

**NANLITE**

*Forza 500 II*  
DMX REFERENCE GUIDE

Guangdong NanGuang Photo&Video Systems Co., Ltd.

# CATALOG

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## DAYLIGHT 8bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	<b>DIMMER</b> 0.0% to 100.0%	
2	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
3	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
4	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)	
5 - 6			RESERVED	

## DAYLIGHT 16bit

CHANNEL	VALUE	%	FUNCTION	NOTES
1-2	0-65535	0-100	<b>DIMMER</b> 0.0% to 100.0%	
3-4	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
5	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	SMART FULL SPEED LOW SPEED FAN OFF	
6	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)	
7 - 10			RESERVED	

### ULTIMATE DMX 8bit - DAYLIGHT MODE

CHANNEL	VALUE	%	FUNCTION	NOTES
1	0-255	0-100	<b>DIMMER</b> 0.0% to 100.0%	
2	0-63 64-127 128-255	0-25 26-50 51-100	<b>MODE</b> DAYLIGHT EFFECT RESERVED	$0 \leq \text{value} \leq 63$
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	
4-10			N/A	
11	0-63 64-127 128-191 192-255	0-25 26-50 51-75 76-100	<b>SMART</b> 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% to 100.0%	
2	0-63 64-127 128-255	0-25 26-50 51-100	<b>MODE</b> DAYLIGHT EFFECT RESERVED	$64 \leq \text{value} \leq 127$
3	0-18 19-36 37-54 55-72 73-90 91-108 109-126 127-144 145-162 163-180 181-198 199-255	0-7 8-14 15-21 22-28 29-35 36-42 43-50 51-57 58-64 65-71 72-78 79-100	<b>EFFECT MODE</b> INT LOOP FLASH PULSE STORM TV PAPARAZZI CANDLE/FIRE BAD BULB FIREWORK EXPLOSION WELDING RESERVED	



## ULTIMATE DMX 8bit - EFFECT MODE

CHANNEL	VALUE	%	FUNCTION	NOTES
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
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	0-63 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	INT LOOP 0 ≤ value ≤ 18			
CH4/PARAMETER #1	DIM LOW			
CH5/PARAMETER #2	G/M			
CH6/PARAMETER #3	SPEED			
CH7/PARAMETER #4	CYCLE: ONE WAY = 0-85(0%-33%) CYCLE: TWO WAY = 86-170(34%-66%) CYCLE: REVERSE = 171-255(67%-100%)			
CH8/PARAMETER #5	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%)
CH9/PARAMETER #6	N/A	INTERVALS	SPEED	PULSES/MIN
CH10/PARAMETER #7	N/A	FLASH RATIO	N/A	N/A

## DMX EFFECT CHART

EFFECT	FLASH 19 ≤ value ≤ 36	
CH4/PARAMETER #1	G/M	
CH5/PARAMETER #2	INTERVALS	
CH6/PARAMETER #3	FLASH RATIO	
CH7/PARAMETER #4	PAUSE: OFF = 0-127(0%-50%)	PAUSE: ON = 128-255(51%-100%)
CH8/PARAMETER #5	N/A	
CH9/PARAMETER #6	N/A	
CH10/PARAMETER #7	N/A	

## DMX EFFECT CHART

EFFECT	PULSE 37 ≤ value ≤ 54
CH4/PARAMETER #1	G/M
CH5/PARAMETER #2	PULSES/MIN
CH6/PARAMETER #3	N/A
CH7/PARAMETER #4	N/A
CH8/PARAMETER #5	N/A
CH9/PARAMETER #6	N/A
CH10/PARAMETER #7	N/A

## DMX EFFECT CHART

EFFECT	STORM 55 ≤ value ≤ 72	
CH4/PARAMETER #1	FLASH TIMES HIGH	
CH5/PARAMETER #2	FLASH TIMES LOW	
CH6/PARAMETER #3	TRIGGER: AUTO = 0-127(0%-50%)	TRIGGER: MANUAL = 128-255(51%-100%)
CH7/PARAMETER #4	INTERVAL HIGH	Trigger: OFF = 0-127(0%-50%) Trigger: ON = 128-255(51%-100%)
CH8/PARAMETER #5	INTERVAL LOW	N/A
CH9/PARAMETER #6	PAUSE: OFF = 0-127(0%-50%) PAUSE: ON = 128-255(51%-100%)	N/A
CH10/PARAMETER #7	N/A	

## DMX EFFECT CHART

EFFECT	TV 73 ≤ value ≤ 90
CH4/PARAMETER #1	DIM LOW
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

## DMX EFFECT CHART

EFFECT	PAPARAZZI 91 ≤ value ≤ 108
CH4/PARAMETER #1	G/M
CH5/PARAMETER #2	SPEED
CH6/PARAMETER #3	N/A
CH7/PARAMETER #4	N/A
CH8/PARAMETER #5	N/A
CH9/PARAMETER #6	N/A
CH10/PARAMETER #7	N/A

## DMX EFFECT CHART

EFFECT	CANDLE/FIRE 109 ≤ value ≤ 126
CH4/PARAMETER #1	DIM LOW
CH5/PARAMETER #2	G/M
CH6/PARAMETER #3	SPEED
CH7/PARAMETER #4	FLICKER: OFF = 0-127(0%-50%) FLICKER: ON = 128-255(51%-100%)
CH8/PARAMETER #5	N/A
CH9/PARAMETER #6	N/A
CH10/PARAMETER #7	N/A



## DMX EFFECT CHART

EFFECT	BAD BULB 127 ≤ value ≤ 144
CH4/PARAMETER #1	G/M
CH5/PARAMETER #2	INTENSITY
CH6/PARAMETER #3	SPEED
CH7/PARAMETER #4	N/A
CH8/PARAMETER #5	N/A
CH9/PARAMETER #6	N/A
CH10/PARAMETER #7	N/A

## DMX EFFECT CHART

EFFECT	FIREWORK 145 ≤ value ≤ 162
CH4/PARAMETER #1	G/M
CH5/PARAMETER #2	SPEED
CH6/PARAMETER #3	DECAY
CH7/PARAMETER #4	N/A
CH8/PARAMETER #5	N/A
CH9/PARAMETER #6	N/A
CH10/PARAMETER #7	N/A

## DMX EFFECT CHART

EFFECT	EXPLOSION 163 ≤ value ≤ 180	
CH4/PARAMETER #1	G/M	
CH5/PARAMETER #2	DECAY	
CH6/PARAMETER #3	TRIGGER: AUTO = 0-127(0%-50%)	TRIGGER: MANUAL = 128-255(51%-100%)
CH7/PARAMETER #4	SPEED	Trigger: OFF = 0-127(0%-50%) Trigger: ON = 128-255(51%-100%)
CH8/PARAMETER #5	N/A	
CH9/PARAMETER #6	N/A	
CH10/PARAMETER #7	N/A	

## DMX EFFECT CHART

EFFECT	WELDING 181 ≤ value ≤ 198	
CH4/PARAMETER #1	DIM LOW	
CH5/PARAMETER #2	G/M	
CH6/PARAMETER #3	SPEED	
CH7/PARAMETER #4	PAUSE: OFF = 0-127(0%-50%)	PAUSE: ON = 128-255(51%-100%)
CH8/PARAMETER #5	N/A	
CH9/PARAMETER #6	N/A	
CH10/PARAMETER #7	N/A	

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