



# SUPERSHARPY SUPERSHARPY<sup>2</sup>



















DMX Channels  
12/2016

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| CHANNEL | CHANNEL MODE         |                      |
|---------|----------------------|----------------------|
|         | STANDARD             | VECTOR               |
| 1       | CYAN COLOUR WHEEL    | CYAN COLOUR WHEEL    |
| 2       | MAGENTA COLOUR WHEEL | MAGENTA COLOUR WHEEL |
| 3       | YELLOW COLOUR WHEEL  | YELLOW COLOUR WHEEL  |
| 4       | COLOUR 1             | COLOUR 1             |
| 5       | COLOUR 2             | COLOUR 2             |
| 6       | COLOUR 3             | COLOUR 3             |
| 7       | STOPPER / STROBE     | STOPPER / STROBE     |
| 8       | DIMMER               | DIMMER               |
| 9       | DIMMER FINE          | DIMMER FINE          |
| 10      | STATIC GOBO CHANGE   | STATIC GOBO CHANGE   |
| 11      | ROTATING GOBO SELECT | ROTATING GOBO SELECT |
| 12      | GOBO ROTATION        | GOBO ROTATION        |
| 13      | FINE GOBO ROTATION   | FINE GOBO ROTATION   |
| 14      | PRISM INSERTION      | PRISM INSERTION      |
| 15      | PRISM ROTATION       | PRISM ROTATION       |
| 16      | FROST                | FROST                |
| 17      | FOCUS                | FOCUS                |
| 18      | PAN                  | PAN                  |
| 19      | FINE PAN             | FINE PAN             |
| 20      | TILT                 | TILT                 |
| 21      | FINE TILT            | FINE TILT            |
| 22      | FUNCTION             | FUNCTION             |
| 23      | RESET                | RESET                |
| 24      | LAMP CONTROL         | LAMP CONTROL         |
| 25      | -                    | PAN-TILT TIME        |
| 26      | -                    | COLOUR TIME          |
| 27      | -                    | BEAM TIME            |
| 28      | -                    | GOBO TIME            |

| Channel Mode |                       | DMX Value | Function                          |
|--------------|-----------------------|-----------|-----------------------------------|
| Standard     | Vector                |           |                                   |
| 1            | 1                     |           | <b>CYAN COLOUR WHEEL</b>          |
|              |                       | 0 - 255   | Linear Cyan movement              |
| 2            | 2                     |           | <b>MAGENTA COLOUR WHEEL</b>       |
|              |                       | 0 - 255   | Linear Magenta movement           |
| 3            | 3                     |           | <b>YELLOW COLOUR WHEEL</b>        |
|              |                       | 0 - 255   | Linear Yellow movement            |
| 4            | 4                     |           | <b>COLOUR 1</b>                   |
|              |                       | 0         | Empty position                    |
|              |                       | 28        | Empty + Soft filter               |
|              |                       | 50        | Soft Filter                       |
|              |                       | 80        | Soft Filter + Lavender            |
|              |                       | 100       | Lavender                          |
|              |                       | 129       | Lavender + CTO 3200K              |
|              |                       | 150       | CTO 3200K                         |
|              |                       | 181       | CTO 3200K + CTO 2500K             |
|              |                       | 204       | CTO 2500K                         |
|              |                       | 235       | CTO 2500K + Blue Wood (UV Filter) |
| 255          | Blue Wood (UV Filter) |           |                                   |
| 5            | 5                     |           | <b>COLOUR 2</b>                   |
|              |                       | 0         | Empty position                    |
|              |                       | 28        | Empty + Dark Green                |
|              |                       | 50        | Dark Green                        |
|              |                       | 75        | Dark Green + CTB                  |
|              |                       | 100       | CTB                               |
|              |                       | 129       | CTB + Dark Blue                   |
|              |                       | 150       | Dark Blue                         |
|              |                       | 178       | Dark Blue + H.M. Green            |
|              |                       | 200       | H.M. Green                        |
|              |                       | 235       | H.M. Green + Dark Red             |
| 255          | Dark Red              |           |                                   |

| Channel Mode |          | DMX Value | Function   |
|--------------|----------|-----------|--|
| Standard     | Vector   |           |  |
| 6            | 6        |           | <b>COLOUR 3</b>  |
|              |          | 0         | Empty position   |
|              |          | 28        | Empty + Light Green  |
|              |          | 50        | Light Green  |
|              |          | 75        | Light Green + Pink   |
|              |          | 100       | Pink   |
|              |          | 129       | Pink + Aquamarine  |
|              |          | 150       | Aquamarine   |
|              |          | 178       | Aquamarine + Dark Orange   |
|              |          | 200       | Dark Orange  |
|              |          | 235       | Dark Orange + Light Orange   |
|              |          | 255       | Light Orange   |
| 7            | 7        |           | <b>STOPPER / STROBE</b>  |
|              |          | 0 - 3     | Light OFF  |
|              |          | 4 - 103   | Strobe at linearly variable frequency from low (1 flash/sec) to high (12 flashes/sec)  |
|              |          | 104 - 107 | Light ON   |
|              |          | 108 - 207 | Pulsation at linearly variable speed from slow (0.5 flash / sec) to fast (25 flashes/sec)  |
|              |          | 208 - 212 | Light ON   |
|              |          | 213 - 225 | Random Strobe at low frequency   |
|              |          | 226 - 238 | Random Strobe at medium frequency  |
|              |          | 239 - 251 | Random Strobe at high frequency  |
| 252 - 255    | Light ON |           |  |
| 8            | 8        |           | <b>DIMMER</b>  |
|              |          | 0 - 255   | Light output linearly increase from no-light to maximum brightness. Dimmer blades move from totally closed to totally open in 0.02 seconds at maximum speed. |
| 9            | 9        |           | <b>DIMMER FINE</b>   |
|              |          | 0 - 255   | Fine Dimmer positioning.   |

| Channel Mode |        | DMX Value | Function   |
|--------------|--------|-----------|--|
| Standard     | Vector |           |  |
| 10           | 10     |           | <b>STATIC GOBO CHANGE</b>  |
|              |        | 0         | Empty position   |
|              |        | 4         | Gobo 1                        |
|              |        | 8         | Gobo 2                        |
|              |        | 12        | Gobo 3                        |
|              |        | 16        | Gobo 4                        |
|              |        | 19        | Gobo 5                        |
|              |        | 23        | Gobo 6                        |
|              |        | 27        | Gobo 7                        |
|              |        | 31        | Gobo 8                        |
|              |        | 35        | Gobo 9                       |
|              |        | 38        | Gobo 10                     |
|              |        | 42        | Gobo 11                     |
|              |        | 46        | Gobo 12                     |
|              |        | 50        | Gobo 13                     |
|              |        | 54        | Gobo 14                     |
|              |        | 57        | Gobo 15                     |
|              |        | 61        | Gobo 16                     |
|              |        | 65        | Gobo 17                     |
|              |        | 69        | Gobo 18                     |
|              |        | 72 - 113  | Continuous gobo wheel clockwise rotation at linearly variable speed from fast (60 rpm) to slow (5 rpm)         |
|              |        | 114 - 117 | Stop rotation  |
|              |        | 118 - 159 | Continuous gobo wheel counter-clockwise rotation at linearly variable speed from slow (5 rpm) to fast (60 rpm) |

| Channel Mode |   | DMX Value | Function  |
|--------------|---|-----------|---|
| Standard     | Vector  |           |   |
| 10           | 10  | 160 - 165 | Gobo 1 shakes at variable speed from slow (24 bpm) to fast (600 bpm)                      |
|              |   | 166 - 170 | Gobo 2 shakes at variable speed from slow (24 bpm) to fast (600 bpm)                      |
|              |   | 171 - 175 | Gobo 3 shakes ...   |
|              |   | 176 - 181 | Gobo 4 shakes ...   |
|              |   | 182 - 186 | Gobo 5 shakes ...   |
|              |   | 187 - 191 | Gobo 6 shakes ...   |
|              |   | 192 - 197 | Gobo 7 shakes ...   |
|              |   | 198 - 202 | Gobo 8 shakes ...   |
|              |   | 203 - 207 | Gobo 9 shakes ...   |
|              |   | 208 - 214 | Gobo 10 shakes ...  |
|              |   | 215 - 218 | Gobo 11 shakes ...  |
|              |   | 219 - 223 | Gobo 12 shakes ...  |
|              |   | 224 - 229 | Gobo 13 shakes ...  |
|              |   | 230 - 234 | Gobo 14 shakes ...  |
|              |   | 235 - 239 | Gobo 15 shakes ...  |
|              |   | 240 - 245 | Gobo 16 shakes ...  |
|              |   | 246 - 250 | Gobo 17 shakes ...  |
|              |   | 251 - 255 | Gobo 18 shakes ...  |
| 11           | 11  |           | <b>ROTATING GOBO SELECT</b>   |
|              |   | 0 - 16    | Empty position  |
|              |   | 17 - 32   | Gobo 1  |
|              |   | 33 - 48   | Gobo 2  |
|              |   | 49 - 64   | Gobo 3  |
|              |   | 65 - 81   | Gobo 4  |
|              |   | 82 - 97   | Gobo 5  |
|              |   | 98 - 113  | Gobo 6  |
|              |   | 114 - 129 | Gobo 7  |
|              |   | 130 - 147 | Gobo 1 shakes at variable speed from slow (24 bpm) to fast (600 bpm)                      |
|              |   | 148 - 165 | Gobo 2 shakes at variable speed from slow (24 bpm) to fast (600 bpm)                      |
|              |   | 166 - 183 | Gobo 3 shakes ...   |
|              |   | 184 - 201 | Gobo 4 shakes ...   |
|              |   | 202 - 219 | Gobo 5 shakes ...   |
|              |   | 220 - 237 | Gobo 6 shakes ...   |
| 238 - 255    | Gobo 7 shakes ...   |           |   |
| 12           | 12  |           | <b>GOBO ROTATION</b>  |
|              |   | 0 - 21    | Gobo indexing: 0° to 90° range  |
|              |   | 21 - 42   | Gobo indexing: 90° to 180° range  |
|              |   | 42 - 63   | Gobo indexing: 180° to 270° range   |
|              |   | 63 - 84   | Gobo indexing: 270° to 360° range   |
|              |   | 84 - 105  | Gobo indexing: 360° to 450° range   |
|              |   | 105 - 127 | Gobo indexing: 450° to 540° range   |
|              |   | 128 - 190 | Continuous gobo rotation at linearly variable speed from fast (180 rpm) to slow (2.2 rph) |
|              |   | 191 - 192 | Stop rotation   |
| 193 - 255    | Continuous gobo rotation at linearly variable speed from slow (2.2 rpm) to fast (180 rpm) |           |   |
| 13           | 13  |           | <b>FINE GOBO ROTATION</b>   |
|              |   | 0 - 255   | Fine Gobo Indexing  |
| 14           | 14  |           | <b>PRISM INSERTION</b>  |
|              |   | 0 - 127   | Prism out   |
|              |   | 128 - 255 | Prism 8-facet into the light beam   |

| Channel Mode |        | DMX Value | Function   |
|--------------|--------|-----------|--|
| Standard     | Vector |           |  |
| 15           | 15     |           | <b>PRISM ROTATION</b>  |
|              |        | 0 - 21    | Prism indexing: 0° to 90° range  |
|              |        | 21 - 42   | Prism indexing: 90° to 180° range  |
|              |        | 42 - 63   | Prism indexing: 180° to 270° range   |
|              |        | 63 - 84   | Prism indexing: 270° to 360° range   |
|              |        | 84 - 105  | Prism indexing: 360° to 450° range   |
|              |        | 105 - 127 | Prism indexing: 450° to 540° range   |
|              |        | 128 - 190 | Continuous prism rotation at linearly variable speed from fast (43 rpm) to slow (1.1 rph)  |
|              |        | 191 - 192 | Stop rotation  |
|              |        | 193 - 255 | Continuous prism rotation at linearly variable speed from slow (1.1 rpm) to fast (43 rpm)  |
| 16           | 16     |           | <b>FROST</b>   |
|              |        | 0 - 255   | Frost moves linearly into the light beam<br>Frost blades move from no-diffusion to maximum diffusion in 0.02 seconds at maximum speed.                 |
| 17           | 17     |           | <b>FOCUS</b>   |
|              |        | 0 - 255   | Focus moves linearly from far to near position.<br>Focus lenses move from farthest to nearest position in 1.11 seconds at maximum speed.               |
| 18           | 18     |           | <b>PAN</b>   |
|              |        | 0 - 255   | Pan movement/positioning from 0° to 540° <ul style="list-style-type: none"> <li>• Fast Speed: 3.301 sec</li> <li>• Normal Speed: 4.038 sec</li> </ul>  |
| 19           | 19     |           | <b>FINE PAN</b>  |
|              |        | 0 - 255   | Fine Pan positioning   |
| 20           | 20     |           | <b>TILT</b>  |
|              |        | 0 - 255   | Tilt movement/positioning from 0° to 244° <ul style="list-style-type: none"> <li>• Fast Speed: 2.060 sec</li> <li>• Normal Speed: 2.274 sec</li> </ul> |
| 21           | 21     |           | <b>FINE TILT</b>   |
|              |        | 0 - 255   | Fine Tilt positioning  |
| 22           | 22     |           | <b>FUNCTION</b>  |
|              |        | 0 - 11    | Unused range   |
|              |        | 12 - 24   | Fast Pan / Tilt speed (default)  |
|              |        | 25 - 37   | Normal Pan / Tilt speed  |
|              |        | 63 - 75   | CMY Full Range (default)   |
|              |        | 76 - 87   | CMY Limited range  |
|              |        | 88 - 101  | CMY shortcut ON (default)  |
|              |        | 102 - 114 | CMY shortcut OFF   |
|              |        | 115 - 255 | Free   |
|              |        |           | The functions are activated/selected passing through the unused levels range and staying in the necessary range for 5 seconds.                         |

| Channel Mode |        | DMX Value | Function   |
|--------------|--------|-----------|--|
| Standard     | Vector |           |  |
| 23           | 23     |           | <b>RESET</b>   |
|              |        | 0 - 25    | Unused range   |
|              |        | 26 - 76   | Zoom Reset<br>Zoom Reset sequence is activated passing through the unused levels range and staying in this range for 5 seconds |
|              |        | 77 - 127  | Pan / Tilt Reset<br>Pan/Tilt Reset sequence passing through the unused levels range and staying in this range for 5 seconds.   |
|              |        | 128 - 255 | Complete Reset<br>All-effects Reset sequence passing through the unused levels range and staying in this range for 5 seconds.  |
| 24           | 24     |           | <b>LAMP CONTROL</b>  |
|              |        | 0 - 25    | Unused range   |
|              |        | 26 - 100  | Lamp OFF<br>Lamp switch-off passing through the unused levels range and staying in this range for 5 seconds.                   |
|              |        | 101 - 255 | Lamp ON<br>Lamp switch-on passing through the unused levels range and staying in this range for 5 seconds.                     |
| -            | 25     |           | <b>PAN-TILT TIME</b><br>Pan - Fine Pan - Tilt - Fine Tilt  |
| -            | 26     |           | <b>COLOUR TIME</b><br>Cyan - Magenta - Yellow  |
| -            | 27     |           | <b>BEAM TIME</b><br>Dimmer - Frost – Prism – Focus   |
| -            | 28     |           | <b>GOBO TIME</b><br>Static Gobo – Rotating Gobo  |

### IMPORTANT

To prevent accidental breakage of the effects, which could collide with each others during transport, before switching the projector OFF, check that all the fixture Channels have been excluded (DMX level = 0 bit.).

Remember to "Switch-Off" the bulb, before to "Switch-Off" the fixture.

## VECTOR MODE TIME TABLE

| BIT | Seconds | BIT | Seconds | BIT | Seconds | BIT | Seconds | BIT | Seconds | BIT | Seconds         |
|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|-----------------|
| 0   | Full    | 43  | 8.6     | 86  |         | 129 |         | 172 |         | 216 |                 |
| 1   | 0.2     | 44  | 8.8     | 87  | 24      | 130 | 41      | 173 | 58      | 217 | 170             |
| 2   | 0.4     | 45  | 9       | 88  |         | 131 |         | 174 |         | 218 |                 |
| 3   | 0.6     | 46  | 9.2     | 89  | 25      | 132 | 42      | 175 | 59      | 219 | 180             |
| 4   | 0.8     | 47  | 9.4     | 90  |         | 133 |         | 176 |         | 220 |                 |
| 5   | 1       | 48  | 9.6     | 91  | 26      | 134 | 43      | 177 | 60      | 221 | 190             |
| 6   | 1.2     | 49  | 9.8     | 92  |         | 135 |         | 178 |         | 222 |                 |
| 7   | 1.4     | 50  | 10      | 93  | 27      | 136 | 44      | 179 | 65      | 223 | 200             |
| 8   | 1.6     | 51  | 10.2    | 94  |         | 137 |         | 180 |         | 224 |                 |
| 9   | 1.8     | 52  | 10.4    | 95  | 28      | 138 | 45      | 181 | 70      | 225 | 210             |
| 10  | 2       | 53  | 10.6    | 96  |         | 139 |         | 182 |         | 226 |                 |
| 11  | 2.2     | 54  | 11      | 97  | 29      | 140 | 46      | 183 | 75      | 227 | 220             |
| 12  | 2.4     | 55  | 12      | 98  |         | 141 |         | 184 |         | 228 |                 |
| 13  | 2.6     | 56  | 13      | 99  | 30      | 142 | 47      | 185 | 80      | 229 | 230             |
| 14  | 2.8     | 57  | 14      | 100 |         | 143 |         | 186 |         | 230 |                 |
| 15  | 3       | 58  | 15      | 101 | 31      | 144 | 48      | 187 | 85      | 231 | 240             |
| 16  | 3.2     | 59  | 16      | 102 |         | 145 |         | 188 |         | 232 |                 |
| 17  | 3.4     | 60  | 17      | 103 | 32      | 146 | 49      | 189 | 90      | 233 | 250             |
| 18  | 3.6     | 61  | 18      | 104 |         | 147 |         | 190 |         | 234 |                 |
| 19  | 3.8     | 62  | 19      | 105 | 33      | 148 | 50      | 191 | 95      | 235 | 260             |
| 20  | 4       | 63  | 20      | 106 |         | 149 |         | 192 |         | 236 |                 |
| 21  | 4.2     | 64  | 21      | 107 | 34      | 150 | 51      | 193 | 100     | 237 | 270             |
| 22  | 4.4     | 65  | 22      | 108 |         | 151 |         | 194 |         | 238 |                 |
| 23  | 4.6     | 66  | 23      | 109 | 35      | 152 | 52      | 195 | 110     | 239 | 280             |
| 24  | 4.8     | 67  | 24      | 110 |         | 153 |         | 196 |         | 240 |                 |
| 25  | 5       | 68  | 25      | 111 | 36      | 154 | 53      | 197 | 120     | 241 | 290             |
| 26  | 5.2     | 69  | 26      | 112 |         | 155 |         | 198 |         | 242 |                 |
| 27  | 5.4     | 70  | 27      | 113 | 37      | 156 | 54      | 199 | 130     | 243 | 300             |
| 28  | 5.6     | 71  | 28      | 114 |         | 157 |         | 200 |         | 244 |                 |
| 29  | 5.8     | 72  | 29      | 115 | 38      | 158 | 55      | 201 | 140     | 245 | 280             |
| 30  | 6       | 73  | 30      | 116 |         | 159 |         | 202 |         | 246 |                 |
| 31  | 6.2     | 74  | 31      | 117 | 39      | 160 | 56      | 203 | 150     | 247 | 290             |
| 32  | 6.4     | 75  | 32      | 118 |         | 161 |         | 204 |         | 248 |                 |
| 33  | 6.6     | 76  | 33      | 119 | 40      | 162 | 57      | 205 | 160     | 249 | 300             |
| 34  | 6.8     | 77  | 34      | 120 |         | 163 |         | 206 |         | 250 |                 |
| 35  | 7       | 78  | 35      | 121 | 41      | 164 | 58      | 207 | 170     | 251 | 310             |
| 36  | 7.2     | 79  | 36      | 122 |         | 165 |         | 208 |         | 252 |                 |
| 37  | 7.4     | 80  | 37      | 123 | 42      | 166 | 59      | 209 | 180     | 253 | 310             |
| 38  | 7.6     | 81  | 38      | 124 |         | 167 |         | 210 |         | 254 |                 |
| 39  | 7.8     | 82  | 39      | 125 | 43      | 168 | 60      | 211 | 190     | 255 | Follow cue Data |
| 40  | 8       | 83  | 40      | 126 |         | 169 |         | 212 |         |     |                 |
| 41  | 8.2     | 84  | 41      | 127 | 44      | 170 | 61      | 213 | 200     |     |                 |
| 42  | 8.4     | 85  | 42      | 128 |         | 171 |         | 214 |         |     |                 |
|     |         |     |         |     |         |     |         | 215 |         |     |                 |