# DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (86DMX CHANNELS) - V116

| Mode/Channel | | | | Function | | Value | Default Value |
|---|---|---|---|---|---|---|---|
| Ba | Std | Ext Ring | Ext Pixel | | | | |
| 1 | 1 | 1 | 1 | **PAN Movement 8bit** | | 0-255 | 128 |
| 2 | 2 | 2 | 2 | **Pan Fine 16bit**: Fine control of Pan movement | | 0-255 | 0 |
| 3 | 3 | 3 | 3 | **TILT Movement 8bit** | | 0-255 | 128 |
| 4 | 4 | 4 | 4 | **Tilt Fine 16bit**: Fine control of Tilt movement | | 0-255 | 0 |
| 5 | 5 | 5 | 5 | **Speed Fan/Tilt Movement** | Max to min speed | 0-225 | 0 |
| | | | | | Blackout by movement | 226-235 | |
| | | | | | No Function | 236-255 | |
| 6 | 6 | 6 | 6 | **Reserved** | | 0-255 | |
| 7 | 7 | 7 | 7 | **Reserved** | | 0-255 | |
| 8 | 8 | 8 | 8 | **Red Led-All Arrays / Background Colour When Chase ON**: Red (0-Black, 255-100% Red) | | 0-255 | 255 |
| 9 | 9 | 9 | 9 | **Red Fine Led-All Arrays / Background Colour When Chase ON**: Red fine (0-Black, 255-100% Red) | | 0-255 | 255 |
| 10 | 10 | 10 | 10 | **Green Led-All Arrays / Background Colour When Chase ON**: Green (0-Black, 255-100% Green) | | 0-255 | 255 |
| 11 | 11 | 11 | 11 | **Green Fine Led-All Arrays / Background Colour When Chase ON**: Green fine (0-Black, 255-100% Green) | | 0-255 | 255 |
| 12 | 12 | 12 | 12 | **Blue Led-All Arrays / Background Colour When Chase ON**: Blue (0-Black, 255-100% Blue) | | 0-255 | 255 |
| 13 | 13 | 13 | 13 | **Blue Fine Led-All Arrays / Background Colour When Chase ON**: Blue fine (0-Black, 255-100% Blue) | | 0-255 | 255 |
| 14 | 14 | 14 | 14 | **Lime Led-All Arrays / Background Colour When Chase ON**: Lime (0-Black, 255-100% Lime) | | 0-255 | 255 |
| 15 | 15 | 15 | 15 | **Lime Fine Led-All Arrays / Background Colour When Chase ON**: Lime fine (0-Black, 255-100% Lime) | | 0-255 | 255 |
| 16 | 16 | 16 | 16 | **Shutter, Strobe** | LED turn off | 0-31 | 32 |
| | | | | | LED turn on | 32-63 | |
| | | | | | Strobe effect slow to fast | 64-95 | |
| | | | | | LED turn on | 96-127 | |
| | | | | | Pulse-effect in sequences | 128-159 | |
| | | | | | LED turn on | 160-191 | |
| | | | | | Random strobe effect slow to fast | 192-223 | |
| | | | | | LED turn on | 224-255 | |
| 17 | 17 | 17 | 17 | **Dimmer Intensity**: Intensity 0 to 100% | | 0-255 | 0 |
| 18 | 18 | 18 | 18 | **Dimmer Intensity Fine** | | 0-255 | 0 |
| 19 | 19 | 19 | 19 | **Linear CTO From 8000 To 2700 K** | Menu: Options / CTC Mode / RGB | | 0 |
| | | | | | RGBL mode | 0-9 | |
| | | | | | 6500K (RGB) | 10-21 | |
| | | | | | 8000 K - 2500 K (RGB) | 22-255 | |
| | | | | | Menu: Options / CTC Mode / RGBL | | |
| | | | | | No function | 0-9 | |
| | | | | | CRI 80 | 10-21 | |
| | | | | | 8000 K | 22-42 | |
| | | | | | 7500 K | 43-63 | |
| | | | | | 7000 K | 64-84 | |
| | | | | | 6500 K | 85-105 | |

| Mode/Channel | | | | Function | | Value | Default Value |
|---|---|---|---|---|---|---|---|
| 19 | 19 | 19 | 19 | **Linear CTO From 8000 To 2700 K** | 6000 K | 106-126 | 0 |
| | | | | | 5500 K | 127-147 | |
| | | | | | 5000 K | 148-168 | |
| | | | | | 4500 K | 169-189 | |
| | | | | | 4000 K | 190-210 | |
| | | | | | 3500 K | 211-231 | |
| | | | | | 2700 K | 232-255 | |
| 20 | 20 | 20 | 20 | **Colour Preset:** See Appendix | | 0-255 | 0 |
| 21 | 21 | 21 | 21 | **Colour Preset / RGBW Cross Fade** | Output controlled by RGBL values | 0 | 0 |
| | | | | | Cross fade between RGBL settings and colours preset channel | 1-254 | |
| | | | | | Output controlled by colour preset values | 255 | |
| 22 | 22 | 22 | 22 | **Between Colour Preset Cross Fade** | No fade | 0-4 | 0 |
| | | | | | Cross fade between 2 Colour presets from 100ms to 5 sec | 4-255 | |
| 23 | 23 | 23 | 23 | **Zoom:** From small to big | | 0-255 | 128 |
| 24 | 24 | 24 | 24 | **Zoom Fine** | | 0-255 | 0 |
| 25 | 25 | 25 | 25 | **Reserved** | | 0-255 | 0 |
| 26 | 26 | 26 | 26 | **Reset, Internal Programs** | unused | 0-4 | 0 |
| | | | | | Display Off | 5-9 | |
| | | | | | Display On | 10-14 | |
| | | | | | Display Invert Off | 15-19 | |
| | | | | | Display Invert On | 20-24 | |
| | | | | | Auto fan control mode | 25-26 | |
| | | | | | Stage fan control mode | 27-28 | |
| | | | | | Silence fan control mode | 29-30 | |
| | | | | | Super Silence fan control mode | 31-32 | |
| | | | | | Constant Fans Off | 33-34 | |
| | | | | | Constant Fans On | 35-36 | |
| | | | | | unused | 37-44 | |
| | | | | | Square Law | 45-49 | |
| | | | | | Linear | 50-54 | |
| | | | | | 1.2K | 55-57 | |
| | | | | | 2.4K | 58-60 | |
| | | | | | 16K | 61-63 | |
| | | | | | 25K | 64-69 | |
| | | | | | Tungsten lamp simulation 500 W | 70-71 | |
| | | | | | Tungsten lamp simulation 1000 W | 72-73 | |
| | | | | | Tungsten lamp simulation 2500 W | 74-75 | |
| | | | | | Tungsten lamp simulation 5000 W | 76-77 | |
| | | | | | Tungsten lamp simulation off | 78-79 | |
| | | | | | All motor reset | 80-84 | |
| | | | | | P/T motor reset | 85-87 | |

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| Mode/Channel | | | | Function | | Value | Default Value |
|---|---|---|---|---|---|---|---|
| 26 | 26 | 26 | 26 | Reset, Internal Programs | Zoom motor reset | 88-90 | 0 |
| | | | | | Pixel Rotation 0° | 91-93 | |
| | | | | | Pixel Rotation 90° | 94-96 | |
| | | | | | Pixel Rotation 180° | 97-99 | |
| | | | | | Pixel Rotation 270° | 100-102 | |
| | | | | | Reserved | 91-105 | |
| | | | | | Defog off | 106-108 | |
| | | | | | Defog auto | 109-111 | |
| | | | | | Defog on | 112-114 | |
| | | | | | CTC - RGB mode | 115-117 | |
| | | | | | CTC - RGBL mode | 118-120 | |
| | | | | | Reserved | 121-255 | |
| | 27 | 27 | 27 | Main LED Chase Patterns | Chase OFF | 0-9 | 0 |
| | | | | | Chase 1 | 10-14 | |
| | | | | | Chase 2 | 15-19 | |
| | | | | | Chase 3 | 20-24 | |
| | | | | | Chase 4 | 25-29 | |
| | | | | | Chase 5 | 30-34 | |
| | | | | | Chase 6 | 35-39 | |
| | | | | | Chase 7 | 40-44 | |
| | | | | | Chase 8 | 45-49 | |
| | | | | | Chase 9 | 50-54 | |
| | | | | | Chase 10 | 55-59 | |
| | | | | | Chase 11 | 60-64 | |
| | | | | | Chase 12 | 65-69 | |
| | | | | | Chase 13 | 70-74 | |
| | | | | | Chase 14 | 75-79 | |
| | | | | | Chase 15 | 80-84 | |
| | | | | | Chase 16 | 85-89 | |
| | | | | | Chase 17 | 90-94 | |
| | | | | | Chase 18 | 95-99 | |
| | | | | | Chase 19 | 100-104 | |
| | | | | | Chase 20 | 105-109 | |
| | | | | | Chase 21 | 110-114 | |
| | | | | | Chase 22 | 115-119 | |
| | | | | | Reserved | 120-255 | |
| | 28 | 28 | 28 | Main LED Chase Speed | Fast to Slow Backward | 0-125 | 0 |
| | | | | | Stop (Speed=0) | 126-130 | |
| | | | | | Slow to Fast Forward | 131-255 | |
| | 29 | 29 | 29 | **Main LED Chase Fade** | | 0-255 | 0 |
| | 30 | 30 | 30 | **Main LED Chase Size**: Chase Category | | 0-255 | 0 |
| | 31 | 31 | 31 | **Red Chase Colour**: Red (0-Black , 255-100% Red) | | 0-255 | 255 |
| | 32 | 32 | 32 | **Green Chase Colour**: Green (0-Black , 255-100% Green) | | 0-255 | 255 |
| | 33 | 33 | 33 | **Blue Chase Colour**: Blue (0-Black , 255-100% Blue) | | 0-255 | 255 |
| | 34 | 34 | 34 | **Lime Chase Colour**: White (0-Black , 255-100% White) | | 0-255 | 255 |
| | 35 | 35 | 35 | **Dimmer Chase**: Intensity (0-Black , 255-100%) | | 0-255 | 0 |
| | 36 | 36 | 36 | **Dimmer Background Chase**: Inverted disabled when chase OFF / Intensity (0-100%, 255-0%) | | 0-255 | 0 |
| | 37 | 37 | 37 | Chase, Strobe | LED turn off | 0-31 | 32 |
| | | | | | LED turn on | 32-63 | |
| | | | | | Strobe effect slow to fast | 64-95 | |
| | | | | | LED turn on | 96-127 | |
| | | | | | Pulse-effect in sequences | 128-159 | |
| | | | | | LED turn on | 160-191 | |
| | | | | | Random strobe effect slow to fast | 192-223 | |
| | | | | | LED turn on | 22-255 | |
| | | 38 | 38 | **Cross Fade To Pixel/Ring Mode**: from RGBW control to PIXEL control | | 0-255 | 128 |
| | | 39 | | **Red LED-Ring 1**: Red (0-Black, 255-100% Red) | | 0-255 | 0 |
| | | 40 | | **Green LED-Ring 1**: Green (0-Black, 255-100% Green) | | 0-255 | 0 |
| | | 41 | | **Blue LED-Ring1**: Blue (0-Black, 255-100% Blue) | | 0-255 | 0 |
| | | 42 | | **Lime LED-Ring 1**: Lime (0-Black, 255-100% Lime) | | 0-255 | 0 |
| | | 43 | | **Red LED-Ring 2**: Red (0-Black, 255-100% Red) | | 0-255 | 0 |
| | | 44 | | **Green LED-Ring 2**: Green (0-Black, 255-100% Green) | | 0-255 | 0 |
| | | 45 | | **Blue LED-Ring 2**: Blue (0-Black, 255-100% Blue) | | 0-255 | 0 |
| | | 46 | | **Lime LED-Ring 2**: Lime (0-Black, 255-100% Lime) | | 0-255 | 0 |
| | | | 39 | **Red LED-Array 1**: Red (0-Black , 255-100% Red) | | 0-255 | 0 |
| | | | 40 | **Green LED-Array 1**: Green (0-Black , 255-100% Green) | | 0-255 | 0 |
| | | | 41 | **Blue LED-Array 1**: Blue (0-Black , 255-100% Blue) | | 0-255 | 0 |
| | | | 42 | **Lime LED-Array 1**: Lime (0-Black , 255-100% Lime) | | 0-255 | 0 |
| | | | 43 | **Red LED-Array 2**: Red (0-Black , 255-100% Red) | | 0-255 | 0 |
| | | | 44 | **Green LED-Array 2**: Green (0-Black , 255-100% Green) | | 0-255 | 0 |
| | | | 45 | **Blue LED-Array 2**: Blue (0-Black , 255-100% Blue) | | 0-255 | 0 |
| | | | 46 | **Lime LED-Array 2**: Lime (0-Black , 255-100% Lime) | | 0-255 | 0 |
| ... | | | | | | | |
| | | | 83 | **Red LED-Array 12**: Red (0-Black , 255-100% Red) | | 0-255 | 0 |
| | | | 84 | **Green LED-Array 12**: Green (0-Black , 255-100% Green) | | 0-255 | 0 |
| | | | 85 | **Blue LED-Array 12**: Blue (0-Black , 255-100% Blue) | | 0-255 | 0 |
| | | | 86 | **Lime LED-Array 12**: Lime (0-Black , 255-100% Lime) | | 0-255 | 0 |

***Errors and omissions for all information given in this DMX chart are possible.***
***All information is subject to change without prior notice.***



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