

DMX Channel Index

KNV



KNV CUBE



KNV ARC

Covers fixture software version 14



Introduction

The KNV can be operated in seven different DMX modes that use from 10 to 202 DMX channels. The tables in this document list all the commands that are available in each mode.

FX engines include a wide range of dynamic patterns. You can modify any FX pattern by applying rotation, flip, offset, speed, crossfading, length and offset settings. These settings are particularly useful for creating symmetrical and synchronized action in multiple fixtures.

All seven DMX modes include a *Control / Settings* channel that lets you alter fixture settings from the DMX controller.

Percentage values in the tables are calculated by dividing DMX values by 2.56 and rounding to the nearest 0.1%.

Special notes in the tables

In the following tables:

- Default settings are indicated with **bold type**.
- Where commands are marked with an asterisk * you must send that value continuously for 3 seconds (or other duration if indicated in the table) to apply the command.
- Where LED orientation commands are marked with two asterisks ** the direction of FX pattern movement is reversed compared to the similar commands available earlier on the same channel. The orientation of the pattern itself is unchanged.

DMX control modes

The following DMX control modes are available in the KNV:

DMX Mode 1 (RGBW 16-bit, 10 channels)

- 16-bit RGBW control of all LEDs
- Shutter effects (strobe, ramp up/down etc.) on all LEDs
- Control / Settings.

DMX Mode 2 (White strobe with FX, RGB with FX, 23 channels)

- Dimmer/shutter/duration/flare effects on the white LEDs
- Powerful FX engine on the white LEDs
- Dimmer/shutter/duration/flare effects on the RGB LEDs
- Powerful FX engine on the RGB LEDs
- Control / Settings.

DMX Mode 3 (RGB strobe with FX, White 25-pixel, 40 channels)

- Dimmer/shutter/duration/flare effects on the RGB LEDs
- Powerful FX engine on the RGB LEDs
- Individual control of 25 x white LEDs with extra Shutter effects on the white pixels
- Control / Settings.

DMX Mode 4 (White strobe with FX, RGB 25-pixel, 86 channels)

- Dimmer/shutter/duration/flare effects on the white LEDs
- Powerful FX engine on the white LEDs
- Individual control of 25 x RGB pixels with extra Shutter effects on the RGB pixels
- Control / Settings.

DMX Mode 5 (Multi-layer RGBW with FX, 35 channels)

- RGBW base layer (low priority) with color mixing
- RGBW Layer 2 (medium priority) with dimmer/shutter/duration/flare effects and powerful FX engine
- RGBW Layer 3 (high priority) with dimmer/shutter/duration/flare effects and powerful FX engine
- Control / Settings.

DMX Mode 6 (RGBW 25-pixel, 8-bit, 102 channels)

- 8-bit RGBW with individual control of 25 x RGBW pixels
- Shutter effects on all LEDs as one group
- Control / Settings.

DMX Mode 7 (RGBW 25-pixel, 16-bit, 202 channels)

- 16-bit RGBW with individual control of 25 x RGBW pixels
- Shutter effects on all LEDs as one group
- Control / Settings.

DMX Mode 1: RGBW 16-bit

10 DMX Channels

Channel	Command	DMX range	Percent	Default DMX	Fade	
RGBW						
1	Red coarse	All pixels, intensity 0-100%	0-65535	0-100%	0	Fade
2	Red fine					
3	Green coarse	All pixels, intensity 0-100%	0-65535	0-100%	0	Fade
4	Green fine					
5	Blue coarse	All pixels, intensity 0-100%	0-65535	0-100%	0	Fade
6	Blue fine					
7	White coarse	All pixels, intensity 0-100%	0-65535	0-100%	0	Fade
8	White fine					
9	Shutter	Shutter closed	0-4	0-1.6%	255	Snap
		Sync ramp up slow > fast	5-39	2.0-15.3%		Fade
		Sync ramp down slow > fast	40-74	15.7-29.0%		Fade
		Sync ramp up-down slow > fast	75-109	29.4-42.7%		Fade
		Sync double flash slow > fast	110-144	43.1-56.5%		Fade
		Random pixel slow > fast	145-179	56.9-70.2%		Fade
		Random strobe slow > fast	180-214	70.6-83.9%		Fade
		Sync strobe 0.289 Hz > 16.67 Hz	215-249	84.3-97.6%		Fade
		Hyperspeed	250-252	98.0-98.8%		Snap
Open	253-255	99.2-100%	Snap			
Control / Settings						
10	Control / Settings	Idle	0-11	0-4.3%	0	Snap
		No function	12-38	4.7-14.9%		
		Dimmer flash Off*	39-41	15.3-16.1%		
		Dimmer flash On*	42-44	16.5-17.3%		
		No function	45-47	17.6-18.4%		
		Dimming curve Soft*	48-50	18.8-19.6%		
		Dimming curve Linear*	51-53	20.0-20.8%		
		No function	54-56	21.2-22.0%		
		Extra Shutter RGBW*	57-59	22.4-23.1%		
		Extra Shutter RGB only*	60-62	23.5-24.3%		
		Extra Shutter White only*	63-65	24.7-25.5%		
		No function	66-68	25.9-26.7%		
		Fan mode regulated*	69-71	27.1-27.8%		
		Fan mode high*	72-74	28.2-29.0%		
		Fan mode medium*	75-77	29.4-30.2%		
		Fan mode low*	78-80	30.6-31.4%		
		No function	81-83	31.8-32.5%		
		Display On*	84-86	32.9-33.7%		
		Display Off*	87-89	34.1-34.9%		
		Display Auto*	90-92	35.3-36.1%		
		Display invert Off*	93-95	36.5-37.3%		
		Display invert On*	96-98	37.6-38.4%		
		No DMX = Capture scene*	99-101	38.8-39.6%		
No DMX = Stand-alone*	102-104	40.0-40.8%				
No DMX = Blackout*	105-107	41.2-42.0%				
No DMX = Hold*	108-110	42.4-43.1%				
Test pattern On*	111-113	43.5-44.3%				
Test pattern Off*	114-116	44.7-45.5%				
Rotation Off*	117-119	45.9-46.7%				

	Rotate 90° *	120-122	47.1-47.8%		
	Rotate 180° *	123-125	48.2-49.0%		
	Rotate 270° *	126-128	49.4-50.2%		
	Pixel mirror Off*	129-131	50.6-51.4%		
	Pixel mirror On*	132-134	51.8-52.5%		
	White output limitation Off*	135-137	52.9-53.7%		
	White output limitation 80%*	138-140	54.1-54.9%		
	White output limitation 60%*	141-143	55.3-56.1%		
	White output limitation 40%*	144-146	56.5-57.3%		
	White output limitation 20%*	147-149	57.6-58.4%		
	White output limitation 10%*	150-152	55.8-59.6%		
	No function	153-158	60.0-62.0%		
	RGB output limitation Off%*	159-161	62.4-63.1%		
	RGB output limitation 80%*	162-164	63.5-64.3%		
	RGB output limitation 60%*	165-167	64.7-65.5%		
	RGB output limitation 40%*	168-170	65.9-66.7%		
	RGB output limitation 20%*	171-173	67.1-67.8%		
	RGB output limitation 10%*	174-176	68.2-69.0%		
	No function	177-251	69.4-98.4%		
	Reboot fixture*	252-255	98.8-100%		

DMX Mode 2: White strobe with FX, RGB with FX

23 DMX Channels

Channel	Command	DMX range	Percent	Default DMX	Fade	
Channel group A: White strobe with FX						
1	White LEDs intensity	Intensity 0-100%	0-255	0-100%	0	Fade
2	White LEDs flash duration	Flash duration 7-650 ms	0-255	0-100%	0	Fade
3	White LEDs flash rate (if FX are not active)	No flash	0-1	0-0.4%	0	Snap
		Single flash if Dimmer Flash = ON and value is changed on Ch 1				
		Flash rate 0.289-16.67 Hz	2-250	0.8-98%		Fade
		Hyperspeed	251-252	98.4-98.8%		Snap
	Continuously on	253-255	99.2-100%	Snap		
	FX speed (if FX are active)	FX speed = stop	0-1	0-0.4%		Snap
		FX speed = slow > fast	2-253	0.8-98.8%		Fade
FX speed = stop		254-255	99.2-100%	Snap		
4	White LEDs Flare effect	Off	0-9	0-3.5%	0	Snap
		Slow > fast	10-49	3.9-19.2%		Fade
		Off	50-59	19.6-23.1%		Snap
		Random slow > fast	60-109	23.5-42.7%		Fade
		Off	110-119	43.1-46.7%		Snap
		Random pixel slow > fast	120-169	47.1-66.3%		Fade
		Off	170-255	66.7-100%		Snap
5	White LEDs FX selection	FX Off	0-2	0-0.8%	0	Snap
		Sync strobe - circle mask	3-5	1.2-2.0%		
		Sync strobe - 4 dot mask	6-8	2.4-3.1%		
		Sync strobe - 1 dot mask	9-11	3.5-4.3%		
		Random strobe - all	12-14	4.7-5.5%		
		Random strobe - circle mask	15-17	5.9-6.7%		
		Random strobe - 4 dot mask	18-20	7.1-7.8%		
		Random strobe - 1 dot mask	21-23	8.2-9.0%		
		Lite in/out - all	24-26	9.4-10.2%		
		Lite in/out - circle mask	27-29	10.6-11.4%		
		Lite in/out - 4 dot mask	30-32	11.8-12.6%		
		Lite in/out - 1 dot mask	33-35	12.9-13.7%		
		Snake	36-38	14.1-14.9%		
		Raindrops	39-41	15.3-16.1%		
		Random pixel	42-44	16.5-17.3%		
		Random fake x 2	45-47	17.6-18.4%		
		Random fake x 4	48-50	18.8-19.6%		
		Line	51-53	20.0-20.8%		
		Double line	54-56	21.2-22.0%		
		Corner to corner line	57-59	22.4-23.1%		
		Tilted double lines	60-62	23.5-24.3%		
		Tilted double lines in to out	63-65	24.7-25.5%		
		Center line running dot	66-68	25.9-26.7%		
		Middle line running dot	69-71	27.1-27.8%		
Outer line running dot	72-74	28.2-29.0%				
Corner to corner	75-77	29.4-30.2%				
Arrow	78-80	30.6-31.4%				
Wave	81-83	31.8-32.5%				
Wheel	84-86	32.9-33.7%				

		Half wheel	87-89	34.1-34.9%		
		Circling dot	90-92	35.3-36.1%		
		Outer circle	93-95	36.5-37.3%		
		Inner circle	96-98	37.6-38.4%		
		Outer 4 dots	99-101	38.8-39.6%		
		Outer single dot	102-104	40.0-40.8%		
		Middle single dot	105-107	41.2-42.0%		
		Spinning 2x1 dots	108-110	42.4-43.1%		
		Asymmetrical 4 dots	111-113	43.5-44.3%		
		Symmetrical 4 dots	114-116	44.7-45.5%		
		Square	117-119	45.9-46.7%		
		Inside out	120-122	47.1-48.8%		
		Inside out 2	123-125	48.2-49.0%		
		Abstract 1	126-128	49.4-50.2%		
		Abstract 2	129-131	50.6-51.4%		
		Abstract 3	132-134	51.8-52.5%		
		Hash tag	135-137	52.9-53.7%		
		Flip flop	138-140	54.1-54.9%		
		Jumping slash	141-143	55.3-56.1%		
		Jumping 'L'	144-146	56.5-57.3%		
		Jumping pins	147-149	57.6-58.4%		
		Off - No Strobe or FX	150-255	58.8-100%		
6	White LEDs FX crossfade time	Off	0-1	0-0.4%	0	Snap
		Crossfade fast > slow	2-127	0.8-49.8%		Fade
		Crossfade and tail slow > fast	128-255	50.2-100%		Fade
7	White LEDs orientation	Off	0-4	0-1.6%	0	Snap
		Rotate 90°	5-9	2.0-3.5%		
		Rotate 180°	10-14	3.9-5.5%		
		Rotate 270°	15-19	5.9-7.5%		
		Horizontal flip	20-24	7.8-9.4%		
		Rotate 90° & vertical flip	25-29	9.8-11.4%		
		Rotate 180° & horizontal flip	30-34	11.8-13.3%		
		Rotate 270° & vertical flip	35-39	13.7-15.3%		
		Off	40-44	15.7-17.3%		
		Random rotate & flip	45-49	17.7-19.2%		
		Random position	50-54	19.6-21.2%		
		Fix 90° rotation & random position	55-59	21.6-23.1%		
		Fix 180° rotation & random position	60-64	23.5-25.1%		
		Fix 270° rotation & random position	65-69	25.5-27.1%		
		Off	70-74	27.5-29.0%		
		Bounce	75-79	29.4-31.0%		
		Bounce & rotate 90°	80-84	31.4-32.9%		
		Bounce & rotate 180°	85-89	33.3-34.9%		
		Bounce & rotate 270°	90-94	35.3-36.9%		
		Off	95-99	37.3-38.8%		
		Rotate CCW at end	100-104	39.2-40.8%		
		Rotate CW at end	105-109	41.2-42.7%		
		Random rotate at end	110-114	43.1-44.7%		
		Off	115-134	45.1-52.5%		
		Rotate 90° **	135-139	52.9-54.5%		
		Rotate 180° **	140-144	54.9-56.5%		
		Rotate 270° **	145-149	56.9-58.4%		
Horizontal flip **	150-154	58.8-60.4%				
Rotate 90° & vertical flip **	155-159	60.8-62.4%				
Rotate 180° & horizontal flip **	160-164	62.7-64.3%				
Rotate 270° & vertical flip **	165-169	64.7-66.3%				

		Off	170-174	66.7-68.2%		
		Random Rotate & flip **	175-179	68.6-70.2%		
		Random position **	180-184	70.6-72.2%		
		Fix 90° rotation & random posn. **	185-189	72.5-74.1%		
		Fix 180° rotation & random posn. **	190-194	74.5-76.1%		
		Fix 270° rotation & random posn. **	195-199	76.5-78.0%		
		Off	200-204	78.4-80.0%		
		Bounce **	205-209	80.4-82.0%		
		Bounce & rotate 90° **	210-214	82.4-83.9%		
		Bounce & rotate 180° **	215-219	84.3-85.9%		
		Bounce & rotate 270° **	220-224	86.3-87.8%		
		Off	225-229	88.2-89.8%		
		Rotate CCW at end **	230-234	90.2-91.8%		
		Rotate CW at end **	235-239	92.2-93.7%		
		Random rotate at end **	240-244	94.1-95.7%		
		Off	245-255	96.1-100%		
8	White LEDs FX offset	0-100%	0-255	0-100%	0	Fade
9	White LEDs FX length	0-100%	0-255	0-100%	0	Fade
Channel group B: RGB strobe with FX						
10	RGB LEDs dimmer	Intensity 0-100%	0-255	0-100%	0	Fade
11	RGB LEDs flash duration	Flash duration 7-650 ms	0-255	0-100%	0	Fade
12	RGB LEDs flash rate (if FX are not active)	No flash	0-1	0-0.4%	0	Snap
		Flash rate 0.289-16.67 Hz	2-250	0.8-98%		Fade
		Hyperspeed	251-254	98.4-99.6%		Snap
		Continuously on	255	100%		Snap
	FX speed (if FX are active)	FX speed = stop	0-1	0-0.4%		Snap
		FX speed = slow > fast	2-253	0.8-98.8%		Fade
		FX speed = stop	254-255	99.2-100%		Snap
13	Red	Red intensity 0-100%	0-255	0-100%	255	Fade
14	Green	Green intensity 0-100%	0-255	0-100%	255	Fade
15	Blue	Blue intensity 0-100%	0-255	0-100%	255	Fade
16	RGB LEDs Flare effect	Off	0-9	0-3.5%	0	Snap
		Slow > fast	10-49	3.9-19.2%		Fade
		Off	50-59	19.6-23.1%		Snap
		Random slow > fast	60-109	23.5-42.7%		Fade
		Off	110-119	43.1-46.7%		Snap
		Random pixel slow > fast	120-169	47.1-66.3%		Fade
		Off	170-255	66.7-100%		Snap
17	RGB LEDs FX selection	FX Off	0-2	0-0.8%	0	Snap
		Sync strobe - circle mask	3-5	1.2-2.0%		
		Sync strobe - 4 dot mask	6-8	2.4-3.1%		
		Sync strobe - 1 dot mask	9-11	3.5-4.3%		
		Random strobe - all	12-14	4.7-5.5%		
		Random strobe - circle mask	15-17	5.9-6.7%		
		Random strobe - 4 dot mask	18-20	7.1-7.8%		
		Random strobe - 1 dot mask	21-23	8.2-9.0%		
		Lite in/out - all	24-26	9.4-10.2%		
		Lite in/out - circle mask	27-29	10.6-11.4%		
		Lite in/out - 4 dot mask	30-32	11.8-12.6%		
		Lite in/out - 1 dot mask	33-35	12.9-13.7%		
		Snake	36-38	14.1-14.9%		
		Raindrops	39-41	15.3-16.1%		
		Random pixel	42-44	16.5-17.3%		
Random fake x 2	45-47	17.6-18.4%				

		Random fake x 4	48-50	18.8-19.6%		
		Line	51-53	20.0-20.8%		
		Double line	54-56	21.2-22.0%		
		Corner to corner line	57-59	22.4-23.1%		
		Tilted double lines	60-62	23.5-24.3%		
		Tilted double lines in to out	63-65	24.7-25.5%		
		Center line running dot	66-68	25.9-26.7%		
		Middle line running dot	69-71	27.1-27.8%		
		Outer line running dot	72-74	28.2-29.0%		
		Corner to corner	75-77	29.4-30.2%		
		Arrow	78-80	30.6-31.4%		
		Wave	81-83	31.8-32.5%		
		Wheel	84-86	32.9-33.7%		
		Half wheel	87-89	34.1-34.9%		
		Circling dot	90-92	35.3-36.1%		
		Outer circle	93-95	36.5-37.3%		
		Inner circle	96-98	37.6-38.4%		
		Outer 4 dots	99-101	38.8-39.6%		
		Outer single dot	102-104	40.0-40.8%		
		Middle single dot	105-107	41.2-42.0%		
		Spinning 2x1 dots	108-110	42.4-43.1%		
		Asymmetrical 4 dots	111-113	43.5-44.3%		
		Symmetrical 4 dots	114-116	44.7-45.5%		
		Square	117-119	45.9-46.7%		
		Inside out	120-122	47.1-48.8%		
		Inside out 2	123-125	48.2-49.0%		
		Abstract 1	126-128	49.4-50.2%		
		Abstract 2	129-131	50.6-51.4%		
		Abstract 3	132-134	51.8-52.5%		
		Hash tag	135-137	52.9-53.7%		
		Flip flop	138-140	54.1-54.9%		
		Jumping slash	141-143	55.3-56.1%		
		Jumping 'L'	144-146	56.5-57.3%		
		Jumping pins	147-149	57.6-58.4%		
		Off - No Strobe or FX	150-255	58.8-100%		
18	RGB LEDs FX crossfade time	Off	0-1	0-0.4%	0	Snap
		Crossfade fast > slow	2-127	0.8-49.8%		Fade
		Crossfade and tail slow > fast	128-255	50.2-100%		Fade
19	RGB LEDs orientation	Off	0-4	0-1.6%	0	Snap
		Rotate 90°	5-9	2.0-3.5%		
		Rotate 180°	10-14	3.9-5.5%		
		Rotate 270°	15-19	5.9-7.5%		
		Horizontal flip	20-24	7.8-9.4%		
		Rotate 90° & vertical flip	25-29	9.8-11.4%		
		Rotate 180° & horizontal flip	30-34	11.8-13.3%		
		Rotate 270° & vertical flip	35-39	13.7-15.3%		
		Off	40-44	15.7-17.3%		
		Random rotate & flip	45-49	17.7-19.2%		
		Random position	50-54	19.6-21.2%		
		Fix 90° rotation & random position	55-59	21.6-23.1%		
		Fix 180° rotation & random position	60-64	23.5-25.1%		
		Fix 270° rotation & random position	65-69	25.5-27.1%		
		Off	70-74	27.5-29.0%		
		Bounce	75-79	29.4-31.0%		
Bounce & rotate 90°	80-84	31.4-32.9%				
Bounce & rotate 180°	85-89	33.3-34.9%				

		Bounce & rotate 270°	90-94	35.3-36.9%		
		Off	95-99	37.3-38.8%		
		Rotate CCW at end	100-104	39.2-40.8%		
		Rotate CW at end	105-109	41.2-42.7%		
		Random rotate at end	110-114	43.1-44.7%		
		Off	115-134	45.1-52.5%		
		Rotate 90° **	135-139	52.9-54.5%		
		Rotate 180° **	140-144	54.9-56.5%		
		Rotate 270° **	145-149	56.9-58.4%		
		Horizontal flip **	150-154	58.8-60.4%		
		Rotate 90° & vertical flip **	155-159	60.8-62.4%		
		Rotate 180° & horizontal flip **	160-164	62.7-64.3%		
		Rotate 270° & vertical flip **	165-169	64.7-66.3%		
		Off	170-174	66.7-68.2%		
		Random Rotate & flip **	175-179	68.6-70.2%		
		Random position **	180-184	70.6-72.2%		
		Fix 90° rotation & random posn. **	185-189	72.5-74.1%		
		Fix 180° rotation & random posn. **	190-194	74.5-76.1%		
		Fix 270° rotation & random posn. **	195-199	76.5-78.0%		
		Off	200-204	78.4-80.0%		
		Bounce **	205-209	80.4-82.0%		
		Bounce & rotate 90° **	210-214	82.4-83.9%		
		Bounce & rotate 180° **	215-219	84.3-85.9%		
		Bounce & rotate 270° **	220-224	86.3-87.8%		
		Off	225-229	88.2-89.8%		
		Rotate CCW at end **	230-234	90.2-91.8%		
		Rotate CW at end **	235-239	92.2-93.7%		
		Random rotate at end **	240-244	94.1-95.7%		
		Off	245-255	96.1-100%		
20	RGB LEDs FX offset	0-100%	0-255	0-100%	0	Fade
21	RGB LEDs FX length	0-100%	0-255	0-100%	0	Fade
22	RGB LEDs color generator	Off	0-9	0-3.5%	0	Snap
		Random all pixels RGBCMY	10-19	3.9-7.5%		Snap
		Random single pixel RGBCMY	20-29	7.8-11.4%		Snap
		Random all pixels bright colors	30-39	11.8-15.3%		Snap
		Random single pixel bright colors	40-49	15.7-19.2%		Snap
		Red / Blue	50-59	19.6-23.1%		Snap
		Red / Green	60-69	23.5-27.1%		Snap
		Blue / Green	70-79	27.5-31.0%		Snap
		Yellow / Magenta	80-89	31.4-34.9%		Snap
		Yellow / Cyan	90-99	35.3-38.8%		Snap
		Cyan / Magenta	100-109	39.2-42.7%		Snap
		Yellow / Blue	110-119	43.1-46.7%		Snap
		Green / Magenta	120-129	47.1-50.6%		Snap
		Red / Green / Blue	130-139	51.0-54.5%		Snap
		Red / Yellow / Blue	140-149	54.9-58.4%		Snap
		Red / Green / Blue / Yellow / Magenta / Cyan	150-159	58.8%-62.4%		Snap
		Red / Green / Blue - Horizontal line	160-169	62.7-66.3%		Snap
		Red / Green / Blue - Vertical line	170-179	66.7-70.2%		Snap
		No function	180-219	70.6-85.9%		Snap
		Color scroll, slow -> fast	220-229	86.3-89.8%		Fade
		Lite in	230-239	90.2-93.7%		Snap
		Lite out	240-249	94.1-97.6%		Snap
Off	250-255	98.0-100%	Snap			

Control / Settings						
23	Control / Settings	Idle	0-11	0-4.3%	0	Snap
		No function	12-38	4.7-14.9%		
		Dimmer flash Off*	39-41	15.3-16.1%		
		Dimmer flash On*	42-44	16.5-17.3%		
		No function	45-47	17.6-18.4%		
		Dimming curve Soft*	48-50	18.8-19.6%		
		Dimming curve Linear*	51-53	20.0-20.8%		
		No function	54-68	21.2-26.7%		
		Fan mode regulated*	69-71	27.1-27.8%		
		Fan mode high*	72-74	28.2-29.0%		
		Fan mode medium*	75-77	29.4-30.2%		
		Fan mode low*	78-80	30.6-31.4%		
		No function	81-83	31.8-32.5%		
		Display On*	84-86	32.9-33.7%		
		Display Off*	87-89	34.1-34.9%		
		Display Auto*	90-92	35.3-36.1%		
		Display invert Off*	93-95	36.5-37.3%		
		Display invert On*	96-98	37.6-38.4%		
		No DMX = Capture scene*	99-101	38.8-39.6%		
		No DMX = Stand-alone*	102-104	40.0-40.8%		
		No DMX = Blackout*	105-107	41.2-42.0%		
		No DMX = Hold*	108-110	42.4-43.1%		
		Test pattern On*	111-113	43.5-44.3%		
		Test pattern Off*	114-116	44.7-45.5%		
		Rotation Off*	117-119	45.9-46.7%		
		Rotate 90° *	120-122	47.1-47.8%		
		Rotate 180° *	123-125	48.2-49.0%		
		Rotate 270° *	126-128	49.4-50.2%		
		Pixel mirror Off*	129-131	50.6-51.4%		
		Pixel mirror On*	132-134	51.8-52.5%		
		White output limitation Off*	135-137	52.9-53.7%		
		White output limitation 80%*	138-140	54.1-54.9%		
		White output limitation 60%*	141-143	55.3-56.1%		
		White output limitation 40%*	144-146	56.5-57.3%		
		White output limitation 20%*	147-149	57.6-58.4%		
		White output limitation 10%*	150-152	55.8-59.6%		
		No function	153-158	60.0-62.0%		
		RGB output limitation Off*	159-161	62.4-63.1%		
		RGB output limitation 80%*	162-164	63.5-64.3%		
		RGB output limitation 60%*	165-167	64.7-65.5%		
		RGB output limitation 40%*	168-170	65.9-66.7%		
		RGB output limitation 20%*	171-173	67.1-67.8%		
RGB output limitation 10%*	174-176	68.2-69.0%				
No function	177-251	69.4-98.4%				
Reboot fixture*	252-255	98.8-100%				

DMX Mode 3: RGB strobe with FX, White 25-pixel

40 DMX Channels

Channel	Command	DMX range	Percent	Default DMX	Fade	
Channel group A: RGB strobe with FX						
1	RGB LEDs dimmer	Intensity 0-100%	0-255	0-100%	0	Fade
2	RGB LEDs flash duration	Flash duration 7-650 ms	0-255	0-100%	255	Fade
3	RGB LEDs flash rate (if FX not active)	No flash	0-1	0-0.4%	0	Snap
		Single flash if Dimmer Flash = ON and value is changed on Ch 1				
		Flash rate 0.289-16.67 Hz	2-250	0.8-98%		Fade
		Hyperspeed	251-254	98.4-99.6%		Snap
	Continuously on	255	100%	Snap		
	RGB LEDs FX speed (if FX active)	FX speed = stop	0-1	0-0.4%		Snap
		FX speed = slow > fast	2-253	0.8-98.8%		Fade
FX speed = stop		254-255	99.2-100%	Snap		
4	Red	Red intensity 0-100%	0-255	0-100%	255	Fade
5	Green	Green intensity 0-100%	0-255	0-100%	255	Fade
6	Blue	Blue intensity 0-100%	0-255	0-100%	255	Fade
7	RGB LEDs Flare effect	Off	0-9	0-3.5%	0	Snap
		Slow > fast	10-49	3.9-19.2%		Fade
		Off	50-59	19.6-23.1%		Snap
		Random slow > fast	60-109	23.5-42.7%		Fade
		Off	110-119	43.1-46.7%		Snap
		Random pixel slow > fast	120-169	47.1-66.3%		Fade
		Off	170-255	66.7-100%		Snap
8	RGB LEDs FX selection	FX Off	0-2	0-0.8%	0	Snap
		Sync strobe - circle mask	3-5	1.2-2.0%		
		Sync strobe - 4 dot mask	6-8	2.4-3.1%		
		Sync strobe - 1 dot mask	9-11	3.5-4.3%		
		Random strobe - all	12-14	4.7-5.5%		
		Random strobe - circle mask	15-17	5.9-6.7%		
		Random strobe - 4 dot mask	18-20	7.1-7.8%		
		Random strobe - 1 dot mask	21-23	8.2-9.0%		
		Lite in/out - all	24-26	9.4-10.2%		
		Lite in/out - circle mask	27-29	10.6-11.4%		
		Lite in/out - 4 dot mask	30-32	11.8-12.6%		
		Lite in/out - 1 dot mask	33-35	12.9-13.7%		
		Snake	36-38	14.1-14.9%		
		Raindrops	39-41	15.3-16.1%		
		Random pixel	42-44	16.5-17.3%		
		Random fake x 2	45-47	17.6-18.4%		
		Random fake x 4	48-50	18.8-19.6%		
		Line	51-53	20.0-20.8%		
		Double line	54-56	21.2-22.0%		
		Corner to corner line	57-59	22.4-23.1%		
		Tilted double lines	60-62	23.5-24.3%		
		Tilted double lines in to out	63-65	24.7-25.5%		
		Center line running dot	66-68	25.9-26.7%		
Middle line running dot	69-71	27.1-27.8%				
Outer line running dot	72-74	28.2-29.0%				
Corner to corner	75-77	29.4-30.2%				
Arrow	78-80	30.6-31.4%				

		Wave	81-83	31.8-32.5%		
		Wheel	84-86	32.9-33.7%		
		Half wheel	87-89	34.1-34.9%		
		Circling dot	90-92	35.3-36.1%		
		Outer circle	93-95	36.5-37.3%		
		Inner circle	96-98	37.6-38.4%		
		Outer 4 dots	99-101	38.8-39.6%		
		Outer single dot	102-104	40.0-40.8%		
		Middle single dot	105-107	41.2-42.0%		
		Spinning 2x1 dots	108-110	42.4-43.1%		
		Asymmetrical 4 dots	111-113	43.5-44.3%		
		Symmetrical 4 dots	114-116	44.7-45.5%		
		Square	117-119	45.9-46.7%		
		Inside out	120-122	47.1-48.8%		
		Inside out 2	123-125	48.2-49.0%		
		Abstract 1	126-128	49.4-50.2%		
		Abstract 2	129-131	50.6-51.4%		
		Abstract 3	132-134	51.8-52.5%		
		Hash tag	135-137	52.9-53.7%		
		Flip flop	138-140	54.1-54.9%		
		Jumping slash	141-143	55.3-56.1%		
		Jumping 'L'	144-146	56.5-57.3%		
		Jumping pins	147-149	57.6-58.4%		
		Off - No Strobe or FX	150-255	58.8-100%		
9	RGB LEDs FX crossfade time	Off	0-1	0-0.4%	0	Snap
		Crossfade fast > slow	2-127	0.8-49.8%		Fade
		Crossfade and tail slow > fast	128-255	50.2-100%		Fade
10	RGB LEDs orientation	Off	0-4	0-1.6%	0	Snap
		Rotate 90°	5-9	2.0-3.5%		
		Rotate 180°	10-14	3.9-5.5%		
		Rotate 270°	15-19	5.9-7.5%		
		Horizontal flip	20-24	7.8-9.4%		
		Rotate 90° & vertical flip	25-29	9.8-11.4%		
		Rotate 180° & horizontal flip	30-34	11.8-13.3%		
		Rotate 270° & vertical flip	35-39	13.7-15.3%		
		Off	40-44	15.7-17.3%		
		Random rotate & flip	45-49	17.7-19.2%		
		Random position	50-54	19.6-21.2%		
		Fix 90° rotation & random position	55-59	21.6-23.1%		
		Fix 180° rotation & random position	60-64	23.5-25.1%		
		Fix 270° rotation & random position	65-69	25.5-27.1%		
		Off	70-74	27.5-29.0%		
		Bounce	75-79	29.4-31.0%		
		Bounce & rotate 90°	80-84	31.4-32.9%		
		Bounce & rotate 180°	85-89	33.3-34.9%		
		Bounce & rotate 270°	90-94	35.3-36.9%		
		Off	95-99	37.3-38.8%		
		Rotate CCW at end	100-104	39.2-40.8%		
		Rotate CW at end	105-109	41.2-42.7%		
		Random rotate at end	110-114	43.1-44.7%		
		Off	115-134	45.1-52.5%		
		Rotate 90° **	135-139	52.9-54.5%		
		Rotate 180° **	140-144	54.9-56.5%		
		Rotate 270° **	145-149	56.9-58.4%		
Horizontal flip **	150-154	58.8-60.4%				
Rotate 90° & vertical flip **	155-159	60.8-62.4%				

		Rotate 180° & horizontal flip **	160-164	62.7-64.3%		
		Rotate 270° & vertical flip **	165-169	64.7-66.3%		
		Off	170-174	66.7-68.2%		
		Random Rotate & flip **	175-179	68.6-70.2%		
		Random position **	180-184	70.6-72.2%		
		Fix 90° rotation & random posn. **	185-189	72.5-74.1%		
		Fix 180° rotation & random posn. **	190-194	74.5-76.1%		
		Fix 270° rotation & random posn. **	195-199	76.5-78.0%		
		Off	200-204	78.4-80.0%		
		Bounce **	205-209	80.4-82.0%		
		Bounce & rotate 90° **	210-214	82.4-83.9%		
		Bounce & rotate 180° **	215-219	84.3-85.9%		
		Bounce & rotate 270° **	220-224	86.3-87.8%		
		Off	225-229	88.2-89.8%		
		Rotate CCW at end **	230-234	90.2-91.8%		
		Rotate CW at end **	235-239	92.2-93.7%		
		Random rotate at end **	240-244	94.1-95.7%		
		Off	245-255	96.1-100%		
11	RGB LEDs FX offset	0-100%	0-255	0-100%	0	Fade
12	RGB LEDs FX length	0-100%	0-255	0-100%	0	Fade
13	RGB LEDs color generator	Off	0-9	0-3.5%	0	Snap
		Random all pixels RGBCMY	10-19	3.9-7.5%		Snap
		Random single pixel RGBCMY	20-29	7.8-11.4%		Snap
		Random all pixels bright colors	30-39	11.8-15.3%		Snap
		Random single pixel bright colors	40-49	15.7-19.2%		Snap
		Red / Blue	50-59	19.6-23.1%		Snap
		Red / Green	60-69	23.5-27.1%		Snap
		Blue / Green	70-79	27.5-31.0%		Snap
		Yellow / Magenta	80-89	31.4-34.9%		Snap
		Yellow / Cyan	90-99	35.3-38.8%		Snap
		Cyan / Magenta	100-109	39.2-42.7%		Snap
		Yellow / Blue	110-119	43.1-46.7%		Snap
		Green / Magenta	120-129	47.1-50.6%		Snap
		Red / Green / Blue	130-139	51.0-54.5%		Snap
		Red / Yellow / Blue	140-149	54.9-58.4%		Snap
		Red / Green / Blue / Yellow / Magenta / Cyan	150-159	58.8%-62.4%		Snap
		Red / Green / Blue - Horizontal line	160-169	62.7-66.3%		Snap
		Red / Green / Blue - Vertical line	170-179	66.7-70.2%		Snap
		No function	180-219	70.6-85.9%		Snap
		Color scroll, slow -> fast	220-229	86.3-89.8%		Fade
		Lite in	230-239	90.2-93.7%		Snap
		Lite out	240-249	94.1-97.6%		Snap
		Off	250-255	98.0-100%		Snap

Channel group B: White 25-pixel						
14	White pixel 1	Intensity 0-100%	0-255	0-100%	0	fade
15	White pixel 2	Intensity 0-100%	0-255	0-100%	0	fade
16	White pixel 3	Intensity 0-100%	0-255	0-100%	0	fade
17	White pixel 4	Intensity 0-100%	0-255	0-100%	0	fade
18	White pixel 5	Intensity 0-100%	0-255	0-100%	0	fade
19	White pixel 6	Intensity 0-100%	0-255	0-100%	0	fade
20	White pixel 7	Intensity 0-100%	0-255	0-100%	0	fade
21	White pixel 8	Intensity 0-100%	0-255	0-100%	0	fade
22	White pixel 9	Intensity 0-100%	0-255	0-100%	0	fade
23	White pixel 10	Intensity 0-100%	0-255	0-100%	0	fade
24	White pixel 11	Intensity 0-100%	0-255	0-100%	0	fade
25	White pixel 12	Intensity 0-100%	0-255	0-100%	0	fade
26	White pixel 13	Intensity 0-100%	0-255	0-100%	0	fade
27	White pixel 14	Intensity 0-100%	0-255	0-100%	0	fade
28	White pixel 15	Intensity 0-100%	0-255	0-100%	0	fade
29	White pixel 16	Intensity 0-100%	0-255	0-100%	0	fade
30	White pixel 17	Intensity 0-100%	0-255	0-100%	0	fade
31	White pixel 18	Intensity 0-100%	0-255	0-100%	0	fade
32	White pixel 19	Intensity 0-100%	0-255	0-100%	0	fade
33	White pixel 20	Intensity 0-100%	0-255	0-100%	0	fade
34	White pixel 21	Intensity 0-100%	0-255	0-100%	0	fade
35	White pixel 22	Intensity 0-100%	0-255	0-100%	0	fade
36	White pixel 23	Intensity 0-100%	0-255	0-100%	0	fade
37	White pixel 24	Intensity 0-100%	0-255	0-100%	0	fade
38	White pixel 25	Intensity 0-100%	0-255	0-100%	0	fade
39	White LEDs shutter	Shutter closed	0-4	0-1.6%	255	Snap
		Sync ramp up slow > fast	5-39	2.0-15.3%		Fade
		Sync ramp down slow > fast	40-74	15.7-29.0%		Fade
		Sync ramp up-down slow > fast	75-109	29.4-42.7%		Fade
		Sync double flash slow > fast	110-144	43.1-56.5%		Fade
		Pixel Flare effect slow > fast	145-179	56.9-70.2%		Fade
		Random strobe slow > fast	180-214	70.6-83.9%		Fade
		Sync strobe 0.289 Hz > 16.67 Hz	215-249	84.3-97.6%		Fade
		Hyperspeed	250-252	98.0-98.8%		Snap
Open	253-255	99.2-100%	Snap			
Control / Settings						
40	Control / Settings	Idle	0-11	0-4.3%	0	Snap
		No function	12-38	4.7-14.9%		
		Dimmer flash Off*	39-41	15.3-16.1%		
		Dimmer flash On*	42-44	16.5-17.3%		
		No function	45-47	17.6-18.4%		
		Dimming curve Soft*	48-50	18.8-19.6%		
		Dimming curve Linear*	51-53	20.0-20.8%		
		No function	54-68	21.2-26.7%		
		Fan mode regulated*	69-71	27.1-27.8%		
		Fan mode high*	72-74	28.2-29.0%		
		Fan mode medium*	75-77	29.4-30.2%		
		Fan mode low*	78-80	30.6-31.4%		
		No function	81-83	31.8-32.5%		
		Display On*	84-86	32.9-33.7%		
		Display Off*	87-89	34.1-34.9%		
Display Auto*	90-92	35.3-36.1%				
Display invert Off*	93-95	36.5-37.3%				

	Display invert On*	96-98	37.6-38.4%		
	No DMX = Capture scene*	99-101	38.8-39.6%		
	No DMX = Stand-alone*	102-104	40.0-40.8%		
	No DMX = Blackout*	105-107	41.2-42.0%		
	No DMX = Hold*	108-110	42.4-43.1%		
	Test pattern On*	111-113	43.5-44.3%		
	Test pattern Off*	114-116	44.7-45.5%		
	Rotation Off*	117-119	45.9-46.7%		
	Rotate 90° *	120-122	47.1-47.8%		
	Rotate 180° *	123-125	48.2-49.0%		
	Rotate 270° *	126-128	49.4-50.2%		
	Pixel mirror Off*	129-131	50.6-51.4%		
	Pixel mirror On*	132-134	51.8-52.5%		
	White output limitation Off*	135-137	52.9-53.7%		
	White output limitation 80%*	138-140	54.1-54.9%		
	White output limitation 60%*	141-143	55.3-56.1%		
	White output limitation 40%*	144-146	56.5-57.3%		
	White output limitation 20%*	147-149	57.6-58.4%		
	White output limitation 10%*	150-152	55.8-59.6%		
	No function	153-158	60.0-62.0%		
	RGB output limitation Off%*	159-161	62.4-63.1%		
	RGB output limitation 80%*	162-164	63.5-64.3%		
	RGB output limitation 60%*	165-167	64.7-65.5%		
	RGB output limitation 40%*	168-170	65.9-66.7%		
	RGB output limitation 20%*	171-173	67.1-67.8%		
	RGB output limitation 10%*	174-176	68.2-69.0%		
	No function	177-251	69.4-98.4%		
	Reboot fixture*	252-255	98.8-100%		

DMX Mode 4: White strobe with FX, RGB 25-pixel

86 DMX Channels

Channel	Command	DMX range	Percent	Default DMX	Fade	
Channel group A: White strobe with FX						
1	White LEDs dimmer	Intensity 0-100%	0-255	0-100%	0 Fade	
2	White LEDs flash duration	Flash duration 7-650 ms	0-255	0-100%	0 Fade	
3	White LEDs flash rate (if FX are not active)	No flash	0-1	0-0.4%	0	Snap
		Single flash if Dimmer Flash = ON and value is changed on Ch 1				
		Flash rate 0,289-16.67 Hz	2-250	0.8-98%		Fade
		Hyperspeed	251-252	98.4-98.8%		Snap
	Continuously on	253-255	99.2-100%	Snap		
	FX speed (If FX are active)	FX speed = stop	0-1	0-0.4%		Snap
		FX speed = slow > fast	2-253	0.8-98.8%		Fade
FX speed = stop		254-255	99.2-100%	Snap		
4	White LEDs Flare effect	Off	0-9	0-3.5%	0	Snap
		Slow > fast	10-49	3.9-19.2%		Fade
		Off	50-59	19.6-23.1%		Snap
		Random slow > fast	60-109	23.5-42.7%		Fade
		Off	110-119	43.1-46.7%		Snap
		Random pixel slow > fast	120-169	47.1-66.3%		Fade
		Off	170-255	66.7-100%		Snap
5	White LEDs FX selection	FX Off	0-2	0-0.8%	0	Snap
		Sync strobe - circle mask	3-5	1.2-2.0%		
		Sync strobe - 4 dot mask	6-8	2.4-3.1%		
		Sync strobe - 1 dot mask	9-11	3.5-4.3%		
		Random strobe - all	12-14	4.7-5.5%		
		Random strobe - circle mask	15-17	5.9-6.7%		
		Random strobe - 4 dot mask	18-20	7.1-7.8%		
		Random strobe - 1 dot mask	21-23	8.2-9.0%		
		Lite in/out - all	24-26	9.4-10.2%		
		Lite in/out - circle mask	27-29	10.6-11.4%		
		Lite in/out - 4 dot mask	30-32	11.8-12.6%		
		Lite in/out - 1 dot mask	33-35	12.9-13.7%		
		Snake	36-38	14.1-14.9%		
		Raindrops	39-41	15.3-16.1%		
		Random pixel	42-44	16.5-17.3%		
		Random fake x 2	45-47	17.6-18.4%		
		Random fake x 4	48-50	18.8-19.6%		
		Line	51-53	20.0-20.8%		
		Double line	54-56	21.2-22.0%		
		Corner to corner line	57-59	22.4-23.1%		
		Tilted double lines	60-62	23.5-24.3%		
		Tilted double lines in to out	63-65	24.7-25.5%		
		Center line running dot	66-68	25.9-26.7%		
		Middle line running dot	69-71	27.1-27.8%		
		Outer line running dot	72-74	28.2-29.0%		
		Corner to corner	75-77	29.4-30.2%		
		Arrow	78-80	30.6-31.4%		
Wave	81-83	31.8-32.5%				
Wheel	84-86	32.9-33.7%				
Half wheel	87-89	34.1-34.9%				

		Circling dot	90-92	35.3-36.1%		
		Outer circle	93-95	36.5-37.3%		
		Inner circle	96-98	37.6-38.4%		
		Outer 4 dots	99-101	38.8-39.6%		
		Outer single dot	102-104	40.0-40.8%		
		Middle single dot	105-107	41.2-42.0%		
		Spinning 2x1 dots	108-110	42.4-43.1%		
		Asymmetrical 4 dots	111-113	43.5-44.3%		
		Symmetrical 4 dots	114-116	44.7-45.5%		
		Square	117-119	45.9-46.7%		
		Inside out	120-122	47.1-48.8%		
		Inside out 2	123-125	48.2-49.0%		
		Abstract 1	126-128	49.4-50.2%		
		Abstract 2	129-131	50.6-51.4%		
		Abstract 3	132-134	51.8-52.5%		
		Hash tag	135-137	52.9-53.7%		
		Flip flop	138-140	54.1-54.9%		
		Jumping slash	141-143	55.3-56.1%		
		Jumping 'L'	144-146	56.5-57.3%		
		Jumping pins	147-149	57.6-58.4%		
		Off - No Strobe, no FX	150-255	58.8-100%		
6	White LEDs FX crossfade time	Off	0-1	0-0.4%	0	Snap
		Crossfade fast > slow	2-127	0.8-49.8%		Fade
		Crossfade and tail slow > fast	128-255	50.2-100%		Fade
7	White LEDs orientation	Off	0-4	0-1.6%	0	Snap
		Rotate 90°	5-9	2.0-3.5%		
		Rotate 180°	10-14	3.9-5.5%		
		Rotate 270°	15-19	5.9-7.5%		
		Horizontal flip	20-24	7.8-9.4%		
		Rotate 90° & vertical flip	25-29	9.8-11.4%		
		Rotate 180° & horizontal flip	30-34	11.8-13.3%		
		Rotate 270° & vertical flip	35-39	13.7-15.3%		
		Off	40-44	15.7-17.3%		
		Random rotate & flip	45-49	17.7-19.2%		
		Random position	50-54	19.6-21.2%		
		Fix 90° rotation & random position	55-59	21.6-23.1%		
		Fix 180° rotation & random position	60-64	23.5-25.1%		
		Fix 270° rotation & random position	65-69	25.5-27.1%		
		Off	70-74	27.5-29.0%		
		Bounce	75-79	29.4-31.0%		
		Bounce & rotate 90°	80-84	31.4-32.9%		
		Bounce & rotate 180°	85-89	33.3-34.9%		
		Bounce & rotate 270°	90-94	35.3-36.9%		
		Off	95-99	37.3-38.8%		
		Rotate CCW at end	100-104	39.2-40.8%		
		Rotate CW at end	105-109	41.2-42.7%		
		Random rotate at end	110-114	43.1-44.7%		
		Off	115-134	45.1-52.5%		
		Rotate 90° **	135-139	52.9-54.5%		
		Rotate 180° **	140-144	54.9-56.5%		
		Rotate 270° **	145-149	56.9-58.4%		
		Horizontal flip **	150-154	58.8-60.4%		
		Rotate 90° & vertical flip **	155-159	60.8-62.4%		
		Rotate 180° & horizontal flip **	160-164	62.7-64.3%		
		Rotate 270° & vertical flip **	165-169	64.7-66.3%		
		Off	170-174	66.7-68.2%		

		Random Rotate & flip **	175-179	68.6-70.2%		
		Random position **	180-184	70.6-72.2%		
		Fix 90° rotation & random posn. **	185-189	72.5-74.1%		
		Fix 180° rotation & random posn. **	190-194	74.5-76.1%		
		Fix 270° rotation & random posn. **	195-199	76.5-78.0%		
		Off	200-204	78.4-80.0%		
		Bounce **	205-209	80.4-82.0%		
		Bounce & rotate 90° **	210-214	82.4-83.9%		
		Bounce & rotate 180° **	215-219	84.3-85.9%		
		Bounce & rotate 270° **	220-224	86.3-87.8%		
		Off	225-229	88.2-89.8%		
		Rotate CCW at end **	230-234	90.2-91.8%		
		Rotate CW at end **	235-239	92.2-93.7%		
		Random rotate at end **	240-244	94.1-95.7%		
		Off	245-255	96.1-100%		
8	White LEDs FX offset	0-100%	0-255	0-100%	0	Fade
9	White LEDs FX length	0-100%	0-255	0-100%	0	Fade
Channel group B: RGB 25-pixel						
10	RGB Pixel 1	Red	0-100%	0-255	255	Fade
11		Green	0-100%	0-255	255	Fade
12		Blue	0-100%	0-255	255	Fade
13	RGB Pixel 2	Red	0-100%	0-255	255	Fade
14		Green	0-100%	0-255	255	Fade
15		Blue	0-100%	0-255	255	Fade
16	RGB Pixel 3	Red	0-100%	0-255	255	Fade
17		Green	0-100%	0-255	255	Fade
18		Blue	0-100%	0-255	255	Fade
19	RGB Pixel 4	Red	0-100%	0-255	255	Fade
20		Green	0-100%	0-255	255	Fade
21		Blue	0-100%	0-255	255	Fade
22	RGB Pixel 5	Red	0-100%	0-255	255	Fade
23		Green	0-100%	0-255	255	Fade
24		Blue	0-100%	0-255	255	Fade
25	RGB Pixel 6	Red	0-100%	0-255	255	Fade
26		Green	0-100%	0-255	255	Fade
27		Blue	0-100%	0-255	255	Fade
28	RGB Pixel 7	Red	0-100%	0-255	255	Fade
29		Green	0-100%	0-255	255	Fade
30		Blue	0-100%	0-255	255	Fade
31	RGB Pixel 8	Red	0-100%	0-255	255	Fade
32		Green	0-100%	0-255	255	Fade
33		Blue	0-100%	0-255	255	Fade
34	RGB Pixel 9	Red	0-100%	0-255	255	Fade
35		Green	0-100%	0-255	255	Fade
36		Blue	0-100%	0-255	255	Fade
37	RGB Pixel 10	Red	0-100%	0-255	255	Fade
38		Green	0-100%	0-255	255	Fade
39		Blue	0-100%	0-255	255	Fade
40	RGB Pixel 11	Red	0-100%	0-255	255	Fade
41		Green	0-100%	0-255	255	Fade
42		Blue	0-100%	0-255	255	Fade

43	RGB Pixel 12	Red	0-100%	0-255	255	Fade
44		Green	0-100%	0-255	255	Fade
45		Blue	0-100%	0-255	255	Fade
46	RGB Pixel 13	Red	0-100%	0-255	255	Fade
47		Green	0-100%	0-255	255	Fade
48		Blue	0-100%	0-255	255	Fade
49	RGB Pixel 14	Red	0-100%	0-255	255	Fade
50		Green	0-100%	0-255	255	Fade
51		Blue	0-100%	0-255	255	Fade
52	RGB Pixel 15	Red	0-100%	0-255	255	Fade
53		Green	0-100%	0-255	255	Fade
54		Blue	0-100%	0-255	255	Fade
55	RGB Pixel 16	Red	0-100%	0-255	255	Fade
56		Green	0-100%	0-255	255	Fade
57		Blue	0-100%	0-255	255	Fade
58	RGB Pixel 17	Red	0-100%	0-255	255	Fade
59		Green	0-100%	0-255	255	Fade
60		Blue	0-100%	0-255	255	Fade
61	RGB Pixel 18	Red	0-100%	0-255	255	Fade
62		Green	0-100%	0-255	255	Fade
63		Blue	0-100%	0-255	255	Fade
64	RGB Pixel 19	Red	0-100%	0-255	255	Fade
65		Green	0-100%	0-255	255	Fade
66		Blue	0-100%	0-255	255	Fade
67	RGB Pixel 20	Red	0-100%	0-255	255	Fade
68		Green	0-100%	0-255	255	Fade
69		Blue	0-100%	0-255	255	Fade
70	RGB Pixel 21	Red	0-100%	0-255	255	Fade
71		Green	0-100%	0-255	255	Fade
72		Blue	0-100%	0-255	255	Fade
73	RGB Pixel 22	Red	0-100%	0-255	255	Fade
74		Green	0-100%	0-255	255	Fade
75		Blue	0-100%	0-255	255	Fade
76	RGB Pixel 23	Red	0-100%	0-255	255	Fade
77		Green	0-100%	0-255	255	Fade
78		Blue	0-100%	0-255	255	Fade
79	RGB Pixel 24	Red	0-100%	0-255	255	Fade
80		Green	0-100%	0-255	255	Fade
81		Blue	0-100%	0-255	255	Fade
82	RGB Pixel 25	Red	0-100%	0-255	255	Fade
83		Green	0-100%	0-255	255	Fade
84		Blue	0-100%	0-255	255	Fade
85	RGB LEDs shutter	Shutter closed	0-4	0-1.6%	255	Snap
		Sync ramp up slow > fast	5-39	2.0-15.3%		Fade
		Sync ramp down slow > fast	40-74	15.7-29.0%		Fade
		Sync ramp up-down slow > fast	75-109	29.4-42.7%		Fade
		Sync double flash slow > fast	110-144	43.1-56.5%		Fade
		Pixel Flare effect slow > fast	145-179	56.9-70.2%		Fade
		Random strobe slow > fast	180-214	70.6-83.9%		Fade
		Sync strobe 0.289 Hz > 16.67 Hz	215-249	84.3-97.6%		Fade
		Hyperspeed	250-252	98.0-98.8%		Snap
		Open	253-255	99.2-100%		Snap

Control / Settings						
86	Control / Settings	Idle	0-11	0-4.3%	0	Snap
		No function	12-38	4.7-14.9%		
		Dimmer flash Off*	39-41	15.3-16.1%		
		Dimmer flash On*	42-44	16.5-17.3%		
		No function	45-47	17.6-18.4%		
		Dimming curve Soft*	48-50	18.8-19.6%		
		Dimming curve Linear*	51-53	20.0-20.8%		
		No function	54-68	21.2-26.7%		
		Fan mode regulated*	69-71	27.1-27.8%		
		Fan mode high*	72-74	28.2-29.0%		
		Fan mode medium*	75-77	29.4-30.2%		
		Fan mode low*	78-80	30.6-31.4%		
		No function	81-83	31.8-32.5%		
		Display On*	84-86	32.9-33.7%		
		Display Off*	87-89	34.1-34.9%		
		Display Auto*	90-92	35.3-36.1%		
		Display invert Off*	93-95	36.5-37.3%		
		Display invert On*	96-98	37.6-38.4%		
		No DMX = Capture scene*	99-101	38.8-39.6%		
		No DMX = Stand-alone*	102-104	40.0-40.8%		
		No DMX = Blackout*	105-107	41.2-42.0%		
		No DMX = Hold*	108-110	42.4-43.1%		
		Test pattern On*	111-113	43.5-44.3%		
		Test pattern Off*	114-116	44.7-45.5%		
		Rotation Off*	117-119	45.9-46.7%		
		Rotate 90° *	120-122	47.1-47.8%		
		Rotate 180° *	123-125	48.2-49.0%		
		Rotate 270° *	126-128	49.4-50.2%		
		Pixel mirror Off*	129-131	50.6-51.4%		
		Pixel mirror On*	132-134	51.8-52.5%		
		White output limitation Off*	135-137	52.9-53.7%		
		White output limitation 80%*	138-140	54.1-54.9%		
		White output limitation 60%*	141-143	55.3-56.1%		
		White output limitation 40%*	144-146	56.5-57.3%		
		White output limitation 20%*	147-149	57.6-58.4%		
		White output limitation 10%*	150-152	58.8-59.6%		
		No function	153-158	60.0-62.0%		
		RGB output limitation Off%*	159-161	62.4-63.1%		
		RGB output limitation 80%*	162-164	63.5-64.3%		
		RGB output limitation 60%*	165-167	64.7-65.5%		
RGB output limitation 40%*	168-170	65.9-66.7%				
RGB output limitation 20%*	171-173	67.1-67.8%				
RGB output limitation 10%*	174-176	68.2-69.0%				
No function	177-251	69.4-98.4%				
Reboot fixture*	252-255	98.8-100%				

DMX Mode 5: Multi-layer RGBW with FX

35 DMX Channels

Channel	Command	DMX range	Percent	Default DMX	Fade	
Channel group A: Base layer RGBW (low priority)						
1	Red	Intensity 0-100%	0-255	0-100%	0 Fade	
2	Green	Intensity 0-100%	0-255	0-100%	0 Fade	
3	Blue	Intensity 0-100%	0-255	0-100%	0 Fade	
4	White	Intensity 0-100%	0-255	0-100%	0 Fade	
Channel group B: Layer 2 RGBW strobe with FX (medium priority, true color)						
5	Layer 2 master (16-bit)	Layer 2 = transparent	0-1	0-0.4%	0 Snap	
6		Layer 2 intensity 0-100%	2-65535	0.8-100%		Fade
7	Layer 2 flash duration	7-650 ms	0-255	0-100%	0 Fade	
8	Layer 2 flash rate (if FX not active)	No flash	0-1	0-0.4%	0 Snap	
		Single flash if Dimmer Flash = ON and value is changed on Ch 5				
		Flash rate 0.289-16.67 Hz	2-250	0.8-98%		Fade
		Hyperspeed	251-252	98.4-98.8%		Snap
	Continuously on	253-255	99.2-100%	Snap		
	Layer 2 FX speed (If FX active)	FX speed = stop	0-1	0-0.4%	Snap	
FX speed = slow > fast		2-253	0.8-98.8%	Fade		
FX speed = stop		254-255	99.2-100%	Snap		
9	Layer 2 Flare effect	Off	0-9	0-3.5%	0 Snap	
		Slow > fast	10-49	3.9-19.2%		Fade
		Off	50-59	19.6-23.1%		Snap
		Random slow > fast	60-109	23.5-42.7%		Fade
		Off	110-119	43.1-46.7%		Snap
		Random pixel slow > fast	120-169	47.1-66.3%		Fade
		Off	170-255	66.7-100%		Snap
10	Layer 2 Red	Intensity 0-100%	0-255	0-100%	0 Fade	
11	Layer 2 Green	Intensity 0-100%	0-255	0-100%	0 Fade	
12	Layer 2 Blue	Intensity 0-100%	0-255	0-100%	0 Fade	
13	Layer 2 White	Intensity 0-100%	0-255	0-100%	0 Fade	
14	Layer 2 FX selection	FX Off	0-2	0-0.8%	0 Snap	
		Sync strobe - circle mask	3-5	1.2-2.0%		
		Sync strobe - 4 dot mask	6-8	2.4-3.1%		
		Sync strobe - 1 dot mask	9-11	3.5-4.3%		
		Random strobe - all	12-14	4.7-5.5%		
		Random strobe - circle mask	15-17	5.9-6.7%		
		Random strobe - 4 dot mask	18-20	7.1-7.8%		
		Random strobe - 1 dot mask	21-23	8.2-9.0%		
		Lite in/out - all	24-26	9.4-10.2%		
		Lite in/out - circle mask	27-29	10.6-11.4%		
		Lite in/out - 4 dot mask	30-32	11.8-12.6%		
		Lite in/out - 1 dot mask	33-35	12.9-13.7%		
		Snake	36-38	14.1-14.9%		
		Raindrops	39-41	15.3-16.1%		
		Random pixel	42-44	16.5-17.3%		
		Random fake x 2	45-47	17.6-18.4%		
		Random fake x 4	48-50	18.8-19.6%		
		Line	51-53	20.0-20.8%		
Double line	54-56	21.2-22.0%				
Corner to corner line	57-59	22.4-23.1%				

		Tilted double lines	60-62	23.5-24.3%		
		Tilted double lines in to out	63-65	24.7-25.5%		
		Center line running dot	66-68	25.9-26.7%		
		Middle line running dot	69-71	27.1-27.8%		
		Outer line running dot	72-74	28.2-29.0%		
		Corner to corner	75-77	29.4-30.2%		
		Arrow	78-80	30.6-31.4%		
		Wave	81-83	31.8-32.5%		
		Wheel	84-86	32.9-33.7%		
		Half wheel	87-89	34.1-34.9%		
		Circling dot	90-92	35.3-36.1%		
		Outer circle	93-95	36.5-37.3%		
		Inner circle	96-98	37.6-38.4%		
		Outer 4 dots	99-101	38.8-39.6%		
		Outer single dot	102-104	40.0-40.8%		
		Middle single dot	105-107	41.2-42.0%		
		Spinning 2x1 dots	108-110	42.4-43.1%		
		Asymmetrical 4 dots	111-113	43.5-44.3%		
		Symmetrical 4 dots	114-116	44.7-45.5%		
		Square	117-119	45.9-46.7%		
		Inside out	120-122	47.1-48.8%		
		Inside out 2	123-125	48.2-49.0%		
		Abstract 1	126-128	49.4-50.2%		
		Abstract 2	129-131	50.6-51.4%		
		Abstract 3	132-134	51.8-52.5%		
		Hash tag	135-137	52.9-53.7%		
		Flip flop	138-140	54.1-54.9%		
		Jumping slash	141-143	55.3-56.1%		
		Jumping 'L'	144-146	56.5-57.3%		
		Jumping pins	147-149	57.6-58.4%		
		Off - No Strobe or FX	150-255	58.8-100%		
15	Layer 2 FX crossfade time	Off	0-1	0-0.4%		Snap
		Crossfade fast > slow	2-127	0.8-49.8%		Fade
		Crossfade and tail slow > fast	128-255	50.2-100%		Fade
16	Layer 2 orientation	Off	0-4	0-1.6%	0	Snap
		Rotate 90°	5-9	2.0-3.5%		
		Rotate 180°	10-14	3.9-5.5%		
		Rotate 270°	15-19	5.9-7.5%		
		Horizontal flip	20-24	7.8-9.4%		
		Rotate 90° & vertical flip	25-29	9.8-11.4%		
		Rotate 180° & horizontal flip	30-34	11.8-13.3%		
		Rotate 270° & vertical flip	35-39	13.7-15.3%		
		Off	40-44	15.7-17.3%		
		Random rotate & flip	45-49	17.7-19.2%		
		Random position	50-54	19.6-21.2%		
		Fix 90° rotation & random position	55-59	21.6-23.1%		
		Fix 180° rotation & random position	60-64	23.5-25.1%		
		Fix 270° rotation & random position	65-69	25.5-27.1%		
		Off	70-74	27.5-29.0%		
		Bounce	75-79	29.4-31.0%		
		Bounce & rotate 90°	80-84	31.4-32.9%		
		Bounce & rotate 180°	85-89	33.3-34.9%		
		Bounce & rotate 270°	90-94	35.3-36.9%		
		Off	95-99	37.3-38.8%		
Rotate CCW at end	100-104	39.2-40.8%				
Rotate CW at end	105-109	41.2-42.7%				

		Random rotate at end	110-114	43.1-44.7%		
		Off	115-134	45.1-52.5%		
		Rotate 90° **	135-139	52.9-54.5%		
		Rotate 180° **	140-144	54.9-56.5%		
		Rotate 270° **	145-149	56.9-58.4%		
		Horizontal flip **	150-154	58.8-60.4%		
		Rotate 90° & vertical flip **	155-159	60.8-62.4%		
		Rotate 180° & horizontal flip **	160-164	62.7-64.3%		
		Rotate 270° & vertical flip **	165-169	64.7-66.3%		
		Off	170-174	66.7-68.2%		
		Random Rotate & flip **	175-179	68.6-70.2%		
		Random position **	180-184	70.6-72.2%		
		Fix 90° rotation & random posn. **	185-189	72.5-74.1%		
		Fix 180° rotation & random posn. **	190-194	74.5-76.1%		
		Fix 270° rotation & random posn. **	195-199	76.5-78.0%		
		Off	200-204	78.4-80.0%		
		Bounce **	205-209	80.4-82.0%		
		Bounce & rotate 90° **	210-214	82.4-83.9%		
		Bounce & rotate 180° **	215-219	84.3-85.9%		
		Bounce & rotate 270° **	220-224	86.3-87.8%		
		Off	225-229	88.2-89.8%		
		Rotate CCW at end **	230-234	90.2-91.8%		
		Rotate CW at end **	235-239	92.2-93.7%		
		Random rotate at end **	240-244	94.1-95.7%		
		Off	245-255	96.1-100%		
17	Layer 2 FX offset	0-100%	0-255	0-100%	0	Fade
18	Layer 2 FX length	0-100%	0-255	0-100%	0	Fade
19	Layer 2 FX color generator	Off	0-9	0-3.5%	0	Snap
		Random all pixels RGBCMY	10-19	3.9-7.5%		Snap
		Random single pixel RGBCMY	20-29	7.8-11.4%		Snap
		Random all pixels bright colors	30-39	11.8-15.3%		Snap
		Random single pixel bright colors	40-49	15.7-19.2%		Snap
		Red / Blue	50-59	19.6-23.1%		Snap
		Red / Green	60-69	23.5-27.1%		Snap
		Blue / Green	70-79	27.5-31.0%		Snap
		Yellow / Magenta	80-89	31.4-34.9%		Snap
		Yellow / Cyan	90-99	35.3-38.8%		Snap
		Cyan / Magenta	100-109	39.2-42.7%		Snap
		Yellow / Blue	110-119	43.1-46.7%		Snap
		Green / Magenta	120-129	47.1-50.6%		Snap
		Red / Green / Blue	130-139	51.0-54.5%		Snap
		Red / Yellow / Blue	140-149	54.9-58.4%		Snap
		Red / Green / Blue / Yellow / Magenta / Cyan	150-159	58.8%-62.4%		Snap
		Red / Green / Blue - Horizontal line	160-169	62.7-66.3%		Snap
		Red / Green / Blue - Vertical line	170-179	66.7-70.2%		Snap
		No function	180-219	70.6-85.9%		Snap
		Color scroll, slow -> fast	220-229	86.3-89.8%		Fade
		Lite in	230-239	90.2-93.7%		Snap
		Lite out	240-249	94.1-97.6%		Snap
		Off	250-255	98.0-100%		Snap

Channel group C: Layer 3 RGBW strobe with FX (high priority, true color)							
20	Layer 3 master	Layer 3 = transparent	0-1	0-0.4%	0	Snap	
21		Layer 3 intensity 0-100%	2-65535	0.8-100%		Fade	
22	Layer 3 flash duration	7-650 ms	0-255	0-100%	0	Fade	
23	Layer 3 flash rate (if FX are not active)	No flash	0-1	0-0.4%	0	Snap	
		<i>Single flash if Dimmer Flash = ON and value is changed on Ch 20</i>					
		Flash rate 0.289-16.67 Hz	2-250	0.8-98%		Fade	
		Hyperspeed	251-252	98.4-98.8%		Snap	
	Continuously on	253-255	99.2-100%	Snap			
	Layer 3 FX speed (if FX are active)	FX speed = stop	0-1	0-0.4%		Snap	
		FX speed = slow > fast	2-253	0.8-98.8%		Fade	
FX speed = stop		254-255	99.2-100%	Snap			
24	Layer 3 Flare effect	Off	0-9	0-3.5%	0	Snap	
		Slow > fast	10-49	3.9-19.2%		Fade	
		Off	50-59	19.6-23.1%		Snap	
		Random slow > fast	60-109	23.5-42.7%		Fade	
		Off	110-119	43.1-46.7%		Snap	
		Random pixel slow > fast	120-169	47.1-66.3%		Fade	
		Off	170-255	66.7-100%		Snap	
25	Layer 3 Red	Intensity 0-100%	0-255	0-100%	0	Fade	
26	Layer 3 Green	Intensity 0-100%	0-255	0-100%	0	Fade	
27	Layer 3 Blue	Intensity 0-100%	0-255	0-100%	0	Fade	
28	Layer 3 White	Intensity 0-100%	0-255	0-100%	0	Fade	
29	Layer 3 FX selection	FX Off	0-2	0-0.8%	0	Snap	
		Sync strobe - circle mask	3-5	1.2-2.0%			
		Sync strobe - 4 dot mask	6-8	2.4-3.1%			
		Sync strobe - 1 dot mask	9-11	3.5-4.3%			
		Random strobe - all	12-14	4.7-5.5%			
		Random strobe - circle mask	15-17	5.9-6.7%			
		Random strobe - 4 dot mask	18-20	7.1-7.8%			
		Random strobe - 1 dot mask	21-23	8.2-9.0%			
		Lite in/out - all	24-26	9.4-10.2%			
		Lite in/out - circle mask	27-29	10.6-11.4%			
		Lite in/out - 4 dot mask	30-32	11.8-12.6%			
		Lite in/out - 1 dot mask	33-35	12.9-13.7%			
		Snake	36-38	14.1-14.9%			
		Raindrops	39-41	15.3-16.1%			
		Random pixel	42-44	16.5-17.3%			
		Random fake x 2	45-47	17.6-18.4%			
		Random fake x 4	48-50	18.8-19.6%			
		Line	51-53	20.0-20.8%			
		Double line	54-56	21.2-22.0%			
		Corner to corner line	57-59	22.4-23.1%			
		Tilted double lines	60-62	23.5-24.3%			
		Tilted double lines in to out	63-65	24.7-25.5%			
		Center line running dot	66-68	25.9-26.7%			
		Middle line running dot	69-71	27.1-27.8%			
		Outer line running dot	72-74	28.2-29.0%			
		Corner to corner	75-77	29.4-30.2%			
		Arrow	78-80	30.6-31.4%			
Wave	81-83	31.8-32.5%					
Wheel	84-86	32.9-33.7%					
Half wheel	87-89	34.1-34.9%					

		Circling dot	90-92	35.3-36.1%		
		Outer circle	93-95	36.5-37.3%		
		Inner circle	96-98	37.6-38.4%		
		Outer 4 dots	99-101	38.8-39.6%		
		Outer single dot	102-104	40.0-40.8%		
		Middle single dot	105-107	41.2-42.0%		
		Spinning 2x1 dots	108-110	42.4-43.1%		
		Asymmetrical 4 dots	111-113	43.5-44.3%		
		Symmetrical 4 dots	114-116	44.7-45.5%		
		Square	117-119	45.9-46.7%		
		Inside out	120-122	47.1-48.8%		
		Inside out 2	123-125	48.2-49.0%		
		Abstract 1	126-128	49.4-50.2%		
		Abstract 2	129-131	50.6-51.4%		
		Abstract 3	132-134	51.8-52.5%		
		Hash tag	135-137	52.9-53.7%		
		Flip flop	138-140	54.1-54.9%		
		Jumping slash	141-143	55.3-56.1%		
		Jumping 'L'	144-146	56.5-57.3%		
		Jumping pins	147-149	57.6-58.4%		
		Off - no strobe or FX	150-255	58.8-100%		
30	Layer 3 FX crossfade time	Off	0-1	0-0.4%	0	Snap
		Crossfade fast > slow	2-127	0.8-49.8%		Fade
		Crossfade and tail slow > fast	128-255	50.2-100%		Fade
31	Layer 3 orientation	Off	0-4	0-1.6%	0	Snap
		Rotate 90°	5-9	2.0-3.5%		
		Rotate 180°	10-14	3.9-5.5%		
		Rotate 270°	15-19	5.9-7.5%		
		Horizontal flip	20-24	7.8-9.4%		
		Rotate 90° & vertical flip	25-29	9.8-11.4%		
		Rotate 180° & horizontal flip	30-34	11.8-13.3%		
		Rotate 270° & vertical flip	35-39	13.7-15.3%		
		Off	40-44	15.7-17.3%		
		Random rotate & flip	45-49	17.7-19.2%		
		Random position	50-54	19.6-21.2%		
		Fix 90° rotation & random position	55-59	21.6-23.1%		
		Fix 180° rotation & random position	60-64	23.5-25.1%		
		Fix 270° rotation & random position	65-69	25.5-27.1%		
		Off	70-74	27.5-29.0%		
		Bounce	75-79	29.4-31.0%		
		Bounce & rotate 90°	80-84	31.4-32.9%		
		Bounce & rotate 180°	85-89	33.3-34.9%		
		Bounce & rotate 270°	90-94	35.3-36.9%		
		Off	95-99	37.3-38.8%		
		Rotate CCW at end	100-104	39.2-40.8%		
		Rotate CW at end	105-109	41.2-42.7%		
		Random rotate at end	110-114	43.1-44.7%		
		Off	115-134	45.1-52.5%		
		Rotate 90° **	135-139	52.9-54.5%		
		Rotate 180° **	140-144	54.9-56.5%		
		Rotate 270° **	145-149	56.9-58.4%		
		Horizontal flip **	150-154	58.8-60.4%		
		Rotate 90° & vertical flip **	155-159	60.8-62.4%		
		Rotate 180° & horizontal flip **	160-164	62.7-64.3%		
		Rotate 270° & vertical flip **	165-169	64.7-66.3%		
Off	170-174	66.7-68.2%				

		Random Rotate & flip **	175-179	68.6-70.2%		
		Random position **	180-184	70.6-72.2%		
		Fix 90° rotation & random posn. **	185-189	72.5-74.1%		
		Fix 180° rotation & random posn. **	190-194	74.5-76.1%		
		Fix 270° rotation & random posn. **	195-199	76.5-78.0%		
		Off	200-204	78.4-80.0%		
		Bounce **	205-209	80.4-82.0%		
		Bounce & rotate 90° **	210-214	82.4-83.9%		
		Bounce & rotate 180° **	215-219	84.3-85.9%		
		Bounce & rotate 270° **	220-224	86.3-87.8%		
		Off	225-229	88.2-89.8%		
		Rotate CCW at end **	230-234	90.2-91.8%		
		Rotate CW at end **	235-239	92.2-93.7%		
		Random rotate at end **	240-244	94.1-95.7%		
		Off	245-255	96.1-100%		
32	Layer 3 FX offset	0-100%	0-255	0-100%	0	Fade
33	Layer 3 FX length	0-100%	0-255	0-100%	0	Fade
34	Layer 3 FX color generator	Off	0-9	0-3.5%	0	Snap
		Random all pixels RGBCMY	10-19	3.9-7.5%		Snap
		Random single pixel RGBCMY	20-29	7.8-11.4%		Snap
		Random all pixels bright colors	30-39	11.8-15.3%		Snap
		Random single pixel bright colors	40-49	15.7-19.2%		Snap
		Red / Blue	50-59	19.6-23.1%		Snap
		Red / Green	60-69	23.5-27.1%		Snap
		Blue / Green	70-79	27.5-31.0%		Snap
		Yellow / Magenta	80-89	31.4-34.9%		Snap
		Yellow / Cyan	90-99	35.3-38.8%		Snap
		Cyan / Magenta	100-109	39.2-42.7%		Snap
		Yellow / Blue	110-119	43.1-46.7%		Snap
		Green / Magenta	120-129	47.1-50.6%		Snap
		Red / Green / Blue	130-139	51.0-54.5%		Snap
		Red / Yellow / Blue	140-149	54.9-58.4%		Snap
		Red / Green / Blue / Yellow / Magenta / Cyan	150-159	58.8%-62.4%		Snap
		Red / Green / Blue - Horizontal line	160-169	62.7-66.3%		Snap
		Red / Green / Blue - Vertical line	170-179	66.7-70.2%		Snap
		No function	180-219	70.6-85.9%		Snap
		Color scroll, slow -> fast	220-229	86.3-89.8%		Fade
		Lite in	230-239	90.2-93.7%		Snap
Lite out	240-249	94.1-97.6%	Snap			
Off	250-255	98.0-100%	Snap			

Control / Settings						
35	Control / Settings	Idle	0-11	0-4.3%	0	Snap
		No function	12-38	4.7-14.9%		
		Dimmer flash Off*	39-41	15.3-16.1%		
		Dimmer flash On*	42-44	16.5-17.3%		
		No function	45-47	17.6-18.4%		
		Dimming curve Soft*	48-50	18.8-19.6%		
		Dimming curve Linear*	51-53	20.0-20.8%		
		No function	54-68	21.2-26.7%		
		Fan mode regulated*	69-71	27.1-27.8%		
		Fan mode high*	72-74	28.2-29.0%		
		Fan mode medium*	75-77	29.4-30.2%		
		Fan mode low*	78-80	30.6-31.4%		
		No function	81-83	31.8-32.5%		
		Display On*	84-86	32.9-33.7%		
		Display Off*	87-89	34.1-34.9%		
		Display Auto*	90-92	35.3-36.1%		
		Display invert Off*	93-95	36.5-37.3%		
		Display invert On*	96-98	37.6-38.4%		
		No DMX = Capture scene*	99-101	38.8-39.6%		
		No DMX = Stand-alone*	102-104	40.0-40.8%		
		No DMX = Blackout*	105-107	41.2-42.0%		
		No DMX = Hold*	108-110	42.4-43.1%		
		Test pattern On*	111-113	43.5-44.3%		
		Test pattern Off*	114-116	44.7-45.5%		
		Rotation Off*	117-119	45.9-46.7%		
		Rotate 90° *	120-122	47.1-47.8%		
		Rotate 180° *	123-125	48.2-49.0%		
		Rotate 270° *	126-128	49.4-50.2%		
		Pixel mirror Off*	129-131	50.6-51.4%		
		Pixel mirror On*	132-134	51.8-52.5%		
		White output limitation Off*	135-137	52.9-53.7%		
		White output limitation 80%*	138-140	54.1-54.9%		
		White output limitation 60%*	141-143	55.3-56.1%		
		White output limitation 40%*	144-146	56.5-57.3%		
		White output limitation 20%*	147-149	57.6-58.4%		
		White output limitation 10%*	150-152	58.8-59.6%		
		No function	153-158	60.0-62.0%		
		RGB output limitation Off%*	159-161	62.4-63.1%		
		RGB output limitation 80%*	162-164	63.5-64.3%		
		RGB output limitation 60%*	165-167	64.7-65.5%		
		RGB output limitation 40%*	168-170	65.9-66.7%		
		RGB output limitation 20%*	171-173	67.1-67.8%		
		RGB output limitation 10%*	174-176	68.2-69.0%		
		No function	177-251	69.4-98.4%		
		Reboot fixture*	252-255	98.8-100%		

DMX Mode 6: RGBW 25-pixel, 8-bit

102 DMX Channels

Channel	Command	DMX range	Percent	Default DMX	Fade	
RGBW 25-pixel 8-bit						
1	Pixel 1 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
2		Green intensity 0-100%	0-255	0-100%	0	Fade
3		Blue intensity 0-100%	0-255	0-100%	0	Fade
4		White intensity 0-100%	0-255	0-100%	0	Fade
5	Pixel 2 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
6		Green intensity 0-100%	0-255	0-100%	0	Fade
7		Blue intensity 0-100%	0-255	0-100%	0	Fade
8		White intensity 0-100%	0-255	0-100%	0	Fade
9	Pixel 3 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
10		Green intensity 0-100%	0-255	0-100%	0	Fade
11		Blue intensity 0-100%	0-255	0-100%	0	Fade
12		White intensity 0-100%	0-255	0-100%	0	Fade
13	Pixel 4 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
14		Green intensity 0-100%	0-255	0-100%	0	Fade
15		Blue intensity 0-100%	0-255	0-100%	0	Fade
16		White intensity 0-100%	0-255	0-100%	0	Fade
17	Pixel 5 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
18		Green intensity 0-100%	0-255	0-100%	0	Fade
19		Blue intensity 0-100%	0-255	0-100%	0	Fade
20		White intensity 0-100%	0-255	0-100%	0	Fade
21	Pixel 6 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
22		Green intensity 0-100%	0-255	0-100%	0	Fade
23		Blue intensity 0-100%	0-255	0-100%	0	Fade
24		White intensity 0-100%	0-255	0-100%	0	Fade
25	Pixel 7 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
26		Green intensity 0-100%	0-255	0-100%	0	Fade
27		Blue intensity 0-100%	0-255	0-100%	0	Fade
28		White intensity 0-100%	0-255	0-100%	0	Fade
29	Pixel 8 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
30		Green intensity 0-100%	0-255	0-100%	0	Fade
31		Blue intensity 0-100%	0-255	0-100%	0	Fade
32		White intensity 0-100%	0-255	0-100%	0	Fade
33	Pixel 9 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
34		Green intensity 0-100%	0-255	0-100%	0	Fade
35		Blue intensity 0-100%	0-255	0-100%	0	Fade
36		White intensity 0-100%	0-255	0-100%	0	Fade
37	Pixel 10 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
38		Green intensity 0-100%	0-255	0-100%	0	Fade
39		Blue intensity 0-100%	0-255	0-100%	0	Fade
40		White intensity 0-100%	0-255	0-100%	0	Fade
41	Pixel 11 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
42		Green intensity 0-100%	0-255	0-100%	0	Fade
43		Blue intensity 0-100%	0-255	0-100%	0	Fade
44		White intensity 0-100%	0-255	0-100%	0	Fade
45	Pixel 12 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
46		Green intensity 0-100%	0-255	0-100%	0	Fade
47		Blue intensity 0-100%	0-255	0-100%	0	Fade
48		White intensity 0-100%	0-255	0-100%	0	Fade

49	Pixel 13 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
50		Green intensity 0-100%	0-255	0-100%	0	Fade
51		Blue intensity 0-100%	0-255	0-100%	0	Fade
52		White intensity 0-100%	0-255	0-100%	0	Fade
53	Pixel 14 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
54		Green intensity 0-100%	0-255	0-100%	0	Fade
55		Blue intensity 0-100%	0-255	0-100%	0	Fade
56		White intensity 0-100%	0-255	0-100%	0	Fade
57	Pixel 15 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
58		Green intensity 0-100%	0-255	0-100%	0	Fade
59		Blue intensity 0-100%	0-255	0-100%	0	Fade
60		White intensity 0-100%	0-255	0-100%	0	Fade
61	Pixel 16 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
62		Green intensity 0-100%	0-255	0-100%	0	Fade
63		Blue intensity 0-100%	0-255	0-100%	0	Fade
64		White intensity 0-100%	0-255	0-100%	0	Fade
65	Pixel 17 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
66		Green intensity 0-100%	0-255	0-100%	0	Fade
67		Blue intensity 0-100%	0-255	0-100%	0	Fade
68		White intensity 0-100%	0-255	0-100%	0	Fade
69	Pixel 18 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
70		Green intensity 0-100%	0-255	0-100%	0	Fade
71		Blue intensity 0-100%	0-255	0-100%	0	Fade
72		White intensity 0-100%	0-255	0-100%	0	Fade
73	Pixel 19 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
74		Green intensity 0-100%	0-255	0-100%	0	Fade
75		Blue intensity 0-100%	0-255	0-100%	0	Fade
76		White intensity 0-100%	0-255	0-100%	0	Fade
77	Pixel 20 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
78		Green intensity 0-100%	0-255	0-100%	0	Fade
79		Blue intensity 0-100%	0-255	0-100%	0	Fade
80		White intensity 0-100%	0-255	0-100%	0	Fade
81	Pixel 21 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
82		Green intensity 0-100%	0-255	0-100%	0	Fade
83		Blue intensity 0-100%	0-255	0-100%	0	Fade
84		White intensity 0-100%	0-255	0-100%	0	Fade
85	Pixel 22 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
86		Green intensity 0-100%	0-255	0-100%	0	Fade
87		Blue intensity 0-100%	0-255	0-100%	0	Fade
88		White intensity 0-100%	0-255	0-100%	0	Fade
89	Pixel 23 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
90		Green intensity 0-100%	0-255	0-100%	0	Fade
91		Blue intensity 0-100%	0-255	0-100%	0	Fade
92		White intensity 0-100%	0-255	0-100%	0	Fade
93	Pixel 24 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
94		Green intensity 0-100%	0-255	0-100%	0	Fade
95		Blue intensity 0-100%	0-255	0-100%	0	Fade
96		White intensity 0-100%	0-255	0-100%	0	Fade
97	Pixel 25 RGBW	Red intensity 0-100%	0-255	0-100%	0	Fade
98		Green intensity 0-100%	0-255	0-100%	0	Fade
99		Blue intensity 0-100%	0-255	0-100%	0	Fade
100		White intensity 0-100%	0-255	0-100%	0	Fade
101	Shutter, all pixels	Shutter closed	0-4	0-1.6%	255	Snap
		Sync ramp up slow > fast	5-39	2.0-15.3%		Fade
		Sync ramp down slow > fast	40-74	15.7-29.0%		Fade
		Sync ramp up-down slow > fast	75-109	29.4-42.7%		Fade
		Sync double flash slow > fast	110-144	43.1-56.5%		Fade
		Pixel Flare effect slow > fast	145-179	56.9-70.2%		Fade
		Random strobe slow > fast	180-214	70.6-83.9%		Fade

		Sync strobe 0.289 Hz > 16.67 Hz	215-249	84.3-97.6%		Fade
		Hyperspeed	250-252	98.0-98.8%		Snap
		Open	253-255	99.2-100%		Snap
Control / Settings						
102	Control / Settings	Idle	0-11	0-4.3%	0	Snap
		No function	12-38	4.7-14.9%		
		Dimmer flash Off*	39-41	15.3-16.1%		
		Dimmer flash On*	42-44	16.5-17.3%		
		No function	45-47	17.6-18.4%		
		Dimming curve Soft*	48-50	18.8-19.6%		
		Dimming curve Linear*	51-53	20.0-20.8%		
		No function	54-56	21.2-22.0%		
		Extra Shutter RGBW*	57-59	22.4-23.1%		
		Extra Shutter RGB only*	60-62	23.5-24.3%		
		Extra Shutter White only*	63-65	24.7-25.5%		
		No function	66-68	25.9-26.7%		
		Fan mode regulated*	69-71	27.1-27.8%		
		Fan mode high*	72-74	28.2-29.0%		
		Fan mode medium*	75-77	29.4-30.2%		
		Fan mode low*	78-80	30.6-31.4%		
		No function	81-83	31.8-32.5%		
		Display On*	84-86	32.9-33.7%		
		Display Off*	87-89	34.1-34.9%		
		Display Auto*	90-92	35.3-36.1%		
		Display invert Off*	93-95	36.5-37.3%		
		Display invert On*	96-98	37.6-38.4%		
		No DMX = Capture scene*	99-101	38.8-39.6%		
		No DMX = Stand-alone*	102-104	40.0-40.8%		
		No DMX = Blackout*	105-107	41.2-42.0%		
		No DMX = Hold*	108-110	42.4-43.1%		
		Test pattern On*	111-113	43.5-44.3%		
		Test pattern Off*	114-116	44.7-45.5%		
		Rotation Off*	117-119	45.9-46.7%		
		Rotate 90° *	120-122	47.1-47.8%		
		Rotate 180° *	123-125	48.2-49.0%		
		Rotate 270° *	126-128	49.4-50.2%		
		Pixel mirror Off*	129-131	50.6-51.4%		
		Pixel mirror On*	132-134	51.8-52.5%		
		White output limitation Off*	135-137	52.9-53.7%		
		White output limitation 80%*	138-140	54.1-54.9%		
		White output limitation 60%*	141-143	55.3-56.1%		
		White output limitation 40%*	144-146	56.5-57.3%		
		White output limitation 20%*	147-149	57.6-58.4%		
		White output limitation 10%*	150-152	55.8-59.6%		
No function	153-158	60.0-62.0%				
RGB output limitation Off%*	159-161	62.4-63.1%				
RGB output limitation 80%*	162-164	63.5-64.3%				
RGB output limitation 60%*	165-167	64.7-65.5%				
RGB output limitation 40%*	168-170	65.9-66.7%				
RGB output limitation 20%*	171-173	67.1-67.8%				
RGB output limitation 10%*	174-176	68.2-69.0%				
No function	177-251	69.4-98.4%				
Reboot fixture*	252-255	98.8-100%				

DMX Mode 7: RGBW 25-pixel, 16-bit

202 DMX Channels

Channel	Command	DMX range	Percent	Default DMX	Fade	
RGBW 25-pixel 16-bit						
1	Pixel 1 RGBW (16 bit)	Red intensity coarse	0-65535	0-100%	0	Fade
2		Red intensity fine				
3		Green intensity coarse	0-65535	0-100%	0	Fade
4		Green intensity fine				
5		Blue intensity coarse	0-65535	0-100%	0	Fade
6		Blue intensity fine				
7		White intensity coarse	0-65535	0-100%	0	Fade
8		White intensity fine				
9	Pixel 2 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
10		Red intensity fine				
11		Green intensity coarse	0-65535	0-100%	0	Fade
12		Green intensity fine				
13		Blue intensity coarse	0-65535	0-100%	0	Fade
14		Blue intensity fine				
15		White intensity coarse	0-65535	0-100%	0	Fade
16		White intensity fine				
17	Pixel 3 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
18		Red intensity fine				
19		Green intensity coarse	0-65535	0-100%	0	Fade
20		Green intensity fine				
21		Blue intensity coarse	0-65535	0-100%	0	Fade
22		Blue intensity fine				
23		White intensity coarse	0-65535	0-100%	0	Fade
24		White intensity fine				
25	Pixel 4 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
26		Red intensity fine				
27		Green intensity coarse	0-65535	0-100%	0	Fade
28		Green intensity fine				
29		Blue intensity coarse	0-65535	0-100%	0	Fade
30		Blue intensity fine				
31		White intensity coarse	0-65535	0-100%	0	Fade
32		White intensity fine				
33	Pixel 5 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
34		Red intensity fine				
35		Green intensity coarse	0-65535	0-100%	0	Fade
36		Green intensity fine				
37		Blue intensity coarse	0-65535	0-100%	0	Fade
38		Blue intensity fine				
39		White intensity coarse	0-65535	0-100%	0	Fade
40		White intensity fine				
41	Pixel 6 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
42		Red intensity fine				
43		Green intensity coarse	0-65535	0-100%	0	Fade
44		Green intensity fine				
45		Blue intensity coarse	0-65535	0-100%	0	Fade
46		Blue intensity fine				
47		White intensity coarse	0-65535	0-100%	0	Fade
48		White intensity fine				

49	Pixel 7 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
50		Red intensity fine				
51		Green intensity coarse	0-65535	0-100%	0	Fade
52		Green intensity fine				
53		Blue intensity coarse	0-65535	0-100%	0	Fade
54		Blue intensity fine				
55		White intensity coarse	0-65535	0-100%	0	Fade
56		White intensity fine				
57	Pixel 8 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
58		Red intensity fine				
59		Green intensity coarse	0-65535	0-100%	0	Fade
60		Green intensity fine				
61		Blue intensity coarse	0-65535	0-100%	0	Fade
62		Blue intensity fine				
63		White intensity coarse	0-65535	0-100%	0	Fade
64		White intensity fine				
65	Pixel 9 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
66		Red intensity fine				
67		Green intensity coarse	0-65535	0-100%	0	Fade
68		Green intensity fine				
69		Blue intensity coarse	0-65535	0-100%	0	Fade
70		Blue intensity fine				
71		White intensity coarse	0-65535	0-100%	0	Fade
72		White intensity fine				
73	Pixel 10 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
74		Red intensity fine				
75		Green intensity coarse	0-65535	0-100%	0	Fade
76		Green intensity fine				
77		Blue intensity coarse	0-65535	0-100%	0	Fade
78		Blue intensity fine				
79		White intensity coarse	0-65535	0-100%	0	Fade
80		White intensity fine				
81	Pixel 11 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
82		Red intensity fine				
83		Green intensity coarse	0-65535	0-100%	0	Fade
84		Green intensity fine				
85		Blue intensity coarse	0-65535	0-100%	0	Fade
86		Blue intensity fine				
87		White intensity coarse	0-65535	0-100%	0	Fade
88		White intensity fine				
89	Pixel 12 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
90		Red intensity fine				
91		Green intensity coarse	0-65535	0-100%	0	Fade
92		Green intensity fine				
93		Blue intensity coarse	0-65535	0-100%	0	Fade
94		Blue intensity fine				
95		White intensity coarse	0-65535	0-100%	0	Fade
96		White intensity fine				
97	Pixel 13 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
98		Red intensity fine				
99		Green intensity coarse	0-65535	0-100%	0	Fade
100		Green intensity fine				
101		Blue intensity coarse	0-65535	0-100%	0	Fade
102		Blue intensity fine				
103		White intensity coarse	0-65535	0-100%	0	Fade
104		White intensity fine				

105	Pixel 14 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
106		Red intensity fine				
107		Green intensity coarse	0-65535	0-100%	0	Fade
108		Green intensity fine				
109		Blue intensity coarse	0-65535	0-100%	0	Fade
110		Blue intensity fine				
111		White intensity coarse	0-65535	0-100%	0	Fade
112		White intensity fine				
113	Pixel 15 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
114		Red intensity fine				
115		Green intensity coarse	0-65535	0-100%	0	Fade
116		Green intensity fine				
117		Blue intensity coarse	0-65535	0-100%	0	Fade
118		Blue intensity fine				
119		White intensity coarse	0-65535	0-100%	0	Fade
120		White intensity fine				
121	Pixel 16 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
122		Red intensity fine				
123		Green intensity coarse	0-65535	0-100%	0	Fade
124		Green intensity fine				
125		Blue intensity coarse	0-65535	0-100%	0	Fade
126		Blue intensity fine				
127		White intensity coarse	0-65535	0-100%	0	Fade
128		White intensity fine				
129	Pixel 17 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
130		Red intensity fine				
131		Green intensity coarse	0-65535	0-100%	0	Fade
132		Green intensity fine				
133		Blue intensity coarse	0-65535	0-100%	0	Fade
134		Blue intensity fine				
135		White intensity coarse	0-65535	0-100%	0	Fade
136		White intensity fine				
137	Pixel 18 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
138		Red intensity fine				
139		Green intensity coarse	0-65535	0-100%	0	Fade
140		Green intensity fine				
141		Blue intensity coarse	0-65535	0-100%	0	Fade
142		Blue intensity fine				
143		White intensity coarse	0-65535	0-100%	0	Fade
144		White intensity fine				
145	Pixel 19 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
146		Red intensity fine				
147		Green intensity coarse	0-65535	0-100%	0	Fade
148		Green intensity fine				
149		Blue intensity coarse	0-65535	0-100%	0	Fade
150		Blue intensity fine				
151		White intensity coarse	0-65535	0-100%	0	Fade
152		White intensity fine				
153	Pixel 20 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
154		Red intensity fine				
155		Green intensity coarse	0-65535	0-100%	0	Fade
156		Green intensity fine				
157		Blue intensity coarse	0-65535	0-100%	0	Fade
158		Blue intensity fine				
159		White intensity coarse	0-65535	0-100%	0	Fade
160		White intensity fine				

161	Pixel 21 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
162		Red intensity fine				
163		Green intensity coarse	0-65535	0-100%	0	Fade
164		Green intensity fine				
165		Blue intensity coarse	0-65535	0-100%	0	Fade
166		Blue intensity fine				
167		White intensity coarse	0-65535	0-100%	0	Fade
168		White intensity fine				
169	Pixel 22 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
170		Red intensity fine				
171		Green intensity coarse	0-65535	0-100%	0	Fade
172		Green intensity fine				
173		Blue intensity coarse	0-65535	0-100%	0	Fade
174		Blue intensity fine				
175		White intensity coarse	0-65535	0-100%	0	Fade
176		White intensity fine				
177	Pixel 23 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
178		Red intensity fine				
179		Green intensity coarse	0-65535	0-100%	0	Fade
180		Green intensity fine				
181		Blue intensity coarse	0-65535	0-100%	0	Fade
182		Blue intensity fine				
183		White intensity coarse	0-65535	0-100%	0	Fade
184		White intensity fine				
185	Pixel 24 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
186		Red intensity fine				
187		Green intensity coarse	0-65535	0-100%	0	Fade
188		Green intensity fine				
189		Blue intensity coarse	0-65535	0-100%	0	Fade
190		Blue intensity fine				
191		White intensity coarse	0-65535	0-100%	0	Fade
192		White intensity fine				
193	Pixel 25 RGBW (16-bit)	Red intensity coarse	0-65535	0-100%	0	Fade
194		Red intensity fine				
195		Green intensity coarse	0-65535	0-100%	0	Fade
196		Green intensity fine				
197		Blue intensity coarse	0-65535	0-100%	0	Fade
198		Blue intensity fine				
199		White intensity coarse	0-65535	0-100%	0	Fade
200		White intensity fine				
201	Shutter, all pixels	Shutter closed	0-4	0-1.6%	255	Snap
		Sync ramp up slow > fast	5-39	2.0-15.3%		Fade
		Sync ramp down slow > fast	40-74	15.7-29.0%		Fade
		Sync ramp up-down slow > fast	75-109	29.4-42.7		Fade
		Sync double flash slow > fast	110-144	43.1-56.5%		Fade
		Pixel Flare effect slow > fast	145-179	56.9-70.2%		Fade
		Random strobe slow > fast	180-214	70.6-83.9%		Fade
		Sync strobe 0.289 Hz > 16.67 Hz	215-249	84.3-97.6%		Fade
		Hyperspeed	250-252	98.0-98.8%		Snap
		Open	253-255	99.2-100%		Snap

Control / Settings						
202	Control / Settings	Idle	0-11	0-4.3%	0	Snap
		No function	12-38	4.7-14.9%		
		Dimmer flash Off*	39-41	15.3-16.1%		
		Dimmer flash On*	42-44	16.5-17.3%		
		No function	45-47	17.6-18.4%		
		Dimming curve Soft*	48-50	18.8-19.6%		
		Dimming curve Linear*	51-53	20.0-20.8%		
		No function	54-56	21.2-22.0%		
		Extra Shutter RGBW*	57-59	22.4-23.1%		
		Extra Shutter RGB only*	60-62	23.5-24.3%		
		Extra Shutter White only*	63-65	24.7-25.5%		
		No function	66-68	25.9-26.7%		
		Fan mode regulated*	69-71	27.1-27.8%		
		Fan mode high*	72-74	28.2-29.0%		
		Fan mode medium*	75-77	29.4-30.2%		
		Fan mode low*	78-80	30.6-31.4%		
		No function	81-83	31.8-32.5%		
		Display On*	84-86	32.9-33.7%		
		Display Off*	87-89	34.1-34.9%		
		Display Auto*	90-92	35.3-36.1%		
		Display invert Off*	93-95	36.5-37.3%		
		Display invert On*	96-98	37.6-38.4%		
		No DMX = Capture scene*	99-101	38.8-39.6%		
		No DMX = Stand-alone*	102-104	40.0-40.8%		
		No DMX = Blackout*	105-107	41.2-42.0%		
		No DMX = Hold*	108-110	42.4-43.1%		
		Test pattern On*	111-113	43.5-44.3%		
		Test pattern Off*	114-116	44.7-45.5%		
		Rotation Off*	117-119	45.9-46.7%		
		Rotate 90° *	120-122	47.1-47.8%		
		Rotate 180° *	123-125	48.2-49.0%		
		Rotate 270° *	126-128	49.4-50.2%		
		Pixel mirror Off*	129-131	50.6-51.4%		
		Pixel mirror On*	132-134	51.8-52.5%		
		White output limitation Off*	135-137	52.9-53.7%		
		White output limitation 80%*	138-140	54.1-54.9%		
		White output limitation 60%*	141-143	55.3-56.1%		
		White output limitation 40%*	144-146	56.5-57.3%		
		White output limitation 20%*	147-149	57.6-58.4%		
		White output limitation 10%*	150-152	58.8-59.6%		
		No function	153-158	60.0-62.0%		
		RGB output limitation Off%*	159-161	62.4-63.1%		
		RGB output limitation 80%*	162-164	63.5-64.3%		
RGB output limitation 60%*	165-167	64.7-65.5%				
RGB output limitation 40%*	168-170	65.9-66.7%				
RGB output limitation 20%*	171-173	67.1-67.8%				
RGB output limitation 10%*	174-176	68.2-69.0%				
No function	177-251	69.4-98.4%				
Reboot fixture*	252-255	98.8-100%				

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