

CHANNEL FUNCTION

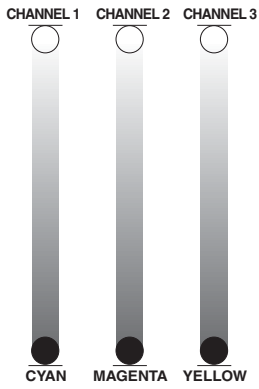
ALPHA WASH 1500 LT

| CHANNEL | Dmx MODALITY | |
|---------|------------------------------------------|------------------------------------------|
| | STANDARD | VECTOR |
| 1 | CYAN | CYAN |
| 2 | MAGENTA | MAGENTA |
| 3 | YELLOW | YELLOW |
| 4 | C.T.O. | C.T.O. |
| 5 | COLOUR WHEEL | COLOUR WHEEL |
| 6 | STOP / STROBE | STOP / STROBE |
| 7 | DIMMER | DIMMER |
| 8 | DIMMER FINE | DIMMER FINE |
| 9 | BEAM SHAPER INSERTION | BEAM SHAPER INSERTION |
| 10 | BEAM SHAPER ROTATION | BEAM SHAPER ROTATION |
| 11 | BEAM SHAPER MOVEMENT | BEAM SHAPER MOVEMENT |
| 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 CONTROL (with Option "Lamp DMX" ON) | LAMP CONTROL (with Option "Lamp DMX" ON) |
| 20 | | PAN - TILT TIME |
| 21 | | COLOUR TIME |
| 22 | | BEAM TIME |

NOTE: On conclusion of resetting in case of absence of DMX signal, Pan & Tilt move to the "Home" position (Pan 50% - Tilt 50%) all the others channels stay at 0%.

• COLOUR MIXING - channel 1 - 2 - 3

Operation with option color mixing: RGB



| BIT | % | EFFECT |
|-------|-------|-----------------|
| 255 | 100 | COLOUR EXCLUDED |
| | | |
| 0 | 0.0 | COLOUR INSERTED |

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

Operation with option color mixing: CMY



| BIT | % | EFFECT |
|-------|-------|-----------------|
| 255 | 100 | COLOUR INSERTED |
| | | |
| 0 | 0.0 | COLOUR EXCLUDED |

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

• C.T.O. - channel 4



| BIT | % | EFFECT |
|-------|-------|-----------------|
| 255 | 100 | FILTER INSERTED |
| | | |
| 0 | 0.0 | FILTER EXCLUDED |

• COLOUR WHEEL - channel 5



| BIT | % | EFFECT |
|-------|-------|-----------------------|
| 255 | 100 | FAST ROTATION 160 rpm |
| | | |
| 128 | 50.0 | SLOW ROTATION 0.2rpm |
| 117 | 46.0 | BLUE |
| 97 | 38.0 | ORANGE |
| 77 | 30.0 | AQUAMARINE |
| 58 | 23.0 | GREEN |
| 39 | 15.0 | CTO 3200 |
| 20 | 8.0 | RED |
| 0 | 0.0 | WHITE |

• STOP / STROBE - channel 6



| BIT | % | EFFECT |
|-----------|-------------|----------------------------|
| 252 - 255 | 98.7 - 100 | OPEN |
| 239 - 251 | 93.7 - 98.2 | RANDOM FAST STROBE |
| 226 - 238 | 88.7 - 93.2 | RANDOM MEDIUM STROBE |
| 213 - 225 | 83.7 - 88.2 | RANDOM SLOW STROBE |
| 208 - 212 | 81.7 - 83.2 | OPEN |
| 207 | 81.2 | FAST PULSATION |
| | | |
| 108 | 42.5 | SLOW PULSATION |
| 104 - 107 | 41.0 - 42.0 | OPEN |
| 103 | 40.5 | FAST STROBE (12 flash/sec) |
| | | |
| 4 | 1.7 | SLOW STROBE (1 flash/sec) |
| 0 - 3 | 0.0 - 1.2 | CLOSED |

IMPORTANT: The lamp dim to half power 1 seconds after the channel stay at 0% level. The lamp goes back to full power when the channel level is put higher than 0%.

• DIMMER - channel 7



| BIT | % | EFFECT |
|-------|-------|--------|
| 255 | 100 | |
| | | |
| 0 | 0.0 | |

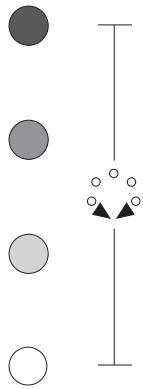
The lamp is linearly dimmed from full power to half power electronically and mechanically from half power to off.

• DIMMER FINE - channel 8



| BIT | % | EFFECT |
|-------|-------|--------|
| 255 | 100 | |
| | | |
| 0 | 0.0 | |

• BEAM SHAPER INSERTION - channel 9



| BIT | % | EFFECT |
|---------|-----------|-------------|
| 192-255 | 75.0-100 | OVALIZER |
| 128-191 | 50.0-74.7 | U.V. FILTER |
| 64-127 | 25.0-49.7 | PRISM |
| 0-63 | 0.0-24.7 | WHITE |

• BEAM SHAPER ROTATION - channel 10



| BIT | % | EFFECT |
|-----------|-------------|-------------------------|
| 255 | 100 | FAST ROTATION (120 rpm) |
| 193 | 75.5 | SLOW ROTATION (3 rph) |
| 191 - 192 | 74.7 - 75.0 | STOP |
| 190 | 74.2 | SLOW ROTATION (3 rph) |
| 128 | 50.0 | FAST ROTATION (120 rpm) |
| 127 | 49.7 | POSITION 540° |
| 105 | 41.7 | POSITION 450° |
| 84 | 33.0 | POSITION 360° |
| 63 | 24.7 | POSITION 270° |
| 42 | 16.2 | POSITION 180° |
| 21 | 8.2 | POSITION 90° |
| 0 | 0.0 | POSITION 0° |

• BEAM SHAPER MOVEMENT - channel 11

| BIT | % | EFFECT |
|-----|-----|-------------|
| 255 | 100 | WIDE BEAM |
| 0 | 0.0 | NARROW BEAM |

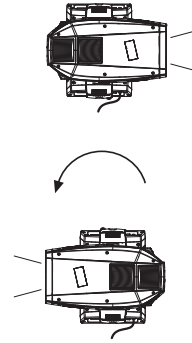
• ZOOM - channel 12



| BIT | % | EFFECT |
|-----|-----|-------------|
| 255 | 100 | WIDE BEAM |
| 0 | 0.0 | NARROW BEAM |

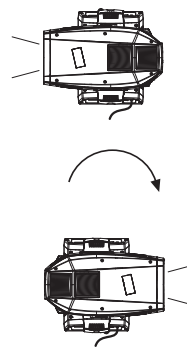
• PAN - channel 13

Operation with option InvertPan \diamond Off
(Tilt conventionally represented at 14% and option Invert Tilt \diamond Off)



| BIT | % |
|-----|-----|
| 255 | 100 |
| 0 | 0.0 |

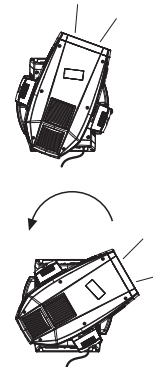
Operation with option InvertPan \diamond On
(Tilt conventionally represented at 14% and option Invert Tilt \diamond Off)



| BIT | % |
|-----|-----|
| 255 | 100 |
| 0 | 0.0 |

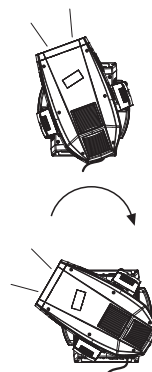
• PAN FINE - channel 14

Operation with option InvertPan \diamond Off
(Tilt conventionally represented at 14% and option Invert Tilt \diamond Off)



| BIT | % |
|-----|-----|
| 255 | 100 |
| 0 | 0.0 |

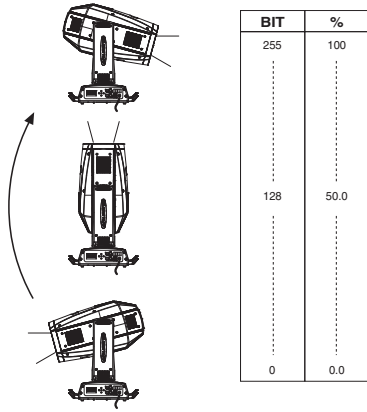
Operation with option InvertPan \diamond On
(Tilt conventionally represented at 14% and option Invert Tilt \diamond Off)



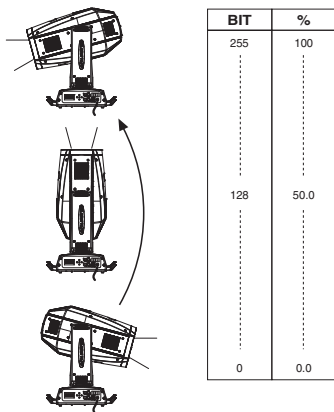
| BIT | % |
|-----|-----|
| 255 | 100 |
| 0 | 0.0 |

• **TILT - channel 15**

Operation with option Invert Tilt \diamond Off
(Pan conventionally represented at 0% and option Invert Pan \diamond Off)

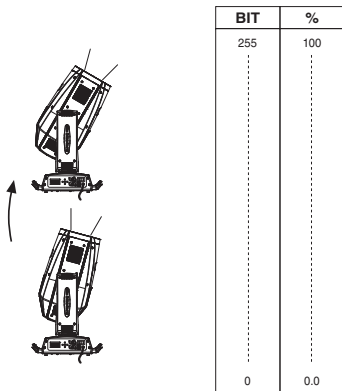


Operation with option Invert Tilt \diamond On
(Pan conventionally represented at 0% and option Invert Pan \diamond Off)

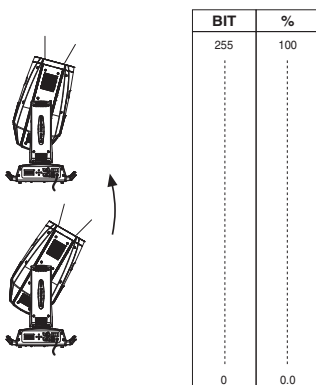


• **TILT FINE - channel 16**

Operation with option Invert Tilt \diamond Off
(Pan conventionally represented at 0% and option Invert Pan \diamond Off)



Operation with option Invert Tilt \diamond On
(Pan conventionally represented at 0% and option Invert Pan \diamond Off)



• **FUNCTION - channel: 17**

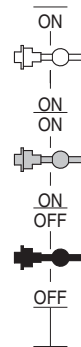
| BIT | % | EFFECT | |
|-------|-----------|-------------------|-----------------------|
| 255 | 100 | UNUSED RANGE | |
| ... | ... | | |
| 63 | 24.7 | | |
| 51-62 | 20.0-24.2 | | DIMMER CURVE FUNCTION |
| 38-50 | 14.7-19.5 | | |
| 25-37 | 9.7-14.2 | PAN-TILT FUNCTION | |
| 12-24 | 4.7-9.5 | | NORMAL |
| 0-11 | 0.0-4.2 | FAST (Default) | |
| ... | ... | UNUSED RANGE | |

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

• **RESET - channel: 18**

| BIT | % | EFFECT |
|-----|------|------------------------------------------------------------------------------------------------------------------|
| 255 | 100 | COMPLETE RESET |
| ... | ... | Complete reset is activated passing through the unused range and staying 5 seconds in complete reset levels. |
| 128 | 50.0 | COMPLETE RESET |
| 127 | 49.7 | PAN / TILT RESET |
| ... | ... | Pan / Tilt reset is activated passing through the unused range and staying 5 seconds in Pan / Tilt reset levels. |
| 77 | 30.0 | PAN / TILT RESET |
| 76 | 29.7 | EFFECTS RESET |
| ... | ... | Effects reset is activated passing through the unused range and staying 5 seconds in Effects reset levels. |
| 26 | 10.0 | EFFECTS RESET |
| 25 | 9.7 | UNUSED RANGE |
| ... | ... | UNUSED RANGE |
| 0 | 0.0 | UNUSED RANGE |

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



| BIT | % | EFFECT |
|-----|------|--------------------------------------------------------------------------------------|
| 255 | 100 | LAMP ON (FULL POWER) |
| ... | ... | Lamp ignition after 5 s in full power levels. |
| 180 | 70.5 | LAMP ON (FULL POWER) |
| 179 | 70.0 | LAMP ON (HALF POWER) |
| ... | ... | Immediate transition from full to half power. |
| ... | ... | Lamp ignition not allowed in half power. |
| 101 | 39.5 | LAMP ON (HALF POWER) |
| 100 | 39.0 | LAMP OFF |
| ... | ... | Lamp switch off passing through the unused range and staying 5 s in Lamp OFF levels. |
| 26 | 10.0 | LAMP OFF |
| 25 | 9.7 | UNUSED RANGE |
| ... | ... | UNUSED RANGE |
| 0 | 0.0 | UNUSED RANGE |

TIMING CHANNELS

| | Timing Channel | Channel function |
|----|-----------------|---------------------------------------|
| 20 | Pan - Tilt time | Pan - Tilt - (Pan fine - Tilt fine) |
| 21 | Colour time | CMY - C.T.O. - Colour Wheel |
| 22 | Beam time | Dimmer - Beam Shaper Insertion - Zoom |

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