

ColorWash 1200E AT- DMX Protocol,version 1.1

date:11.10.2004

needed processor versions: IC1 DS=1.3 ,IC2 DS=1.3

| Mode/Channel | | | | | Value | Function | Type of control |
|--------------|-------------|------|---|----|-----------|--|-----------------|
| 1 | 2 | 3 | 4 | 5 | | | |
| 1 | 1 | 1 | 1 | 16 | 0 - 255 | Pan Pan movement by 530° | proportional |
| 2 | 2 | 2 | 2 | 17 | 0 - 255 | Pan Fine Fine control of pan movement | proportional |
| 3 | 3 | 3 | 3 | 18 | 0 - 255 | Tilt Tilt movement by 280° | proportional |
| 4 | 4 | 4 | 4 | 19 | 0 - 255 | Tilt fine Fine control of tilt movement | proportional |
| 5 | 5 | 5 | 5 | 20 | 0 | Pan/Tilt speed , Pan/Tilt time Max. speed (tracking mode)* | step |
| | | | | | 1 - 255 | P./T. speed-set Speed Mode in menu: Pan/Tilt Mode Speed from max. to min. (vector mode)** | proportional |
| | | | | | 1 - 255 | P./T. time - set Time Mode in menu: Pan/Tilt Mode Time from 0,1 s to 25,5 s. *** | proportional |
| 6 | 6 | 6 | 6 | 21 | 0 - 49 | Power/Special functions Reserved <i>To activate following functions, stop in DMX value for at least 3 s and shutter must be closed at least 3 s. („Shutter,Strobe” channel 16 (21,23,28,1) must be at range: 0-31 DMX).****</i> | step |
| | | | | | 50 - 59 | Pan/Tilt speed mode | step |
| | | | | | 60 - 69 | Pan/Tilt time mode | step |
| | | | | | 70 - 79 | Blackout while pan/tilt moving | step |
| | | | | | 80 - 89 | Disabled blackout while pan/tilt moving | step |
| | | | | | 90 - 99 | Blackout while colour wheels moving | step |
| | | | | | 100 - 109 | Disabled blackout while colour wheels moving | step |
| | | | | | 110 - 129 | Reserved <i>To activate following functions, stop in DMX value for at least 3 s.</i> | step |
| | | | | | 130 - 139 | Lamp On,reset(total reset except pan/tilt reset) | step |
| | | | | | 140 - 149 | Pan/Tilt reset | step |
| | | | | | 150 - 159 | Colour system reset | step |
| | | | | | 160 - 169 | Zoom/Fresnel reset | step |
| | | | | | 170 - 179 | Dimmer/Strobe reset | step |
| | | | | | 180 - 199 | Reserved | step |
| 200 - 209 | Total reset | step | | | | | |
| 210 - 229 | Reserved | step | | | | | |
| 230 - 239 | Lamp Off | step | | | | | |
| 240 - 255 | Reserved | step | | | | | |

Notes: * Range 0-255 DMX at max.speed (0 DMX):

pan=4.5 s
tilt=2.6 s

** Range 0-255 DMX at min. speed (255 DMX):

pan=37min.10 s
tilt=19 min.34 s

*** Short times are not used for long tracks (e.g. 0.5s for track 0-255 DMX). Times are restricted by mechanical parameters of the fixture.

**** The switch-functions have priority to the equivalent functions in menu „Personality” but the setting by DMX is not saved to the memory (after switching the fixture on,the setting from menu „Personality” is loaded and after that can be changed with DMX value on the channel 6).

DMX protocol

- 50 - 59 Pan/Tilt speed mode
- 60 - 69 Pan/Tilt time mode
- 70 - 79 Blackout while pan/tilt moving
- 80 - 89 Disabled blackout while pan/tilt moving
- 90 - 99 Blackout while colour wheels moving
- 100 - 109 Disabled blackout while colour wheel moving

menu „Personality”

- Pan/Tilt mode--->Speed Mode
- Pan/Tilt mode--->Time Mode
- Active blackout While-->Pan/Tilt Moving-->On
- Active blackout While-->Pan/Tilt Moving-->Off
- Active blackout While-->Colour Wheels Moving-->On
- Active blackout While-->Colour Wheels Moving-->Off

| Mode/Channel | | | | | Value | Function | Type of control |
|--------------|----|----|----|---|--|--|--|
| 1 | 2 | 3 | 4 | 5 | | | |
| | | 7 | 7 | | 0 - 9 10 - 31 32 - 63 64 - 95 96 - 127 128 - 159 160 - 191 192 - 223 224 - 255 | Pan/Tilt macro selection Disabled pan/tilt macro Reserved Figure of circle (from small to large) Figure of horizontal eight (from small to large) Figure of vertical eight (from small to large) Figure of rectangle (from small to large) Figure of triangle (from small to large) Figure of star (from small to large) Figure of cross (from small to large) | step step proportional proportional proportional proportional proportional |
| | | 8 | 8 | | 0 1 - 127 128 - 129 130 - 255 | Pan/Tilt macro speed No macro generation Macro generation from fast to slow-forwards No macro generation Macro generation from slow to fast-backwards | step proportional step proportional |
| 7 | 7 | 9 | 9 | 7 | 0 18 37 55 73 91 110 128 - 129 130 - 139 140 - 149 150 - 159 160 - 169 170 - 179 180 - 189 190 - 215 216 - 217 218 - 243 244 - 249 250 - 255 | Colour wheel 1 Open/white Deep red Deep blue Green Orange 6000 K temperature filter UV filter White Deep red Deep blue Green Orange 6000 K temperature filter UV filter Forwards rainbow effect from fast to slow No rotation Backwards rainbow effect from slow to fast Random colour selection by audio control (Set microphone sensitivity in menu „Personality“) Auto random colour selection from fast to slow | proportional proportional proportional proportional proportional proportional step step step step step step proportional step proportional step proportional |
| | 8 | | 10 | | 0 - 255 | Colour wheel 1- fine positioning Fine positioning | proportional |
| 8 | 9 | 10 | 11 | 8 | 0 18 37 55 73 91 110 128 - 129 130 - 139 140 - 149 150 - 159 160 - 169 170 - 179 180 - 189 190 - 215 216 - 217 218 - 243 244 - 249 250 - 255 | Colour wheel 2 Open/white Red ring Blue dot Yellow ring Blue/red Green/orange Yellow/blue/orange/magenta White Red ring Blue dot Yellow ring Blue/red Green/orange Yellow/blue/orange/magenta Forwards rainbow effect from fast to slow No rotation Backwards rainbow effect from slow to fast Random colour selection by audio control (Set microphone sensitivity in menu „Personality“) Auto random colour selection from fast to slow | proportional proportional proportional proportional proportional proportional proportional proportional step step step step step step proportional step proportional step proportional |
| | 10 | | 12 | | 0 - 255 | Colour wheel 2- fine positioning Fine positioning | proportional |
| 9 | 11 | 11 | 13 | 3 | 0 - 255 | Cyan Cyan (0-white, 255-full cyan) | proportional |
| 10 | 12 | 12 | 14 | 4 | 0 - 255 | Magenta Magenta (0-white, 255-full magenta) | proportional |

| Mode/Channel | | | | | Value | Function | Type of control |
|--------------|----|----|----|---|-----------|--|-----------------|
| 1 | 2 | 3 | 4 | 5 | | | |
| 11 | 13 | 13 | 15 | 5 | 0 - 255 | Yellow Yellow (0-white, 255-full yellow) | proportional |
| 12 | 14 | 14 | 16 | 6 | 0 - 255 | Conversion temperature filter 3200K (0-5600K, 255-3200K) | proportional |
| | 15 | | 17 | | | CMY Colour macros | |
| | | | | | 0 - 3 | No function | step |
| | | | | | 4 - 7 | Macro 1 | step |
| | | | | | 8 - 11 | Macro 2 | step |
| | | | | | 12 - 15 | Macro 3 | step |
| | | | | | 16 - 19 | Macro 4 | step |
| | | | | | 20 - 23 | Macro 5 | step |
| | | | | | 24 - 27 | Macro 6 | step |
| | | | | | 28 - 31 | Macro 7 | step |
| | | | | | 32 - 35 | Macro 8 | step |
| | | | | | 36 - 39 | Macro 9 | step |
| | | | | | 40 - 43 | Macro 10 | step |
| | | | | | 44 - 47 | Macro 11 | step |
| | | | | | 48 - 51 | Macro 12 | step |
| | | | | | 52 - 55 | Macro 13 | step |
| | | | | | 56 - 59 | Macro 14 | step |
| | | | | | 60 - 63 | Macro 15 | step |
| | | | | | 64 - 67 | Macro 16 | step |
| | | | | | 68 - 71 | Macro 17 | step |
| | | | | | 72 - 75 | Macro 18 | step |
| | | | | | 76 - 79 | Macro 19 | step |
| | | | | | 80 - 83 | Macro 20 | step |
| | | | | | 84 - 87 | Macro 21 | step |
| | | | | | 88 - 91 | Macro 22 | step |
| | | | | | 92 - 95 | Macro 23 | step |
| | | | | | 96 - 99 | Macro 24 | step |
| | | | | | 100 - 103 | Macro 25 | step |
| | | | | | 104 - 107 | Macro 26 | step |
| | | | | | 108 - 111 | Macro 27 | step |
| | | | | | 112 - 115 | Macro 28 | step |
| | | | | | 116 - 119 | Macro 29 | step |
| | | | | | 120 - 123 | Macro 30 | step |
| | | | | | 124 - 127 | Macro 31 | step |
| | | | | | 128 - 131 | Macro 32 | step |
| | | | | | 132 - 135 | Macro 33 | step |
| | | | | | 136 - 139 | Macro 34 | step |
| | | | | | 140 - 143 | Macro 35 | step |
| | | | | | 144 - 147 | Macro 36 | step |
| | | | | | 148 - 151 | Macro 37 | step |
| | | | | | 152 - 155 | Macro 38 | step |
| | | | | | 156 - 159 | Macro 39 | step |
| | | | | | 160 - 163 | Macro 40 | step |
| | | | | | 164 - 167 | Macro 41 | step |
| | | | | | 168 - 171 | Macro 42 | step |
| | | | | | 172 - 175 | Macro 43 | step |
| | | | | | 176 - 179 | Macro 44 | step |
| | | | | | 180 - 183 | Macro 45 | step |
| | | | | | 184 - 187 | Macro 46 | step |
| | | | | | 188 - 191 | Macro 47 | step |
| | | | | | 192 - 195 | Macro 48 | step |
| | | | | | 196 - 199 | Macro 49 | step |
| | | | | | 200 - 203 | Macro 50 | step |
| | | | | | 204 - 207 | Macro 51 | step |
| | | | | | 208 - 211 | Macro 52 | step |
| | | | | | 212 - 215 | Macro 53 | step |
| | | | | | 216 - 219 | Macro 54 | step |
| | | | | | 220 - 223 | Macro 55 | step |
| | | | | | 224 - 227 | Macro 56 | step |
| | | | | | 228 - 231 | Macro 57 | step |
| | | | | | 232 - 235 | Macro 58 | step |
| | | | | | 236 - 239 | Macro 59 | step |

| Mode/Channel | | | | | Value | Function | Type of control |
|--------------|----|----|----|----|---|--|--|
| 1 | 2 | 3 | 4 | 5 | | | |
| | 15 | | 17 | | 240 - 243 244 - 247 248 - 251 252 - 255 | Macro 60 Macro 61 Macro 62 Macro 63 | step step step step |
| 13 | 16 | 15 | 18 | | 0 - 255 | Effect speed From max. speed to min.speed ***** | proportional |
| | 17 | | 19 | | 0 - 31 32 - 63 64 - 95 96 - 255 | Effect speed assigning Dimmer + CMY filters + correction filter Dimmer CMY filters + correction filter No function | step step step step |
| | | 16 | 20 | 10 | 0 - 255 | Barn door 1-Upper From open to close | proportional |
| | | 17 | 21 | 11 | 0 - 255 | Barn door 2-Lower From open to close | proportional |
| | | 18 | 22 | 12 | 0 - 255 | Barn door 3-Left From open to close | proportional |
| | | 19 | 23 | 13 | 0 - 255 | Barn door 4-Right From open to close | proportional |
| | | 20 | 24 | 14 | 0 - 255 | Barn doors rotation From right to left | proportional |
| 14 | 18 | 21 | 25 | | 0-85 86 87-171 172-213 214-255 | Fresnels opening <i>LightMax mode provides a high intensity spot (85DMX)</i> Internal Fresnels opening(from closed to open-LightMax mode) Left Fresnel closed,right Fresnel open Left Fresnel opening,right Fresnel closing Both Fresnels ramping (parallel) from slow to fast Both Fresnels ramping (alternately) from fast to slow | proportional step proportional proportional proportional |
| 15 | 19 | 22 | 26 | 9 | 0-255 | Zoom Zoom from min. to max. | proportional |
| | 20 | | 27 | | 0-255 | Zoom fine Fine zoom positioning. | proportional |
| 16 | 21 | 23 | 28 | 1 | 0 - 31 32 - 63 64 - 95 96 - 127 128 - 143 144 - 159 160 - 191 192 - 223 224 - 255 | Shutter, strobe Shutter closed, Lamp power reduced after 10 s to 700W. Shutter open,Full lamp power. Strobe-effect from slow to fast (max.15 ashes/s) Shutter open,Lamp power reduced to 700W. Opening pulse in sequences from slow to fast Closing pulse in sequences from fast to slow Shutter open,Electronic strobing "ZAP" from slow to fast (from 7 to 33 ashes/s) Random strobe-effect from slow to fast Shutter open,Full lamp power | step step proportional step proportional proportional proportional proportional step |
| 17 | 22 | 24 | 29 | 2 | 0-255 | Dimmer intensity Dimmer intensity from 0% to 100% (In range 0-3 DMX, lamp power reduced to 700 W) | proportional |
| | 23 | | 30 | | 0-255 | Dimmer intensity fine Fine dimming | proportional |
| | | | | 15 | | No function | |

***** Range 0-255 DMX at min. speed (0 DMX): Cyan (magenta/yellow,cor. filter) = 1min 10 s

ColorWash 1200E AT - DMX Protocol,vers.1.0

| Mode/Channel | | | | Value | Function | Type of control |
|--------------|-------------|------|---|-----------|--|-----------------|
| 1 | 2 | 3 | 4 | | | |
| 1 | 1 | 1 | 1 | 0 - 255 | Pan Pan movement by 530° | proportional |
| 2 | 2 | 2 | 2 | 0 - 255 | Pan Fine Fine control of pan movement | proportional |
| 3 | 3 | 3 | 3 | 0 - 255 | Tilt Tilt movement by 280° | proportional |
| 4 | 4 | 4 | 4 | 0 - 255 | Tilt fine Fine control of tilt movement | proportional |
| 5 | 5 | 5 | 5 | 0 | Pan/Tilt speed , Pan/Tilt time Max. speed (tracking mode)* | step |
| | | | | 1 - 255 | P./T. speed-set Speed Mode in menu: Pan/Tilt Mode Speed from max. to min. (vector mode)** | proportional |
| | | | | 1 - 255 | P./T. time - set Time Mode in menu: Pan/Tilt Mode Time from 0,1 s to 25,5 s. *** | proportional |
| 6 | 6 | 6 | 6 | 0 - 49 | Power/Special functions Reserved <i>To activate following functions, stop in DMX value for at least 3 s and shutter must be closed at least 3 s. („Shutter,Strobe” channel 16 (21,23,28) must be at range: 0-31 DMX).****</i> | step |
| | | | | 50 - 59 | Pan/Tilt speed mode | step |
| | | | | 60 - 69 | Pan/Tilt time mode | step |
| | | | | 70 - 79 | Blackout while pan/tilt moving | step |
| | | | | 80 - 89 | Disabled blackout while pan/tilt moving | step |
| | | | | 90 - 99 | Blackout while colour wheels moving | step |
| | | | | 100 - 109 | Disabled blackout while colour wheels moving | step |
| | | | | 110 - 129 | Reserved <i>To activate following functions, stop in DMX value for at least 3 s.</i> | step |
| | | | | 130 - 139 | Lamp On,reset(total reset except pan/tilt reset) | step |
| | | | | 140 - 149 | Pan/Tilt reset | step |
| | | | | 150 - 159 | Colour system reset | step |
| | | | | 160 - 169 | Zoom/Fresnel reset | step |
| | | | | 170 - 179 | Dimmer/Strobe reset | step |
| | | | | 180 - 199 | Reserved | step |
| 200 - 209 | Total reset | step | | | | |
| 210 - 229 | Reserved | step | | | | |
| 230 - 239 | Lamp Off | step | | | | |
| 240 - 255 | Reserved | step | | | | |

Notes: * Range 0-255 DMX at max.speed (0 DMX):

pan=4.5 s

tilt=2.6 s

** Range 0-255 DMX at min. speed (255 DMX):

pan=37min.10 s

tilt=19 min.34 s

*** Short times are not used for long tracks (e.g. 0.5s for track 0-255 DMX). Times are restricted by mechanical parameters of the fixture.

**** The switch-functions have priority to the equivalent functions in menu „Personality” but the setting by DMX is not saved to the memory (after switching the fixture on,the setting from menu „Personality” is loaded and after that can be changed with DMX value on the channel 6).

DMX protocol

50 - 59 Pan/Tilt speed mode

60 - 69 Pan/Tilt time mode

70 - 79 Blackout while pan/tilt moving

80 - 89 Disabled blackout while pan/tilt moving

90 - 99 Blackout while colour wheels moving

100 - 109 Disabled blackout while colour wheel moving

menu „Personality”

Pan/Tilt mode--->Speed Mode

Pan/Tilt mode--->Time Mode

Active blackout While-->Pan/Tilt Moving-->On

Active blackout While-->Pan/Tilt Moving-->Off

Active blackout While-->Colour Wheels Moving-->On

Active blackout While-->Colour Wheels Moving-->Off

| Mode/Channel | | | | Value | Function | Type of control |
|--------------|----|----|----|--|--|--|
| 1 | 2 | 3 | 4 | | | |
| | | 7 | 7 | 0 - 9 10 - 31 32 - 63 64 - 95 96 - 127 128 - 159 160 - 191 192 - 223 224 - 255 | Pan/Tilt macro selection Disabled pan/tilt macro Reserved Figure of circle (from small to large) Figure of horizontal eight (from small to large) Figure of vertical eight (from small to large) Figure of rectangle (from small to large) Figure of triangle (from small to large) Figure of star (from small to large) Figure of cross (from small to large) | step step proportional proportional proportional proportional proportional proportional |
| | | 8 | 8 | 0 1 - 127 128 - 129 130 - 255 | Pan/Tilt macro speed No macro generation Macro generation from fast to slow-forwards No macro generation Macro generation from slow to fast-backwards | step proportional step proportional |
| 7 | 7 | 9 | 9 | 0 18 37 55 73 91 110 128 - 129 130 - 139 140 - 149 150 - 159 160 - 169 170 - 179 180 - 189 190 - 215 216 - 217 218 - 243 244 - 249 250 - 255 | Colour wheel 1 Open/white Deep red Deep blue Green Orange 6000 K temperature filter UV filter White Deep red Deep blue Green Orange 6000 K temperature filter UV filter Forwards rainbow effect from fast to slow No rotation Backwards rainbow effect from slow to fast Random colour selection by audio control (Set microphone sensitivity in menu „Personality“) Auto random colour selection from fast to slow | proportional proportional proportional proportional proportional proportional proportional step step step step step step proportional step proportional step proportional |
| | 8 | | 10 | 0 - 255 | Colour wheel 1- fine positioning Fine positioning | proportional |
| 8 | 9 | 10 | 11 | 0 18 37 55 73 91 110 128 - 129 130 - 139 140 - 149 150 - 159 160 - 169 170 - 179 180 - 189 190 - 215 216 - 217 218 - 243 244 - 249 250 - 255 | Colour wheel 2 Open/white Red ring Blue dot Yellow ring Blue/red Green/orange Yellow/blue/orange/magenta White Red ring Blue dot Yellow ring Blue/red Green/orange Yellow/blue/orange/magenta Forwards rainbow effect from fast to slow No rotation Backwards rainbow effect from slow to fast Random colour selection by audio control (Set microphone sensitivity in menu „Personality“) Auto random colour selection from fast to slow | proportional proportional proportional proportional proportional proportional proportional proportional step step step step step step proportional step proportional step proportional |
| | 10 | | 12 | 0 - 255 | Colour wheel 2- fine positioning Fine positioning | proportional |
| 9 | 11 | 11 | 13 | 0 - 255 | Cyan Cyan (0-white, 255-full cyan) | proportional |
| 10 | 12 | 12 | 14 | 0 - 255 | Magenta Magenta (0-white, 255-full magenta) | proportional |

| Mode/Channel | | | | Value | Function | Type of control |
|--------------|----|----|----|-----------|--|-----------------|
| 1 | 2 | 3 | 4 | | | |
| 11 | 13 | 13 | 15 | 0 - 255 | Yellow Yellow (0-white, 255-full yellow) | proportional |
| 12 | 14 | 14 | 16 | 0 - 255 | Conversion temperature filter 3200K (0-5600K, 255-3200K) | proportional |
| | 15 | | 17 | | CMY Colour macros | |
| | | | | 0 - 3 | No function | step |
| | | | | 4 - 7 | Macro 1 | step |
| | | | | 8 - 11 | Macro 2 | step |
| | | | | 12 - 15 | Macro 3 | step |
| | | | | 16 - 19 | Macro 4 | step |
| | | | | 20 - 23 | Macro 5 | step |
| | | | | 24 - 27 | Macro 6 | step |
| | | | | 28 - 31 | Macro 7 | step |
| | | | | 32 - 35 | Macro 8 | step |
| | | | | 36 - 39 | Macro 9 | step |
| | | | | 40 - 43 | Macro 10 | step |
| | | | | 44 - 47 | Macro 11 | step |
| | | | | 48 - 51 | Macro 12 | step |
| | | | | 52 - 55 | Macro 13 | step |
| | | | | 56 - 59 | Macro 14 | step |
| | | | | 60 - 63 | Macro 15 | step |
| | | | | 64 - 67 | Macro 16 | step |
| | | | | 68 - 71 | Macro 17 | step |
| | | | | 72 - 75 | Macro 18 | step |
| | | | | 76 - 79 | Macro 19 | step |
| | | | | 80 - 83 | Macro 20 | step |
| | | | | 84 - 87 | Macro 21 | step |
| | | | | 88 - 91 | Macro 22 | step |
| | | | | 92 - 95 | Macro 23 | step |
| | | | | 96 - 99 | Macro 24 | step |
| | | | | 100 - 103 | Macro 25 | step |
| | | | | 104 - 107 | Macro 26 | step |
| | | | | 108 - 111 | Macro 27 | step |
| | | | | 112 - 115 | Macro 28 | step |
| | | | | 116 - 119 | Macro 29 | step |
| | | | | 120 - 123 | Macro 30 | step |
| | | | | 124 - 127 | Macro 31 | step |
| | | | | 128 - 131 | Macro 32 | step |
| | | | | 132 - 135 | Macro 33 | step |
| | | | | 136 - 139 | Macro 34 | step |
| | | | | 140 - 143 | Macro 35 | step |
| | | | | 144 - 147 | Macro 36 | step |
| | | | | 148 - 151 | Macro 37 | step |
| | | | | 152 - 155 | Macro 38 | step |
| | | | | 156 - 159 | Macro 39 | step |
| | | | | 160 - 163 | Macro 40 | step |
| | | | | 164 - 167 | Macro 41 | step |
| | | | | 168 - 171 | Macro 42 | step |
| | | | | 172 - 175 | Macro 43 | step |
| | | | | 176 - 179 | Macro 44 | step |
| | | | | 180 - 183 | Macro 45 | step |
| | | | | 184 - 187 | Macro 46 | step |
| | | | | 188 - 191 | Macro 47 | step |
| | | | | 192 - 195 | Macro 48 | step |
| | | | | 196 - 199 | Macro 49 | step |
| | | | | 200 - 203 | Macro 50 | step |
| | | | | 204 - 207 | Macro 51 | step |
| | | | | 208 - 211 | Macro 52 | step |
| | | | | 212 - 215 | Macro 53 | step |
| | | | | 216 - 219 | Macro 54 | step |
| | | | | 220 - 223 | Macro 55 | step |
| | | | | 224 - 227 | Macro 56 | step |
| | | | | 228 - 231 | Macro 57 | step |
| | | | | 232 - 235 | Macro 58 | step |
| | | | | 236 - 239 | Macro 59 | step |

| Mode/Channel | | | | Value | Function | Type of control |
|--------------|----|----|----|---|--|--|
| 1 | 2 | 3 | 4 | | | |
| | 15 | | 17 | 240 - 243 244 - 247 248 - 251 252 - 255 | Macro 60 Macro 61 Macro 62 Macro 63 | step step step step |
| 13 | 16 | 15 | 18 | 0 - 255 | Effect speed From max. speed to min.speed ***** | proportional |
| | 17 | | 19 | 0 - 31 32 - 63 64 - 95 96 - 255 | Effect speed assigning Dimmer + CMY filters + correction filter Dimmer CMY filters + correction filter No function | step step step step |
| | | 16 | 20 | 0 - 255 | Barn door 1-Upper From open to close | proportional |
| | | 17 | 21 | 0 - 255 | Barn door 2-Lower From open to close | proportional |
| | | 18 | 22 | 0 - 255 | Barn door 3-Left From open to close | proportional |
| | | 19 | 23 | 0 - 255 | Barn door 4-Right From open to close | proportional |
| | | 20 | 24 | 0 - 255 | Barn doors rotation From right to left | proportional |
| 14 | 18 | 21 | 25 | 0-85 86 87-171 172-213 214-255 | Fresnels opening <i>LightMax mode provides a high intensity spot (85DMX)</i> Internal Fresnels opening(from closed to open-LightMax mode) Left Fresnel closed,right Fresnel open Left Fresnel opening,right Fresnel closing Both Fresnels ramping (parallel) from slow to fast Both Fresnels ramping (alternately) from fast to slow | proportional step proportional proportional proportional |
| 15 | 19 | 22 | 26 | 0-255 | Zoom Zoom from min. to max. | proportional |
| | 20 | | 27 | 0-255 | Zoom fine Fine zoom positioning. | proportional |
| 16 | 21 | 23 | 28 | 0 - 31 32 - 63 64 - 95 96 - 127 128 - 143 144 - 159 160 - 191 192 - 223 224 - 255 | Shutter, strobe Shutter closed, Lamp power reduced after 10 s to 700W. Shutter open,Full lamp power. Strobe-effect from slow to fast (max.15 ashes/s) Shutter open,Lamp power reduced to 700W. Opening pulse in sequences from slow to fast Closing pulse in sequences from fast to slow Shutter open,Electronic strobing "ZAP" from slow to fast (from 7 to 33 ashes/s) Random strobe-effect from slow to fast Shutter open,Full lamp power | step step proportional step proportional proportional proportional proportional step |
| 17 | 22 | 24 | 29 | 0-255 | Dimmer intensity Dimmer intensity from 0% to 100% (In range 0-9 DMX, lamp power reduced to 700 W) | proportional |
| | 23 | | 30 | 0-255 | Dimmer intensity fine Fine dimming | proportional |

***** Range 0-255 DMX at min. speed (0 DMX): Cyan (magenta/yellow,cor. filter) = 1min 10 s