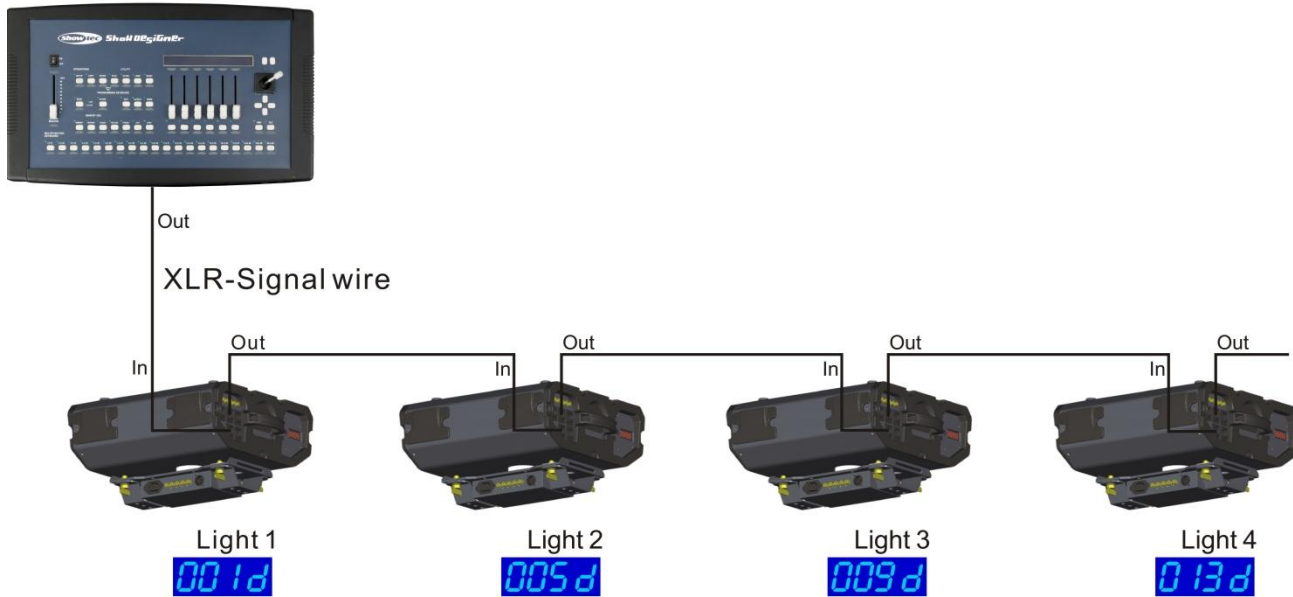
**LAoF** Lamp off

**MODE 7:** Press the MODE/ESC button until the display shows **rESt**, Press the ENTER button will system reset.

**rESt** System reset

**MODE 8:** Press the MODE/ESC button until the display shows **LoAd**, Press the ENTER button will go back to the default mode.

**LoAd** Load default



## Maintenance

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by an expert after every four years in the course of an acceptance test.

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:

1. All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
2. There may not be any deformations on housings, fixations and installation spots.
3. Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
4. The electric power supply cables must not show any damages or material fatigue.

The DMT Media Spinner requires almost no maintenance. However, you should keep the unit clean.

Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Do not use alcohol or solvents.

Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

## Replacing a Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below to do so.

1. Unplug the unit from electric power source.
2. Insert a flat-head screwdriver into a slot in the fuse cover. Gently pry up the fuse cover. The fuse will come out.
3. Remove the used fuse. If brown or unclear, it is burned out.
4. Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover. Be sure to use a fuse of the same type and specification. See the product specification label for details.



## Troubleshooting

### No Movement

This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps. If the light effect does not operate properly, refer servicing to a technician.

Response: Suspect two potential problem areas: the power supply, the fuse.

1. Power supply. Check that the unit is plugged into an appropriate power supply.
2. The fuse. Replace the fuse. See page 14 for replacing the fuse.

### No Response to DMX

Response: Suspect the DMX cable or connectors, a controller malfunction, a light effect DMX card malfunction.

1. Check the DMX cable: Unplug the unit; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
2. Determine whether the controller or light effect is at fault. Does the controller operate properly with other DMX products ? If not, take the controller in for repair. If so, take the DMX cable and the light effect to a qualified technician.

Symptom	Solution(s)	Applies to			
		Lights	Foggers & Snow	Controllers	Dimmers & Chasers
Auto shut off	Check fan thermal switch reset	X			
Beam is very dim or not bright	Clean optical system or replace lamp Check 220/110v switch for proper setting	X			
Breaker/Fuse keeps blowing	Check total load placed on device				X
Chase is too slow	Check user manual for speed adjustment	X		X	X
Device has no power	Check for power on Mains. Check device's fuse. (internal and/or external)	X		X	X
Fixture is not responding	Check DMX Dip switch settings for correct addressing Check DMX cables Check polarity switch settings	X			
Fixture is on but there is no movement to the audio	Make sure you have the correct audio mode on the control switches. If audio provided via 1/4" jack, make sure a live audio signal exists Adjust sound sensitivity knob	X		X	X
Lamps cuts off sporadically	Possible bad lamp or fixture is overheating. Lamp may be at end of its life.	X			
Light will not come on after power failure	Some discharge lamps require a cooling off period before the electronics in the fixture can kick start it again, wait 5 to 10 minutes before powering up	X			
Loss of signal	Use only DMX cables Install terminator Note: Keep DMX cables separated from power cables or black lights.	X	X	X	X
Moves slow	Check 220/110v switch for proper setting	X			
No flash	Re-install bulb, may have shifted in shipping	X			
No laser output	Bounce mirror motor may have shifted during shipping, readjust	X			
No light output	Check slip ring & brushes for contact Install bulb Call service technician	X			
Relay will not work	Check reset switch Check cable connections				X
Remote does not work	Make sure connector is firmly connected to device	X	X		
Stand alone mode	All lighting fixtures featuring stand-alone functions do not require additional settings, simply power the fixture and it will automatically enter into this mode	X			

## Product Specification

Model: DMT Media Spinner

Voltage: 240V-50Hz (CE)

Power: 50W

Power Output (AC Plug): 3450W at 230V Max

Base Main: 20mm Glass 5A 250V Fast Blow

Platform: 20mm Glass 10A 250V Fast Blow

Dimensions: 395x385x255mm (LxWxH)

Weight: 17,2 kg

## Operation and Programming

Signal pin OUT: pin 1 earth, pin 2 (-), pin 3 (+)

Set Up and Addressing: DMX Dip Switches

DMX Channels: 4

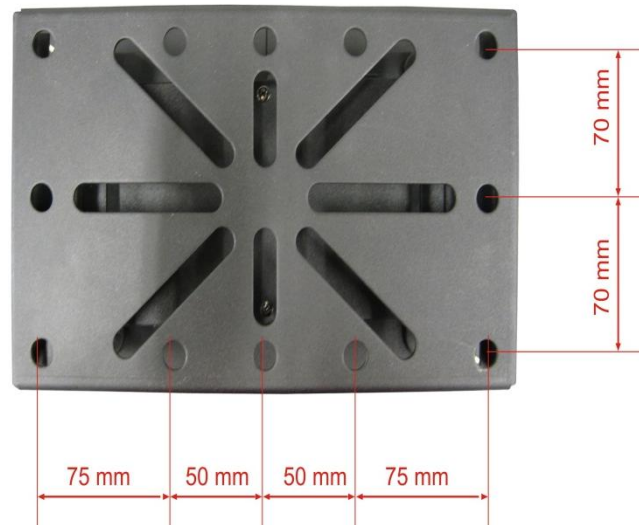
Signal input 3-pin XLR male

Signal output 3-pin XLR female

RCA In/Out: 85 MHz at  $Z_{in} = 75$  ohms

XLR In/Out: 85 MHz at  $Z_{in} = 75$  ohms

Maximum Load Capacity Platform : 50 kg



Design and product specifications are subject to change without prior notice.



Website: [www.Highlite.nl](http://www.Highlite.nl)

Email: [service@highlite.nl](mailto:service@highlite.nl)





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