

HURACAN-X (from Software V201)

DMX channel's functions and their values (70DMX channels):

| Mode/Channel | | | Value | Function |
|--------------|-----------------------------------|---------|---------|--|
| St | Ba | Ex | | |
| 1 | 1 | 1 | | PAN Movement 8bit : |
| | | | 0-255 | Pan Movement |
| 2 | | 2 | | Pan Fine 16bit |
| | | | 0-255 | Fine control of Pan movement |
| 3 | 2 | 3 | | TILT Movement 8bit : |
| | | | 0-255 | Tilt Movement |
| 4 | | 4 | | Tilt Fine 16bit |
| | | | 0-255 | Fine control of Tilt movement |
| 5 | 3 | 5 | | Speed Pan/Tilt movement: |
| | | | 0-225 | max to min speed |
| | | | 226-235 | blackout by movement |
| | | | 236-245 | blackout by all wheel changing |
| 6 | 4 | 6 | 246-255 | no function |
| | | | | Shutter, strobe: |
| | | | 0-10 | Shutter closed |
| | | | 11-20 | No function (shutter open) |
| | | | 21-117 | Strobe effect slow to fast |
| | | | 118-126 | No function (shutter open) |
| | | | 127-180 | Pulse-effect in sequences |
| | | | 181-191 | No function (shutter open) |
| 192-245 | Random strobe effect slow to fast | | | |
| 7 | 5 | 7 | | Dimmer intensity: |
| | | | 0-255 | Intensity 0 to 100% |
| | | 8 | | Fine Dimmer intensity: |
| | | | 0-255 | Dimmer intensity fine |
| 8 | 6 | 9 | | Zoom : |
| | | | 0-255 | Zoom adjustment from small to big |
| | | 10 | | Zoom Fine: |
| | | | 0-255 | Zoom adjustment Fine |
| 9 | 7 | 11 | | Focus : |
| | | | 0-255 | Continuous adjustment from near to far |
| | | 12 | | Focus Fine: |
| | | | 0-255 | Continuous adjustment Fine |
| 10 | 8 | 13 | | Auto Focus : |
| | | | 0-50 | Auto Focus Off |
| | | | 51-100 | 5m |
| | | | 101-150 | 7.5m |
| | | | 151-200 | 10m |
| | | 201-255 | 15m | |
| 11 | 9 | 14 | | AutoFocus Fine: |
| | | | 0-255 | Continuous adjustment Fine |

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|---------|--|----|---------|---|
| 12 | 10 | 15 | | Color Wheel: |
| | | | 0-3 | Open / white |
| | | | 4-7 | Color 1 |
| | | | 8-11 | Color 2 |
| | | | 12-15 | Color 3 |
| | | | 16-19 | Color 4 |
| | | | 20-23 | Color 5 |
| | | | 24-27 | Color 6 |
| | | | 28-127 | Color indexing |
| | | | 128-189 | Backwards rainbow effect from fast to slow |
| 190-193 | No rotation | | | |
| 194-255 | Forwards rainbow effect from slow to fast | | | |
| | | 16 | | Color Wheel Fine: |
| | | 16 | 0-255 | Color Wheel colour change to any position Fine |
| 13 | 11 | 17 | | Cyan Color : |
| | | | 0-255 | Cyan (0-white, 255-100% Cyan) |
| | | 18 | | Cyan Color Fine : |
| | | 18 | 0-255 | Cyan Fine |
| 14 | 12 | 19 | | Magenta Color : |
| | | | 0-255 | Magenta (0-white, 255-100% magenta) |
| | | 20 | | Magenta Color Fine : |
| | | 20 | 0-255 | Magenta Fine |
| 15 | 13 | 21 | | Yellow Color : |
| | | | 0-255 | Yellow (0-white, 255-100% Yellow) |
| | | 22 | | Yellow Color Fine : |
| | | 22 | 0-255 | Yellow Fine |
| 16 | 14 | 23 | | CTO Color : |
| | | | 0-255 | CTO (0-white, 255-100% CTO) |
| | | 24 | | CTO Color Fine : |
| | | 24 | 0-255 | CTO Fine |
| 17 | 15 | 25 | | CTB Color : |
| | | | 0-255 | CTB (0-white, 255-100% CTO) |
| | | 26 | | CTB Color Fine : |
| | | 26 | 0-255 | CTB Fine |
| 18 | 16 | 27 | | CTP Color : |
| | | | 0-255 | CTP (0-white, 255-100% CTO) |
| | | 28 | | CTP Color Fine : |
| | | 28 | 0-255 | CTP Fine |
| 19 | 17 | 29 | | Color Presets: |
| | | | 0-255 | See Appendix |
| 20 | 18 | 30 | | Reserved |
| 21 | 19 | 31 | | Reserved |
| 22 | 20 | 32 | | Reserved |
| 23 | 21 | 33 | | Rotating gobos, cont. rotation 1: |
| | | | 0-9 | Open |
| | | | 10-19 | Rot. gobo 1 |
| | | | 20-29 | Rot. gobo 2 |
| | | | 30-39 | Rot. gobo 3 |
| | | | 40-49 | Rot. gobo 4 |
| | | | 50-59 | Rot. gobo 5 |
| | | | 60-69 | Rot. gobo 6 |
| | | | 70-77 | Rot. Gobo 7 |
| | | | 78-93 | Gobo 1 shake slow to fast |
| | | | 94-109 | Gobo 2 shake slow to fast |
| | | | 110-125 | Gobo 3 shake slow to fast |
| | | | 126-141 | Gobo 4 shake slow to fast |
| | | | 142-157 | Gobo 5 shake slow to fast |
| | | | 158-173 | Gobo 6 shake slow to fast |
| | | | 174-189 | Gobo 7 shake slow to fast |
| | | | 190-221 | Gobo wheel rotation backwards from fast to slow |
| | | | 222-223 | No rotation |
| 224-255 | Gobo wheel rotation forwards from slow to fast | | | |

| | | | | |
|---------|--|----|---------|--|
| 24 | 22 | 34 | | Rotating gobo index,rotating gobo rotation 1: |
| | | | 0-127 | Gobo indexing |
| | | | 128-189 | Forwards gobo rotation from fast to slow |
| | | | 190-193 | No rotation |
| | | | 194-255 | Backwards gobo rotation from slow to fast |
| | | 35 | | Rotating gobo indexing Fine 1: |
| | | | 0-255 | Fine indexing |
| 25 | 23 | 36 | | Rotating gobos, cont. rotation 2: |
| | | | 0-9 | Open |
| | | | 10-19 | Rot. gobo 1 |
| | | | 20-29 | Rot. gobo 2 |
| | | | 30-39 | Rot. gobo 3 |
| | | | 40-49 | Rot. gobo 4 |
| | | | 50-59 | Rot. gobo 5 |
| | | | 60-69 | Rot. gobo 6 |
| | | | 70-77 | Rot. Gobo 7 |
| | | | 78-93 | Gobo 1 shake slow to fast |
| | | | 94-109 | Gobo 2 shake slow to fast |
| | | | 110-125 | Gobo 3 shake slow to fast |
| | | | 126-141 | Gobo 4 shake slow to fast |
| | | | 142-157 | Gobo 5 shake slow to fast |
| | | | 158-173 | Gobo 6 shake slow to fast |
| 174-189 | Gobo 7 shake slow to fast | | | |
| 190-221 | Gobo wheel rotation backwards from fast to slow | | | |
| 222-223 | No rotation | | | |
| 224-255 | Gobo wheel rotation forwards from slow to fast | | | |
| 26 | 24 | 37 | | Rotating gobo index,rotating gobo rotation 2: |
| | | | 0-127 | Gobo indexing |
| | | | 128-189 | Forwards gobo rotation from fast to slow |
| | | | 190-193 | No rotation |
| | | | 194-255 | Backwards gobo rotation from slow to fast |
| | | 38 | | Rotating gobo indexing Fine 2: |
| | | | 0-255 | Fine indexing |
| 27 | 25 | 39 | | Animation wheel 1: |
| | | | 0-7 | No rotation |
| | | | 8-127 | Forwards rotation from fast to slow |
| | | | 128-135 | No rotation |
| | | | 136-255 | Backwards rotation from slow to fast |
| 28 | 26 | 40 | | Animation wheel 2: |
| | | | 0-255 | Animation indexing |
| 29 | 27 | 41 | | Rotating Animation wheel 2: |
| | | | 0-7 | No rotation |
| | | | 8-127 | Forwards rotation from fast to slow |
| | | | 128-135 | No rotation |
| | | | 136-255 | Backwards rotation from slow to fast |
| 30 | 28 | 42 | | Iris: |
| | | | 0-191 | Max. diameter to Min.diameter |
| | | | 192-223 | Pulse closing fast to slow |
| | | | 224-255 | Pulse opening slow to fast |
| | | 43 | | Iris Fine: |
| | | | 0-255 | Iris Fine |
| 31 | 29 | 44 | | Prism 1: |
| | | | 0-127 | Open |
| | | | 128-255 | 5-Facet Prism |
| 32 | 30 | 45 | | Rotating prism index, rotating prism rotation 1 |
| | | | 0-127 | Prism indexing |
| | | | 128-189 | Forwards prism rotation from fast to slow |
| | | | 190-193 | No rotation |
| | | | 194-255 | Backwards prism rotation from slow to fast |
| | | 46 | | Rotating prism indexing Fine 1: |
| | | | 0-255 | Fine indexing |

| | | | | |
|----|----|----|---------|--|
| 33 | 31 | 47 | | Prism 2: |
| | | | 0-127 | Open |
| | | | 128-255 | Linear Prism |
| 34 | 32 | 48 | | Rotating prism index, rotating prism rotation 2 |
| | | | 0-127 | Prism indexing |
| | | | 128-189 | Forwards prism rotation from fast to slow |
| | | | 190-193 | No rotation |
| | | | 194-255 | Backwards prism rotation from slow to fast |
| | | 49 | | Rotating prism indexing Fine 2: |
| | | | 0-255 | Fine indexing |
| 35 | 33 | 50 | | Frost 1: |
| | | | 0-255 | 0-100% |
| 36 | 34 | 51 | | Frost 2: |
| | | | 0-255 | 0-100% |
| 37 | 35 | 52 | | Blade 1A : |
| | | | 0-255 | Open to Close |
| | | 53 | | Blade 1A Fine : |
| | | | 0-255 | Open to Close Fine |
| 38 | 36 | 54 | | Blade 1B : |
| | | | 0-255 | Open to Close |
| | | 55 | | Blade 1B Fine : |
| | | | 0-255 | Open to Close Fine |
| 39 | 37 | 56 | | Blade 2A : |
| | | | 0-255 | Open to Close |
| | | 57 | | Blade 2A Fine : |
| | | | 0-255 | Open to Close Fine |
| 40 | 38 | 58 | | Blade 2B : |
| | | | 0-255 | Open to Close |
| | | 59 | | Blade 2B Fine : |
| | | | 0-255 | Open to Close Fine |
| 41 | 39 | 60 | | Blade 3A : |
| | | | 0-255 | Open to Close |
| | | 61 | | Blade 3A Fine : |
| | | | 0-255 | Open to Close Fine |
| 42 | 40 | 62 | | Blade 3B : |
| | | | 0-255 | Open to Close |
| | | 63 | | Blade 3B Fine : |
| | | | 0-255 | Open to Close Fine |
| 43 | 41 | 64 | | Blade 4A : |
| | | | 0-255 | Open to Close |
| | | 65 | | Blade 4A Fine : |
| | | | 0-255 | Open to Close Fine |
| 44 | 42 | 66 | | Blade 4B : |
| | | | 0-255 | Open to Close |
| | | 67 | | Blade 4B Fine : |
| | | | 0-255 | Open to Close Fine |
| 45 | 43 | 68 | | All Blade Rotation : |
| | | | 0-255 | All Blade Rotation |
| | | 69 | | All Blade Rotation Fine : |
| | | | 0-255 | All Blade Rotation Fine |

| | | | | |
|----|----|----|---------|---|
| 46 | 44 | 70 | | Control, reset, internal programs: |
| | | | 0-4 | unused |
| | | | 5-9 | Display Off |
| | | | 10-14 | Display On |
| | | | 15-19 | Display Invert Off |
| | | | 20-24 | Display Invert On |
| | | | 25-26 | Auto fan control mode |
| | | | 27-28 | Stage fan control mode |
| | | | 29-30 | Silence fan control mode |
| | | | 31-32 | Super Silence fan control mode |
| | | | 33-34 | Constant Fans Off |
| | | | 35-36 | Constant Fans On |
| | | | 37-44 | unused |
| | | | 45-49 | Square Law |
| | | | 50-54 | Linear |
| | | | 55-57 | 1.2K |
| | | | 58-60 | 2.4K |
| | | | 61-63 | 16K |
| | | | 64-69 | 25K |
| | | | 70-74 | Gobo correction Off |
| | | | 75-79 | Gobo correction On |
| | | | 80-84 | All motor reset |
| | | | 85-87 | Scan motor reset |
| | | | 88-90 | Colors motor reset |
| | | | 91-93 | Gobo motor reset |
| | | | 94 | unused |
| | | | 95 | Reset P/T Fade Off |
| | | | 96 | Reset P/T Fade On |
| | | | 97-99 | Other motor reset |
| | | | 100-102 | Frost Progressive Off |
| | | | 103-105 | Frost Progressive On |
| | | | 106-255 | unused |

Appendix:

| name (=DMX value) | color name |
|----------------------|----------------------|
| EC003 | LAVENDER TINT |
| EC004 | MEDIUM BASTARD AMBER |
| EC007 | PALE YELLOW |
| EC008 | DARK SALMON |
| EC009 | PALE AMBER GOLD |
| EC010 | MEDIUM YELLOW |
| EC013 | STRAW TINT |
| EC015 | DEEP STRAW |
| EC017 | SURPRISE PEACH |
| EC020 | MEDIUM AMBER |
| EC021 | GOLD AMBER |
| EC022 | DARK AMBER |
| EC024 | SCARLET |
| EC025 | SUNSET RED |
| EC026 | BRIGHT RED |
| EC029 | PALSA RED |
| EC035 | LIGHT PINK |
| EC036 | MEDIUM PINK |
| EC046 | DARK MAGENTA |
| EC048 | DARK PURPLE |
| EC052 | LIGHT LAVENDER |
| EC053 | PALE LAVENDER |
| EC058 | LAVENDER |
| EC063 | PALE BLUE |
| EC068 | SKY BLUE |
| EC071 | TOKIO BLUE |
| EC075 | EVENING BLUE |
| EC079 | JUST BLUE |
| EC085 | DEEPER BLUE |
| EC088 | LIME GREEN |
| EC089 | MOSS GREEN |
| EC090 | DARKYELLOW GREEN |
| EC100 | SPRING YELLOW |
| EC101 | YELLOW |
| EC102 | LIGHT AMBER |
| EC103 | STRAW |
| EC104 | DEEP AMBER |
| EC105 | ORANGE |
| EC106 | PRIMAY RED |
| EC107 | LIGHT ROSE |
| EC108 | ENGLISH ROSE |
| EC109 | LIGHT SALMON |
| EC110 | MIDDLE ROSE |
| EC111 | DARK PINK |
| EC113 | MAGENTA |
| EC116 | MEDIUM BLUE GREEN |
| EC118 | LIGHT BLUE |
| EC119 | DARK BLUE |
| EC120 | DEEP BLUE |
| EC124 | DARK GREEN |
| EC126 | MAUVE |
| EC127 | SMOKEY PINK |
| EC128 | BRIGHT PINK |
| EC132 | MEDIUM BLUE |
| EC134 | GOLDEN AMBER |
| EC136 | PALE LAVENDER |
| EC137 | SPECIAL LAVENDER |
| EC138 | PALE GREEN |
| EC139 | PRIMARY GREEN |
| EC140 | SUMMER BLUE |
| EC141 | BRIGHT BLUE |
| EC142 | PALE VIOLET |
| EC143 | PALE NAVY BLUE |
| EC147 | APRICOT |
| EC148 | BRIGHT ROSE |
| EC151 | GOLD TINT |
| EC152 | PALE GOLD |
| EC153 | PALE SALMON |
| EC154 | PALE ROSE |
| EC156 | CHOCOLATE |
| EC158 | DEEP ORANGE |
| EC159 | NO COLOR STRAW |
| EC161 | SLATE BLUE |
| EC162 | BASTARD AMBER |
| EC164 | FLAME RED |
| EC165 | DAYLIGHT BLUE |
| EC169 | LILAC TINT |
| EC170 | DEEP LAVENDER |
| EC172 | LAGOON BLUE |
| EC174 | DARK STEEL BLUE |
| EC176 | LOVING AMBER |
| EC179 | CHROME ORANGE |
| EC180 | DARK LAVENDER |
| EC181 | CONGO BLUE |
| EC182 | LIGHT RED |
| EC183 | MOONLIGHT BLUE |
| EC192 | FLESH PINK |
| EC193 | ROSY AMBER |
| EC194 | SURPRISE PINK |
| EC195 | ZENITH BLUE |
| EC196 | TRUE BLUE |
| EC197 | ALICE BLUE |
| EC198 | PALACE BLUE |