

**NANLITE**

*Forza 500B II*  
DMX REFERENCE GUIDE

Guangdong NanGuang Photo&Video Systems Co., Ltd.

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## CCT 8bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	<b>DIMMER</b> 0.0% - 100.0%	
2	0-255	0-100	CCT	2700K - 6500K
3	0-10 11-20 21-99 100-165 166-244 245-255	0-4 5-8 9-47 48-57 58-96 97-100	<b>GREEN/MAGENTA</b> Neutral/No Effect -80 Green -79 to -1 Green Neutral/No Effect +1 to +79 Green +80 Green	

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
4	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
5	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	<b>STROBE</b> OFF Random Fast Random Medium Random Slow Variable Strobe (0.4Hz --> 25Hz)	
6 - 7			RESERVED	

## CCT 16bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1-2	0-65535	0-100	<b>DIMMER</b> 0.0% - 100.0%	
3-4	0-65535	0-100	CCT	2700K - 6500K
5-6	0-5000 5001-10000 10001-29999 30000-40000 40001-59999 60000-65535	0-4 5-8 9-47 48-57 58-96 97-100	<b>GREEN/MAGENTA</b> Neutral/No Effect -80 Green -79 to -1 Green Neutral/No Effect +1 to +79 Green +80 Green	

When "DMX Reduced Channels" is ON, the following channels are reduced in all DMX modes except ULTIMATE DMX MODE.

CHANNEL	VALUE	%	FUNCTION	NOTES
7	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
8	0 - 3 4 5 6 7-255	0 - 1.2 1.6 2.0 2.4 2.7 - 100	<b>STROBE</b> OFF Random Fast Random Medium Random Slow Variable Strobe (0.4Hz --> 25Hz)	
9 - 12			RESERVED	

## ULTIMATE DMX 8bit - CCT MODE

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	<b>DIMMER</b> 0.0% - 100.0%	
2	0-63 64-127 128-255	0-25 26-50 51-100	<b>MODE</b> CCT EFFECT RESERVED	$0 \leq \text{value} \leq 63$
3	0-255	0-100	CCT	2700K-6500K
4	0-10 11-20 21-99 100-165 166-244 245-255	0-4 5-8 9-47 48-57 58-96 97-100	<b>GREEN/MAGENTA</b> Neutral/No Effect -80 Green -79 to -1 Green Neutral/No Effect +1 to +79 Green +80 Green	

## ULTIMATE DMX 8bit - CCT MODE

CHANNEL	VALUE	%	FUNCTION	NOTES
5 - 11	0-255	0-100	N/A	
12	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	

## ULTIMATE DMX 8bit - EFFECT MODE

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	<b>DIMMER</b> 0.0% - 100.0%	
2	0-63 64-127 128-255	0-25 26-50 51-100	<b>MODE</b> CCT EFFECT RESERVED	64 ≤ value ≤ 127



## ULTIMATE DMX 8bit - EFFECT MODE

CHANNEL	VALUE	%	FUNCTION	NOTES
3	0-18	0-7	<b>EFFECT MODE</b>	
	19-36	8-14	CCT LOOP	
	37-54	15-21	INT LOOP	
	55-72	22-28	FLASH	
	73-90	29-35	PULSE	
	91-108	36-42	STORM	
	109-126	43-50	TV	
	127-144	51-57	PAPARAZZI	
	145-162	58-64	CANDLE/FIRE	
	163-180	65-71	BAD BULB	
	181-198	72-78	FIREWORK	
	199-216	79-85	EXPLOSION	
	217-255	86-100	WELDING RESERVED	
4	0-255	0-100	DMX EFFECTS PARAMETER #1	See DMX Effects chart
5	0-255	0-100	DMX EFFECTS PARAMETER #2	See DMX Effects chart

### ULTIMATE DMX 8bit - EFFECT MODE

CHANNEL	VALUE	%	FUNCTION	NOTES
6	0-255	0-100	DMX EFFECTS PARAMETER #3	See DMX Effects chart
7	0-255	0-100	DMX EFFECTS PARAMETER #4	See DMX Effects chart
8	0-255	0-100	DMX EFFECTS PARAMETER #5	See DMX Effects chart
9	0-255	0-100	DMX EFFECTS PARAMETER #6	See DMX Effects chart
10	0-255	0-100	DMX EFFECTS PARAMETER #7	See DMX Effects chart
11	0-255	0-100	DMX EFFECTS PARAMETER #8	See DMX Effects chart
12	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	

## DMX EFFECT CHART

EFFECT	CCT LOOP 0 ≤ value ≤ 18			
CH4/PARAMETER #1	CCT HIGH			
CH5/PARAMETER #2	CCT LOW			
CH6/PARAMETER #3	G/M			
CH7/PARAMETER #4	SPEED			
CH8/PARAMETER #5	CYCLE:ONE WAY = 0-85(0%-33%) CYCLE:TWO WAY = 86-170(34%-66%) CYCLE:REVERSE = 171-255(67%-100%)			
CH9/PARAMETER #6	ADD-ON: OFF = 0-63 (0%-25%)	ADD-ON: FLASH = 64-127 (26%-50%)	ADD-ON: RANDOM FLASH = 128-191 (51%-75%)	ADD-ON: PULSE = 192-255 (76%-100%)
CH10/PARAMETER #7	N/A	INTERVALS	SPEED	PULSES/MIN
CH11/PARAMETER #8	N/A	FLASH RATIO	N/A	N/A

## DMX EFFECT CHART

EFFECT	INT LOOP 19 ≤ value ≤ 36			
CH4/PARAMETER #1	DIM LOW			
CH5/PARAMETER #2	CCT			
CH6/PARAMETER #3	G/M			
CH7/PARAMETER #4	SPEED			
CH8/PARAMETER #5	CYCLE: ONE WAY = 0-85(0%-33%) CYCLE: TWO WAY = 86-170(34%-66%) CYCLE: REVERSE = 171-255(67%-100%)			
CH9/PARAMETER #6	ADD-ON: OFF = 0-63 (0%-25%)	ADD-ON: FLASH = 64-127 (26%-50%)	ADD-ON: RANDOM FLASH = 128-191 (51%-75%)	ADD-ON: PULSE = 192-255 (76%-100%)
CH10/PARAMETER #7	N/A	INTERVALS	SPEED	PULSES/MIN
CH11/PARAMETER #8	N/A	FLASH RATIO	N/A	N/A

## DMX EFFECT CHART

EFFECT	FLASH 37 ≤ value ≤ 54	
CH4/PARAMETER #1	CCT	
CH5/PARAMETER #2	G/M	
CH6/PARAMETER #3	INTERVALS	
CH7/PARAMETER #4	FLASH RATIO	
CH8/PARAMETER #5	PAUSE: OFF = 0-127(0%-50%)	PAUSE: ON = 128-255(51%-100%)
CH9/PARAMETER #6	N/A	
CH10/PARAMETER #7	N/A	
CH11/PARAMETER #8	N/A	

## DMX EFFECT CHART

EFFECT	PULSE 55 ≤ value ≤ 72
CH4/PARAMETER #1	CCT
CH5/PARAMETER #2	G/M
CH6/PARAMETER #3	PULSES/MIN
CH7/PARAMETER #4	N/A
CH8/PARAMETER #5	N/A
CH9/PARAMETER #6	N/A
CH10/PARAMETER #7	N/A
CH11/PARAMETER #8	N/A

## DMX EFFECT CHART

EFFECT	STORM 73 ≤ value ≤ 90	
CH4/PARAMETER #1	CCT	
CH5/PARAMETER #2	FLASH TIMES HIGH	
CH6/PARAMETER #3	FLASH TIMES LOW	
CH7/PARAMETER #4	TRIGGER: AUTO = 0-127(0%-50%)	TRIGGER: MANUAL = 128-255(51%-100%)
CH8/PARAMETER #5	INTERVAL HIGH	Trigger: OFF = 0-127(0%-50%) Trigger: ON = 128-255(51%-100%)
CH9/PARAMETER #6	INTERVAL LOW	N/A
CH10/PARAMETER #7	PAUSE: OFF = 0-127(0%-50%) PAUSE: ON = 128-255(51%-100%)	N/A
CH11/PARAMETER #8	N/A	

## DMX EFFECT CHART

EFFECT	TV 91 ≤ value ≤ 108
CH4/PARAMETER #1	DIM LOW
CH5/PARAMETER #2	CCT
CH6/PARAMETER #3	G/M
CH7/PARAMETER #4	CCT SHIFT
CH8/PARAMETER #5	SPEED
CH9/PARAMETER #6	N/A
CH10/PARAMETER #7	N/A
CH11/PARAMETER #8	N/A



## DMX EFFECT CHART

EFFECT	PAPARAZZI 109 ≤ value ≤ 126
CH4/PARAMETER #1	CCT
CH5/PARAMETER #2	G/M
CH6/PARAMETER #3	SPEED
CH7/PARAMETER #4	N/A
CH8/PARAMETER #5	N/A
CH9/PARAMETER #6	N/A
CH10/PARAMETER #7	N/A
CH11/PARAMETER #8	N/A

## DMX EFFECT CHART

EFFECT	CANDLE/FIRE 127 ≤ value ≤ 144
CH4/PARAMETER #1	DIM LOW
CH5/PARAMETER #2	CCT
CH6/PARAMETER #3	G/M
CH7/PARAMETER #4	CCT SHIFT
CH8/PARAMETER #5	SPEED
CH9/PARAMETER #6	FLICKER: OFF = 0-127(0%-50%) FLICKER: ON = 128-255(51%-100%)
CH10/PARAMETER #7	N/A
CH11/PARAMETER #8	N/A

## DMX EFFECT CHART

EFFECT	BAD BULB 145 ≤ value ≤ 162
CH4/PARAMETER #1	CCT
CH5/PARAMETER #2	G/M
CH6/PARAMETER #3	INTENSITY
CH7/PARAMETER #4	SPEED
CH8/PARAMETER #5	N/A
CH9/PARAMETER #6	N/A
CH10/PARAMETER #7	N/A
CH11/PARAMETER #8	N/A

## DMX EFFECT CHART

EFFECT	FIREWORK 163 ≤ value ≤ 180
CH4/PARAMETER #1	CCT
CH5/PARAMETER #2	G/M
CH6/PARAMETER #3	CCT SHIFT
CH7/PARAMETER #4	SPEED
CH8/PARAMETER #5	DECAY
CH9/PARAMETER #6	N/A
CH10/PARAMETER #7	N/A
CH11/PARAMETER #8	N/A

## DMX EFFECT CHART

EFFECT	EXPLOSION 181 ≤ value ≤ 198	
CH4/PARAMETER #1	CCT	
CH5/PARAMETER #2	G/M	
CH6/PARAMETER #3	DECAY	
CH7/PARAMETER #4	TRIGGER: AUTO = 0-127(0%-50%)	TRIGGER: MANUAL = 128-255(51%-100%)
CH8/PARAMETER #5	SPEED	Trigger: OFF = 0-127(0%-50%) Trigger: ON = 128-255(51%-100%)
CH9/PARAMETER #6	N/A	
CH10/PARAMETER #7	N/A	
CH11/PARAMETER #8	N/A	

## DMX EFFECT CHART

EFFECT	WELDING 199 ≤ value ≤ 216
CH4/PARAMETER #1	DIM LOW
CH5/PARAMETER #2	CCT
CH6/PARAMETER #3	G/M
CH7/PARAMETER #4	SPEED
CH8/PARAMETER #5	PAUSE: OFF = 0-127(0%-50%) PAUSE: ON = 128-255(51%-100%)
CH9/PARAMETER #6	N/A
CH10/PARAMETER #7	N/A
CH11/PARAMETER #8	N/A

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