



ALTMAN

L I G H T I N G



HYDRA SERIES - AIP-200
IP65 LED LUMINAIRE
DMX MAP

HYDRA
SERIES

HYDRA_SERIES_AIP200_DMXPAP_202105015

DMX MAP

DMX Control Modes

RGBL 16 Bit Direct Mode

DMX CHANNEL	CHANNEL DESCRIPTION	DMX RANGE	FUNCTION
1	Intensity - High Byte	0-65535	Control of Intensity Channel
2	Intensity - Low Byte		
3	Red - High Byte	0-65535	Control of Red LEDs
4	Red - Low Byte		
5	Green - High Byte	0-65535	Control of Green LEDs
6	Green - Low Byte		
7	Blue - High Byte	0-65535	Control of Blue LEDs
8	Blue - Low Byte		
9	Lime - High Byte	0-65535	Control of Lime LEDs
10	Lime - Low Byte		
11	Zoom	0-255	When in Spot Mode: 6.5°-32° When in Wash Mode: 8°-50°
12	Preset / Color Filters	0-255	See Page 7 for more details
13	Strobe	0-255	See Page 8 for more details
14	Duration	0-255	
15	Control	0-255	See Page 8 for more details

RGBL 8 Bit Direct Mode

DMX CHANNEL	CHANNEL DESCRIPTION	DMX RANGE	FUNCTION
1	Intensity	0-255	Control of Intensity Channel
2	Red	0-255	Control of Red LEDs
3	Green	0-255	Control of Green LEDs
4	Blue	0-255	Control of Blue LEDs
5	Lime	0-255	Control of Lime LEDs
6	Zoom	0-255	When in Spot Mode: 6.5°-32° When in Wash Mode: 8°-50°
7	Preset / Color Filters	0-255	See Page 7 for more details
8	Strobe	0-255	See Page 8 for more details
9	Duration	0-255	
10	Control	0-255	See Page 8 for more details

HSIC Mode

DMX CHANNEL	CHANNEL DESCRIPTION	DMX RANGE	FUNCTION
1	Intensity	0-255	Control of Intensity Channel
2	Hue - High Byte	0-65535	Control of Red LEDs
3	Hue - Low Byte		
4	Saturation	0-255	Control of Green LEDs
5	CCT	0-255	2700K - 6500K
6	Zoom	0-255	When in Spot Mode: 6.5°-32° When in Wash Mode: 8°-50°
7	Preset / Color Filters	0-255	See Page 7 for more details
8	Strobe	0-255	See Page 8 for more details
9	Duration	0-255	
10	Control	0-255	See Page 8 for more details

CMY 16-bit Mode

DMX CHANNEL	CHANNEL DESCRIPTION	DMX RANGE	FUNCTION
1	Intensity - High Byte	0-65535	Control of Intensity Channel
2	Intensity - Low Byte		
3	Cyan - High Byte	0-65535	Control of Red LEDs
4	Cyan - Low Byte		
5	Magenta - High Byte	0-65535	Control of Green LEDs
6	Magenta - Low Byte		
7	Yellow - High Byte	0-65535	Control of Blue LEDs
8	Yellow - Low Byte		
9	Zoom	0-255	When in Spot Mode: 6.5°-32° When in Wash Mode: 8°-50°
10	Preset / Color Filters	0-255	See Page 7 for more details
11	Strobe	0-255	See Page 8 for more details
12	Duration	0-255	
13	Control	0-255	See Page 8 for more details

CMY 8 Bit Mode

DMX CHANNEL	CHANNEL DESCRIPTION	DMX RANGE	FUNCTION
1	Intensity	0-255	Control of Intensity Channel
2	Cyan	0-255	Control of Red LEDs
3	Magenta	0-255	Control of Green LEDs
4	Yellow	0-255	Control of Blue LEDs
5	Zoom	0-255	When in Spot Mode: 6.5°-32° When in Wash Mode: 8°-50°
6	Preset / Color Filters	0-255	See Page 7 for more details
7	Strobe	0-255	See Page 8 for more details
8	Duration	0-255	
9	Control	0-255	See Page 8 for more details

RGB Mode

DMX CHANNEL	CHANNEL DESCRIPTION	DMX RANGE	FUNCTION
1	Intensity	0-255	Control of Intensity Channel
2	Red	0-255	Control of Red LEDs
3	Green	0-255	Control of Green LEDs
4	Blue	0-255	Control of Blue LEDs
5	Control	0-255	See Page 8 for more details

Compact Mode

DMX CHANNEL	CHANNEL DESCRIPTION	DMX RANGE	FUNCTION
1	Intensity	0-255	Control of Intensity Channel
2	Red	0-255	Control of Re LEDs
3	Green	0-255	Control of Green LEDs
4	Blue	0-255	Control of Blue LEDs
5	Lime	0-255	Control of Lime LEDs
6	Strobe	0-255	See Page 8 for more details

Compact Zoom Mode

DMX CHANNEL	CHANNEL DESCRIPTION	DMX RANGE	FUNCTION
1	Intensity	0-255	Control of Intensity Channel
2	Red	0-255	Control of Re LEDs
3	Green	0-255	Control of Green LEDs
4	Blue	0-255	Control of Blue LEDs
5	Lime	0-255	Control of Lime LEDs
6	Zoom	0-255	When in Spot Mode: 6.5°-32° When in Wash Mode: 8°-50°
7	Strobe	0-255	See Page 8 for more details

Preset / Color Filters

CHANNEL DESCRIPTION	FUNCTION
	Channel OFF (disabled) = DMX 0-4
	Preset_1 = DMX 5-7
	Preset_2 = DMX 8-10
	Preset_3 = DMX 11-13
	Preset_4 = DMX 14-16
	Preset_5 = DMX 17-19
	Preset_6 = DMX 20-22
	Preset_7 = DMX 23-25
	Preset_8 = DMX 26-28
	Preset_9 = DMX 29-31
	Preset_10 = DMX 32-34
	Preset_11 = DMX 35-37
	Preset_12 = DMX 38-40
	Preset_13 = DMX 41-43
	Preset_14 = DMX 44-46
	Preset_15 = DMX 47-49
	Preset_16 = DMX 50-52
	Preset_17 = DMX 53-55
	Preset_18 = DMX 56-58
	Preset_19 = DMX 59-61
	Preset_20 = DMX 62-64
	CF_0_OFF = DMX 65-67
	CF_1_10000K = DMX 68-70
	CF_2_8000K = DMX 71-73
	CF_3_6500K = DMX 74-76
	CF_4_5600K = DMX 77-79
	CF_5_5000K = DMX 80-82
	CF_6_4500K = DMX 83-85
	CF_7_4000K = DMX 86-88
	CF_8_3200K = DMX 89-91
	CF_9_3000K = DMX 92-94
	CF_10_2700K = DMX 95-97
	CF_11_Moroccan Pink = DMX 98-100
	CF_12_Pink = DMX 101-103
	CF_13_Special Rose Pink = DMX 104-106
	CF_14_Follies Pink = DMX 107-109
	CF_15_Fuchsia Pink = DMX 110-112
	CF_16_Surprise Pink = DMX 113-115
	CF_17_Congo Blue = DMX 116-118
	CF_18_Deep Blue = DMX 119-121
	CF_19_Just Blue = DMX 122-124
	CF_20_Medium Blue = DMX 125-127
	CF_21_Double C.T Blue = DMX 128-130
	CF_22_Slate Blue = DMX 131-133
	CF_23_Regal Blue = DMX 134-136
	CF_24_Fullt C.T Blue = DMX 137-139
	CF_25_Half C.T Blue = DMX 140-142
	CF_26_Steel Blue = DMX 143-145
	CF_27_Lighter Blue = DMX 146-148
	CF_28_Light Blue = DMX 149-151
	CF_29_Medium Blue- Green = DMX 152-154
	CF_30_Dark Green = DMX 155-157
	CF_31_Primary Green = DMX 158-160
	CF_32_Moss Green = DMX 161-163
	CF_33_Fem Green = DMX 164-166
	CF_34_JAS Green = DMX 167-169
	CF_35_Lime Green = DMX 170-172
	CF_36_Spring Yellow = DMX 173-175
	CF_37_Deep Amber = DMX 176-178
	CF_38_Chrome Orange = DMX 179-181
	CF_39_Orange = DMX 182-184
	CF_40_Gold Amber = DMX 185-187
	CF_41_Millennium Gold = DMX 188-190
	CF_42_Deep Golden Amber = DMX 191-193
	CF_43_Flame Red = DMX 194-196
	Reserves(Future use) = DMX 197-255

Presets / Color Filters

Strobe

CHANNEL DESCRIPTION	FUNCTION	
Strobe	Open	= DMX 0 - 2
	Closed	= DMX 3 - 5
	Slow Rand(0.4hz)	= DMX 6 - 7
	Med Rand(5hz)	= DMX 8 - 10
	Fast Rand(30hz)	= DMX 11 - 12
	Strobe Range(0.4-30hz)	= DMX 13 - 127 (fastest)
	Pulse - Slow Rand(0.4hz)	= DMX 128 - 129
	Pulse + Med Rand(5hz)	= DMX 130 - 131
	Pulse + Fast Rand(30hz)	= DMX 132 - 133
	Pulse + Range(0.4-30hz)	= DMX 134 - 191
	Pulse - Slow Rand(0.4hz)	= DMX 192 - 193
	Pulse - Med Rand(5hz)	= DMX 194 - 195
	Pulse - Fast Rand(30hz)	= DMX 196 - 197
	Pulse - Range(0.4-30hz)	= DMX 198 - 255

Control

CHANNEL DESCRIPTION	FUNCTION	
Control	Default Setting on Console	= DMX 0
	Display On/Off	= DMX 3 - 5
	Reserved	= DMX 6 - 23
	Spot Mode	= DMX 24 - 26
	Wash Mode	= DMX 27 - 29
	Zoom Control by DMX	= DMX 30 - 32
	Zoom VNSP	= DMX 33 - 35
	Zoom NSP	= DMX 36 - 38
	Zoom MFL	= DMX 39 - 41
	Zoom WFL	= DMX 42 - 44
	Zoom XWFL	= DMX 45 - 47
	Preset 1 Store	= DMX 48 - 50
	Preset 2 Store	= DMX 51 - 53
	Preset 3 Store	= DMX 54 - 56
	Preset 4 Store	= DMX 57 - 59
	Preset 5 Store	= DMX 60 - 62
	Preset 6 Store	= DMX 63 - 65
	Preset 7 Store	= DMX 66 - 68
	Preset 8 Store	= DMX 69 - 71
	Preset 9 Store	= DMX 72 - 74
	Preset 10 Store	= DMX 75 - 77
	Preset 11 Store	= DMX 78 - 80
	Preset 12 Store	= DMX 81 - 83
	Preset 13 Store	= DMX 84 - 86
	Preset 14 Store	= DMX 87 - 89
	Preset 15 Store	= DMX 90 - 92
	Preset 16 Store	= DMX 93 - 95
	Preset 17 Store	= DMX 96 - 98
	Preset 18 Store	= DMX 99 - 101
	Preset 19 Store	= DMX 102 - 104
	Preset 20 Store	= DMX 105 - 107
	Erase all user presets	= DMX 108 - 110
	Reserved	= DMX 111 - 149
	Frequency 600 hz	= DMX 150 - 152
	Frequency 1.2K hz	= DMX 153 - 155
	Frequency 2.4K hz	= DMX 156 - 158
	Frequency 4.8K hz	= DMX 159 - 161
	Frequency 9.6K hz	= DMX 162 - 164
	Frequency 16K hz	= DMX 165 - 167
	Frequency 20K hz	= DMX 168 - 170
	Frequency 25K hz	= DMX 171 - 173
	Curves_Linear	= DMX 174 - 176
	Curves_Incandescent	= DMX 177 - 179
	Curves_Standard	= DMX 180 - 182
	TungstenSIM_Off	= DMX 183 - 185
	TungstenSIM_750W	= DMX 186 - 188
	TungstenSIM_1000W	= DMX 189 - 191
	TungstenSIM_1200W	= DMX 192 - 194
	TungstenSIM_2000W	= DMX 195 - 197
	TungstenSIM_2500W	= DMX 198 - 200
	Color Cal._Off	= DMX 201 - 203
	Color Cal._On	= DMX 204 - 206
	Strobe Enabled	= DMX 207 - 209
	Strobe Disabled	= DMX 210 - 212
	Reserved	= DMX 213 - 249
	Fixture Reset*	= DMX 250 - 252
	Reserved Future Use	= DMX 253 - 255