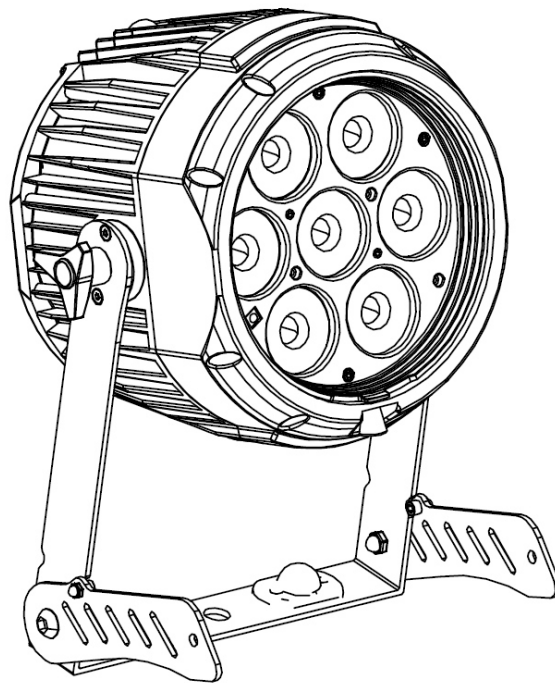


# DMX Channel Index

# FUSION

by GLP

## Fusion Par FP7



Software version 1.0.0.4



GLP® Fusion FP7 DMX Channel Index – Revision A  
This document covers fixture software version 1.0.0.4

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## 1. DMX control modes overview

The following DMX control modes are available in the FP7.

### DMX Mode 1: Standard

Standard Mode provides a virtual color wheel effect (color presets with rotation effects) and RGBW color mixing.

A separate Shutter channel provides strobe and ramp-up/down effects, and a Master dimmer channel controls overall intensity.

Color temperature control is available on a separate CTO channel.

#### Mode 1 Standard

1	Color wheel
2	Red
3	Green
4	Blue
5	White
6	Shutter
7	Master dimmer
8	CTO

### DMX Mode 2: 6-Channel

6-Channel Mode provides a Master dimmer and RGBW color mixing.

A separate Shutter channel provides strobe and ramp-up/down effects.

#### Mode 2 6-Channel

1	Master dimmer
2	Red
3	Green
4	Blue
5	White
6	Shutter

### DMX Mode 3: 5-Channel

5-Channel Mode provides a Master dimmer and RGBW color mixing.

#### Mode 3 5-Channel

1	Master dimmer
2	Red
3	Green
4	Blue
5	White

### DMX Mode 4: RGBW

RGBW Mode provides RGBW color mixing.

#### Mode 4 RGBW

1	Red
2	Green
3	Blue
4	White

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**DMX Mode 5: RGB**

RGB Mode provides RGB color mixing.

**Mode 5  
RGB**

1	Red
2	Green
3	Blue

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**DMX Mode 6: Easy**

Easy Mode provides a virtual color wheel effect and a Master dimmer.

**Mode 6  
Easy**

1	Color wheel
2	Master dimmer

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## 2. DMX control channel layout tables

### DMX Mode 1: Standard

#### 8 DMX Channels

Channel	Command	DMX range	Percent	Default DMX	Fade	
1	Color wheel	No function: RGBW color mixing	0-5	0-2.0%	0	Snap
		LEE 790 - Moroccan Pink	6-10	2.4-3.9%		
		LEE 157 - Pink	11-15	4.3-5.9%		
		LEE 332 - Special Rose Pink	16-20	6.3-7.8%		
		LEE 328 - Follies Pink	21-25	8.2-9.8%		
		LEE 345 - Fuchsia Pink	26-30	10.2-11.8%		
		LEE 194 - Surprise Pink	31-35	12.2-13.7%		
		LEE 181 - Congo Blue	36-40	14.1-15.7%		
		LEE 071 - Tokyo Blue	41-45	16.1-17.6%		
		LEE 120 - Deep Blue	46-50	18.0-19.6%		
		LEE 079 - Just Blue	51-55	20.0-21.6%		
		LEE 132 - Medium Blue	56-60	22.0-23.5%		
		LEE 200 - Double CT Blue	61-65	23.9-25.5%		
		LEE 161 - Slate Blue	66-70	25.9-27.5%		
		LEE 201 - Full CT Blue	71-75	27.8-29.4%		
		LEE 202 - Half CT Blue	76-80	29.8-31.4%		
		LEE 117 - Steel Blue	81-85	31.8-33.3%		
		LEE 353 - Lighter Blue	86-90	33.7-35.3%		
		LEE 118 - Light Blue	91-95	35.7-37.3%		
		LEE 116 - Medium Blue Green	96-100	37.6-39.2%		
		LEE 124 - Dark Green	101-105	39.6-41.2%		
		LEE 139 - Primary Green	106-110	41.6-43.1%		
		LEE 089 - Moss Green	111-115	43.5-45.1%		
		LEE 122 - Fern Green	116-120	45.5-47.1%		
		LEE 738 - JAS Green	121-125	47.5-49.0%		
		LEE 088 - Lime Green	126-130	49.4-51.0%		
		LEE 100 - Spring Yellow	131-135	51.4-52.9%		
		LEE 104 - Deep Amber	136-140	53.3-54.9%		
		LEE 179 - Chrome Orange	141-145	55.3-56.9%		
		LEE 105 - Orange	146-150	57.3-58.8%		
		LEE 021 - Gold Amber	151-155	59.2-60.8%		
		LEE 778 - Millennium Gold	156-160	61.2-62.7%		
		LEE 135 - Deep Golden Amber	161-165	63.1-64.7%		
		LEE 164 - Flame Red	166-170	65.1-66.7%		
		Color wheel rotation forwards fast-slow	171-185	67.1-72.5%		
		Color wheel stops at current color	186-190	72.9-74.5%		
		Color wheel rotation backwards fast-slow	191-205	74.9-80.4%		
		Color wheel stops at current color	206-210	80.8-82.4%		
		Random colors fast-slow	211-225	82.7-88.2%		
		Tungsten simulation	226-230	88.6-90.2%		
Warm white - 3200K	231-235	90.6-92.2%				
Neutral white - 4200K	236-240	92.5-94.1%				
Cool white - 5600K	241-245	94.5-96.1%				
Cool white - 7200K	246-250	96.5-98.0%				
Cool white - 8000K	251-255	98.4-100%				

<b>2</b>	<b>Red</b>	Intensity 0-100%	0-255	0-100%	0	Fade
<b>3</b>	<b>Green</b>	Intensity 0-100%	0-255	0-100%	0	Fade
<b>4</b>	<b>Blue</b>	Intensity 0-100%	0-255	0-100%	0	Fade
<b>5</b>	<b>White</b>	Intensity 0-100%	0-255	0-100%	0	Fade
<b>6</b>	<b>Shutter</b>	Shutter closed	0-15	0-5.9%	0	Snap
		Random strobe	16-47	6.3-18.4%		
		Ramp up slow-fast	48-79	18.8-31.0%		
		Ramp down slow-fast	80-111	31.4-43.5%		
		Ramp up-down slow-fast	112-143	43.9-56.1%		
		Strobe pause 5s – 1s (slow – fast)	144-199	56.5-78.0%		
		Strobe 1Hz – 20 Hz (slow – fast)	200-239	78.4-93.7%		
		Shutter open	240-255	94.1-100%		
<b>7</b>	<b>Dimmer</b>	Master intensity 0-100%	0-255	0-100%	0	Fade
<b>8</b>	<b>CTO</b>	Color temperature cool-warm	0-255	0-100%	0	Fade

## DMX Mode 2: 6-Channel

### 17 DMX Channels

Channel	Command	DMX range	Percent	Default DMX	Fade	
1	<b>Dimmer</b>	Master intensity 0-100%	0-255	0-100%	0	Fade
2	<b>Red</b>	Intensity 0-100%	0-255	0-100%	0	Fade
3	<b>Green</b>	Intensity 0-100%	0-255	0-100%	0	Fade
4	<b>Blue</b>	Intensity 0-100%	0-255	0-100%	0	Fade
5	<b>White</b>	Intensity 0-100%	0-255	0-100%	0	Fade
6	<b>Shutter</b>	Shutter closed	0-15	0-5.9%	0	Snap
		Random strobe	16-47	6.3-18.4%		
		Ramp up slow-fast	48-79	18.8-31.0%		
		Ramp down slow-fast	80-111	31.4-43.5%		
		Ramp up-down slow-fast	112-143	43.9-56.1%		
		Strobe pause 5s – 1s (slow – fast)	144-199	56.5-78.0%		
		Strobe 1Hz – 20 Hz (slow – fast)	200-239	78.4-93.7%		
		Shutter open	240-255	94.1-100%		



**DMX Mode 3: 5-Channel****5 DMX Channels**

Channel	Command	DMX range	Percent	Default DMX	Fade	
1	<b>Dimmer</b>	Master intensity 0-100%	0-255	0-100%	0	Fade
2	<b>Red</b>	Intensity 0-100%	0-255	0-100%	0	Fade
3	<b>Green</b>	Intensity 0-100%	0-255	0-100%	0	Fade
4	<b>Blue</b>	Intensity 0-100%	0-255	0-100%	0	Fade
5	<b>White</b>	Intensity 0-100%	0-255	0-100%	0	Fade

**DMX Mode 4: RGBW****4 DMX Channels**

Channel		Command	DMX range	Percent	Default DMX	Fade
1	<b>Red</b>	Intensity 0-100%	0-255	0-100%	0	Fade
2	<b>Green</b>	Intensity 0-100%	0-255	0-100%	0	Fade
3	<b>Blue</b>	Intensity 0-100%	0-255	0-100%	0	Fade
4	<b>White</b>	Intensity 0-100%	0-255	0-100%	0	Fade

**DMX Mode 5: RGB****3 DMX Channels**

Channel		Command	DMX range	Percent	Default DMX	Fade
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

## DMX Mode 6: Easy

### 2 DMX Channels

Channel	Command	DMX range	Percent	Default DMX	Fade	
1	Color wheel	No function: RGBW color mixing	0-5	0-2.0%	0	Snap
		LEE 790 - Moroccan Pink	6-10	2.4-3.9%		
		LEE 157 - Pink	11-15	4.3-5.9%		
		LEE 332 - Special Rose Pink	16-20	6.3-7.8%		
		LEE 328 - Follies Pink	21-25	8.2-9.8%		
		LEE 345 - Fuchsia Pink	26-30	10.2-11.8%		
		LEE 194 - Surprise Pink	31-35	12.2-13.7%		
		LEE 181 - Congo Blue	36-40	14.1-15.7%		
		LEE 071 - Tokyo Blue	41-45	16.1-17.6%		
		LEE 120 - Deep Blue	46-50	18.0-19.6%		
		LEE 079 - Just Blue	51-55	20.0-21.6%		
		LEE 132 - Medium Blue	56-60	22.0-23.5%		
		LEE 200 - Double CT Blue	61-65	23.9-25.5%		
		LEE 161 - Slate Blue	66-70	25.9-27.5%		
		LEE 201 - Full CT Blue	71-75	27.8-29.4%		
		LEE 202 - Half CT Blue	76-80	29.8-31.4%		
		LEE 117 - Steel Blue	81-85	31.8-33.3%		
		LEE 353 - Lighter Blue	86-90	33.7-35.3%		
		LEE 118 - Light Blue	91-95	35.7-37.3%		
		LEE 116 - Medium Blue Green	96-100	37.6-39.2%		
		LEE 124 - Dark Green	101-105	39.6-41.2%		
		LEE 139 - Primary Green	106-110	41.6-43.1%		
		LEE 089 - Moss Green	111-115	43.5-45.1%		
		LEE 122 - Fern Green	116-120	45.5-47.1%		
		LEE 738 - JAS Green	121-125	47.5-49.0%		
		LEE 088 - Lime Green	126-130	49.4-51.0%		
		LEE 100 - Spring Yellow	131-135	51.4-52.9%		
		LEE 104 - Deep Amber	136-140	53.3-54.9%		
		LEE 179 - Chrome Orange	141-145	55.3-56.9%		
		LEE 105 - Orange	146-150	57.3-58.8%		
		LEE 021 - Gold Amber	151-155	59.2-60.8%		
		LEE 778 - Millennium Gold	156-160	61.2-62.7%		
		LEE 135 - Deep Golden Amber	161-165	63.1-64.7%		
		LEE 164 - Flame Red	166-170	65.1-66.7%		
		Color wheel rotation forwards fast-slow	171-185	67.1-72.5%		
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		Tungsten simulation	226-230	88.6-90.2%		
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Cool white - 5600K	241-245	94.5-96.1%				
Cool white - 7200K	246-250	96.5-98.0%				
Cool white - 8000K	251-255	98.4-100%				
2	Dimmer	Intensity 0 – 100%	0-255	0-100%	0	Fade

