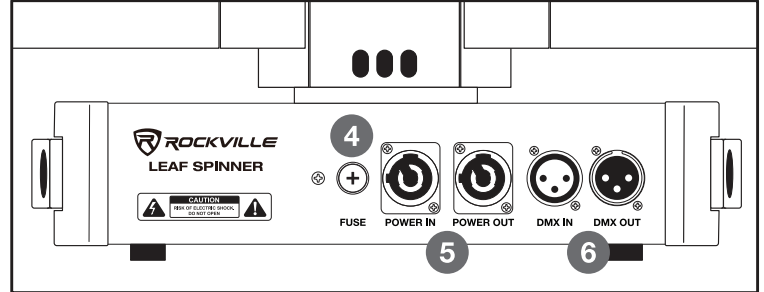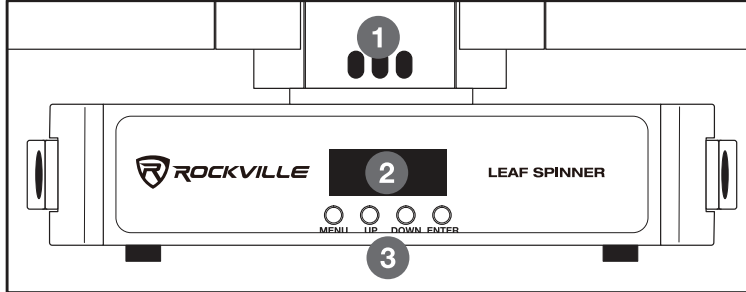# LEAF SPINNER Operating Instructions

Thank you for purchasing this Rockville LEAF SPINNER. Please read this DMX guide carefully. Should you need assistance, please call our technical help line at 1–646–758–0144, 24 hours a day/7 days a week. You can also scan the QR code or go to rockvillesupport.com/leaf–spinner for essential information, guides (video and/or written), and tips to make the most out of your purchase.

Functions

1. Moving head
2. LCD screen
3. Control panel (see Settings section below)
4. Fuse
5. Powercon power in/out jacks
6. DMX in/out jacks

Settings

Press the MENU button repeatedly to cycle through settings or, if you are within a submenu, press MENU to return to the previous menu. In addition to the MENU button, you can use the UP and DOWN buttons to scroll through settings. Once a setting option has been selected, use the UP and DOWN buttons to scroll through the options or numerical values for that setting. Press the ENTER button to access setting's menus and values or to save your selection. If you press the ENTER button on any setting, the saved mode/settings/values will remain in place even after powering off the unit and will be the default when you power the unit back on. Please note, when no DMX cable is connected, the first character on the left of the menu flashes constantly. This function is especially useful when you have multiple units wired together and an issue occurs. The flashing character makes it easy to identfy which unit(s) is having issues. If the LCD setting is set to off, a dash will flash on the right side when no DMX cable is connected.

Display Mode	Value	Description	Submenu Function	
ADDR	001 – 512	Set DMX address	N/A	
STAT	01 – 06	Set static effects	Red	0 – 255
			Green (Gree)	
			Blue	
			White (Uhlt)	
			Amber (Uhl1)	
			Light rotation static position (PSet)	
			Master strobe (StrO)	
AUTO	01 – 10	Set auto effects operation mode	Auto modes (At)	1 – 10
			Auto mode color cycle speed (SP)	1 – 50
CHND	15/20/26	Set DMX channel mode (15–channel, 20–channel, or 26–channel).		
LCD	ON/OFF	Turn display backlight on or off		
DISP	YES/NO	Changes the LCD screen's orientation		
VER	V001	Software version number		

DMX Controls

When using a DMX controller, use the charts below to reference each channel's function.

15–Channel Mode

Channel	Function	Value	Description	
1	Rotation	0 – 255	0° – 360° rotation	
2	Rotation speed controls	0 – 49	Rotation speed, fast to slow	
		50 – 152	Clockwise infinite rotation, fast to slow	
		153 – 255	Counterclockwise infinite rotation, slow to fast	
3	Amber light dimmer	0 – 255	Adjust overall Amber light brightness	
4	Amber light strobe	0 – 255	Adjust strobe speed, slow to fast (1Hz – 25Hz)	
5	Amber light effect	0 – 4	Off	Channel 12 slider must be set to 0 – 4.
		5 – 40	Amber light 1	
		41 – 76	Amber light 2	
		77 – 112	Amber light 3	
		113 – 148	Amber light 1 + Amber light 2	

15–Channel Mode (continued)

Channel	Function	Value	Description	
5	Amber light effect	149 – 184	Amber light 2 + Amber light 3	Channel 12 slider must be set to 0 – 4.
		185 – 220	Amber light 3 + Amber light 1	
		221 – 255	Amber light 1 + Amber light 2 + Amber light 3	
6	Leaf/beam color light dimmer	0 – 255	Adjust overall leaf and beam brightness	
7	Leaf/beam color strobe	0 – 10	Off	
		11 – 255	Adjust strobe speed, slow to fast (1Hz – 25Hz)	
8	Leaf light 1 color/effect	0 – 4	Off	
		5 – 40	Red	When Ch 13 is null (0 – 4), channel 8 controls Leaf light 1. When Ch 13 is set anywhere between 5 and 215, Channel 8 is used to set the pattern effect color.
		41 – 76	Green	
		77 – 112	Blue	
		113 – 148	Yellow	
		149 – 184	Purple	
		185 – 220	Light blue	
		221 – 255	Simulated white (RGB)	
9	Leaf light 2 color/ background color	0 – 4	Off	When Ch 13 is null (0 – 4), channel 9 controls Leaf light 2. When Ch 13 is set anywhere between 5 and 215, Channel 9 is used to blend a background color into the channel 8 pattern effect color selection. Each color's background brightness can be adjusted, within it's DMX range, from dark to bright.
		5 – 40	Red	
		41 – 76	Green	
		77 – 112	Blue	
		113 – 148	Yellow	
		149 – 184	Purple	
		185 – 220	Light blue	
		221 – 255	Simulated white (RGB)	
10	Leaf light 3 color	0 – 4	Off	
		5 – 40	Red	When Ch 13 is null (0 – 4), channel 10 controls Leaf light 3.
		41 – 76	Green	
		77 – 112	Blue	
		113 – 148	Yellow	
		149 – 184	Purple	
		185 – 220	Light blue	
		221 – 255	Simulated white (RGB)	
11	Beam light color	0 – 4	Off	
		5 – 36	Red	
		37 – 68	Green	
		69 – 100	Blue	
		101 – 132	White	
		133 – 164	Yellow	
		165 – 196	Purple	
		197 – 228	Light blue	
		229 – 255	White	
12	Amber light macro function	0 – 4	Off (Ch 3 – 5 valid/active)	
		5 – 85	Built–in effect 1 speed (clockwise cycle), slow to fast	Channel 3 slider must be active. If it is set to 0, there is no effect.
		86 – 170	Built–in effect 2 speed (fade in), slow to fast	
		171 – 255	Built–in effect 3 speed (sharp pulse), slow to fast	
13	Leaf light macro function	0 – 4	Off (Ch 6 –10 valid/active)	
		5 – 47	Built–in effect 1 speed (clockwise cycle), slow to fast	Channel 6, 8, and 9 sliders must be active. If they are set to 0, there is no effect.
		48 – 89	Built–in effect 2 speed (alternating cycle), slow to fast	
		90 – 131	Built–in effect 3 speed (fade in), slow to fast	
		132 – 173	Built–in effect 4 speed (slow pulse), slow to fast	
		174 – 215	Built–in effect 5 speed (sharp pulse), slow to fast	
		216 – 255	Built–in effect 6 speed (color fade), slow to fast	
14	Beam light macro function	0 – 4	Off (Ch 6 and 11 valid/active)	
		5 – 85	Built–in effect 1 speed (color pulse), slow to fast	Channel 6 slider must be active. If it is set to 0, there is no effect.
		86 – 170	Built–in effect 2 speed (color fade), slow to fast	
		171 – 255	Built–in effect 3 speed (color cycle), slow to fast	
15	Reset	0 – 199	Off	
		200 – 209	Resets after 5 seconds	
		210 – 255	Off	

20–Channel Mode

Channel	Function		Value	Description	
1	Rotation		0 – 255	0° – 360° rotation	
2	Rotation speed controls		0 – 49	Rotation speed, fast to slow	
			50 – 152	Clockwise infinite rotation, fast to slow	
			153 – 255	Counterclockwise infinite rotation, slow to fast	
3	Amber light dimmer		0 – 255	Adjust overall Amber light brightness	
4	Amber light strobe		0 – 255	Adjust strobe speed, slow to fast (1Hz – 25Hz)	
5	Amber light 1		0 – 255	Adjust individual Amber light brightness	
6	Amber light 2		0 – 255		
7	Amber light 3		0 – 255		
8	Leaf/beam color light dimmer		0 – 255	Adjust overall leaf and beam light brightness	
9	Leaf/beam color strobe		0 – 10	Off	
			11 – 255	Adjust strobe speed, slow to fast (1Hz – 25Hz)	
10	Leaf light	Red	0 – 255	Adjusts the leaf light's red color brightness when Ch18 is null (0 – 4)	
			0 – 4	Off	When Ch 18 is null (0 – 4), channel 10 controls the individual Leaf lights' red color brightness. When Ch 18 is set anywhere between 5 and 215, Channel 10 is used to set the pattern effect color.
			5 – 40	Red	
			41 – 76	Green	
			77 – 112	Blue	
			113 – 148	Yellow	
			149 – 184	Purple	
			185 – 220	Light blue	
			221 – 255	Simulated white (RGB)	
11		Green	0 – 255	Adjusts the leaf light's green color brightness when Ch18 is null (0 – 4)	
			0 – 4	Off	When Ch 18 is null (0 – 4), channel 11 controls the Leaf light's green color brightness. When Ch 18 is set anywhere between 5 and 215, Channel 11 is used to blend a background color into the channel 10 pattern effect color selection. Each color's background brightness can be adjusted, within it's DMX range, from dark to bright.
			5 – 40	Red	
			41 – 76	Green	
			77 – 112	Blue	
			113 – 148	Yellow	
			149 – 184	Purple	
			185 – 220	Light blue	
			221 – 255	Simulated white (RGB)	
12		Blue	0 – 255	When Ch 18 is null (0 – 4), channel 12 controls the Leaf light's blue color brightness. When Ch 18 is set anywhere between 5 and 215, channel 12 is null.	
13	Beam light	Red	0 – 255	Adjust beam light color brightness	
14		Green	0 – 255		
15		Blue	0 – 255		
16		White	0 – 255		
17	Amber light macro function		0 – 4	Off (Ch 3 – 7 valid/active)	
			5 – 85	Built–in effect 1 speed (clockwise cycle), slow to fast	Channel 3 slider must be active. If it is set to 0, there is no effect.
			86 – 170	Built–in effect 2 speed (fade in), slow to fast	
			171 – 255	Built–in effect 3 speed (sharp pulse), slow to fast	
18	Leaf light macro function		0 – 4	Off (Ch 8 – 12 valid/active)	
			5 – 47	Built–in effect 1 speed (clockwise cycle), slow to fast	Channel 8, 10, and 11 sliders must be active. If they are set to 0, there is no effect.
			48 – 89	Built–in effect 2 speed (alternating cycle), slow to fast	
			90 – 131	Built–in effect 3 speed (fade in), slow to fast	
			132 – 173	Built–in effect 4 speed (slow pulse), slow to fast	
			174 – 215	Built–in effect 5 speed (sharp pulse), slow to fast	
			216 – 255	Built–in effect 6 speed (color fade), slow to fast	
19	Beam light macro function		0 – 4	Off (Ch 8, 9 and 13 – 16 valid/active)	
			5 – 85	Built–in effect 1 speed (color pulse), slow to fast	Channel 8 slider must be active. If it is set to 0, there is no effect.
			86 – 170	Built–in effect 2 speed (color fade), slow to fast	
			171 – 255	Built–in effect 3 speed (color cycle), slow to fast	
20	Reset		0 – 199	Off	
			200 – 209	Resets after 5 seconds	
			210 – 255	Off	

Channel	Function		Value	Description	
1	Rotation		0 – 255	0° – 360° rotation	
2	Rotation speed controls		0 – 49	Rotation speed, fast to slow	
			50 – 152	Clockwise infinite rotation, fast to slow	
			153 – 255	Counterclockwise infinite rotation, slow to fast	
3	Amber light dimmer		0 – 255	Adjust overall Amber light brightness	
4	Amber light strobe		0 – 255	Adjust srobe speed, slow to fast (1Hz – 25Hz)	
5	Amber light 1		0 – 255	Adjust individual Amber light brightness	
6	Amber light 2		0 – 255		
7	Amber light 3		0 – 255		
8	Leaf/beam color light dimmer		0 – 255	Adjust overall leaf and beam light brightness	
9	Leaf/beam color strobe		0 – 10	Off	
			11 – 255	Adjust strobe speed, slow to fast (1Hz – 25Hz)	
10	Leaf light 1	Red	0 – 255	Adjusts the 1st leaf light's red color brightness when Ch24 is null (0 – 4)	
			0 – 4	Off	When Ch 24 is null (0 – 4), channel 10 controls the 1st leaf light's red color brightness. When Ch 24 is set anywhere between 5 and 215, Channel 10 is used to set the pattern effect color.
			5 – 40	Red	
			41 – 76	Green	
			77 – 112	Blue	
			113 – 148	Yellow	
			149 – 184	Purple	
			185 – 220	Light blue	
			221 – 255	Simulated white (RGB)	
11		Green	0 – 255	Adjusts the 1st leaf lights green color brightness when Ch24 is null (0 – 4)	
			0 – 4	Off	When Ch 24 is null (0 – 4), channel 11 controls the 1st leaf light's green color brightness. When Ch 24 is set anywhere between 5 and 215, Channel 11 is used to blend a background color into the channel 10 pattern effect color selection. Each color's background brightness can be adjusted, within it's DMX range, from dark to bright.
			5 – 40	Red	
			41 – 76	Green	
			77 – 112	Blue	
			113 – 148	Yellow	
			149 – 184	Purple	
			185 – 220	Light blue	
			221 – 255	Simulated white (RGB)	
12		Blue	0 – 255	When Ch 24 is null (0 – 4), channel 12 controls the 1st leaf light's blue color brightness. When Ch 24 is set anywhere between 5 and 215, channel 12 is null.	
13	Leaf light 2	Red	0 – 255	When Ch 24 is null (0 – 4), channels 13 – 15 control the 2nd leaf light's red (ch13), green (ch14), and blue (ch15) color brightness. When Ch 24 is set anywhere between 5 and 215, channels 13 – 15 are null.	
14		Green	0 – 255		
15		Blue	0 – 255		
16	Leaf light 3	Red	0 – 255	When Ch 24 is null (0 – 4), channels 16 – 18 control the 3rd leaf light's red (ch16), green (ch17), and blue (ch18) color brightness. When Ch 24 is set anywhere between 5 and 215, channels 16 – 18 are null.	
17		Green	0 – 255		
18		Blue	0 – 255		
19	Beam light	Red	0 – 255	Adjust beam color brightness	
20		Green	0 – 255		
21		Blue	0 – 255		
22		White	0 – 255		
23	Amber light macro function		0 – 4	Off (Ch 3 – 7 valid/active)	
			5 – 85	Built–in effect 1 speed (clockwise cycle), slow to fast	Channel 3 slider must be active. If it is set to 0, there is no effect.
			86 – 170	Built–in effect 2 speed (fade in), slow to fast	
			171 – 255	Built–in effect 3 speed (sharp pulse), slow to fast	
24	Leaf color light macro function		0 – 4	Off (Ch 8 –18 valid/active)	
			5 – 47	Built–in effect 1 speed (clockwise cycle), slow to fast	Channel 8, 10, and 11 sliders must be active. If they are set to 0, there is no effect.
			48 – 89	Built–in effect 2 speed (alternating cycle), slow to fast	
			90 – 131	Built–in effect 3 speed (fade in), slow to fast	
			132 – 173	Built–in effect 4 speed (slow pulse), slow to fast	
			174 – 215	Built–in effect 5 speed (sharp pulse), slow to fast	
			216 – 255	Built–in effect 6 speed (color fade), slow to fast	

26–Channel Mode

Channel	Function	Value	Description	
25	Beam light macro function	0 – 4	Off (Ch 8 and 19 – 22 valid/active)	
		5 – 85	Built–in effect 1 speed (color pulse), slow to fast	Channel 8 slider must be active. If it is set to 0, there is no effect.
		86 – 170	Built–in effect 2 speed (color fade), slow to fast	
		171 – 255	Built–in effect 3 speed (color cycle), slow to fast	
26	Reset	0 – 199	Off	
		200 – 209	Resets after 5 seconds	
		210 – 255	Off	