

DMX SPINNER D3

USER MANUAL / OPERATION INSTRUCTION

SPINNER D3

Thank you for purchasing our new, truly one of a kind, **DUAL MOTOR – DUAL GOBO – 2 CHANNEL DMX GOBO ROTATOR**. Following the tremendous success that **METEOR** has had with the **SPINNER 2 GOBO ROTATOR**. The only natural evolution process, in keeping up with today's technology and ever-changing needs in the THEATRICAL INDUSTRY, was to take the SPINNER 2 to the next level by making the speed and direction of BOTH motors operational via DMX from your controller.

By being completely assembled / manufactured at our facility here in Madison Alabama, allows use to pay specific attention to detail and quality assurance and quality of the product.

We have designed the **SPINNER D3** to accommodate either Glass or Metal Gobos. The unit comes complete, without having to purchase "adapter kits" or "power distribution" packs or ANY additional equipment to operate at its fullest capacity.

We have also taken the time to make the **SPINNER D3** user friendly. Meaning that according to our design, these units will fit in the majority of the common elipsoidals used in today's industry. Simply put, they will work in a **ETC SOURCE 4™**, **ALTMAN SHAKESPEARE™**, **SELECON PACIFIC™**, **SELECON ACCLAIM™** and now also available for the **LEVITON LEO™** and various other brands.

TECHNICAL SPECIFICATIONS:

POWER:	120VAC/ (240VAC OPTIONAL)
DMX CONNECTOR:	5 PIN XLR
MOTORS:	2 – 24VDC
SPEEDS:	VARIABLE via DMX CONTROL
DIRECTIONS:	INDEPENDENT CLOCKWISE / COUNTERCLOCKWISE MOVEMENT
GOBO HOLDER:	2 - GLASS or METAL GOBOS
GOBO SIZE:	"B" SIZE GOBOS
SIZE:	11.50"H X 4.70"W
WEIGHT:	2.5 LBS.
POWER SUPPLY:	1 - U.L –24VDC REGULATED POWER (included)

<u>DMX PROFILE:</u>	2 CHANNEL DMX – 5 PIN XLR (Profile)
Channel 1:	0 Off
	1-119 increasing speed rotation clockwise
	120-127 Off
	128-247 increasing speed rotation – counterclockwise
	248-255 Off
Channel 2:	0 Off
	1-119 increasing speed rotation clockwise
	120-127 Off
	128-247 increasing speed rotation – counterclockwise
	248-255 Off

INSTALLING GLASS GOBOS:

- 1 Remove large (thicker) retaining wire clip.
- 2 Remove the retaining washer
- 3 Place Glass Gobo in Gobo housing.
- 4 Locate "thin" retaining wire Clip
- 5 Squeeze together and insert into groove on wheel]

INSTALLING METAL GOBOS:

- 1 Remove large (thicker) retaining wire clip
- 2 Place the "Retaining Washer" on wheel
- 3 Place the METAL GOBO on Retaining Washer
- 4 Using the "thicker" retaining wire clip.
- 5 Squeeze together and insert into wheel groove.

Note: *Regardless of which types of gobo you are using – you will not be using two (2) of the 4 "wire clips. Put them in a place that you will remember where they are – in case you need to change out from one style to another. If you are using glass – you will not need the retaining washer either. Put that in the same safe place.*

SETTING THE BASE ADDRESS / DIP SWITCHES. * (SET SWITCHES FROM LEFT TO RIGHT 1-10)

- 1 Based on Basic Binary Configuration (with Base Address 1 as a value of 1)
- 2 To Start - All Dip switches in **OFF** position.
- 3 Unit 1 – Base Address **1** – First switch **ON**
- 4 Address **2** will be switch **2 ON**
- 5 Address **3** will be switches **1 and 2 ON** and so forth.

INSERTING SPINNER D3 INTO ELIPSOIDAL:

- 1 Locate accessory slot on top of Elipsoidal.
- 2 Loosen two top screws (usually Phillips) and slide panel back.
- 3 Insert **SPINNER 3D**.
- 4 Close accessory cover so that it is up against rotator.
- 5 Tighten screws back down.

USING SPINNER D3 WITHOUT DMX – DIP SWITCH 10 ON:

The tenth switch (**#10**) is not used for the DMX address, so we gave it a **TEST Function / RUN**. When this is operated, the DMX receiver is switched **OFF**, and you can use 8 of the DIP-switches to set the desired motor speeds, forward or reverse, 7 speeds and stop.

It means that you can get the motors Rotating in the absence of a DMX desk (manual mode) – more then likely – to be used for RENTAL APPLICATIONS:

- 1- Put switch **10** on.
- 2- Set any of the first switches on / off to a setting of your liking for either Speed or Direction
- 3- Both motors will /can operate at same speeds, but opposite directions at the same time.

In **MANUAL / TEST MODE** (switch 10 on), switches 1,2,3,4 control the speed of the first motor.

So start from **Switch 10 ON**, rest off.

MOTOR 1

As you change the codes, you should see the following behavior on one motor, while the other is stationary.

0 = off, 1 = on:

<u>1</u>	<u>2</u>	<u>3</u>	<u>4 -</u>	<u>SWITCHES</u>
1	0	0	0	slow forward
0	1	0	0	faster
1	1	0	0	faster
0	0	1	0	faster
1	0	1	0	faster
1	1	1	0	fastest forward

<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>- SWITCHES</u>
1	0	0	1	slow reverse
0	1	0	1	faster
1	1	0	1	faster
0	0	1	1	faster
1	0	1	1	faster
1	1	1	1	fastest reverse

Now return to switch 10 **ON**, rest **OFF** and check that switches 5,6,7,8 controls the speed of the other motor as below: **MOTOR 2**

<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>- SWITCHES</u>
1	0	0	0	slow forward
0	1	0	0	faster
1	1	0	0	faster
0	0	1	0	faster
1	0	1	0	faster
1	1	1	0	fastest forward

<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>- SWITCHES</u>
1	0	0	1	slow reverse
0	1	0	1	faster
1	1	0	1	faster
0	0	1	1	faster
1	0	1	1	faster
1	1	1	1	fastest reverse

Any questions or if product is not working as we described. Contact your dealer or call the factory direct at (256) 461-8000 Mon – Friday. 9: to 5 Central time

MLSC, Inc. P.O. Box 578, Madison, AL 35758
SHIPPING: 8000 MADISON PIKE, MADISON ALA. 35758. PHONE: (256) 461-8000 FAX: (256) 461-7708
www.meteor-global.com www.meteor-usa.com e-mail: sales@meteor-usa.com