

## DMX CHANNEL'S FUNCTIONS AND THEIR VALUES (61DMX CHANNELS) - V222

| Mode/<br>Channel |     |    | Function                                       | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Default<br>Value |
|------------------|-----|----|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Ba               | Std | Ex |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |
| 1                | 1   | 1  | PAN Movement 8bit                              | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 128              |
|                  | 2   | 2  | Pan Fine 16bit: Fine control of Pan movement   | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0                |
| 2                | 3   | 3  | TILT Movement 8bit                             | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 128              |
|                  | 4   | 4  | Tilt Fine 16bit: Fine control of Tilt movement | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0                |
| 3                | 5   | 5  | Speed Pan/Tilt Movement                        | Max to min speed 0-225<br>Blackout by movement 226-235<br>Blackout by all wheel changing 236-245<br>No function 246-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0                |
| 4                | 6   | 6  | Shutter, Strobe                                | Shutter closed 0-10<br>No function (shutter open) 11-20<br>Strobe effect slow to fast 21-1117<br>No function (shutter open) 118-126<br>Pulse-effects in sequences 127-180<br>No function (shutter open) 181-191<br>Random strobe effect slow to fast 192-245<br>No function (shutter open) 246-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 11               |
| 5                | 7   | 7  | Dimmer Intensity: Intensity 0 to 100%          | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0                |
|                  |     | 8  | Dimmer Intensity Fine                          | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0                |
| 6                | 8   | 9  | Reserved                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |
| 7                | 9   | 10 | Reserved                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |
| 8                | 10  | 11 | Reserved                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |
| 9                | 11  | 12 | Zoom: From small to big                        | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 128              |
|                  |     | 13 | Zoom Fine                                      | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0                |
| 10               | 12  | 14 | Focus : From near to far                       | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 128              |
|                  |     | 15 | Focus Fine                                     | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0                |
| 11               | 13  | 16 | Auto Focus                                     | Auto Focus Off 0-50<br>5m 51-100<br>7.5m 101-500<br>10m 151-200<br>15m 201-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0                |
| 12               | 14  | 17 | Auto Focus Fine                                | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0                |
| 13               | 15  | 18 | Colour Wheel                                   | Open/white 0-3<br>Colour 1: Minus Green 1/2  4-7<br>Colour 2: Magenta  8-11<br>Colour 3: Congo Blue  12-15<br>Colour 4: Green  16-19<br>Colour 5: Orange  20-23<br>Colour 6: Blue  24-27<br>Colour 7: Red  28-31<br>Colour indexing 32-127 | 0                |

| Mode/<br>Channel |    |    | Function                                            | Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Default<br>Value |
|------------------|----|----|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 13               | 15 | 18 | Colour Wheel                                        | Forwards rainbow effect from fast to slow 128-189<br>No rotation 190-193<br>Backwards rainbow effect from fast to slow 194-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0                |
|                  |    | 19 | Colour Wheel Fine                                   | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0                |
| 14               | 16 | 20 | Cyan Colour: Cyan (0-white, 255-100% Cyan)          | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0                |
|                  |    | 21 | Cyan Colour Fine                                    | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0                |
| 15               | 17 | 22 | Magenta Colour: Magenta (0-white, 255-100% Magenta) | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0                |
|                  |    | 23 | Magenta Colour Fine                                 | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0                |
| 16               | 18 | 24 | Yellow Colour: Yellow (0-white, 255-100% Yellow)    | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0                |
|                  |    | 25 | Yellow Colour Fine                                  | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0                |
| 17               | 19 | 26 | CTO Colour (0-white, 255-100% CTO)                  | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0                |
|                  |    | 27 | CTO Colour Fine                                     | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0                |
| 18               | 20 | 28 | Rotating Gobo Wheel                                 | Open 0-9<br>Rot.gobo 1: Dot Line 11  10-19<br>Rot. gobo 2: Star Field  20-29<br>Rot. gobo 3: Nested Triangle  30-39<br>Rot. gobo 4: Infinite Stairs  40-49<br>Rot. gobo 5: Vortex  50-59<br>Rot. gobo 6: Black & White Target  60-69<br>Rot. gobo 7: Nested Rings Yellow  70-77<br>Gobo 1 shake slow to fast 78-93<br>Gobo 2 shake slow to fast 94-109<br>Gobo 3 shake slow to fast 110-125<br>Gobo 4 shake slow to fast 126-141<br>Gobo 5 shake slow to fast 142-157<br>Gobo 6 shake slow to fast 158-173<br>Gobo 7 shake slow to fast 174-189<br>Gobo wheel rotation forwards from fast to slow 190-221<br>No rotation 222-223<br>Gobo wheel rotation f backwards from slow to start 224-255 | 0                |
| 19               | 21 | 29 | Rotating Gobo Wheel Index, Rotation                 | Gobo indexing 0-127<br>Forwards gobo rotation from fast to slow 128-189<br>No rotation 190-193<br>Backwards gobo rotation from slow to fast 194-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0                |
|                  |    | 30 | Rotating Gobo Wheel Index, Rotation Fine            | 0-255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0                |
| 20               | 22 | 31 | Static Gobo Wheel                                   | Open 0-13<br>Gobo 1: Conical Tunnel Effect  14-18<br>Gobo 2: Smoke Rings  19-23<br>Gobo 3: Fireworks  24-28<br>Gobo 4: Abstract Squares  29-33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0                |

| Mode/<br>Channel |    |    | Function                      |                                             | Value                                                                                       | Default<br>Value |
|------------------|----|----|-------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------|------------------|
| 20               | 22 | 31 | Static Gobo<br>Wheel          | Gobo 5: Iron Filings                        |  34-38     | 0                |
|                  |    |    |                               | Gobo 6: Lost In The Rain                    |  39-43     |                  |
|                  |    |    |                               | Gobo 7: Deep Forest                         |  44-48     |                  |
|                  |    |    |                               | Gobo 8: Tree Bark                           |  49-53     |                  |
|                  |    |    |                               | Gobo 9: Mirror Ball                         |  54-58     |                  |
|                  |    |    |                               | Gobo 10: Digital                            |  59-63     |                  |
|                  |    |    |                               | Gobo 11: Stained Glass                      |  64-68     |                  |
|                  |    |    |                               | Gobo 1 shake slow to fast                   | 69-79                                                                                       |                  |
|                  |    |    |                               | Gobo 2 shake slow to fast                   | 80-90                                                                                       |                  |
|                  |    |    |                               | Gobo 3 shake slow to fast                   | 91-101                                                                                      |                  |
|                  |    |    |                               | Gobo 4 shake slow to fast                   | 102-112                                                                                     |                  |
|                  |    |    |                               | Gobo 5 shake slow to fast                   | 113-123                                                                                     |                  |
|                  |    |    |                               | Gobo 6 shake slow to fast                   | 124-134                                                                                     |                  |
|                  |    |    |                               | Gobo 7 shake slow to fast                   | 135-145                                                                                     |                  |
|                  |    |    |                               | Gobo 8 shake slow to fast                   | 146-156                                                                                     |                  |
|                  |    |    |                               | Gobo 9 shake slow to fast                   | 157-167                                                                                     |                  |
|                  |    |    |                               | Gobo 10 shake slow to fast                  | 168-178                                                                                     |                  |
|                  |    |    |                               | Gobo 11 shake slow to fast                  | 179-189                                                                                     |                  |
|                  |    |    |                               | Clock-wise scroll from fast to slow         | 190-221                                                                                     |                  |
|                  |    |    |                               | Reserved                                    | 222-223                                                                                     |                  |
|                  |    |    |                               | Counter clock-wise scroll from slow to fast | 224-255                                                                                     |                  |
| 21               | 23 | 32 | Animation<br>Wheel            | Open                                        |  0-7     | 0                |
|                  |    |    |                               | Forwards rotation from fast to slow         | 8-127                                                                                       |                  |
|                  |    |    |                               | No rotation                                 |  128-135 |                  |
|                  |    |    |                               | Backwards rotation from slow to fast        | 136-255                                                                                     |                  |
| 22               | 24 | 33 | Iris                          | Max. diameter to Min. diameter              | 0-191                                                                                       | 0                |
|                  |    |    |                               | Pulse closing fast to slow                  | 192-223                                                                                     |                  |
|                  |    |    |                               | Pulse opening slow to fast                  | 224-255                                                                                     |                  |
|                  |    | 34 | Iris Fine                     |                                             | 0-255                                                                                       | 0                |
| 23               | 25 | 35 | Prism 1                       | Open                                        | 0-127                                                                                       | 0                |
|                  |    |    |                               | 5-facet circular                            |  128-255 |                  |
| 24               | 26 | 36 | Prism 1<br>Index,<br>Rotation | Prism indexing                              | 0-127                                                                                       | 0                |
|                  |    |    |                               | Forwards prism rotation from fast to slow   | 128-189                                                                                     |                  |
|                  |    |    |                               | No rotation                                 | 190-193                                                                                     |                  |
|                  |    |    |                               | Backwards prism rotation from slow to fast  | 194-255                                                                                     |                  |
|                  |    | 37 | Prism 1 Index, Rotation Fine  |                                             | 0-255                                                                                       | 0                |
| 25               | 27 | 38 | Prism 2                       | Open                                        | 0-127                                                                                       | 0                |
|                  |    |    |                               | 4-facet linear                              |  128-255 |                  |
| 26               | 28 | 39 | Prism 2<br>Index,<br>Rotation | Prism indexing                              | 0-127                                                                                       | 0                |
|                  |    |    |                               | Forwards prism rotation from fast to slow   | 128-189                                                                                     |                  |

| Mode/<br>Channel |    |    | Function                                       |                                            | Value   | Default<br>Value |
|------------------|----|----|------------------------------------------------|--------------------------------------------|---------|------------------|
| 26               | 28 | 39 | Prism 2<br>Index,<br>Rotation                  | No rotation                                | 190-193 | 0                |
|                  |    |    |                                                | Backwards prism rotation from slow to fast | 194-255 |                  |
|                  |    | 40 | Prism 2 Index, Rotation Fine                   |                                            | 0-255   | 0                |
| 27               | 29 | 41 | Frost 1 : 0 - 100%                             |                                            | 0-255   | 0                |
| 28               | 30 | 42 | Frost 2: 0 - 100%                              |                                            | 0-255   | 0                |
| 29               | 31 | 43 | Blade 1A: Open to Close                        |                                            | 0-255   | 0                |
|                  |    | 44 | Blade 1A Fine: Open to Close Fine              |                                            | 0-255   | 0                |
| 30               | 32 | 45 | Blade 1B: Open to Close                        |                                            | 0-255   | 0                |
|                  |    | 46 | Blade 1B Fine: Open to Close Fine              |                                            | 0-255   | 0                |
| 31               | 33 | 47 | Blade 2A: Open to Close                        |                                            | 0-255   | 0                |
|                  |    | 48 | Blade 2A Fine: Open to Close Fine              |                                            | 0-255   | 0                |
| 32               | 34 | 49 | Blade 2B: Open to Close                        |                                            | 0-255   | 0                |
|                  |    | 50 | Blade 2B Fine: Open to Close Fine              |                                            | 0-255   | 0                |
| 33               | 35 | 51 | Blade 3A: Open to Close                        |                                            | 0-255   | 0                |
|                  |    | 52 | Blade 3A Fine: Open to Close Fine              |                                            | 0-255   | 0                |
| 34               | 36 | 53 | Blade 3B: Open to Close                        |                                            | 0-255   | 0                |
|                  |    | 54 | Blade 3B Fine: Open to Close Fine              |                                            | 0-255   | 0                |
| 35               | 37 | 55 | Blade 4A: Open to Close                        |                                            | 0-255   | 0                |
|                  |    | 56 | Blade 4A Fine: Open to Close Fine              |                                            | 0-255   | 0                |
| 36               | 38 | 57 | Blade 4B: Open to Close                        |                                            | 0-255   | 0                |
|                  |    | 58 | Blade 4B Fine: Open to Close Fine              |                                            | 0-255   | 0                |
| 37               | 39 | 59 | All Blade Rotation: All Blade Rotation +/- 45° |                                            | 0-255   | 128              |
|                  |    | 60 | All Blade Rotation Fine                        |                                            | 0-255   | 0                |
| 38               | 40 | 61 | Control,<br>Reset,<br>Internal<br>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                                       | 55-58   |                  |
|                  |    |    |                                                | 2.4K                                       | 59-62   |                  |
| 26               | 28 | 39 |                                                | 16K                                        | 63-66   | 0                |
|                  |    |    |                                                | 25K                                        | 67-69   |                  |
|                  |    |    |                                                | Gobo correction Off                        | 70-74   |                  |

| Mode/<br>Channel | Function |    | Value                                      | Default<br>Value |
|------------------|----------|----|--------------------------------------------|------------------|
| 38               | 40       | 61 | Control,<br>Reset,<br>Internal<br>Programs | 0                |
|                  |          |    |                                            |                  |
|                  |          |    |                                            |                  |
|                  |          |    |                                            |                  |
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|                  |          |    |                                            |                  |

| Mode/<br>Channel | Function                                            |                                                                                                                         | Value   | Default<br>Value |
|------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------|------------------|
| 8                | Dimmer Intensity Fine                               |                                                                                                                         | 0-255   | 0                |
| 9                | Reserved                                            |                                                                                                                         |         |                  |
| 10               | Reserved                                            |                                                                                                                         |         |                  |
| 11               | Reserved                                            |                                                                                                                         |         |                  |
| 12               | Zoom: From small to big                             |                                                                                                                         | 0-255   | 128              |
| 13               | Zoom Fine                                           |                                                                                                                         | 0-255   | 0                |
| 14               | Focus: From near to far                             |                                                                                                                         | 0-255   | 128              |
| 15               | Focus Fine                                          |                                                                                                                         | 0-255   | 0                |
| 16               | Auto Focus                                          | Auto Focus Off                                                                                                          | 0-50    | 0                |
|                  |                                                     | 5m                                                                                                                      | 51-100  |                  |
|                  |                                                     | 7.5m                                                                                                                    | 101-500 |                  |
|                  |                                                     | 10m                                                                                                                     | 151-200 |                  |
|                  |                                                     | 15m                                                                                                                     | 201-255 |                  |
| 17               | Auto Focus Fine                                     |                                                                                                                         | 0-255   | 0                |
| 18               | Colour<br>Wheel                                     | Open/white                                                                                                              | 0-3     | 0                |
|                  |                                                     | Colour 1: Minus Green 1/2            | 4-7     |                  |
|                  |                                                     | Colour 2: Magenta                    | 8-11    |                  |
|                  |                                                     | Colour 3: Congo Blue                | 12-15   |                  |
|                  |                                                     | Colour 4: Green                    | 16-19   |                  |
|                  |                                                     | Colour 5: Orange                   | 20-23   |                  |
|                  |                                                     | Colour 6: Blue                     | 24-27   |                  |
|                  |                                                     | Colour indexing                                                                                                         | 32-127  |                  |
|                  |                                                     | Forwards rainbow effect from fast to slow                                                                               | 128-189 |                  |
|                  |                                                     | No rotation                                                                                                             | 190-193 |                  |
|                  |                                                     | Backwards rainbow effect from fast to slow                                                                              | 194-255 |                  |
| 19               | Colour Wheel Fine                                   |                                                                                                                         | 0-255   | 0                |
| 20               | Cyan Colour: Cyan (0-white, 255-100% Cyan)          |                                                                                                                         | 0-255   | 0                |
| 21               | Cyan Colour Fine                                    |                                                                                                                         | 0-255   | 0                |
| 22               | Magenta Colour: Magenta (0-white, 255-100% Magenta) |                                                                                                                         | 0-255   | 0                |
| 23               | Magenta Colour Fine                                 |                                                                                                                         | 0-255   | 0                |
| 24               | Yellow Colour: Yellow (0-white, 255-100% Yellow)    |                                                                                                                         | 0-255   | 0                |
| 25               | Yellow Colour Fine                                  |                                                                                                                         | 0-255   | 0                |
| 26               | CTO Colour (0-white, 255-100% CTO)                  |                                                                                                                         | 0-255   | 0                |
| 27               | CTO Colour Fine                                     |                                                                                                                         | 0-255   | 0                |
| 28               | Rotating<br>Gobo Wheel                              | Open                                                                                                                    | 0-9     | 0                |
|                  |                                                     | Rot.gobo 1: Dot Line 11            | 10-19   |                  |
|                  |                                                     | Rot. gobo 2: Star Field            | 20-29   |                  |
|                  |                                                     | Rot. gobo 3: Nested Triangle       | 30-39   |                  |
|                  |                                                     | Rot. gobo 4: Infinite Stairs       | 40-49   |                  |
|                  |                                                     | Rot. gobo 5: Vortex                | 50-59   |                  |
|                  |                                                     | Rot. gobo 6: Black & White Target  | 60-69   |                  |
|                  |                                                     |                                                                                                                         |         |                  |

## GHIBLI MODE

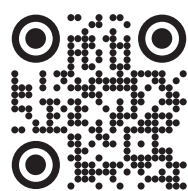
| Mode/<br>Channel | Function                                       |                                   | Value   | Default<br>Value |
|------------------|------------------------------------------------|-----------------------------------|---------|------------------|
| Ghibli Mode      |                                                |                                   |         |                  |
| 1                | PAN Movement 8bit                              |                                   | 0-255   | 128              |
| 2                | Pan Fine 16bit: Fine control of Pan movement   |                                   | 0-255   | 0                |
| 3                | TILT Movement 8bit                             |                                   | 0-255   | 128              |
| 4                | Tilt Fine 16bit: Fine control of Tilt movement |                                   | 0-255   | 0                |
| 5                | Speed<br>Pan/Tilt<br>movement                  | Max to min speed                  | 0-225   | 0                |
|                  |                                                | Blackout by movement              | 226-235 |                  |
|                  |                                                | Blackout by all wheel changing    | 236-245 |                  |
|                  |                                                | No function                       | 246-255 |                  |
| 6                | Shutter,<br>strobe                             | Shutter closed                    | 0-10    | 11               |
|                  |                                                | No function (shutter open)        | 11-20   |                  |
|                  |                                                | Strobe effect slow to fast        | 21-1117 |                  |
|                  |                                                | No function (shutter open)        | 118-126 |                  |
|                  |                                                | Pulse-effects in sequences        | 127-180 |                  |
|                  |                                                | No function (shutter open)        | 181-191 |                  |
|                  |                                                | Random strobe effect slow to fast | 192-245 |                  |
|                  |                                                | No function (shutter open)        | 246-255 |                  |
| 7                | Dimmer Intensity: Intensity 0 to 100%          |                                   | 0-255   | 0                |

| Mode/<br>Channel | Function                                     |                                                                                                                    | Value   | Default<br>Value |
|------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------|------------------|
| 28               | Rotating<br>Gobo Wheel                       | Rot. gobo 7: Nested Rings Yellow  | 70-77   | 0                |
|                  |                                              | Gobo 1 shake slow to fast                                                                                          | 78-93   |                  |
|                  |                                              | Gobo 2 shake slow to fast                                                                                          | 94-109  |                  |
|                  |                                              | Gobo 3 shake slow to fast                                                                                          | 110-125 |                  |
|                  |                                              | Gobo 4 shake slow to fast                                                                                          | 126-141 |                  |
|                  |                                              | Gobo 5 shake slow to fast                                                                                          | 142-157 |                  |
|                  |                                              | Gobo 6 shake slow to fast                                                                                          | 158-173 |                  |
|                  |                                              | Gobo 7 shake slow to fast                                                                                          | 174-189 |                  |
|                  |                                              | Gobo wheel rotation forwards from fast to slow                                                                     | 190-221 |                  |
|                  |                                              | No rotation                                                                                                        | 222-223 |                  |
| 29               | Rotating<br>Gobo Wheel<br>Index,<br>Rotation | Gobo indexing                                                                                                      | 0-127   | 0                |
|                  |                                              | Forwards gobo rotation from fast to slow                                                                           | 128-189 |                  |
|                  |                                              | No rotation                                                                                                        | 190-193 |                  |
|                  |                                              | Backwards rotation from slow to fast                                                                               | 194-255 |                  |
| 30               | Rotating Gobo Wheel Index, Rotation Fine     |                                                                                                                    | 0-255   | 0                |
| 31               | Fix Gobo<br>Wheel                            | Open                                                                                                               | 0-13    | 0                |
|                  |                                              | Gobo 1: Conical Tunnel Effect   | 14-18   |                  |
|                  |                                              | Gobo 2: Smoke Rings             | 19-23   |                  |
|                  |                                              | Gobo 3: Fireworks               | 24-28   |                  |
|                  |                                              | Gobo 4: Abstract Squares        | 29-33   |                  |
|                  |                                              | Gobo 5: Iron Filings            | 34-38   |                  |
|                  |                                              | Gobo 6: Lost In The Rain        | 39-43   |                  |
|                  |                                              | Gobo 7: Deep Forest             | 44-48   |                  |
|                  |                                              | Gobo 8: Tree Bark               | 49-53   |                  |
|                  |                                              | Gobo 1 shake slow to fast                                                                                          | 69-79   |                  |
|                  |                                              | Gobo 2 shake slow to fast                                                                                          | 80-90   |                  |
|                  |                                              | Gobo 3 shake slow to fast                                                                                          | 91-101  |                  |
|                  |                                              | Gobo 4 shake slow to fast                                                                                          | 102-112 |                  |
|                  |                                              | Gobo 5 shake slow to fast                                                                                          | 113-123 |                  |
|                  |                                              | Gobo 6 shake slow to fast                                                                                          | 124-134 |                  |
|                  |                                              | Gobo 7 shake slow to fast                                                                                          | 135-145 |                  |
|                  |                                              | Gobo 8 shake slow to fast                                                                                          | 146-156 |                  |
|                  |                                              | Clock-wise scroll from fast to slow                                                                                | 190-221 |                  |
|                  |                                              | Reserved                                                                                                           | 222-223 |                  |
|                  |                                              | Counter clock-wise scroll from slow to fast                                                                        | 224-255 |                  |
| 32               | Animation<br>Wheel                           | Open                            | 0-7     | 0                |
|                  |                                              | Forwards rotation from fast to slow                                                                                | 8-127   |                  |
|                  |                                              | No rotation                     | 128-135 |                  |
|                  |                                              | Backwards rotation from slow to fast                                                                               | 136-255 |                  |

| Mode/<br>Channel | Function                                         |                                                                                                      | Value   | Default<br>Value |
|------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------|---------|------------------|
| 33               | Iris                                             | Max. diameter to Min. diameter                                                                       | 0-191   | 0                |
|                  |                                                  | Pulse closing fast to slow                                                                           | 192-223 |                  |
|                  |                                                  | Pulse opening slow to fast                                                                           | 224-255 |                  |
| 34               | Iris Fine                                        |                                                                                                      | 0-255   | 0                |
| 35               | Prism                                            | Open                                                                                                 | 0-127   | 0                |
|                  |                                                  | 5-facet circular  | 128-255 |                  |
| 36               | Prism<br>Index,<br>Rotation                      | Prism indexing                                                                                       | 0-127   | 0                |
|                  |                                                  | Forwards prism rotation from fast to slow                                                            | 128-189 |                  |
|                  |                                                  | No rotation                                                                                          | 190-193 |                  |
|                  |                                                  | Backwards prism rotation from slow to fast                                                           | 194-255 |                  |
| 37               | Prism 1 Index, Rotation Fine                     |                                                                                                      | 0-255   | 0                |
| 38               | Frost 1: 0 - 100%                                |                                                                                                      | 0-255   | 0                |
| 39               | Frost 2: 0 - 100%                                |                                                                                                      | 0-255   | 0                |
| 40               | Blade 1A: Open to Close                          |                                                                                                      | 0-255   | 0                |
| 41               | Blade 1A Fine: Open to Close Fine                |                                                                                                      | 0-255   | 0                |
| 42               | Blade 1B: Open to Close                          |                                                                                                      | 0-255   | 0                |
| 43               | Blade 1B Fine: Open to Close Fine                |                                                                                                      | 0-255   | 0                |
| 44               | Blade 2A: Open to Close                          |                                                                                                      | 0-255   | 0                |
| 45               | Blade 2A Fine: Open to Close Fine                |                                                                                                      | 0-255   | 0                |
| 46               | Blade 2B: Open to Close                          |                                                                                                      | 0-255   | 0                |
| 47               | Blade 2B Fine: Open to Close Fine                |                                                                                                      | 0-255   | 0                |
| 48               | Blade 3A: Open to Close                          |                                                                                                      | 0-255   | 0                |
| 49               | Blade 3A Fine: Open to Close Fine                |                                                                                                      | 0-255   | 0                |
| 50               | Blade 3B: Open to Close                          |                                                                                                      | 0-255   | 0                |
| 51               | Blade 3B Fine: Open to Close Fine                |                                                                                                      | 0-255   | 0                |
| 52               | Blade 4A: Open to Close                          |                                                                                                      | 0-255   | 0                |
| 53               | Blade 4A Fine: Open to Close Fine                |                                                                                                      | 0-255   | 0                |
| 54               | Blade 4B: Open to Close                          |                                                                                                      | 0-255   | 0                |
| 55               | Blade 4B Fine: Open to Close Fine                |                                                                                                      | 0-255   | 0                |
| 56               | All Blade Rotation: All Blade Rotation +/- 45°   |                                                                                                      | 0-255   | 128              |
| 57               | All Blade Rotation Fine: All Blade Rotation Fine |                                                                                                      | 0-255   | 0                |
| 58               | Control,<br>Reset,<br>Internal<br>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   |                  |

| Mode/<br>Channel | Function                                   |                     | Value   | Default<br>Value |
|------------------|--------------------------------------------|---------------------|---------|------------------|
| 58               | Control,<br>Reset,<br>Internal<br>Programs | unused              | 37-44   | 0                |
|                  |                                            | Square Law          | 45-49   |                  |
|                  |                                            | Linear              | 50-54   |                  |
|                  |                                            | 1.2 K               | 55-58   |                  |
|                  |                                            | 2.4 K               | 59-62   |                  |
|                  |                                            | 16 K                | 63-66   |                  |
|                  |                                            | 25 K                | 67-69   |                  |
|                  |                                            | Gobo correction Off | 70-74   |                  |
|                  |                                            | Gobo correction On  | 75-79   |                  |
|                  |                                            | All motor reset     | 80-84   |                  |
|                  |                                            | Scan motor reset    | 85-87   |                  |
|                  |                                            | Colours motor reset | 88-90   |                  |
|                  |                                            | Gobo motor reset    | 91-93   |                  |
|                  |                                            | Unused              | 94      |                  |
|                  |                                            | Head Heater Off     | 95      |                  |
|                  |                                            | Head Heater On      | 96      |                  |
|                  |                                            | Other motor reset   | 97-99   |                  |
|                  |                                            | Unused              | 100-255 |                  |
|                  |                                            | Prerig INIT Off     | 100-102 |                  |
|                  |                                            | Prerig INIT On      | 103-105 |                  |
|                  |                                            | P/T Speed FAST      | 106-108 |                  |
|                  |                                            | P/T Speed MED       | 109-111 |                  |
|                  |                                            | P/T Speed SLOW      | 112-114 |                  |
|                  |                                            | P/T Speed FS Mode   | 115-117 |                  |
|                  |                                            | unused              | 118-138 |                  |
|                  |                                            | Pan Degreee 540°    | 139-141 |                  |
|                  |                                            | Pan Degree 630°     | 142-144 |                  |
|                  |                                            | unused              | 145-255 |                  |

Errors and omissions for all information given in this DMX chart are possible.  
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