

DESIGN LED 60 TRI STRIP - DMX CHANNEL 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

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

CHANNEL 1:Red

CHANNEL 2:Green

CHANNEL 3:Blue

| DMX channel's functions and their values (3-Channel Mode): | |
|--|-----------------------------------|
| | |
| <u>Channel 1 - Red:</u> | |
| 0-255 | Red (0-Black, 255 - 100% Red) |
| | |
| <u>Channel 2 - Green:</u> | |
| 0-255 | Green (0-Black, 255 - 100% Green) |
| | |
| <u>Channel 3 - Blue:</u> | |
| 0-255 | Blue (0-Black, 255 - 100% Blue) |

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4 Channel Mode: This chart details a simple layout of the DMX channel assignment in 4-channel mode.

CHANNEL 1: Red

CHANNEL 2: Green

CHANNEL 3: Blue

CHANNEL 4: Dimming and speed

DMX channel's functions and their values (4 Channel Mode):

| | |
|--|--|
| | |
| <u>Channel 1 - Red:</u> | |
| 0-255 | Red (0-Black, 255-100% Red) |
| | |
| <u>Channel 2 - Green:</u> | |
| 0-255 | Green (0-Black, 255- 100% Green) |
| | |
| <u>Channel 3 - Blue:</u> | |
| 0-255 | Blue (0-Black, 255- 100% Blue) |
| | |
| <u>Channel 4 - General dimming / Program Speed Control</u> | |
| <i>This channel has two functions depending on the operating mode. When running the built-in programs this channel will control the program speed.</i> | |
| 0-255 | Dimming (0%-100%) ~ Normal Operation |
| 0-255 | Speed (min to max) ~ When running built-in programs on channel 4 |

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6-Channel mode: In this mode channels 1~3 are used to control the RGB LEDs and channels 4~6 will control special features. *6-Channel Mode:* The charts below and on the next page detail the DMX channel layout for 6-channel assignment.

| DMX channel's functions and their values (6-Channel Mode): | |
|---|----------------------------------|
| <u>Channel 1 - Red:</u> | |
| 0-255 | Red (0-Black, 255-100% Red) |
| <u>Channel 2 - Green:</u> | |
| 0-255 | Green (0-Black, 255- 100% Green) |
| <u>Channel 3 - Blue:</u> | |
| 0-255 | Blue (0-Black, 255- 100% Blue) |
| <u>Channel 4 - Internal programs:</u> | |
| 0-10 | No function |
| 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 | Internal program 8 |
| <u>Channel 5 - Strobe:</u> | |
| 0 | No function |
| 1~95 | Strobe effect slow to fast |
| 96-127 | No function |
| 128-159 | Pulse effect in sequences |

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| | |
|---|--|
| 160-191 | No function |
| 192-223 | Random strobe effect slow to fast |
| 224-255 | No function |
| | |
| <u>Channel 6 - General dimming / Program Speed Control</u> | |
| <i>This channel has two functions depending on the operating mode. When running the built-in programs this channel will control the program speed, when not running the built-in programs</i> | |
| 0-255 | Dimming (0%-100%) ~ Normal Operation |
| 0-255 | Speed (min to max) ~ When running built-in programs on channel 4 |

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15-Channel mode: In this mode channels 1~12 are used to control the various RGB LEDs and channels 13~15 will control special features.

CHANNEL 1: Red

CHANNEL 2: Green

CHANNEL 3: Blue

CHANNEL 4: Red

CHANNEL 5: Green

CHANNEL 6: Blue

CHANNEL 7: Red

CHANNEL 8: Green

CHANNEL 9: Blue

CHANNEL 10: Red

CHANNEL 11: Green

CHANNEL 12: Blue

CHANNEL 13: Auto Programs (Built-in Programs)

CHANNEL 14: Strobe

CHANNEL 15: Dimmer/Speed

DMX channel's functions and their values (15 Channel Mode):

| DMX channel's functions and their values (15 Channel Mode): | |
|---|----------------------------------|
| | |
| <u>Channel 1 - Red:</u> | |
| 0-255 | Red (0-Black, 255-100% Red) |
| | |
| <u>Channel 2 - Green:</u> | |
| 0-255 | Green (0-Black, 255- 100% Green) |
| | |
| <u>Channel 3 - Blue:</u> | |
| 0-255 | Blue (0-Black, 255- 100% Blue) |
| | |

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Channel 4 - Red:

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

Channel 5 - Green:

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

Channel 6 - Blue:

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

Channel 7 - Red:

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

Channel 8 - Green:

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

Channel 9 - Blue:

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

Channel 10 - Red:

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

Channel 11 - Green:

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

Channel 12 - Blue:

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

Channel 13 - Internal programs:

| | |
|------|-------------|
| 0-10 | No function |
|------|-------------|

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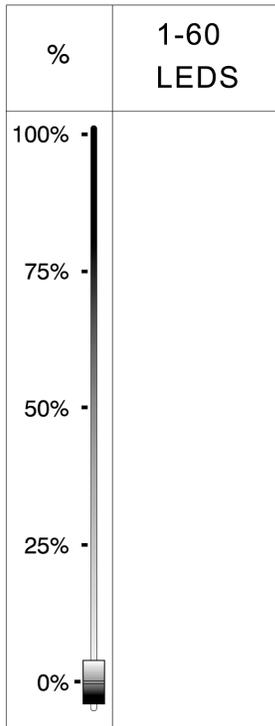
| | |
|---|--|
| 11-40 | Internal program 1 |
| 41-70 | Internal program 2 |
| 71-100 | Internal program 3 |
| 101-130 | Internal program 4 |
| 131-160 | Internal program 5 |
| 161-190 | Internal program 6 |
| 191-220 | Internal program 7 |
| 221-255 | Internal program 8 |
| | |
| <u>Channel 14 - Strobe:</u> | |
| 0 | No function |
| 1~95 | Strobe effect slow to fast |
| 96-127 | No function |
| 128-159 | Pulse effect in sequences |
| 160-191 | No function |
| 192-223 | Random strobe effect slow to fast |
| 224-255 | No function |
| | |
| <u>Channel 15 - General dimming / Program Speed Control</u> | |
| <i>This channel has two functions depending on the operating mode. When running the built-in programs this channel will control the program speed, when not running the built-in programs this channel will control master dimming.</i> | |
| 0-255 | Dimming (0%-100%) ~ Normal Operation |
| 0-255 | Speed (min to max) ~ When running built-in programs on channel 4 |

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60-Channel Mode will function similarly to 3-Channel mode. Where 3-Channel mode controls all like colors at one time 60-channel mode will allow you to control each individual color in each pixel.

63-Channel Mode will function similarly to 15-Channel mode. Where 15-Channel mode controls all like colors in blocks of 5 at a time 63-channel mode will allow you to control each individual color in each pixel.

60 Channels mode:



63 Channels mode:

