

PREFACE

About this Guide

The document provides basic information on installation instructions for a qualified, trained installer. For complete product information, refer to the Gallery Series LED Luminaire User's Manual found on our web site at www.altmanlighting.com. This manual covers the following products:

<u>Model Number</u>	<u>Description</u>
GALGOBO-RTR-*	Gallery E-Size Gobo Rotator with MSC Safety Cable (<i>Note: Power supply - listed below - is sold separately</i>)
GALGOBO-RTR-PS-*	Gallery Gobo Rotator Portable Box Power Supply with IEC power input and RJ45 Ports (DMX in / thru) and C-Clamp
GALGOBO-RTR-Y-*	Gallery Gobo Rotator Smart Track Power Supply (two circuit, 120VAC)
GALGOBO-RTR-Z-*	Gallery Gobo Rotator Smart Track Power Supply (three circuit, 230VAC)

Note: * Available in Black or White as ordered.



IMPORTANT! The Gallery Gobo Rotator is intended to be installed on and used with Gallery Variable Zoom (25 to 50 degree zoom or 15 to 35 degree zoom) LED Luminaires only (luminaire sold separately). Using the Gallery Gobo Rotator on other products may damage the unit and will void the product warranty.

Please read all instructions before installing or using this product. *Retain this guide for future reference.*

Have a question regarding this guide?

The material in this guide is for information purposes only and is subject to change without notice. Altman Lighting assumes no responsibility for any errors or omissions which may appear in this guide.

Should you find an error, have a suggestion or question regarding your Altman Lighting product, we would love to hear from you.

You can reach us at:

Altman Lighting
 57 Alexander Street
 Yonkers, New York 10701
 1.914.476.7987 (Main)
 1.914.963.7304 (Fax)
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customerservice@altmanlighting.com

Note: Information contained in this document may not be duplicated in full or in part by any person without prior written approval of Altman Lighting. Its sole purpose is to provide the user with conceptual information on the equipment mentioned. The use of this document for all other purposes is specifically prohibited.

Our Commitment

Altman Lighting continually engages in research related to product improvement. New materials, production methods and design refinements are introduced into existing products without notice as a routine expression of the philosophy. For this reason any current Altman Lighting product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise noted.

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Version as of: 06 December 2017

Gallery Gobo Rotator Installation Guide

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IMPORTANT INFORMATION

Product Safety Notices

When using electrical equipment, basic safety precautions should always be followed including the following:



- a. **READ AND FOLLOW ALL SAFETY INSTRUCTIONS.**
- b. Do not use outdoors unless the product is specified to operate in outdoor environments.
- c. Do not mount near gas or electric heaters.
- d. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- e. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- f. Do not use this equipment for other than intended use.
- g. Refer service to qualified personnel.

SAVE THIS GUIDE FOR FUTURE REFERENCE.

Warnings



WARNING: You must have access to a main circuit breaker or other power disconnect device before installing any wiring. Be sure that power is disconnected by removing fuses or turning the main circuit breaker off before installation. Installing the device with power on may expose you to dangerous voltages and damage the device. A qualified electrician must perform this installation.

WARNING: Refer to National Electrical Code® and local codes for cable specifications. Failure to use proper cable can result in damage to equipment or danger to personnel.

WARNING: This equipment is intended for installation in accordance with the National Electric Code® and local regulations. It is also intended for installation in indoor applications only. Before any electrical work is performed, disconnect power at the circuit breaker or remove the fuse to avoid shock or damage to the control. It is recommended that a qualified electrician perform this installation.

WARNING: This product IS NOT for residential installation or use.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY:

A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

CE PRODUIT DOIT ÊTRE INSTALLÉ SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE

FCC NOTICE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Altman Lighting Product Warranty

Warranty Term

Altman Lighting, Inc., a subsidiary of Altman Stage Lighting Company, Inc., herein referred to as Altman, warrants each new product (except for spare parts or products Altman does not manufacture) for a period of TWO (2) years from date of shipment to correct by repair or replacement any part defect due to faulty material or workmanship. Under these same terms products with an LED light source shall be warranted for a period of THREE (3) years.

Altman warrants for NINETY (90) days any spare part it manufactures. On spare parts or products Altman does not manufacture, including, but not limited to, lamps, sockets, lenses, roundels, electronics, ignitors, ballasts, etc.; Altman will grant the same warranty given Altman by its vendors.

Altman assumes no responsibility for damage or faulty performance caused by misuse, improper installation, careless handling or where repairs have been attempted by others.

This warranty is in lieu of all warranties or guarantees expressed or implied and no representative or person is authorized to assume Altman any other liability with the sale of Altman's products.

For complete warranty terms and conditions, please refer to our web site at www.altmanlighting.com.

Warranty Service

In order to request warranty service, you must receive a Return Material Authorization (RMA) number prior to return.

Return shipments must be visibly marked with the RMA number; the product must be returned (*shipping prepaid*) to the factory at:

Altman Lighting Inc.
 Attention: RMA # _____
 57 Alexander Street
 Yonkers, NY 10701

The return must be within THIRTY (30) days of receiving the RMA from Altman.

INSTALLATION AND SET UP

Power Requirements



WARNING! The Gallery Gobo Rotator should be connected to its provided power supply. Use of other power sources may damage the Gallery Gobo Rotator and cause a fire.



WARNING! The Gallery Gobo Rotator is shipped prewired from the factory. The wiring should not be altered, lengthened, or shortened. If the wiring becomes damaged, the Gallery Gobo Rotator should be immediately taken out of service and repaired by a qualified technician.

Connecting Power

Units are powered in one of two ways depending on the model purchased.

- Direct connection to a AC power source for the portable unit is via an IEC to Edison (120VAC markets) and IEC to customer selected connector or bare end (for 220 - 240 VAC markets) input cable (Portable models that are mounted with a C Clamp or Unistrut).
- Direct connection to the powered circuit (Track Mount / Smart Track Models - please specify model 120VAC or 230VAC as these track adapters look very similar yet make contact with the track in very different ways.) Field wiring of the fixture is straight forward. A total of three wires/conductors need to be brought to the unit. The following wiring scheme, as shown in **Table 1**, is required for direct connection models.

Table 1: AC Input Wiring

Wire Color (120V Models)	Purpose
Black	Main / (L)ine
White	(N)eutral
Green	Ground / Earth
Wire Color (100 - 240VAC Models)	Purpose
Brown	Main / (L)ine
Blue	(N)eutral
Green/Yellow	Ground / Earth



IMPORTANT! All Gallery Series LED Luminaires must be connected to and properly grounded to an viable earth ground.

Installing Gallery Gobo Rotator on Gallery LED Luminaire



IMPORTANT! The Gallery Gobo Rotator is intended to be installed on and used with Gallery Variable Zoom (25 to 50 degree zoom or 15 to 35 degree zoom) LED Luminaires only. Using the Gallery Gobo Rotator on other products may damage the unit and will void the product warranty.

To install Gallery Gobo Rotator on a Gallery LED Luminaire:

- Step 1. Disconnect power at source for luminaire and Gallery Gobo Rotator.

Step 2. If not done so already, install gobo (sold separately by others) in gobo rotator. This is done by removing gobo retaining spring clip ring, installing a glass or metal gobo into gobo rotator, and reinstalling retaining spring clip ring.



IMPORTANT! Pay attention not to damage the gobo when replacing the gobo retaining spring clip ring. Make sure that spring clip ring is sitting below the face of the gobo rotator. Failure to do so will cause damage to the gobo or the gobo rotator.

Note: The Gallery Gobo Rotator accepts E-size (37.5 mm OD, 28.0 mm Image Area) glass or metal gobos and effects.

Gobo Projection Tip:

When using a steel pattern many times the reflectivity of the steel can create an “afterimage” in order to avoid this use a bit of high heat black paint on your gobos. Do not paint gobos when installed in the gobo rotator.

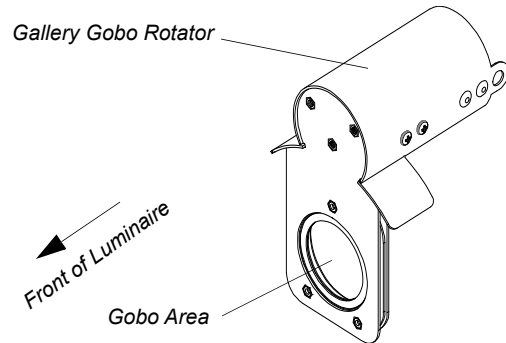


Figure 1: Gallery Gobo Rotator

Step 3. As shown in **Figure 2**, completely remove gobo slot cover and store for future use. **IMPORTANT!** you must replace gobo slot cover screw with the included 6-32 x 3/8-inch Phillips pan head screw to secure condenser lens to luminaire.

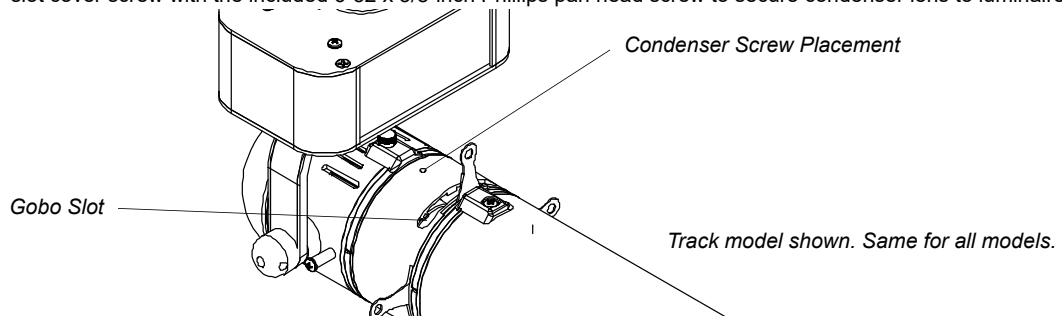


Figure 2: Gallery Gobo Rotator Install

Step 4. Position Gallery Gobo Rotator so gobo slides into gobo slot.

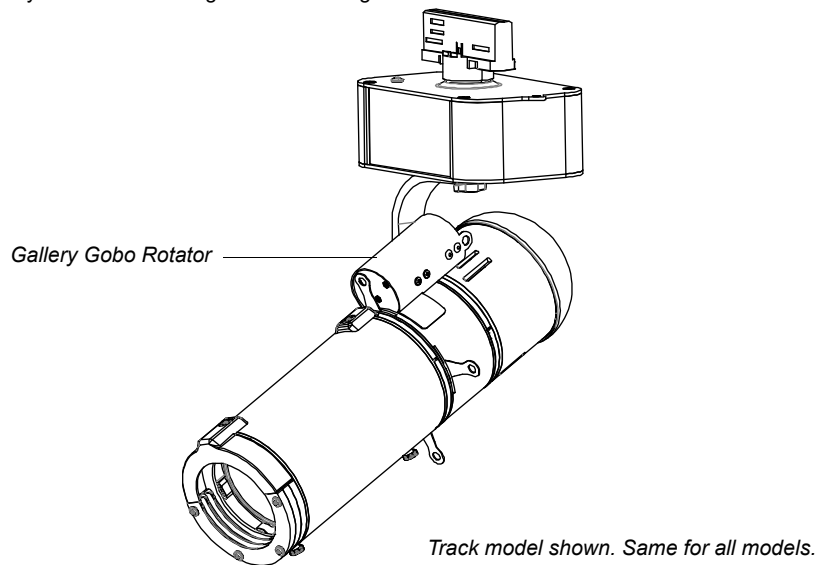


Figure 3: Gallery Gobo Rotator Install

Step 5. Using supplied safety cable (MSC), attached on end to tab on Gallery Gobo Rotator and other end of safety cable to tab on luminaire top box.

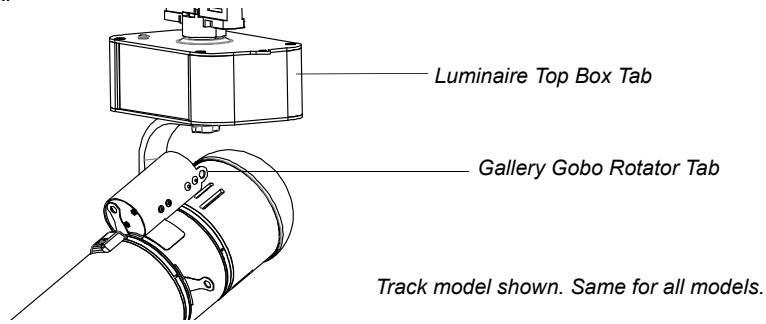


Figure 4: Gallery Gobo Rotator Install

Step 6. Connect Gallery Gobo Rotator to its power supply (sold separately, either track mounted or portable mounted - as ordered).

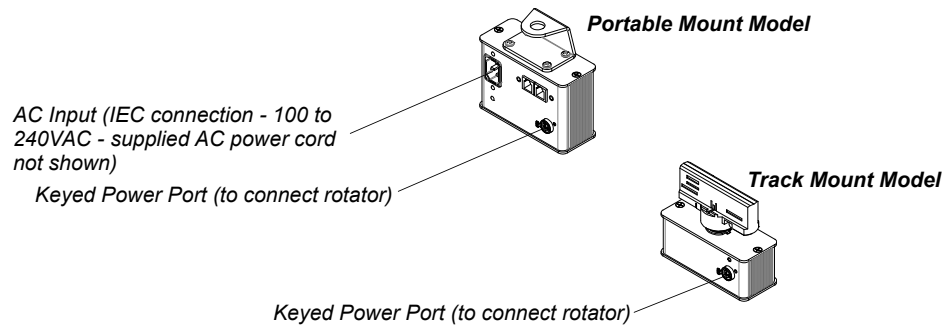


Figure 5: Gallery Gobo Rotator Power Supplies

Step 7. On portable mounted power supplies, connect AC input cable to power supply. Hang portable supply according to local and national codes. Refer to "Connecting Power" on page 3 for additional information.

Step 8. On track mounted power supplies, install on track according to track manufacturer's mounting instructions.

Note: For focusing gobo, refer to the Zoom and Focus Control section of the Gallery Series LED Luminaire Quick Start Guide or Installation & User's Manual. Both are available on the Altman Lighting web site at www.altmanlighting.com.

Setup - Addressing

The Gallery Gobo Rotator can be controlled via DMX or set to a specific setting for manual operation by the rotatory address switches at the bottom of the unit's power supply. The three rotatory switches are described in Figure 6.

- For setting the unit's DMX address for DMX control, see "Setting DMX Address" on page 6.
- For setting the unit for manual (set and forget) operation, see "Setting for Manual Operation" on page 12.

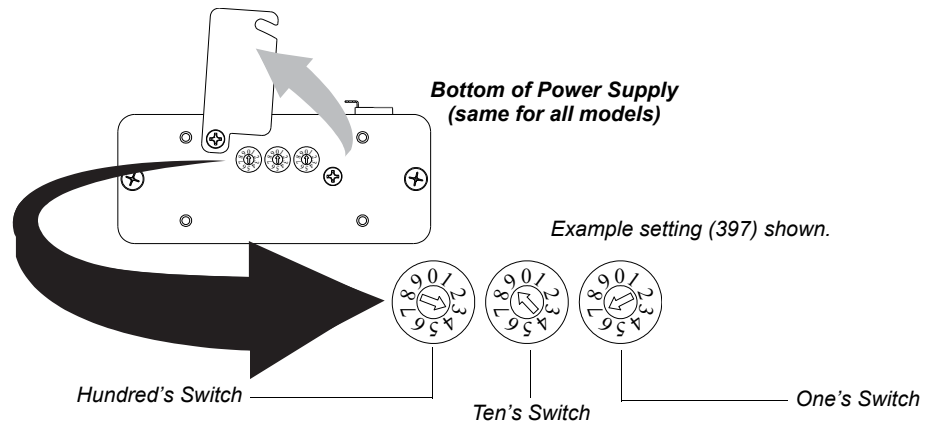


Figure 6: Gallery Gobo Rotator Address Switches

Setting DMX Address

The Gallery Gobo Rotator's DMX address is set in one of two ways:

- Via RDM when the rotatory switches are set to "000" (default RDM DMX address is 001). The unit will only respond to RDM commands when switches are set to "000", **or**
- Via the rotatory switches when they are set from "001" to "512".

To set a DMX address for the Gallery Gobo Rotator:

- Step 1. At bottom of power supply unit as shown in **Figure 6**, loosen, but do not remove, both screws securing rotatory switch door to unit. Swing door open.
- Step 2. Set DMX address (between 1 to 512) by rotating the hundred's, ten's and one's rotatory switches.
- Step 3. After setting desired address, close rotatory switch door and hand tighten screws. Do not over tighten!
- Step 4. The unit is now addressed. Refer to **Table 2, "DMX Operation - Gobo Rotation (Speed and Direction - approximate)"** for operational values.

Table 2: DMX Operation - Gobo Rotation (Speed and Direction - approximate)

Percentage (0 to 100)	DMX Value (0 to 255)	Rotation (RPM)	Rotation (seconds)	Direction (CW clockwise / CCW counter clockwise)
0	000	0.00	Stopped	Stopped
0	001	0.00		
1	002	0.00		
1	003	0.00		
2	004	0.94	64.0	Forward (CW)
2	005	0.95	63.3	Forward (CW)
2	006	0.96	62.5	Forward (CW)
3	007	0.97	61.8	Forward (CW)
3	008	0.98	61.0	Forward (CW)
4	009	1.00	60.3	Forward (CW)
4	010	1.01	59.5	Forward (CW)
4	011	1.02	58.8	Forward (CW)
5	012	1.03	58.0	Forward (CW)
5	013	1.05	57.3	Forward (CW)
5	014	1.06	56.5	Forward (CW)
6	015	1.08	55.8	Forward (CW)
6	016	1.09	55.0	Forward (CW)
7	017	1.11	54.3	Forward (CW)
7	018	1.12	53.5	Forward (CW)
7	019	1.14	52.8	Forward (CW)
8	020	1.15	52.0	Forward (CW)
8	021	1.17	51.3	Forward (CW)
9	022	1.19	50.5	Forward (CW)
9	023	1.21	49.8	Forward (CW)
9	024	1.22	49.0	Forward (CW)
10	025	1.24	48.3	Forward (CW)
10	026	1.26	47.5	Forward (CW)
11	027	1.28	46.8	Forward (CW)
11	028	1.30	46.0	Forward (CW)
11	029	1.33	45.3	Forward (CW)
12	030	1.35	44.5	Forward (CW)
12	031	1.37	43.8	Forward (CW)

Table 2: DMX Operation - Gobo Rotation (Speed and Direction - approximate)

Percentage (0 to 100)	DMX Value (0 to 255)	Rotation (RPM)	Rotation (seconds)	Direction (CW clockwise / CCW counter clockwise)
13	032	1.40	43.0	Forward (CW)
13	033	1.42	42.3	Forward (CW)
13	034	1.45	41.5	Forward (CW)
14	035	1.47	40.8	Forward (CW)
14	036	1.50	40.0	Forward (CW)
15	037	1.53	39.3	Forward (CW)
15	038	1.56	38.5	Forward (CW)
15	039	1.59	37.8	Forward (CW)
16	040	1.62	37.0	Forward (CW)
16	041	1.66	36.3	Forward (CW)
16	042	1.69	35.5	Forward (CW)
17	043	1.73	34.8	Forward (CW)
17	044	1.76	34.0	Forward (CW)
18	045	1.80	33.3	Forward (CW)
18	046	1.85	32.5	Forward (CW)
18	047	1.89	31.8	Forward (CW)
19	048	1.94	31.0	Forward (CW)
19	049	1.98	30.3	Forward (CW)
20	050	2.03	29.5	Forward (CW)
20	051	2.09	28.8	Forward (CW)
20	052	2.14	28.0	Forward (CW)
21	053	2.17	27.6	Forward (CW)
21	054	2.19	27.4	Forward (CW)
22	055	2.21	27.1	Forward (CW)
22	056	2.23	26.9	Forward (CW)
22	057	2.25	26.6	Forward (CW)
23	058	2.27	26.4	Forward (CW)
23	059	2.29	26.2	Forward (CW)
24	060	2.32	25.9	Forward (CW)
24	061	2.34	25.7	Forward (CW)
24	062	2.36	25.4	Forward (CW)
25	063	2.38	25.2	Forward (CW)
25	064	2.41	24.9	Forward (CW)
25	065	2.43	24.7	Forward (CW)
26	066	2.45	24.5	Forward (CW)
26	067	2.48	24.2	Forward (CW)
27	068	2.50	24.0	Forward (CW)
27	069	2.53	23.7	Forward (CW)
27	070	2.55	23.5	Forward (CW)
28	071	2.58	23.3	Forward (CW)
28	072	2.61	23.0	Forward (CW)
29	073	2.64	22.8	Forward (CW)
29	074	2.66	22.5	Forward (CW)

Table 2: DMX Operation - Gobo Rotation (Speed and Direction - approximate)

Percentage (0 to 100)	DMX Value (0 to 255)	Rotation (RPM)	Rotation (seconds)	Direction (CW clockwise / CCW counter clockwise)
29	075	2.69	22.3	Forward (CW)
30	076	2.72	22.0	Forward (CW)
30	077	2.75	21.8	Forward (CW)
31	078	2.78	21.6	Forward (CW)
31	079	2.81	21.3	Forward (CW)
31	080	2.85	21.1	Forward (CW)
32	081	2.88	20.8	Forward (CW)
32	082	2.91	20.6	Forward (CW)
33	083	2.95	20.4	Forward (CW)
33	084	2.98	20.1	Forward (CW)
33	085	3.02	19.9	Forward (CW)
34	086	3.06	19.6	Forward (CW)
34	087	3.09	19.4	Forward (CW)
35	088	3.13	19.1	Forward (CW)
35	089	3.17	18.9	Forward (CW)
35	090	3.21	18.7	Forward (CW)
36	091	3.26	18.4	Forward (CW)
36	092	3.30	18.2	Forward (CW)
36	093	3.34	17.9	Forward (CW)
37	094	3.39	17.7	Forward (CW)
37	095	3.44	17.5	Forward (CW)
38	096	3.49	17.2	Forward (CW)
38	097	3.53	17.0	Forward (CW)
38	098	3.59	16.7	Forward (CW)
39	099	3.64	16.5	Forward (CW)
39	100	3.69	16.2	Forward (CW)
40	101	3.75	16.0	Forward (CW)
40	102	3.81	15.8	Forward (CW)
40	103	3.86	15.5	Forward (CW)
41	104	3.93	15.3	Forward (CW)
41	105	3.99	15.0	Forward (CW)
42	106	4.05	14.8	Forward (CW)
42	107	4.11	14.6	Forward (CW)
42	108	4.12	14.6	Forward (CW)
43	109	4.14	14.5	Forward (CW)
43	110	4.15	14.5	Forward (CW)
44	111	4.17	14.4	Forward (CW)
44	112	4.18	14.4	Forward (CW)
44	113	4.20	14.3	Forward (CW)
45	114	4.21	14.3	Forward (CW)
45	115	4.23	14.2	Forward (CW)
45	116	4.24	14.2	Forward (CW)
46	117	4.26	14.1	Forward (CW)

Table 2: DMX Operation - Gobo Rotation (Speed and Direction - approximate)

Percentage (0 to 100)	DMX Value (0 to 255)	Rotation (RPM)	Rotation (seconds)	Direction (CW clockwise / CCW counter clockwise)
46	118	4.27	14.1	Forward (CW)
47	119	4.29	14.0	Forward (CW)
47	120	4.30	14.0	Forward (CW)
47	121	4.32	13.9	Forward (CW)
48	122	4.33	13.9	Forward (CW)
48	123	4.35	13.8	Forward (CW)
49	124	4.46	13.4	Forward (CW)
49	125	0.00	Stopped	Stopped
49	126	0.00		
50	127	0.00		
50	128	0.00		
51	129	0.00		
51	130	0.00		
51	131	0.98	61.0	Reverse (CCW)
52	132	1.00	60.3	Reverse (CCW)
52	133	1.01	59.5	Reverse (CCW)
53	134	1.02	58.8	Reverse (CCW)
53	135	1.03	58.1	Reverse (CCW)
53	136	1.05	57.3	Reverse (CCW)
54	137	1.06	56.6	Reverse (CCW)
54	138	1.07	55.9	Reverse (CCW)
55	139	1.09	55.1	Reverse (CCW)
55	140	1.10	54.4	Reverse (CCW)
55	141	1.12	53.7	Reverse (CCW)
56	142	1.13	52.9	Reverse (CCW)
56	143	1.15	52.2	Reverse (CCW)
56	144	1.17	51.5	Reverse (CCW)
57	145	1.18	50.7	Reverse (CCW)
57	146	1.20	50.0	Reverse (CCW)
58	147	1.22	49.3	Reverse (CCW)
58	148	1.24	48.5	Reverse (CCW)
58	149	1.26	47.8	Reverse (CCW)
59	150	1.27	47.1	Reverse (CCW)
59	151	1.29	46.3	Reverse (CCW)
60	152	1.32	45.6	Reverse (CCW)
60	153	1.34	44.9	Reverse (CCW)
60	154	1.36	44.1	Reverse (CCW)
61	155	1.38	43.4	Reverse (CCW)
61	156	1.41	42.7	Reverse (CCW)
62	157	1.43	41.9	Reverse (CCW)
62	158	1.46	41.2	Reverse (CCW)
62	159	1.48	40.5	Reverse (CCW)
63	160	1.51	39.7	Reverse (CCW)

Table 2: DMX Operation - Gobo Rotation (Speed and Direction - approximate)

Percentage (0 to 100)	DMX Value (0 to 255)	Rotation (RPM)	Rotation (seconds)	Direction (CW clockwise / CCW counter clockwise)
63	161	1.54	39.0	Reverse (CCW)
64	162	1.57	38.3	Reverse (CCW)
64	163	1.60	37.5	Reverse (CCW)
64	164	1.63	36.8	Reverse (CCW)
65	165	1.66	36.1	Reverse (CCW)
65	166	1.70	35.3	Reverse (CCW)
65	167	1.73	34.6	Reverse (CCW)
66	168	1.77	33.9	Reverse (CCW)
66	169	1.81	33.1	Reverse (CCW)
67	170	1.85	32.4	Reverse (CCW)
67	171	1.89	31.7	Reverse (CCW)
67	172	1.94	30.9	Reverse (CCW)
68	173	1.99	30.2	Reverse (CCW)
68	174	2.04	29.5	Reverse (CCW)
69	175	2.09	28.7	Reverse (CCW)
69	176	2.14	28.0	Reverse (CCW)
69	177	2.20	27.3	Reverse (CCW)
70	178	2.26	26.5	Reverse (CCW)
70	179	2.33	25.8	Reverse (CCW)
71	180	2.36	25.4	Reverse (CCW)
71	181	2.38	25.2	Reverse (CCW)
71	182	2.40	25.0	Reverse (CCW)
72	183	2.42	24.8	Reverse (CCW)
72	184	2.44	24.6	Reverse (CCW)
73	185	2.45	24.4	Reverse (CCW)
73	186	2.47	24.3	Reverse (CCW)
73	187	2.49	24.1	Reverse (CCW)
74	188	2.51	23.9	Reverse (CCW)
74	189	2.53	23.7	Reverse (CCW)
75	190	2.55	23.5	Reverse (CCW)
75	191	2.57	23.3	Reverse (CCW)
75	192	2.60	23.1	Reverse (CCW)
76	193	2.62	22.9	Reverse (CCW)
76	194	2.64	22.7	Reverse (CCW)
76	195	2.66	22.5	Reverse (CCW)
77	196	2.68	22.4	Reverse (CCW)
77	197	2.71	22.2	Reverse (CCW)
78	198	2.73	22.0	Reverse (CCW)
78	199	2.75	21.8	Reverse (CCW)
78	200	2.78	21.6	Reverse (CCW)
79	201	2.80	21.4	Reverse (CCW)
79	202	2.83	21.2	Reverse (CCW)
80	203	2.85	21.0	Reverse (CCW)

Table 2: DMX Operation - Gobo Rotation (Speed and Direction - approximate)

Percentage (0 to 100)	DMX Value (0 to 255)	Rotation (RPM)	Rotation (seconds)	Direction (CW clockwise / CCW counter clockwise)
80	204	2.88	20.8	Reverse (CCW)
80	205	2.91	20.6	Reverse (CCW)
81	206	2.93	20.5	Reverse (CCW)
81	207	2.96	20.3	Reverse (CCW)
82	208	2.99	20.1	Reverse (CCW)
82	209	3.02	19.9	Reverse (CCW)
82	210	3.05	19.7	Reverse (CCW)
83	211	3.08	19.5	Reverse (CCW)
83	212	3.11	19.3	Reverse (CCW)
84	213	3.14	19.1	Reverse (CCW)
84	214	3.17	18.9	Reverse (CCW)
84	215	3.20	18.7	Reverse (CCW)
85	216	3.23	18.6	Reverse (CCW)
85	217	3.27	18.4	Reverse (CCW)
85	218	3.30	18.2	Reverse (CCW)
86	219	3.34	18.0	Reverse (CCW)
86	220	3.37	17.8	Reverse (CCW)
87	221	3.41	17.6	Reverse (CCW)
87	222	3.45	17.4	Reverse (CCW)
87	223	3.48	17.2	Reverse (CCW)
88	224	3.52	17.0	Reverse (CCW)
88	225	3.56	16.8	Reverse (CCW)
89	226	3.60	16.7	Reverse (CCW)
89	227	3.64	16.5	Reverse (CCW)
89	228	3.69	16.3	Reverse (CCW)
90	229	3.73	16.1	Reverse (CCW)
90	230	3.78	15.9	Reverse (CCW)
91	231	3.82	15.7	Reverse (CCW)
91	232	3.87	15.5	Reverse (CCW)
91	233	3.92	15.3	Reverse (CCW)
92	234	3.97	15.1	Reverse (CCW)
92	235	4.02	14.9	Reverse (CCW)
93	236	4.07	14.8	Reverse (CCW)
93	237	4.48	14.6	Reverse (CCW)
93	238	4.18	14.4	Reverse (CCW)
94	239	4.23	14.2	Reverse (CCW)
94	240	4.29	14.0	Reverse (CCW)
95	241	4.35	13.8	Reverse (CCW)
95	242	4.48	13.4	Reverse (CCW)
95	243	4.49	13.4	Reverse (CCW)
96	244	4.50	13.3	Reverse (CCW)
96	245	4.51	13.3	Reverse (CCW)
96	246	4.52	13.3	Reverse (CCW)

Table 2: DMX Operation - Gobo Rotation (Speed and Direction - approximate)

Percentage (0 to 100)	DMX Value (0 to 255)	Rotation (RPM)	Rotation (seconds)	Direction (CW clockwise / CCW counter clockwise)
97	247	4.53	13.3	Reverse (CCW)
97	248	4.54	13.2	Reverse (CCW)
98	249	4.55	13.2	Reverse (CCW)
98	250	4.56	13.2	Reverse (CCW)
98	251	4.57	13.1	Reverse (CCW)
99	252	4.58	13.1	Reverse (CCW)
99	253	4.59	13.1	Reverse (CCW)
100	254	4.60	13.0	Reverse (CCW)
100	255	4.63	13.0	Reverse (CCW)

Setting for Manual Operation

To set the Gallery Gobo Rotator for continuous operation (set and forget):

- Step 1. At bottom of power supply unit as shown in **Figure 6 on page 5**, loosen, but do not remove, both screws securing rotatory switch door to unit. Swing door open.
- Step 2. Set each switch by rotating the hundred's, ten's and one's rotatory switches. Refer to **Table 3** for values and operation.

Table 3: Manual Operation Switch Settings

Value	Operation
600 to 699	Each value from 600 to 699 will rotate the gobo forward (clockwise). 600 (slowest) to 699 (fastest)
700 to 799	Each value from 700 to 799 will rotate the gobo in reverse (counter clockwise). 700 (slowest) to 799 (fastest)

- Step 3. After desired setting is complete, close rotatory switch door and hand tighten screws. Do not over tighten!
- Step 4. The unit is now set for manual operation. When the unit is powered, the Gallery Gobo Rotator will begin rotating the gobo.



IMPORTANT! If the switches are set to any other value than outlined previously in this manual, the rotator will not operate.

CLEANING AND CARE



WARNING! All cleaning should be performed with power completely removed from the luminaire. All service and maintenance, other than described herein, should be performed by a qualified technician or Authorized Service Center. AT NO TIME SHOULD THE LED BE TOUCHED.

Special Cleaning and Care Instructions

- The Gallery Gobo Rotator requires very little routine maintenance by the user and has no user-serviceable parts (other than the installing or removing the gobo).
- The gobo should be cleaned in accordance to the gobo manufacturer's cleaning and handling instructions.



WARNING! Under no circumstances should ammonia-based cleaners, acetone, or other harsh solvents be used on or near the Gallery Gobo Rotator. These types of cleaners or solvents can permanently damage the unit.

If you have any questions regarding the use or care of your Gallery Gobo Rotator, please contact Altman Lighting technical support or your local Authorized Dealer.

Service and Maintenance

For all other service and maintenance issues, please contact your local Altman Lighting office or an Authorized Service Center.



WARNING! Disassembly (other than as described herein), alterations, unauthorized service, etc. will void the product warranty. Contact your local Altman Lighting office or an Authorized Service Center for technical support and service.