

11. DMX TRAITS

DMX Operation Notes:

The fixture will function in DMX mode whenever the unit is receiving a DMX signal. Please note that this will override all manual settings.

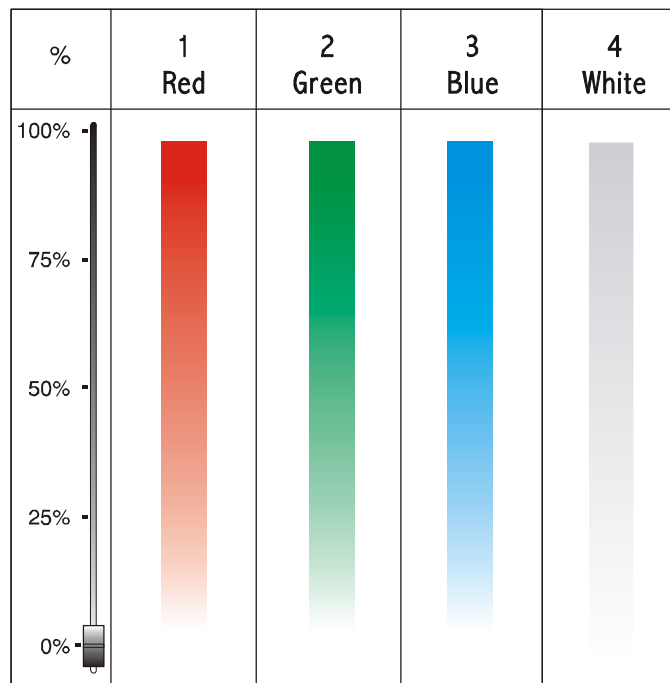
This unit will keep and retain the last DMX command in the event of DMX signal failure. To reset the fixture you must turn the power off.

DMX CHANNEL TRAITS

The charts below and on the preceding pages outline the different DMX traits for the three different DMX modes.

4-Channel mode: In this mode channel one controls all the red LEDs, channel two controls all the green LEDs, channels three controls all the blue LEDs, and channel four controls all the white LEDs.

4 Channel mode :



DMX channel's functions and their values (4-Channel Mode):**Channel 1 - Red:**

0-255 Red (0-Black, 255 - 100% Red)

Channel 2 - Green:

0-255 Green (0-Black, 255 - 100% Green)

Channel 3 - Blue:

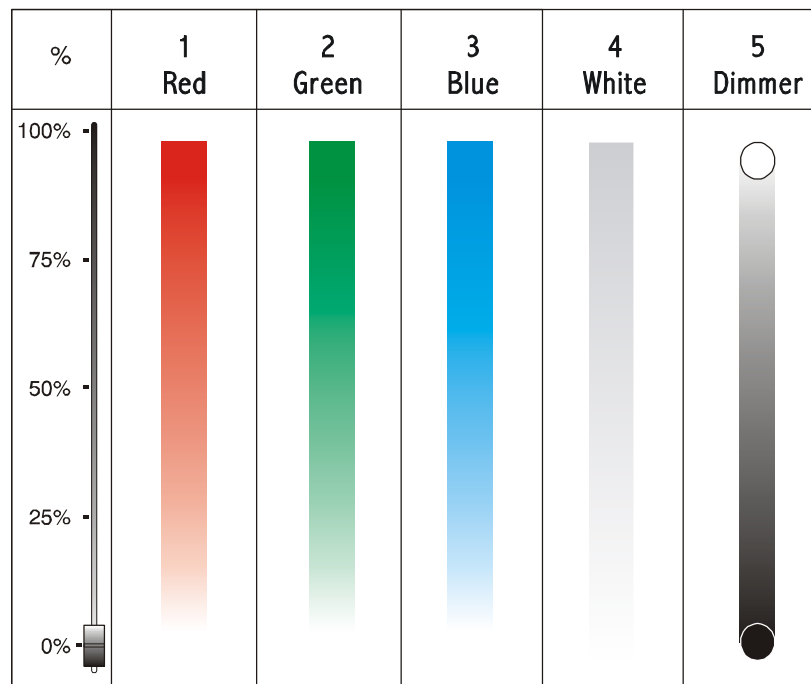
0-255 Blue (0-Black, 255 - 100% Blue)

Channel 4 - White:

0-255 White (0-Black, 255 - 100% White)

5-Channel mode: In this mode channel one controls all the red LEDs, channel two controls all the green LEDs, channels three controls all the blue LEDs, channels four controls all the white LEDs, and channel five will control the master dimming level.

5 Channel mode :



DMX channel's functions and their values (5-Channel Mode):

Channel 1 - Red:

0-255 Red (0-Black, 255 - 100% Red)

Channel 2 - Green:

0-255 Green (0-Black, 255 - 100% Green)

Channel 3 - Blue:

0-255 Blue (0-Black, 255 - 100% Blue)

Channel 4 - White:

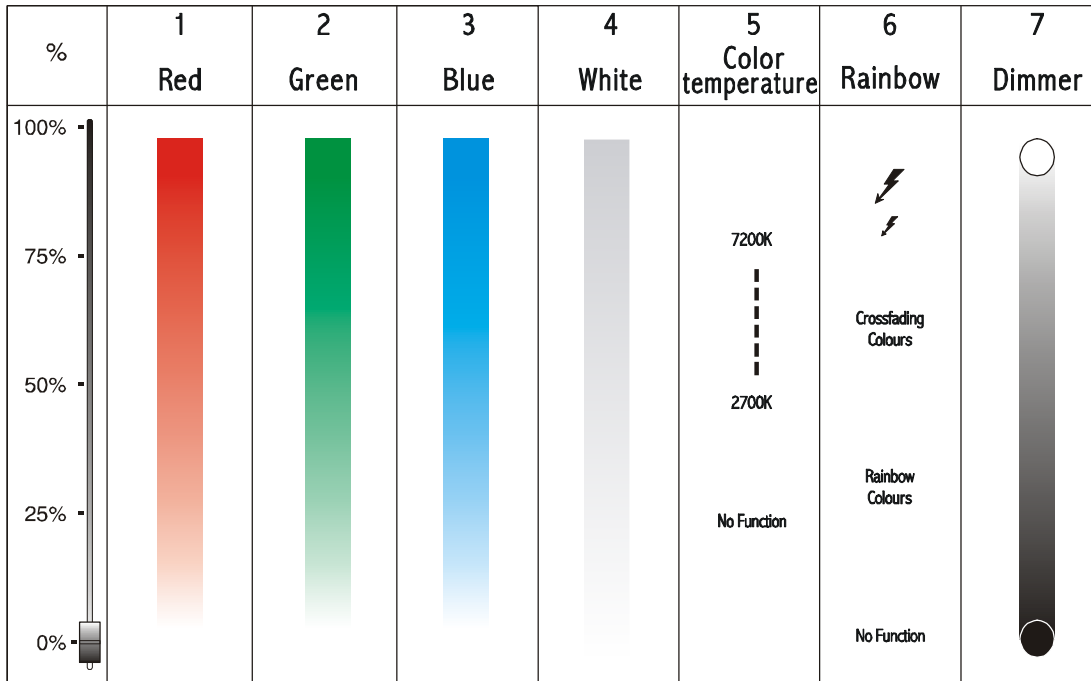
0-255 White (0-Black, 255 - 100% White)

Channel 5 - General dimming

0-255 Dimming (0-Black, 255- 100%)

7-Channel mode: In this mode channels 1~4 are used to control the RGBW LEDs and channels 5~7 will control special features. *7-Channel Mode:* The charts below and on the next page detail the DMX channel layout for 7-channel assignment.

7 Channel mode :



DMX channel's functions and their values (7-Channel Mode):**Channel 1 - Red:**

0-255 Red (0-Black, 255-100% Red)

Channel 2 - Green:

0-255 Green (0-Black, 255- 100% Green)

Channel 3 - Blue:

0-255 Blue (0-Black, 255- 100% Blue)

Channel 4 - White:

0-255 White (0-Black, 255- 100% White)

Channel 5 - Color Temperature:

0 No function

1~255 Color Temperature (2700K-7200K)

Channel 6 - Color macros:

0 No function

1-7 R02 Bastard Amber

8-15 R04 Medium Amber

16-23 R09 Pale Amber Gold

24-31 R316 Gallo Gold

32-39 R21 Golden Amber

40-47 R26 Light Red

48-55 R27 Medium Red

56-63 R36 Medium Pink

64-71 R339 Broadway Pink

72-79 R344 Follies Pink

80-87 R52 Light Lavender

88-95 R54 Special Lavender

96-103 R57 Lavender

104-111 R59 Indigo

112-119 R361 Hemsley Blue

120-127 R362 Tipton Blue

128-135 R64 Light Steel Blue

| | |
|--|--|
| 136-143 | R67 Light Sky Blue |
| 144-151 | R68 Sky Blue |
| 152-159 | R69 Brilliant Blue |
| 160-167 | R76 Light Green Blue |
| 168-175 | R79 Bright Blue |
| 176-183 | R80 Primary Blue |
| 184-191 | R382 Congo Blue |
| 192-199 | R87 Pale Yellow Green |
| 200-207 | R89 Moss Green |
| 208-215 | R91 Primary Green |
| 216-223 | L200 Double CTB |
| 224-231 | L201 Full CTB |
| 232-239 | L202 1/2 CTB |
| 240-247 | L119 Dark Blue |
| 248-255 | White |
| | |
| <u>Channel 7 - General dimming/speed:</u> | |
| 0-255 | Dimming (0-Black, 255- 100%) |
| | Speed from slow to fast - when running internal programs |
| | Speed from slow to fast - when running gradient effect |

9-Channel mode: In this mode channels 1~4 are used to control the RGBW LEDs and channels 5~7 will control special features. *9-Channel Mode:* The charts below and on the next page detail the DMX channel layout for 9-channel assignment.

9 Channel mode :

| % | 1 Red | 2 Green | 3 Blue | 4 White | 5 Color temperature | 6 Rainbow | 7 Auto program | 8 Strobe | 9 Dimmer |
|------|----------|------------|-----------|------------|---------------------------|------------------------|----------------------|-------------|-------------|
| 100% | | | | | 7200K | | Gradient effect | | |
| 75% | | | | | 7200K | | Program 7 | | |
| 50% | | | | | 2700K | Crossfading Colours | Program 6 | | |
| 25% | | | | | 2700K | Rainbow Colours | Program 5 | | |
| 0% | | | | | No Function | No Function | Program 4 | | |
| | | | | | | | Program 3 | | |
| | | | | | | | Program 2 | | |
| | | | | | | | Program 1 | | |
| | | | | | | | No Function | | |

DMX channel's functions and their values (9-Channel Mode):

Channel 1 - Red LED:

0-255 Red (0-Black, 255-100% Red)

Channel 2 - Green LED:

0-255 Green (0-Black, 255-100% Green)

Channel 3 - Blue LED:

0-255 Blue (0-Black, 255-100% Blue)

Channel 4 - White LED:

0-255 White (0-Black, 255-100% White)

Channel 5 - Color Temperature:

0 No function

1-255 Color Temperature (2700K-7200K)

Channel 6 - Color Macros:

0 No function

1-7 R02 Bastard Amber

| | |
|--|--------------------------|
| 8-15 | R04 Medium Amber |
| 16-23 | R09 Pale Amber Gold |
| 24-31 | R316 Gallo Gold |
| 32-39 | R21 Golden Amber |
| 40-47 | R26 Light Red |
| 48-55 | R27 Medium Red |
| 56-63 | R36 Medium Pink |
| 64-71 | R339 Broadway Pink |
| 72-79 | R344 Follies Pink |
| 80-87 | R52 Light Lavender |
| 88-95 | R54 Special Lavender |
| 96-103 | R57 Lavender |
| 104-111 | R59 Indigo |
| 112-119 | R361 Hemsley Blue |
| 120-127 | R362 Tipton Blue |
| 128-135 | R64 Light Steel Blue |
| 136-143 | R67 Light Sky Blue |
| 144-151 | R68 Sky Blue |
| 152-159 | R69 Brilliant Blue |
| 160-167 | R76 Light Green Blue |
| 168-175 | R79 Bright Blue |
| 176-183 | R80 Primary Blue |
| 184-191 | R382 Congo Blue |
| 192-199 | R87 Pale Yellow Green |
| 200-207 | R89 Moss Green |
| 208-215 | R91 Primary Green |
| 216-223 | L200 Double CTB |
| 224-231 | L201 Full CTB |
| 232-239 | L202 1/2 CTB |
| 240-247 | L119 Dark Blue |
| 248-255 | White |
| | |
| <u>Channel 7 - Internal programs:</u> | |
| 0-10 | Without internal program |
| 11-40 | Internal program 1 |
| 41-70 | Internal program 2 |

| | |
|--|--|
| 71-100 | Internal program 3 |
| 101-130 | Internal program 4 |
| 131-160 | Internal program 5 |
| 161-190 | Internal program 6 |
| 191-220 | Internal program 7 |
| 221-255 | Gradient effect |
| <u>Channel 8 - Shutter, strobe:</u> | |
| 0-31 | Blackout (All LEDs Off) |
| 32-63 | Open (LEDs Active) |
| 64-95 | Strobe effect slow to fast |
| 96-127 | Open (LEDs Active) |
| 128-159 | Pulse-effect in sequences |
| 160-191 | Open (LEDs Active) |
| 192-223 | Random strobe effect slow to fast |
| 224-255 | Open (LEDs Active) |
| <u>Channel 9 - General dimming/speed:</u> | |
| 0-255 | Dimming (0-Black, 255- 100%) |
| | Speed from slow to fast - when running internal programs |
| | Speed from slow to fast - when running gradient effect |