

## CHANNEL FUNCTION

### ALPHA WASH 700

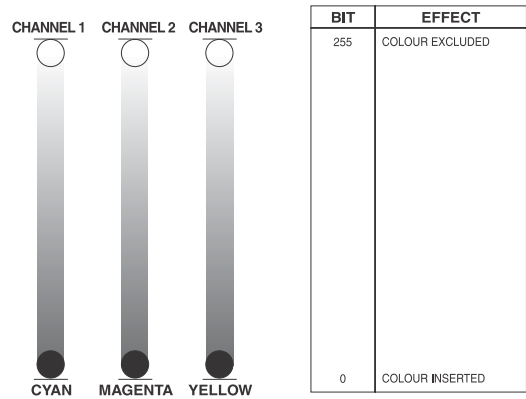
NB: To prevent accidental breakage of the effects, which could collide with each other during transport, before switching the projector OFF check that all the projector Channels have been excluded (DMX level = 0 bit).

| CHANNEL | CHANNEL MODE                             |  |
|---------|--|--|
|         | STANDARD                                 | VECTOR                                   |
| 1       | CYAN                                     | CYAN                                     |
| 2       | MAGENTA                                  | MAGENTA                                  |
| 3       | YELLOW                                   | YELLOW                                   |
| 4       | CTO                                      | CTO                                      |
| 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      | ZOOM                                     | ZOOM                                     |
| 12      | PAN                                      | PAN                                      |
| 13      | PAN FINE                                 | PAN FINE                                 |
| 14      | TILT                                     | TILT                                     |
| 15      | TILT FINE                                | TILT FINE                                |
| 16      | FUNCTION                                 | FUNCTION                                 |
| 17      | RESET                                    | RESET                                    |
| 18      | LAMP CONTROL (with Option "Lamp Dmx" ON) | LAMP CONTROL (with Option "Lamp Dmx" ON) |
| 19      |  | PAN - TILT TIME                          |
| 20      |  | COLOUR TIME                              |
| 21      |  | BEAM TIME                                |

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.

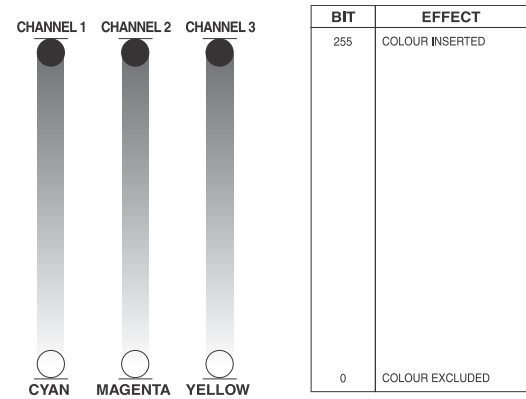
• COLOUR MIXING - channel 1 - 2 - 3

Operation with option color mixing: RGB



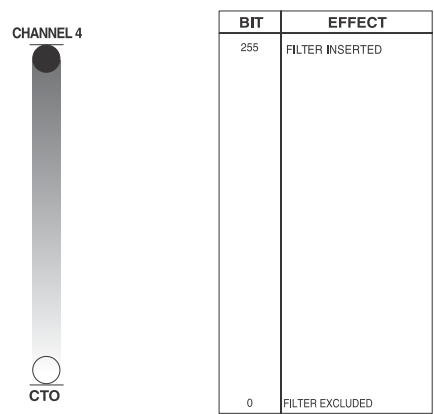
IMPORTANT: The lamp dim to half power 1 second after all the 3 channels stay at 0 bit evel. The lamp goes back to full power when the channels level is put higher than 0 bit.

Operation with option color mixing: CMY

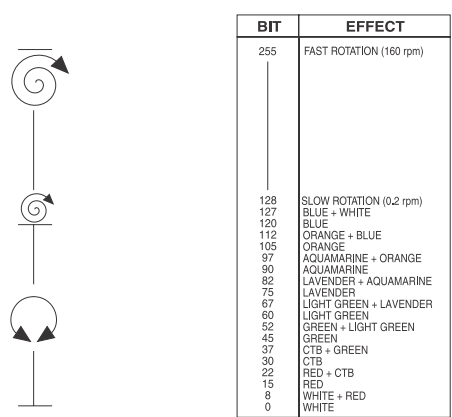


IMPORTANT: The lamp dim to half power 1 second after all the 3 channels stay at 255 bit level. The lamp goes back to full power when the channels level is put lower than 255 bit.

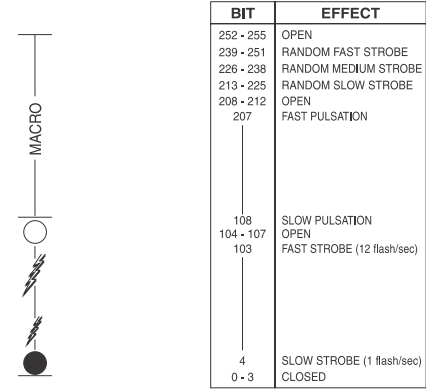
• C.T.O. - channel 4



• COLOUR WHEEL - channel 5

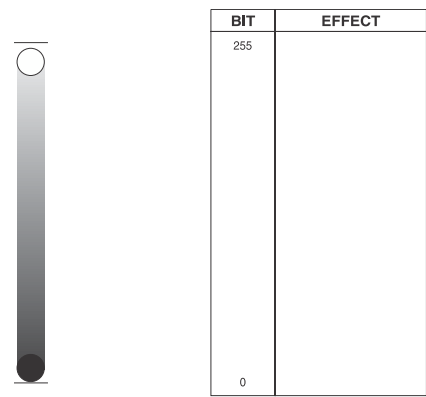


• STOP / STROBE - channel 6



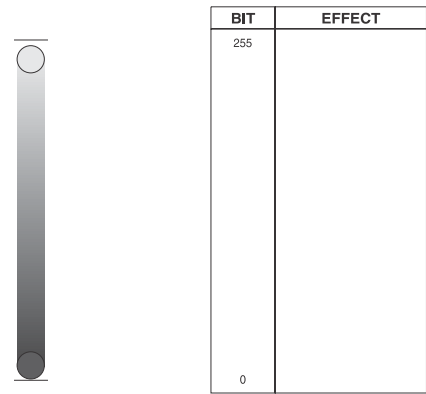
IMPORTANT: The lamp dim to half power 1 second after the channel stay at 0 bit level. The lamp goes back to full power when the channel level is put higher than 0 bit.

• DIMMER - channel 7

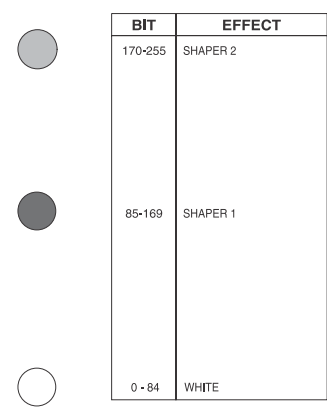


The lamp is linearly dimmed from full power to half power electronically and mechanically from half power to off.

• DIMMER FINE - channel 8



• BEAM SHAPER INSERTION - channel 9



• BEAM SHAPER ROTATION - channel 10

| BIT       | EFFECT                  |
|-----------|-------------------------|
| 255       | FAST ROTATION (120 rpm) |
| 193       | SLOW ROTATION (3 rph)   |
| 191 - 192 | STOP                    |
| 190       | SLOW ROTATION (3 rph)   |
| 128       | FAST ROTATION (120 rpm) |
| 127       | POSITION 540°           |
| 105       | POSITION 450°           |
| 84        | POSITION 360°           |
| 63        | POSITION 270°           |
| 42        | POSITION 180°           |
| 21        | POSITION 90°            |
| 0         | POSITION 0°             |

• ZOOM - channel 11

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

• PAN - channel 12

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

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

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

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

• PAN FINE - channel 13

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

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

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

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

• TILT - channel 14

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

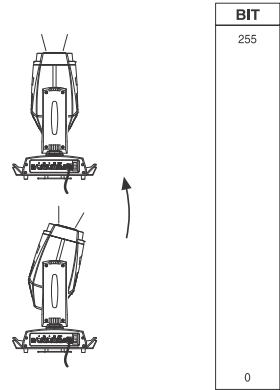
| BIT |
|-----|
| 255 |
| 128 |
| 0   |

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

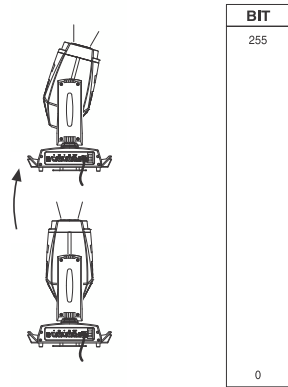
| BIT |
|-----|
| 255 |
| 128 |
| 0   |

• TILT FINE - 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)



• FUNCTION - channel: 16

| BIT  | EFFECT                             |
|------|------------------------------------|
| 255  | UNUSED RANGE                       |
| 52   |                                    |
| 51   |                                    |
| 39   |                                    |
| 26   | NORMAL SPEED ——— PAN-TILT FUNCTION |
| 13   |                                    |
| 0-12 | UNUSED RANGE                       |

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

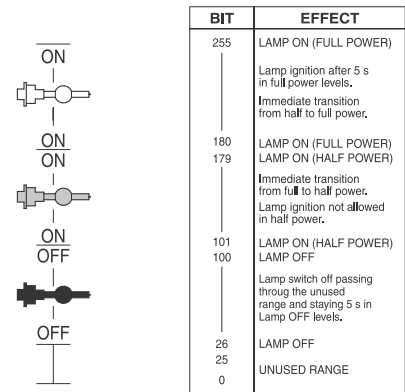
• RESET - channel: 17

| 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: 18

IMPORTANT: Alpha Wash 700 is not provided with hot restrike igniter



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

## TIMING CHANNELS

|    | Timing Channel  | Channel function                    |
|----|-----------------|-------------------------------------|
| 19 | Pan - Tilt time | Pan - Tilt - (Pan fine - Tilt fine) |
| 20 | Colour time     | CMY - CTO - Colour wheel            |
| 21 | Beam time       | Dimmer - Zoom                       |

## TIME TABLE

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