

# Kino Flo True Match® 4.10 Firmware DMX Mapping WHITE MODE



## CHANNEL FUNCTION

Channel	8 BIT DIMMING	16 BIT DIMMING
BASE ADDRESS (BA)	Dimming	Dimming (Most Significant Byte)
BASE ADDRESS + 1	Kelvin (CCT)	Dimming (Least Significant Byte)
BASE ADDRESS + 2	Green/Magenta	Kelvin (CCT)
BASE ADDRESS + 3	N / A	Green/Magenta

8 bit/16 bit dimming and square/linear dimming can be set in the DMX menu

### MODE: White mode 8-Bit (default)

Channel name	DMX From	DMX To	Channel	No. Fnc	Function
<b>Dimming-square (default)</b>			BA	2	
0 to 3.9	0	50			Linear
4 to 100	51	255			$100*((DMX/255)^2)$
<b>Dimming-linear</b>			BA	1	
0 to 100	0	255			Linear
<b>Kelvin (CCT)</b>			BA+1	1	
2700k to 6500k	0	255			Linear (round to 25k)
<b>Green/Magenta</b>			BA+2	8	
Off	0	3			Off
0 G/M	4	11			0
100 M	12	22			100
99M to 1 M	23	121			Linear
0 G/M	122	133			0
1G to 99G	134	232			Linear
100G	233	243			100
0 G/M	244	255			0

### MODE: White mode 16-Bit

Channel name	DMX From	DMX To	Channel	No. Fnc	Function
<b>Dimming-square (default)</b>			BA-BA+1	4	
0	0	0			0
>0 to 0.1	1	344			Linear
.11 to 3.9	345	13106			$(DMX/13107)*4$
4 to 100	13107	65535			$100*((DMX/65535)^2)$
<b>Dimming-linear</b>			BA-BA+1	1	
0 to 100	0	65535			Linear
<b>Kelvin (CCT)</b>			BA+2	1	
2700k to 6500k	0	255			Linear (round to 25k)
<b>Green/Magenta</b>			BA+3	8	
Off	0	3			Off
0 G/M	4	11			0
100 M	12	22			100
99M to 1 M	23	121			Linear
0 G/M	122	133			0
1G to 99G	134	232			Linear
100G	233	243			100
0 G/M	244	255			0

# Kino Flo True Match® 4.10 Firmware DMX Mapping GELS / HUE COLOR MODE



## CHANNEL FUNCTION

Channel	8 BIT DIMMING	16 BIT DIMMING
BASE ADDRESS (BA)	Dimming	Dimming (Most Significant Byte)
BASE ADDRESS + 1	Kelvin (CCT)	Dimming (Least Significant Byte)
BASE ADDRESS + 2	Green/Magenta	Kelvin (CCT)
BASE ADDRESS + 3	Gel List	Green/Magenta
BASE ADDRESS + 4	Hue Angle	Gel List
BASE ADDRESS + 5	Saturation	Hue Angle
BASE ADDRESS + 6	N / A	Saturation

8 bit/16 bit dimming and square/linear dimming can be set in the DMX menu

### MODE: Gels/Hue mode 8-bit (default)

Channel name	DMX From	DMX To	Channel	No. Fnc	Function
<b>Dimming-square (default)</b>			BA	2	
0 to 3.9	0	50			Linear
4 to 100	51	255			$100*((DMX/255)^2)$
<b>Dimming-linear</b>			BA	1	
0 to 100	0	255			Linear
<b>Kelvin (CCT)</b>			BA+1	1	
2500k to 9900k	0	255			Linear (round to 25k)
<b>Green/Magenta</b>			BA+2	8	
Off	0	3			Off
0 G/M	4	11			0
100 M	12	22			100
99M to 1 M	23	121			Linear
0 G/M	122	133			0
1G to 99G	134	232			Linear
100G	233	243			100
0 G/M	244	255			0
<b>* Gel List</b>			BA+3	1	
See Gel List	0	232			See Gel List
<b>** Hue Angle</b>			BA+4	1	
0 to 360	0	255			$DMX*(360/255)$
<b>** Saturation</b>			BA+5	1	
0 to 100	0	255			$DMX*(100/255)$

### MODE: Gels/Hue mode 16-Bit

Channel name	DMX From	DMX To	Channel	No. Fnc	Function
<b>Dimming-square (default)</b>			BA-BA+1	4	
0	0	0			0
>0 to 0.1	1	344			0.1
.11 to 3.9	345	13106			$(DMX/13107)*4$
4 to 100	13107	65535			$100*((DMX/65535)^2)$
<b>Dimming-linear</b>			BA-BA+1	1	
0 to 100	0	65535			Linear
<b>Kelvin (CCT)</b>			BA+2	1	
2500k to 9900k	0	255			Linear (round to 25k)
<b>Green/Magenta</b>			BA+3	8	
Off	0	3			Off
0 G/M	4	11			0
100 M	12	22			100
99M to 1 M	23	121			Linear
0 G/M	122	133			0
1G to 99G	134	232			Linear
100G	233	243			100
0 G/M	244	255			0
<b>* Gel List</b>			BA+4	1	
See Gel List	0	232			See Gel List
<b>** Hue Angle</b>			BA+5	1	
0 to 360	0	255			$DMX*(360/255)$
<b>** Saturation</b>			BA+6	1	
0 to 100	0	255			$DMX*(100/255)$

\* Gel List only active when Green/Magenta < 3

\*\* Hue angle and Saturation only active when Green/Magenta and Gel list < 3

# Kino Flo True Match® 4.10 Firmware DMX Mapping

## GELS / HUE COLOR MODE



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### GEL LIST

Active if Green / Magenta < 3

DMX VALUE	GEL	DMX VALUE	GEL	DMX VALUE	GEL	DMX VALUE	GEL
0-4	Off	60-61	Dark Salmon	118-119	Pale Green	176-177	Special Lavender
4-5	KF Candle Flame	62-63	Fire	120-121	Leaf Green	178-179	Pale Violet
6-7	KF Flo Warm White	64-65	Sunset Red	122-123	Fern Green	180-181	Just Blue
8-9	KF Flo Cool White	66-67	Pale Gold	124-125	Primary Green	182-183	Violet
10-11	KF LP Sodium Vpr	68-69	English Rose	126-127	Moss Green	184-185	Dark Blue
12-13	KF Mercury Vpr	70-71	Bastard Amber	128-129	Dark Y Green	186-187	Surprise Pink
14-15	KF 20K Blue Sky	72-73	Surprise Peach	130-131	Dark Green	188-189	Deeper Blue
16-17	KF Green Screen	74-75	Deep Gld Amber	132-133	Marine Blue	190-191	Special M Blue
18-19	KF Blue Screen	76-77	Dark Amber	134-135	Peacock Blue	192-193	Zenith Blue
20-21	Smokey Pink	78-79	Apricot	136-137	Med Blue-Green	194-195	Light Lavender
22-23	Dark Magenta	80-81	Gold Amber	138-139	Sp Steel Blue	196-197	Palace Blue
24-25	Bright Rose	82-83	Cosmetic Peach	140-141	Lagoon Blue	198-199	Lilac Tint
26-27	Pale Salmon	84-85	Deep Orange	142-143	Steel Blue	200-201	Deep Blue
28-29	Light Rose	86-87	Chocolate	144-145	Lighter Blue	202-203	Lavender Tint
30-31	Light Salmon	88-89	Orange	146-147	Summer Blue	204-205	Pale Lavender
32-33	Magenta	90-91	White Flame	148-149	Light Blue	206-207	Dark Lavender
34-35	Pink	92-93	Medium Amber	150-151	Moonlight Blue	208-209	Lavender
36-37	Rosy Amber	94-95	Pale Amber Gold	152-153	Pale Blue	210-211	Deep Lavender
38-39	Pale Red	96-97	Chrome Orange	154-155	Pale Navy Blue	212-213	Congo Blue
40-41	Scarlet	98-99	Straw Tint	156-157	Mist Blue	214-215	Rose Purple
42-43	Loving Amber	100-101	Straw	158-159	Bright Blue	216-217	Mauve
44-45	Pale Rose	102-103	Deep Straw	160-161	True Blue	218-219	Rose Pink
46-47	Medium Red	104-105	Deep Amber	162-163	Dark Steel Blue	220-221	Follies Pink
48-49	Gold Tint	106-107	Light Amber	164-165	Daylight Blue	222-223	Bright Pink
50-51	M Bastard Amber	108-109	Yellow	166-167	Slate Blue	224-225	Middle Rose
52-53	Bright Red	110-111	Medium Yellow	168-169	Medium Blue	226-227	Medium Pink
54-55	Flame Red	112-113	Spring Yellow	170-171	Sky Blue	228-229	Light Pink
56-57	Primary Red	114-115	Pale Yellow	172-173	Paler Lavender	230-231	Dark Pink
58-59	Light Red	116-117	Lime Green	174-175	Alice Blue	232-233	Flesh Pink

# Kino Flo True Match® 4.10 Firmware DMX Mapping RGB COLOR MODE



## CHANNEL FUNCTION

Channel	8 BIT DIMMING	16 BIT DIMMING
BASE ADDRESS (BA)	Dimming	Dimming (Most Significant Byte)
BASE ADDRESS + 1	Kelvin (CCT)	Dimming (Least Significant Byte)
BASE ADDRESS + 2	Green/Magenta	Kelvin (CCT)
BASE ADDRESS + 3	Red	Green/Magenta
BASE ADDRESS + 4	Green	Red
BASE ADDRESS + 5	Blue	Green
BASE ADDRESS + 6	N / A	Blue

8 bit/16 bit dimming and square/linear dimming can be set in the DMX menu

### MODE: RGB Mode 8-bit (default)

Channel name	DMX From	DMX To	Channel	No. Fnc	Function
<b>Dimming-square (default)</b>			BA	2	
0 to 3.9	0	50			Linear
4 to 100	51	255			$100*((DMX/255)^2)$
<b>Dimming-linear</b>			BA	1	
0 to 100	0	255			Linear
<b>Kelvin (CCT)</b>			BA+1	1	
2500k to 9900k	0	255			Linear (round to 25k)
<b>Green/Magenta</b>			BA+2	8	
Off	0	3			Off
0 G/M	4	11			0
100 M	12	22			100
99M to 1 M	23	121			Linear
0 G/M	122	133			0
1G to 99G	134	232			Linear
100G	233	243			100
0 G/M	244	255			0
<b>* Red</b>			BA+3	1	
0 to 255	0	255			Linear
<b>* Green</b>			BA+4	1	
0 to 255	0	255			Linear
<b>* Blue</b>			BA+5	1	
0 to 255	0	255			Linear

### MODE: RGB mode 16-Bit

Channel name	DMX From	DMX To	Channel	No. Fnc	Function
<b>Dimming-square (default)</b>			BA-BA+1	4	
0	0	0			0
>0 to 0.1	1	344			0.1
.11 to 3.9	345	13106			$(DMX/13107)*4$
4 to 100	13107	65535			$100*((DMX/65535)^2)$
<b>Dimming-linear</b>			BA-BA+1	1	
0 to 100	0	65535			Linear
<b>Kelvin (CCT)</b>			BA+2	1	
2500k to 9900k	0	255			Linear (round to 25k)
<b>Green/Magenta</b>			BA+3	8	
Off	0	3			Off
0 G/M	4	11			0
100 M	12	22			100
99M to 1 M	23	121			Linear
0 G/M	122	133			0
1G to 99G	134	232			Linear
100G	233	243			100
0 G/M	244	255			0
<b>* Red</b>			BA+4	1	
0 to 255	0	255			Linear
<b>* Green</b>			BA+5	1	
0 to 255	0	255			Linear
<b>* Blue</b>			BA+6	1	
0 to 255	0	255			Linear

\* Red, Green, and Blue only active when Green/Magenta < 3

# Kino Flo True Match® 4.10 Firmware DMX Mapping

## CIE xy COLOR MODE



### CHANNEL FUNCTION

Channel	8 BIT DIMMING	16 BIT DIMMING
BASE ADDRESS (BA)	Dimming	Dimming (Most Significant Byte)
BASE ADDRESS + 1	CIE x	Dimming (Least Significant Byte)
BASE ADDRESS + 2	CIE y	CIE x
BASE ADDRESS + 3	N / A	CIE y

8 bit/16 bit dimming and square/linear dimming can be set in the DMX menu

### MODE: CIE xy mode 8-Bit (default)

Channel name	DMX From	DMX To	Channel	No. Fnc	Function
<b>Dimming-square (default)</b>			BA	2	
0 to 3.9	0	50			Linear
4 to 100	51	255			$100*((DMX/255)^2)$
<b>Dimming-linear</b>			BA	1	
0 to 100	0	255			Linear
<b>CIE x</b>			BA+1	1	
0 to 0.8	0	255			Linear
<b>CIE y</b>			BA+2	1	
0 to 0.8	0	255			Linear

### MODE: CIE xy mode 16-Bit

Channel name	DMX From	DMX To	Channel	No. Fnc	Function
<b>Dimming-square (default)</b>			BA-BA+1	4	
0	0	0			0
>0 to 0.1	1	344			Linear
.11 to 3.9	345	13106			$(DMX/13107)*4$
4 to 100	13107	65535			$100*((DMX/65535)^2)$
<b>Dimming-linear</b>			BA-BA+1	1	
0 to 100	0	65535			Linear
<b>CIE x</b>			BA+2	1	
0 to 0.8	0	255			Linear
<b>CIE y</b>			BA+3	1	
0 to 0.8	0	255			Linear

# Kino Flo True Match® 4.10 Firmware DMX Mapping FX (EFFECTS) MODE



## CHANNEL FUNCTION

Channel	8 BIT DIMMING	16 BIT DIMMING
BASE ADDRESS (BA)	Dimming	Dimming (Most Significant Byte)
BASE ADDRESS + 1	Effect	Dimming (Least Significant Byte)
BASE ADDRESS + 2	Kelvin (CCT)	Effect
BASE ADDRESS + 3	Effect Param 1	Kelvin (CCT)
BASE ADDRESS + 4	Effect Param 2	Effect Param 1
BASE ADDRESS + 5	Effect Param 3	Effect Param 2
BASE ADDRESS + 6	Effect Param 4	Effect Param 3
BASE ADDRESS + 7	Effect Param 5	Effect Param 4
BASE ADDRESS + 8	N / A	Effect Param 5

8 bit/16 bit dimming and square/linear dimming can be set in the DMX menu

### MODE: EFFECTS Mode 8-bit (default)

Channel name	DMX From	DMX To	Channel	No. Fnc	Function
<b>Dimming-square (default)</b>			BA	2	
0 to 3.9	0	50			Linear
4 to 100	51	255			$100*((DMX/255)^2)$
<b>Dimming-linear</b>			BA	1	
0 to 100	0	255			Linear
<b>Effect</b>			BA+1	8	
Candle	0	19			Selected
Fire	20	29			Selected
TV	30	39			Selected
Police	40	49			Selected
Lightning	50	59			Selected
Paparazzi	60	69			Selected
Pulse	70	79			Selected
Scroll	80	89			Selected
<b>Kelvin (CCT) (Fire and Candle)</b>			BA+2	1	
1400K to 2500K	0	255			Linear (round to 25k)
<b>Kelvin (CCT) (All others)</b>			BA+2	2	
2500k to 9900k	0	255			Linear (round to 25k)
<b>Effect Parameter 1</b>			BA+3		see effect
<b>Effect Parameter 2</b>			BA+4		see effect
<b>Effect Parameter 3</b>			BA+5		see effect
<b>Effect Parameter 4</b>			BA+6		see effect
<b>Effect Parameter 5</b>			BA+7		see effect

### MODE: EFFECTS mode 16-Bit

Channel name	DMX From	DMX To	Channel	No. Fnc	Function
<b>Dimming-square (default)</b>			BA-BA+1	4	
0	0	0			0
>0 to 0.1	1	344			0.1
.11 to 3.9	345	13106			$(DMX/13107)*4$
4 to 100	13107	65535			$100*((DMX/65535)^2)$
<b>Dimming-linear</b>			BA-BA+1	1	
0 to 100	0	65535			Linear
<b>Effect</b>			BA+2	8	
Candle	0	19			Selected
Fire	20	29			Selected
TV	30	39			Selected
Police	40	49			Selected
Lightning	50	59			Selected
Paparazzi	60	69			Selected
Pulse	70	79			Selected
Scroll	80	89			Selected
<b>Kelvin (CCT) (Fire and Candle)</b>			BA+3	1	
1400K to 2500K	0	255			Linear (round to 25k)
<b>Kelvin (CCT) (All others)</b>			BA+3	2	
2500k to 9900k	0	255			Linear (round to 25k)
<b>Effect Parameter 1</b>			BA+4		see effect
<b>Effect Parameter 2</b>			BA+5		see effect
<b>Effect Parameter 3</b>			BA+6		see effect
<b>Effect Parameter 4</b>			BA+7		see effect
<b>Effect Parameter 5</b>			BA+8		see effect

# Kino Flo True Match® 4.10 Firmware DMX Mapping FX (EFFECTS) MODE - PARAMETERS 1 of 2



## Effect Parameters per effect

### CANDLE

Channel name	DMX From	DMX To	No. Fnc	Function
<b>Effect Parameter 1</b>			<b>2</b>	
Interior	0	9		selected
Breeze	10	19		selected
<b>Effect Parameter 2</b>			<b>1</b>	
Rate 1 to 20	0	255		Linear
<b>Effect Parameter 3</b>			<b>1</b>	
Amplitude 1 to 100	0	255		Linear
<b>Effect Parameter 4</b>			<b>0</b>	
<b>Effect Parameter 5</b>	255	255	1	Sync

### POLICE

Channel name	DMX From	DMX To	No. Fnc	Function
<b>Effect Parameter 1</b>			<b>5</b>	
Blue + Red	0	9		selected
Red	10	19		selected
Yellow	20	29		selected
Blue + White + Red	30	39		selected
Blue	40	49		selected
<b>Effect Parameter 2</b>			<b>1</b>	
Burst 1 to 4	0	255		Linear
<b>Effect Parameter 3</b>			<b>1</b>	
Rate 1 to 100	0	255		Linear
<b>Effect Parameter 4</b>			<b>0</b>	
<b>Effect Parameter 5</b>	255	255	1	Sync

### FIRE

Channel name	DMX From	DMX To	No. Fnc	Function
<b>Effect Parameter 1</b>			<b>2</b>	
Firepit	0	9		selected
Gas Fireplace	10	19		selected
<b>Effect Parameter 2</b>			<b>1</b>	
Rate 1 to 20	0	255		Linear
<b>Effect Parameter 3</b>			<b>1</b>	
Amplitude 1 to 100	0	255		Linear
<b>Effect Parameter 4</b>			<b>0</b>	
<b>Effect Parameter 5</b>	255	255	1	Sync

### LIGHTNING

Channel name	DMX From	DMX To	No. Fnc	Function
<b>Effect Parameter 1</b>			<b>2</b>	
Storm	0	9		selected
Frankenstein	10	19		selected
<b>Effect Parameter 2</b>			<b>1</b>	
Rate 1 to 20	0	255		Linear
<b>Effect Parameter 3</b>			<b>0</b>	
<b>Effect Parameter 4</b>			<b>0</b>	
<b>Effect Parameter 5</b>	255	255	1	Sync

### TV

Channel name	DMX From	DMX To	No. Fnc	Function
<b>Effect Parameter 1</b>			<b>3</b>	
Movie	0	9		selected
Music Video	10	19		selected
Sports	20	29		selected
<b>Effect Parameter 2</b>			<b>1</b>	
Rate 1 to 20	0	255		Linear
<b>Effect Parameter 3</b>			<b>1</b>	
Amplitude 1 to 100	0	255		Linear
<b>Effect Parameter 4</b>			<b>0</b>	
<b>Effect Parameter 5</b>	255	255	1	Sync

### PAPARAZZI

Channel name	DMX From	DMX To	No. Fnc	Function
<b>Effect Parameter 1</b>			<b>2</b>	
Red Carpet	0	9		selected
Stalker	10	19		selected
<b>Effect Parameter 2</b>			<b>1</b>	
Rate 1 to 100	0	255		Linear
<b>Effect Parameter 3</b>			<b>1</b>	
Flash 1 to 100	0	255		Linear
<b>Effect Parameter 4</b>			<b>0</b>	
<b>Effect Parameter 5</b>	255	255	1	Sync

# Kino Flo True Match® 4.10 Firmware DMX Mapping FX (EFFECTS) MODE - PARAMETERS 2 of 2



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Effect Parameters per effect

**PULSE**

Channel name	DMX From	DMX To	No. Fnc	Function
<b>Effect Parameter 1</b>			<b>1</b>	
Hue 0 to 360	0	255		Linear
<b>Effect Parameter 2</b>			<b>1</b>	
Saturation 0 to 100	0	255		Linear
<b>Effect Parameter 3</b>			<b>1</b>	
Rate 1 to 100	0	255		Linear
<b>Effect Parameter 4</b>			<b>1</b>	
Length 1 to 100	0	255		Linear
<b>Effect Parameter 5</b>	255	255	<b>1</b>	Sync

**SCROLL**

Channel name	DMX From	DMX To	No. Fnc	Function
<b>Effect Parameter 1</b>			<b>1</b>	
Time 0.6 to 60 sec	0	255		Linear
<b>Effect Parameter 2</b>			<b>1</b>	
Saturation 0 to 100	0	255		Linear
<b>Effect Parameter 3</b>			<b>0</b>	
<b>Effect Parameter 4</b>			<b>0</b>	
<b>Effect Parameter 5</b>	255	255	<b>1</b>	Sync