



GVM ST200R DMX Channel List Instructions

[Home](#) » [GVM](#) » GVM ST200R DMX Channel List Instructions 

GVM ST200R DMX Channel List



Contents

1 Instructions

1.1 CCT MODE

1.1.1 8 bit

1.2 CCT MODE

1.2.1 16 bit

1.3 HSI MODE

1.3.1 8 bit

1.4 HSI MODE

1.4.1 16 bit

1.5 GEL MODE

1.5.1 8 bit

1.6 GEL MODE

1.6.1 16 bit

1.7 RGB MODE

1.7.1 8 bit

1.8 RGB MODE

1.8.1 16 bit

1.9 Light source matching mode

1.9.1 8 bit

1.10 Light source matching mode

1.10.1 16 bit

1.11 White light effect mode

1.11.1 8 bit

1.12 White light effect mode

1.12.1 16 bit

1.13 Color light effect mode

1.13.1 8 bit

1.14 Color light effect mode

1.14.1 16 bit

2 Documents / Resources

3 Related Posts

Instructions

CCT MODE			
8 bit			
Channel	Value	Function	Remark
Start Channel	0-255	Turn Intensity(0%-100%)	Intensity

Start Channel+1	0-255	CCT(2700K-7500K)	Color temperature
Start Channel+2	0-255		Reserved
Start Channel+3	0-255		Reserved
Start Channel+4	0-35	CCT	Light Mode
	36-71	HSI	
	72-107	GEL	
	108-143	RGB	
	144-179	SOURCEMATCHING	
	180-215	WHITE EFFECTS	
	216-255	COLOR EFFECTS	
Start Channel+5	0-85	Auto	Fan Mode
	86-172	Quiet	
	173-255	High	

CCT MODE				
16 bit				
Channel		Value	Function	Remark
High Byte	Low Byte			
Start Channel	Start Channel+1	0-65535	Turn Intensity(0%-100%)	Intensity
Start Channel+2	Start Channel+3	0-65535	CCT(2700K-7500K)	Color temperature
Start Channel+4		0-255		Reserved
Start Channel+5		0-255		Reserved
Start Channel+6		0-35	CCT	Light Mode
		36-71	HSI	
		72-107	GEL	
		108-143	RGB	
		144-179	SOURCEMATCHING	
		180-215	WHITE EFFECTS	
		216-255	COLOR EFFECTS	
Start Channel+7		0-85	Auto	Fan Mode
		86-172	Quiet	
		173-255	High	

HSI MODE			
8 bit			
Channel	Value	Function	Remark

Start Channel	0-255	Turn Intensity(0%-100%)	Intensity
Start Channel+1	0-255	HUE(0-360°)	Hue
Start Channel+2	0-255	Saturation(0%-100%)	Saturation
Start Channel+3	0-255		Reserved
Start Channel+4	0-35	CCT	Light Mode
	36-71	HSI	
	72-107	GEL	
	108-143	RGB	
	144-179	SOURCEMATCHING	
	180-215	WHITE EFFECTS	
	216-255	COLOR EFFECTS	
Start Channel+5	0-85	Auto	Fan Mode
	86-172	Quiet	
	173-255	High	

HSI MODE				
16 bit				
Channel		Value	Function	Remark
High Byte	Low Byte			
Start Channel	Start Channel+1	0-65535	Turn Intensity(0%-100%)	Intensity
Start Channel+2	Start Channel+3	0-65535	HUE(0-360°)	Hue
Start Channel+4	Start Channel+5	0-65535	Saturation(0%-100%)	Saturation
Start Channel+6		0-35	CCT HSI GEL RGB SOURCEMATCHING WHITE EFFECTS COLOR EFFECTS	Light Mode
		36-71		
		72-107		
		108-143		
		144-179		
		180-215		
		216-255		
Start Channel+7		0-85	Auto	Fan Mode
		86-172	Quiet	
		173-255	High	

GEL MODE			
8 bit			
Channel	Value	Function	Remark

Start Channel	0-255	Turn Intensity(0%-100%)	Intensity
Start Channel+1	0-126 127-255	LEE ROSCO	Color paper type
	0-7	“L002 Rose Pink”,//	
	8-15	“L007 Pale Yellow”,//	
	16-23	“L019 Fire”,//	
	24-31	“L021 Gold Amber”,//	
	32-39	“L025 Sunset Red”,//	
	40-47	“L026 Bright Red”,//	
	48-55	“L036 Medium pink”,//	
	56-63	“L046 Dark Magenta”,//	
	64-71	“L058 Lavender”,//	
	72-79	“L079 Just Blue”,//	
	80-87	“L089 Moss Green”,//	
	88-95	“L102 Light Amber”,//	
	96-103	“L113 Magenta”,//	

Start Channel+2

104-111	“L120 Deep Blue”,//
112-119 120-127	“L124 Dark Green”,// “L128 Bright Pink”,//
128-135 136-143	“L131 Marine Blue”,//131 “L140 Summer Blue”,//
144-151	“L143 Pale Navy Blue”,//
152-159	“L201 Full CTB”,//
160-167	“L202 1/2 CTB”,//
168-175	“L203 1/4 CTB”,//
176-183	“L204 Full CTO”,//
184-191	“L205 1/2 CTO”,//
192-199	“L206 1/4 CTO”,//
200-207	“L701 Provence”,//
208-215	“L723 Virgin Blue”,//
216-223	“L738 JAS Green”,//
224-231	“L748 Seedy Pink”,//

LEE Color paper
number

232-255	“L795 Magical Magenta”,//	ROSCO Color paper number
0-7	“R23 Orange”,	
8-15	“R26 Light Red”,	
16-23	“R41 Salmon”,	
24-31	“R42 Deep Salmon”,//	
32-39	“R44 Middle Rose”,//	
40-47	“R47 Light Rose Purple”,// “R65 D	
48-55	aylight Blue”,//	
56-63	“R83 Medium Blue”,//	
64-71	“R89 Moss Green”,//	
72-79	“R92 Turquoise”,//	
80-87	“R99 Chocolate”,//	
88-95	“R310 Daffodil”,//	
96-103	“R318 Mayan Sun”,//	
104-111	“R325 Henna Sky”,//	
112-119	“R333 Blush Pink”,//	
120-127	“R364 Blue Bell”,//	

	128-135	“R375 Cerulean Blue”,//	
	136-143	“R378 Alice Blue”,//	
Start Channel+2	144-151	“R2001 VS Red”,//	ROSCO Color paper number
	152-159	“R2002 VS Orange”,//	
	160-167	“R2003 VS Yellow”,//	
	168-175	“R2004 VS Green”,//	
	176-183 184-191 192-199 200-207	“R2007 VS Blue”,// “R3220 Double Blue”,// “R4490 90 Green” ,// “R4590 90 Yellow”,//	
	208-215	“R4690 90 Red”,//	
	216-223	“R4790 90 Magenta”,//	
	224-231	“R4890 90 Pink”,//	
	232-255	“R4990 90 Lavender”,//	
Start Channel+3		Reserved	
	0-35	CCT	
	36-71	HSI	

Start Channel+4	72-107	GEL RGB SOURCEMATCHING	
	108-143		
	144-179		
	180-215	WHITE EFFECTS	
	216-255	COLOR EFFECTS	
Start Channel+5	0-85 86-172 173-255	Auto Quiet High	Fan Mode

GEL MODE				
16 bit				
Channel		Value	Function	Remark
High Byte	Low Byte			
Start Channel	Start Channel +1	0-255	Turn Intensity(0%-100%)	Intensity
Start Channel+2		0-126 127-255	LEE ROSCO	Color paper type
		0-7	“L002 Rose Pink”,//	

8-15	"L007 Pale Yellow",//
16-23	"L019 Fire",//
24-31	"L021 Gold Amber",//
32-39	"L025 Sunset Red",//
40-47	"L026 Bright Red",//
48-55	"L036 Medium pink",//
56-63	"L046 Dark Magenta",//
64-71	"L058 Lavender",//
72-79	"L079 Just Blue",//
80-87	"L089 Moss Green",//
88-95	"L102 Light Amber",//
96-103	"L113 Magenta",//
104-111	"L120 Deep Blue",//
112-119	"L124 Dark Green",//
120-127	"L128 Bright Pink",//

LEE Color paper
number

Start Channel+3

128-135 136-143	"L131 Marine Blue",//131 "L140 Summer Blue",//
144-151	"L143 Pale Navy Blue",//
152-159	"L201 Full CTB",//
160-167	"L202 1/2 CTB",//
168-175	"L203 1/4 CTB",//
176-183	"L204 Full CTO",//
184-191	"L205 1/2 CTO",//
192-199	"L206 1/4 CTO",//
200-207	"L701 Provence",//
208-215	"L723 Virgin Blue",//
216-223	"L738 JAS Green",//
224-231	"L748 Seedy Pink",//
232-255	"L795 Magical Magenta",//
0-7	"R23 Orange",
8-15	"R26 Light Red",

16-23	"R41 Salmon",
24-31	"R42 Deep Salmon",//
32-39 40-47 48-55	"R44 Middle Rose",// "R47 Light Rose Purple",// "R65 Daylight Blue",//
56-63	"R83 Medium Blue",//
64-71	"R89 Moss Green",//
72-79	"R92 Turquoise",//
80-87	"R99 Chocolate",//
88-95	"R310 Daffodil",//
96-103	"R318 Mayan Sun",//
104-111	"R325 Henna Sky",//
112-119	"R333 Blush Pink",//
120-127	"R364 Blue Bell",//
128-135	"R375 Cerulean Blue",//
136-143	"R378 Alice Blue",//

ROSCO Color paper number

Start Channel+3		152-159	“R2002 VS Orange”,//	ROSCO Color paper number
		160-167	“R2003 VS Yellow”,//	
		168-175	“R2004 VS Green”,//	
		176-183 184-191 192-199 200-207	“R2007 VS Blue”,// “R3220 Double Blue”,// “R4490 90 Green”,// “R4590 90 Yellow”,//	
		208-215	“R4690 90 Red”,//	
		216-223	“R4790 90 Magenta”,//	
		224-231	“R4890 90 Pink”,//	
		232-255	“R4990 90 Lavender”,//	
Start Channel+4	Start Channel+5		Reserved	
Start Channel+6		0-35	CCT	
		36-71	HSI	
		72-107 108-143 144-179	GEL RGB SOURCEMATCHING	
		180-215	WHITE EFFECTS	

	216-255	COLOR EFFECTS	
Start Channel+7	0-85 86-172 173-255	Auto Quiet High	Fan Mode

RGB MODE			
8 bit			
Channel	Value	Function	Remark
Start Channel	0-255	Turn Intensity(0%-100%)	Intensity
Start Channel+1	0-255	Red Intensity	Red Intensity
Start Channel+2	0-255	Green Intensity	Green Intensity
Start Channel+3	0-255	Blue Intensity	Blue Intensity

Start Channel+4	0-35	CCT HSI GEL RGB SOURCEMATCHING WHITE EFFECTS COLOR EFFECTS	Light Mode
	36-71		
	72-107		
	108-143		
	144-179		
	180-215		
	216-255		
Start Channel+5	0-85	Auto Quiet High	Fan Mode
	86-172		
	173-255		

RGB MODE				
16 bit				
Channel		Value	Function	Remark
High Byte	Low Byte			
Start Channel	Start Channel+1	0-65535	Turn Intensity(0%-100%)	Intensity
Start Channel+2	Start Channel+3	0-65535	Red Intensity	Red Intensity
Start Channel+4	Start Channel+5	0-65535	Green Intensity	Green Intensity

Start Channel+6		0-35	CCT HSI GEL RGB SOURCEMATCHING WHITE EFFECTS COLOR EFFECTS	Light Mode
		36-71		
		72-107		
		108-143		
		144-179		
		180-215		
		216-255		
Start Channel+7		0-85	Auto Quiet High	Fan Mode
		86-172		
		173-255		
Start Channel+8	Start Channel+9	0-65535	Blue Intensity	Blue Intensity

Light source matching mode			
8 bit			
Channel	Value	Function	Remark

Start Channel	0-255	Turn Intensity(0%-100%)	Intensity
Start Channel+1	0-20 21-40 41-60 61-80 81-100 101-120 121-140 141-160 161-180 181-200 201-220 221-255	Tungsten, HMI5600, HMI6000, StudioLamps, SodiumLamp, Halogen, ArcLamp, Candle, Sunset/Sunrise, Da ylight, OvercastSky, CFL Cool White,	type of light source
Start Channel+2	0-255		Reserved
Start Channel+3	0-255		Reserved
Start Channel+4	0-35 36-71 72-107 108-143 144-179 180-215 216-255	CCT HSI GEL RGB SOURCEMATCHING WHITE EFFECTS COLOR EFFECTS	Light Mode

Start Channel+5	0-85 86-172 173-255	Auto Quiet High	Fan Mode
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Light source matching mode				
16 bit				
Channel		Value	Function	Remark
High Byte	Low Byte			
Start Channel	Start Channel+1	0-65535	Turn Intensity(0%-100%)	Intensity

Start Channel+2		0-20	Tungsten, HMI5600, HMI6000 , StudioLamps, SodiumLamp, Halogen, ArcLamp, Candle, S unset/Sunrise, Daylight, Over castSky, CFL Cool White,	type of light source
		21-40		
		41-60		
		61-80		
		81-100		
		101-120		
		121-140		
		141-160		
		161-180		
		181-200		
		201-220		
		221-255		
Start Channel+3	Start Channel+4	0-65535		Reserved
Start Channel+5		0-255		Reserved

Start Channel+6	0-35 36-71 72-107 108-143 144-179 180-215 216-255	CCT HSI GEL RGB SOURCEMATCHING WHITE EFFECTS COLOR EF FECTS	Light Mode
Start Channel+7	0-85 86-172 173-255	Auto Quiet High	Fan Mode

White light effect mode			
8 bit			
Channel	Value	Function	Remark

Start Channel	0-255	Turn Intensity(0%-100%)	Intensity
Start Channel+1	0-25	OFF”,	White light effect type
	26-50	“Lightning”,	
	51-75	“CCT Loop”,	
	76-100 101-125 126-150	“Candle”, “Bad Bulb”, “TV”,	
	151-175	“Paparazzi”,	
	176-200	“Explosion”	
	201-255	“Pulsing”	
Start Channel+2	0-255	CCT(2700K-7500K)	Color temperature

Start Channel+3	0-25 26-50 51-75 76-100 101-125 126-150 151-175 176-200 201-225 226-255	Rate1 Rate2 Rate3 Rate4 Rate5 Rate6 Rate7 Rate8 Rate9 Rate10	Rate
Start Channel+4	0-35 36-71 72-107 108-143 144-179 180-215 216-255	CCT HSI GEL RGB SOURCEMATCHING WHITE EFFECTS COLOR EFFECTS	Light Mode
Start Channel+5	0-85 86-172 173-255	Auto Quiet High	Fan Mode

White light effect mode

16 bit				
Channel		Value	Function	Remark
High Byte	Low Byte			
Start Channel	Start Channel+1	0-65535	Turn Intensity(0%-100%)	Intensity
Start Channel+2		0-25	OFF”,	White light effect type
		26-50	“Lightning”,	
		51-75	“CCT Loop”,	
		76-100 101-125 126-150	“Candle”, “Bad Bulb”, “TV”,	
		151-175	“Paparazzi”,	
		176-200	“Explosion”	
		201-255	“Pulsing”	

Start Channel+3	Start Channel+4	0-65535	CCT(2700K 7500K)	Color temperature
Start Channel+5		0-25 26-50 51-75 76-100 101-125 126-150 151-175 176-200 201-225 226-255	Rate1 Rate2 Rate3 Rate4 Rate5 Rate6 Rate7 Rate8 Rate9 Rate10	Rate
Start Channel+6		0-35 36-71 72-107 108-143 144-179 180-215 216-255	CCT HSI GEL RGB SOURCEMATCHING WHITE EFFECTS COLOR EFFECTS	Light Mode
Start Channel+7		0-85 86-172 173-255	Auto Quiet High	Fan Mode

Color light effect mode

8 bit

Channel

Value

Function

Remark

Start Channel

0-255

Turn Intensity(0%-100%)

Intensity

Start Channel+1

0-50
51-100
101-150
151-200
201-255

“OFF”,
“Disco”,
“Cop Car”,
“Party”, “Hue Loop”,

Color light effect type

Start Channel+2

0-255

Reserved

Start Channel+3

0-255

Saturation(0% 100%)

Saturation

Start Channel+4	0-35	CCT HSI GEL RGB SOURCEMATCHING WHITE EFFECTS COLOR EFFECTS	Light Mode
	36-71		
	72-107		
	108-143		
	144-179		
	180-215		
	216-255		
Start Channel+5	0-85	Auto Quiet High	Fan Mode
	86-172		
	173-255		
Start Channel+6	0-25	Rate1 Rate2 Rate3 Rate4 Rate5 Rate6 Rate7 Rate8 Rate9 Rate10	Rate
	26-50		
	51-75		
	76-100		
	101-125		
	126-150		
	151-175		
	176-200		
	201-225		
	226-255		

Color light effect mode

16 bit

Channel

Value

Function

Remark

High Byte

Low Byte

Start Channel

Start Channel+1

0-65535

Turn Intensity(0%-100%)

Intensity

Start Channel+2

0-50

51-100

101-150

151-200

201-255

“OFF”,

“Disco”,

“Cop Car”,

“Party”, “Hue Loop”,

Color light effect type

Start Channel+3	Start Channel+4	0-65535	Saturation(0%-100%)	Saturation
Start Channel+5		0-255		Reserved
Start Channel+6		0-35 36-71 72-107 108-143 144-179 180-215 216-255	CCT HSI GEL RGB SOURCEMATCHING WHITE EFFECTS COLOR EF FECTS	Light Mode
Start Channel+7		0-85 86-172 173-255	Auto Quiet High	Fan Mode

Start Channel+8	0-25	Rate1 Rate2 Rate3 Rate4 Rate5 Rate6 Rate7 Rate8 Rate9 Rate10	Rate
	26-50		
	51-75		
	76-100		
	101-125		
	126-150		
	151-175		
	176-200		
	201-225		
	226-255		



Documents / Resources

	GVM ST200R DMX Channel List [pdf] Instructions ST200R DMX Channel List, ST200R, DMX Channel List
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