

CHANNEL FUNCTION

SHARPY WASH 330

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

| CHANNEL | DMX Modality | |
|---------|-----------------------|-----------------------|
| | STANDARD | VECTOR |
| 1 | CYAN | CYAN |
| 2 | MAGENTA | MAGENTA |
| 3 | YELLOW | YELLOW |
| 4 | COLOUR WHEEL | COLOUR WHEEL |
| 5 | STOP / STROBE | STOP / STROBE |
| 6 | DIMMER | DIMMER |
| 7 | DIMMER FINE | DIMMER FINE |
| 8 | BEAM SHAPER INSERTION | BEAM SHAPER INSERTION |
| 9 | BEAM SHAPER ROTATION | BEAM SHAPER ROTATION |
| 10 | HEAVY FROST | HEAVY FROST |
| 11 | LIGHT FROST | LIGHT FROST |
| 12 | ZOOM | ZOOM |
| 13 | PAN | PAN |
| 14 | PAN FINE | PAN FINE |
| 15 | TILT | TILT |
| 16 | TILT FINE | TILT FINE |
| 17 | FUNCTION | FUNCTION |
| 18 | RESET | RESET |
| 19 | LAMP ON/OFF | LAMP ON/OFF |
| 20 | | PAN - TILT TIME |
| 21 | | COLOUR TIME |
| 22 | | BEAM TIM |

NOTE: On conclusion of resetting in case of absence of DMX signal, Pan & Tilt move to the "Home" position (Pan 128 bit - Tilt 128 bit) all the others channels stay at 0 bit.

• COLOUR MIXING - channel 1 - 2 - 3

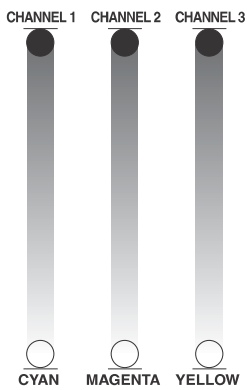
Operation with option color mixing: RGB



| BIT | EFFECT |
|-----|-----------------|
| 255 | COLOUR EXCLUDED |
| 0 | COLOUR INSERTED |

IMPORTANT: The lamp dim to half power 1 second after all the 3 channels stay at 0 bit level. The lamp goes back to full power when the channels level is put higher than 0 bit.

Operation with option color mixing: CMY



| BIT | EFFECT |
|-----|-----------------|
| 255 | COLOUR INSERTED |
| 0 | COLOUR EXCLUDED |

IMPORTANT: The lamp dim to half power 1 second after all the 3 channels stay at 255 bit level. The lamp goes back to full power when the channels level is put lower than 255 bit.

• COLOUR WHEEL - channel 4



| BIT | EFFECT |
|---------|---------------------------------|
| 255 | FAST ROTATION (RIGHT DIRECTION) |
| 193 | SLOW ROTATION (RIGHT DIRECTION) |
| 191-192 | STOP ROTATION |
| 190 | SLOW ROTATION (LEFT DIRECTION) |
| 128 | FAST ROTATION (LEFT DIRECTION) |
| 123 | BLUE + WHITE |
| 118 | BLUE |
| 112 | HALF MINUS GREEN + BLUE |
| 107 | HALF MINUS GREEN |
| 102 | TC 190 + HALF MINUS GREEN |
| 96 | TC 190 |
| 91 | TC 260 + TC 190 |
| 86 | TC 260 |
| 80 | UV FILTER + TC260 |
| 75 | UV FILTER |
| 70 | PINK + UV FILTER |
| 64 | PINK |
| 59 | LIGHT GREEN + PINK |
| 54 | LIGHT GREEN |
| 48 | GREEN + LIGHT GREEN |
| 43 | GREEN |
| 38 | AQUAMARINE + GREEN |
| 32 | AQUAMARINE |
| 27 | ORANGE + AQUAMARINE |
| 22 | ORANGE |
| 16 | RED + ORANGE |
| 11 | RED |
| 6 | WHITE + RED |
| 0 | WHITE |

• STOP / STROBE - channel 5



| BIT | EFFECT |
|-----------|----------------------|
| 252 - 255 | OPEN |
| 239 - 251 | RANDOM FAST STROBE |
| 226 - 238 | RANDOM MEDIUM STROBE |
| 213 - 225 | RANDOM SLOW STROBE |
| 208 - 212 | OPEN |
| 207 | FAST PULSATION |
| 108 | SLOW PULSATION |
| 104 - 107 | OPEN |
| 103 | FAST STROBE |
| 4 | SLOW STROBE |
| 0 - 3 | CLOSED |

• DIMMER - channel 6



| BIT | EFFECT |
|-----|---------------|
| 255 | DIMMER OPEN |
| 0 | DIMMER CLOSED |

• DIMMER FINE - channel 7



| BIT | EFFECT |
|-----|--------|
| 255 | |
| 0 | |

• BEAM SHAPER INSERTION - channel 8

| BIT | EFFECT |
|-----|--------|
| 255 | |
| 128 | |
| 127 | |
| 0 | |

• BEAM SHAPER ROTATION - channel 9



| BIT | EFFECT |
|-----------|---------------|
| 255 | FAST ROTATION |
| 193 | SLOW ROTATION |
| 191 - 192 | STOP |
| 190 | SLOW ROTATION |
| 128 | FAST ROTATION |
| 127 | POSITION 540° |
| 105 | POSITION 450° |
| 84 | POSITION 360° |
| 63 | POSITION 270° |
| 42 | POSITION 180° |
| 21 | POSITION 90° |
| 0 | POSITION 0° |

• HEAVY FROST - channel 10



| BIT | EFFECT |
|-----|----------------|
| 255 | FROST INSERTED |
| 0 | FROST EXCLUDED |

• LIGHT FROST - channel 11



| BIT | EFFECT |
|-----|----------------|
| 255 | FROST INSERTED |
| 0 | FROST EXCLUDED |

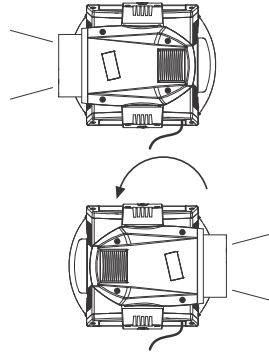
• ZOOM - channel 12



| BIT | EFFECT |
|-----|-------------|
| 255 | WIDE BEAM |
| 0 | NARROW BEAM |

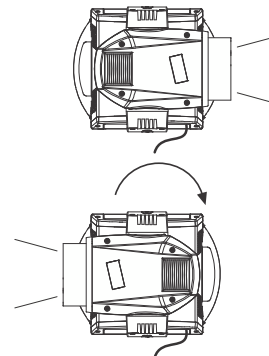
• PAN - channel 13

Operation with option InvertPan \diamond Off
(Tilt conventionally represented at 35 bit and option Invert Tilt \diamond Off)



| BIT |
|-----|
| 255 |
| 0 |

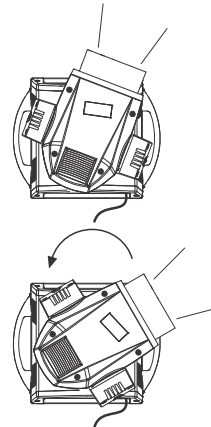
Operation with option InvertPan \diamond On
(Tilt conventionally represented at 35 bit and option Invert Tilt \diamond Off)



| BIT |
|-----|
| 255 |
| 0 |

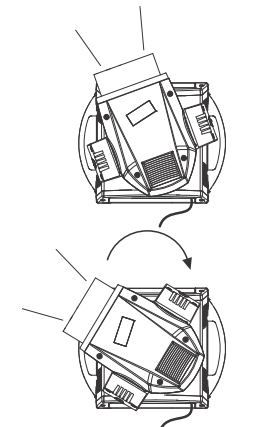
• PAN FINE - channel 14

Operation with option InvertPan \diamond Off
(Tilt conventionally represented at 35 bit and option Invert Tilt \diamond Off)



| BIT |
|-----|
| 255 |
| 0 |

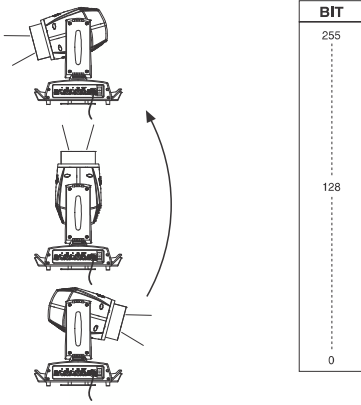
Operation with option InvertPan \diamond On
(Tilt conventionally represented at 35 bit and option Invert Tilt \diamond Off)



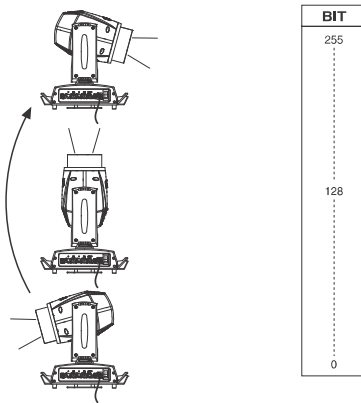
| BIT |
|-----|
| 255 |
| 0 |

• **TILT - channel 15**

Operation with option Invert Tilt ◊ Off
(Pan conventionally represented at 0 bit and option Invert Pan ◊ Off)

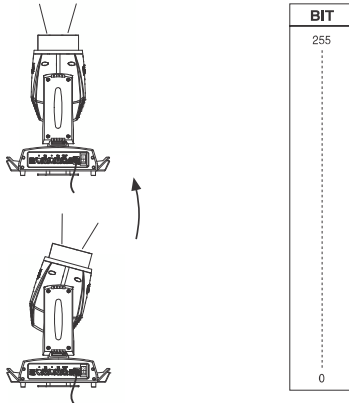


Operation with option Invert Tilt ◊ On
(Pan conventionally represented at 0 bit and option Invert Pan ◊ Off)

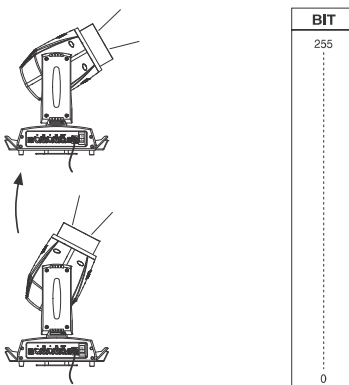


• **TILT FINE - channel 16**

Operation with option Invert Tilt ◊ Off
(Pan conventionally represented at 0 bit and option Invert Pan ◊ Off)



Operation with option Invert Tilt ◊ On
(Pan conventionally represented at 0 bit and option Invert Pan ◊ Off)



• **FUNCTION - channel: 17**

| BIT | EFFECT | |
|---------|--------------|---------------------------|
| 255 | FREE | |
| 115 | | |
| 102-114 | | CMY shortcut OFF |
| 88-101 | | CMY shortcut ON (default) |
| 76-87 | | CMY CURVE FUNCTION |
| 63-75 | | |
| 51-62 | | DIMMER CURVE FUNCTION |
| 38-50 | | |
| 25-37 | | PAN-TILT FUNCTION |
| 12-24 | | |
| 0-11 | UNUSED RANGE | |

The functions are activated passing through the unused range and staying 5 seconds in necessary level.

• **RESET - channel: 18**

| BIT | EFFECT |
|-------|--|
| 255 | COMPLETE RESET |
| | Complete reset is activated passing through the unused range and staying 5 seconds in complete reset levels. |
| 128 | COMPLETE RESET |
| 127 | PAN / TILT RESET |
| | Pan / Tilt reset is activated passing through the unused range and staying 5 seconds in Pan / Tilt reset levels. |
| 77 | PAN / TILT RESET |
| 76 | EFFECTS RESET |
| | Effects reset is activated passing through the unused range and staying 5 seconds in Effects reset levels. |
| 26 | EFFECTS RESET |
| 25 | UNUSED RANGE |
| 0 | |

The functions are activated passing through the unused range and staying 5 seconds in necessary level.

• **LAMP CONTROL (only with option LAMP DMX On) - channel: 19**

IMPORTANT: SHARPY is not provided with hot restrike ignition



| BIT | EFFECT |
|-------|--|
| 255 | LAMP ON |
| | Lamp switch-on passing through the unused range and staying 5 sec in Lamp ON levels. |
| 101 | LAMP ON |
| 100 | LAMP OFF |
| | Lamp switch off passing through the unused range and staying 5 s in Lamp OFF levels. |
| 26 | LAMP OFF |
| 25 | UNUSED RANGE |
| 0 | |

The functions are activated passing through the unused range and staying 5 seconds in necessary level.

TIMING CHANNELS

| | Timing Channel | Channel function |
|----|-----------------|-------------------------------------|
| 20 | Pan - Tilt time | Pan - Tilt - (Pan fine - Tilt fine) |
| 21 | Colour time | Colour wheel - CTO |
| 22 | Beam time | Dimmer - Frost |

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 | | 219 | 180 |
| 4 | 0.8 | 47 | 9.4 | 90 | | 133 | | 176 | 59 | 220 | |
| 5 | 1 | 48 | 9.6 | 91 | 26 | 134 | 43 | 177 | | 221 | 190 |
| 6 | 1.2 | 49 | 9.8 | 92 | | 135 | | 178 | 60 | 222 | |
| 7 | 1.4 | 50 | 10 | 93 | 27 | 136 | 44 | 179 | | 223 | 200 |
| 8 | 1.6 | 51 | 10.2 | 94 | | 137 | | 180 | 65 | 224 | 200 |
| 9 | 1.8 | 52 | 10.4 | 95 | 28 | 138 | 45 | 181 | | 225 | |
| 10 | 2 | 53 | 10.6 | 96 | | 139 | | 182 | 70 | 226 | 210 |
| 11 | 2.2 | 54 | 11 | 97 | 29 | 140 | 46 | 183 | | 227 | |
| 12 | 2.4 | 55 | 12 | 98 | | 141 | | 184 | 75 | 228 | 210 |
| 13 | 2.6 | 56 | 13 | 99 | 30 | 142 | 47 | 185 | | 229 | 220 |
| 14 | 2.8 | 57 | 14 | 100 | | 143 | | 186 | 80 | 230 | 220 |
| 15 | 3 | 58 | 15 | 101 | 31 | 144 | 48 | 187 | | 231 | 230 |
| 16 | 3.2 | 59 | 16 | 102 | | 145 | | 188 | 85 | 232 | 230 |
| 17 | 3.4 | 60 | 17 | 103 | 32 | 146 | 49 | 189 | | 233 | 240 |
| 18 | 3.6 | 61 | 18 | 104 | | 147 | | 190 | 90 | 234 | 240 |
| 19 | 3.8 | 62 | 19 | 105 | 33 | 148 | 50 | 191 | | 235 | 240 |
| 20 | 4 | 63 | 20 | 106 | | 149 | | 192 | 95 | 236 | 250 |
| 21 | 4.2 | 64 | 21 | 107 | 34 | 150 | 51 | 193 | | 237 | 250 |
| 22 | 4.4 | 65 | 22 | 108 | | 151 | | 194 | 100 | 238 | 250 |
| 23 | 4.6 | 66 | 23 | 109 | 35 | 152 | 52 | 195 | | 239 | 260 |
| 24 | 4.8 | 67 | 24 | 110 | | 153 | | 196 | 110 | 240 | 260 |
| 25 | 5 | 68 | 25 | 111 | 36 | 154 | 53 | 197 | | 241 | 270 |
| 26 | 5.2 | 69 | 26 | 112 | | 155 | | 198 | 120 | 242 | 270 |
| 27 | 5.4 | 70 | 27 | 113 | 37 | 156 | 54 | 199 | | 243 | 280 |
| 28 | 5.6 | 71 | 28 | 114 | | 157 | | 200 | 130 | 244 | 280 |
| 29 | 5.8 | 72 | 29 | 115 | 38 | 158 | 55 | 201 | | 245 | 290 |
| 30 | 6 | 73 | 30 | 116 | | 159 | | 202 | 140 | 246 | 290 |
| 31 | 6.2 | 74 | 31 | 117 | 39 | 160 | 56 | 203 | | 247 | 290 |
| 32 | 6.4 | 75 | 32 | 118 | | 161 | | 204 | 150 | 248 | 300 |
| 33 | 6.6 | 76 | 33 | 119 | 40 | 162 | 57 | 205 | | 249 | 300 |
| 34 | 6.8 | 77 | 34 | 120 | | 163 | | 206 | 160 | 250 | 310 |
| 35 | 7 | 78 | 35 | 121 | 41 | 164 | 58 | 207 | | 251 | 310 |
| 36 | 7.2 | 79 | 36 | 122 | | 165 | | 208 | 170 | 252 | 310 |
| 37 | 7.4 | 80 | 37 | 123 | 42 | 166 | 59 | 209 | | 253 | 310 |
| 38 | 7.6 | 81 | 38 | 124 | | 167 | | 210 | 180 | 254 | 310 |
| 39 | 7.8 | 82 | 39 | 125 | 43 | 168 | 60 | 211 | | 255 | Follow cue 01/13 |
| 40 | 8 | 83 | 40 | 126 | | 169 | | 212 | | | |
| 41 | 8.2 | 84 | 41 | 127 | 44 | 170 | 61 | 213 | | | |
| 42 | 8.4 | 85 | 42 | 128 | | 171 | | 214 | 190 | | |
| | | | | | | | | 215 | | | |