


























10. DMX CHANNEL TRAITS

The chart below details the channel layout for 12 DMX channels (default).

In 8bit mode the “Pan Fine” and “Tilt Fine” channels are not used, thus converting the fixture into a 10-channel DMX fixture.

| % | 1 Pan | 2 Pan High Resolution | 3 Tilt | 4 Tilt High Resolution | 5 Movement Speed | 6 RAINBOW | 7 RED | 8 GREEN | 9 BLUE | 10 Strobe | 11 Internal Program | 12 General dimming |
|------|--|--|--|--|--------------------------|---|--|--|--|---|---------------------------|---|
| 100% |  |  |  |  | NO FUNCTION |  |  |  |  |  | Program 8 |  |
| 75% | | | | | BLACKOUT BY MOVEMENT |  | | | |  | Program 7 | |
| 50% | | | | | Max | CROSSFADING COLOURS | | | |  | Program 6 | |
| 25% | | | | | Min | RAINBOW COLOURS | | | |  | Program 5 | |
| 0% |  |  |  |  | Moving speed ↑ Max | NO FUNCTION | | | |  | Program 4 | |
| | | | | | | | | | |  | Program 3 | |
| | | | | | | | | | |  | Program 2 | |
| | | | | | | | | | |  | Program 1 | |
| | | | | | | | | | |  | MOTOR RESET | |
| | | | | | | | | | |  | NO FUNCTION |  |

CHANNEL 1: Pan Movement (max. 540°)

CHANNEL 2: 16bit Pan Movement (pan fine)

CHANNEL 3: Tilt Movement (max. 265°)

CHANNEL 4: 16bit Tilt Movement (tilt fine)

CHANNEL 5: Speed Control (Pan/Tilt movement, blackout selection)

CHANNEL 6: Rainbow Control (Built-in color macros)

CHANNEL 7: Red Control

CHANNEL 8: Green Control

CHANNEL 9: Blue Control

CHANNEL 10: Strobe Control (0~13Hz, Variable, Random, Pulse)

CHANNEL 11: Special (Auto program control and motor reset)

CHANNEL 12: Dimmer Control

DMX channel function and values (12 Channel Mode):**Channel 1 - PAN movement 8bit :**

| | | |
|------------------------------------|--|--|
| | | |
| <u>Channel 2 – Pan fine</u> | | |
| | | |

Channel 3 - TILT movement 8bit :

| | | |
|-------------------------------------|--|--|
| | | |
| <u>Channel 4 – Tilt fine</u> | | |
| | | |

Channel 5 - Speed pan/tilt movement:

| | | |
|---------|----------------------|--|
| 0-225 | Max to min speed | |
| 226-235 | Blackout by movement | |
| 236-245 | No function | |
| 246-255 | No function | |
| | | |

Channel 6 - Rainbow:

| | | |
|---------|--------------------------------------|--|
| 0-7 | No function | |
| 8-220 | Rainbow colors | |
| 221-255 | Crossfading colors from slow to fast | |
| | | |

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 – reset, internal programs:

| | | |
|---------|--------------------|--|
| 0-79 | Normal | |
| 80-84 | All motor reset | |
| 85-87 | Scan motor reset | |
| 88-99 | No function | |
| 100-119 | Internal program 1 | |
| 120-139 | Internal program 2 | |
| 140-159 | Internal program 3 | |
| 160-179 | Internal program 4 | |
| 180-199 | Internal program 5 | |

| | | |
|--|-----------------------------------|--|
| 200-219 | Internal program 6 | |
| 220-239 | Internal program 7 | |
| 240-255 | Auto program by music | |
| Channel 11 - Strobe: | | |
| 0 | No function (shutter open) | |
| 1-95 | Strobe effect slow to fast | |
| 96-127 | No function (shutter open) | |
| 128-159 | Pulse effect in sequences | |
| 160-191 | No function (shutter open) | |
| 192-223 | Random strobe effect slow to fast | |
| 224-255 | No function (shutter open) | |
| Channel 12 - General dimming (option 1) | | |
| 0-255 | Dimming (1%-100%) | |

DMX channel function and values (10 Channel Mode):

| | | |
|---|--------------------------------------|--|
| <u>Channel 1 - PAN movement 8bit :</u> | | |
| | | |
| <u>Channel 2 - TILT movement 8bit :</u> | | |
| | | |
| <u>Channel 3 - Speed pan/tilt movement:</u> | | |
| 0-225 | Max to min speed | |
| 226-235 | Blackout by movement | |
| 236-245 | No function | |
| 246-255 | No function | |
| | | |
| <u>Channel 4 - Rainbow:</u> | | |
| 0-7 | No function | |
| 8-220 | Rainbow colors | |
| 221-255 | Crossfading colors from slow to fast | |
| | | |
| <u>Channel 5 - Red :</u> | | |
| 0-255 | Red (0-Black, 255-100% Red) | |
| | | |
| <u>Channel 6 - Green:</u> | | |
| 0-255 | Green (0-Black, 255-100% Green) | |
| | | |
| <u>Channel 7 - Blue:</u> | | |
| 0-255 | Blue (0-Black, 255- 100% Blue) | |
| | | |
| <u>Channel 8 – reset, internal programs:</u> | | |
| 0-79 | No function | |
| 80-84 | All motor reset | |
| 85-87 | Scan motor reset | |
| 88-99 | No function | |
| 100-119 | Internal program 1 | |
| 120-139 | Internal program 2 | |
| 140-159 | Internal program 3 | |
| 160-179 | Internal program 4 | |
| 180-199 | Internal program 5 | |
| 200-219 | Internal program 6 | |
| 220-239 | Internal program 7 | |
| 240-255 | Auto program by music | |
| | | |

| Channel 9 - Strobe: | | |
|--|-----------------------------------|--|
| 0 | No function (shutter open) | |
| 1-95 | Strobe effect slow to fast | |
| 96-127 | No function (shutter open) | |
| 128-159 | Pulse effect in sequences | |
| 160-191 | No function (shutter open) | |
| 192-223 | Random strobe effect slow to fast | |
| 224-255 | No function (shutter open) | |
| | | |
| Channel 10 - General dimming (option 1) | | |
| 0-255 | Dimming (1%-100%) | |
| | | |