



**BEAMZ**  
**MADE**  
**EAZY**

150.378 V1.4

# **FUZE TWIN WASH**

## **QUICK START GUIDE**

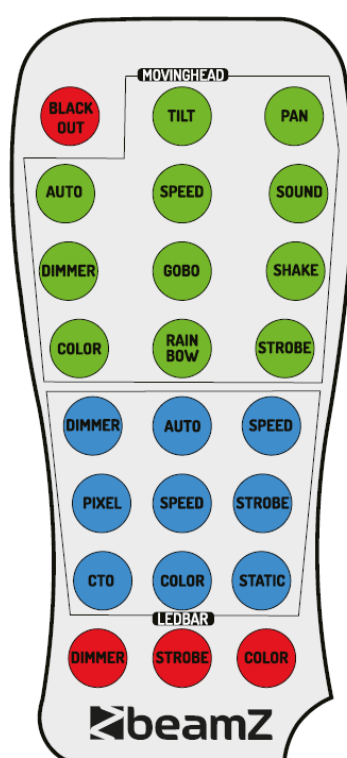
## CONTROL MENU

| MENU                |                |                      |              | DESCRIPTION                      |
|---------------------|----------------|----------------------|--------------|----------------------------------|
| <b>DMX ADDR</b>     | A001-Axxx      |                      |              | DMX address setting              |
| <b>AUTO PLAY</b>    | Auto Program   | Internal program 1-9 | Master/Alone | Auto program                     |
|                     | Music Control  | Internal program 1-9 | Master/Alone | Music control                    |
| <b>RESET</b>        | All Reset      | On / Off             |              | Reset all                        |
|                     | Scan Reset     | On / Off             |              | Scan reset                       |
|                     | Zoom Reset     | On / Off             |              | Zoom Reset                       |
| <b>REVERSE PAN</b>  | Pan 1          | On / Off             |              | Movinghead 1 pan reverse         |
|                     | Pan 2          | On / Off             |              | Movinghead 2 pan reverse         |
| <b>REVERSE TILT</b> | Tilt 1         | On / Off             |              | Movinghead 1 tilt reverse        |
|                     | Tilt 2         | On / Off             |              | Movinghead 2 tilt reverse        |
| <b>SPECIAL</b>      | Reset Default  | On / Off             |              | Reset default                    |
|                     | Calibration    | Code (088)           |              | Calibration code                 |
|                     |                | PAN1, TILT1...       |              | Calibration of the channel       |
|                     | Temperature    | xxx °C / F           |              | Current temperature              |
|                     | Manual Control | PAN = xxx            |              | Manual control                   |
|                     | Mic SET        | 0-99%                |              | Mic Sensitivity                  |
|                     | IR Remote      | On / Off             |              | IR Remote                        |
|                     | Signal Mode    | Hold / Back Out      |              | DMX signal 1 hold / backout      |
|                     |                |                      |              |                                  |
| <b>DMX MODE</b>     | CH38           |                      |              | CH38 Mode                        |
|                     | CH23           |                      |              | CH23 Mode                        |
|                     | CH62           |                      |              | CH62 Mode                        |
| <b>SCAN DEGREE</b>  | PAN Degree     | 540° / 360°          |              | Select Pan Degree, default 540°  |
|                     | TILT Degree    | 210° / 180° / 90°    |              | Select Tilt Degree, default 210° |
| <b>VERSION</b>      | Vxxx           |                      |              | Software version                 |

### NOTE: SPECIAL BUTTON INSTRUCTION

To invert the display, press and hold both the "UP" and "DOWN" buttons simultaneously for 3 seconds. The menu will rotate 180 degrees.

## REMOTE CONTROL



# DMX CHANNELS

## 23 CHANNELS

| channel | FUNCTION         | VALUE    | DESCRIPTION                                    |
|---------|------------------|----------|------------------------------------------------|
| 1       | HEAD PAN         | 000-255  | Pan movement                                   |
| 2       | HEAD TILT        | 000-255  | Tilt Movement                                  |
| 3       | HEAD DIMMER      | 000-255  | Dimmer 0%...100%                               |
| 4       | HEAD SHUTTER     | 000-031  | Shutter closed                                 |
|         |                  | 032-063  | Shutter open                                   |
|         |                  | 064-095  | Strobe effect slow to fast                     |
|         |                  | 096-127  | Shutter open                                   |
|         |                  | 128-143  | Opening Pulse-effect in sequences slow to fast |
|         |                  | 144-159  | Closing Pulse-effect in sequences fast to slow |
|         |                  | 160-191  | Shutter open                                   |
|         |                  | 192-223  | Random strobe effect slow to fast              |
|         |                  | 224-255  | Shutter open                                   |
| 5       | HEAD RED         | 000-255  | 0-100% Red dimmer from dark to bright          |
| 6       | HEAD GREEN       | 000-255  | 0-100% Green dimmer from dark to bright        |
| 7       | HEAD BLUE        | 000-255  | 0-100% Blue dimmer from dark to bright         |
| 8       | HEAD WHITE       | 000-255  | 0-100% White dimmer from dark to bright        |
| 9       | HEAD ZOOM        | 000-255  | In(near)to out(far)                            |
| 10      | HEAD MACRO       | 000-015  | No Function                                    |
|         |                  | 016-031  | Red                                            |
|         |                  | 032-047  | Green                                          |
|         |                  | 048-063  | Blue                                           |
|         |                  | 064-079  | White                                          |
|         |                  | 080-095  | Red+Green                                      |
|         |                  | 096-111  | Red+Blue                                       |
|         |                  | 112-127  | Red+White                                      |
|         |                  | 128-143  | Green+Blue                                     |
|         |                  | 144-159  | Green+White                                    |
|         |                  | 160-175  | Blue+Wtihe                                     |
|         |                  | 176-191  | R+G+B                                          |
|         |                  | 192-207  | R+G+B+W                                        |
|         |                  | 208-223  | Jump effect                                    |
|         |                  | 224-239  | Fading effect                                  |
|         |                  | 240-255  | Jump effect,Fading effect ,Pulse-effect        |
| 11      | HEAD MACRO SPEED | 000-255  | Macro Speed from Slow To Fast                  |
| 12      | SPEED PAN/TILT   | 000 -225 | Max to min speed                               |
|         |                  | 226-235  | Blackout by movement                           |
|         |                  | 236-255  | No function                                    |
| 13      | SPECIAL FUNCTION | 000-079  | No function                                    |
|         |                  | 080 -089 | All Motor reset                                |
|         |                  | 090-094  | Scan motor reset                               |
|         |                  | 095 -099 | Zoom motor reset                               |
|         |                  | 100 -108 | Internal program 1                             |
|         |                  | 109 -117 | Internal program 2                             |
|         |                  | 118 -126 | Internal program 3                             |
|         |                  | 127 -135 | Internal program 4                             |
|         |                  | 136 -144 | Internal program 5                             |
|         |                  | 145 -153 | Internal program 6                             |

|    |              |          |                                                |
|----|--------------|----------|------------------------------------------------|
|    |              | 154 -162 | Internal program 7                             |
|    |              | 163 -171 | Internal program 8                             |
|    |              | 172 -180 | Internal program 9                             |
|    |              | 181 -189 | Internal Sound program 1                       |
|    |              | 190 -198 | Internal Sound program 2                       |
|    |              | 199 -207 | Internal Sound program 3                       |
|    |              | 208 -216 | Internal Sound program 4                       |
|    |              | 217 -225 | Internal Sound program 5                       |
|    |              | 226 -234 | Internal Sound program 6                       |
|    |              | 235 -243 | Internal Sound program 7                       |
|    |              | 244 -252 | Internal Sound program 8                       |
|    |              | 253 -255 | Internal Sound program 9                       |
| 14 | DIMMER       | 000-255  | Dimmer 0%-100%                                 |
| 15 | SHUTTER      | 000-031  | Shutter closed                                 |
|    |              | 032 -063 | Shutter open                                   |
|    |              | 064 -095 | Strobe effect slow to fast                     |
|    |              | 096 -127 | Shutter open                                   |
|    |              | 128-143  | Opening Pulse-effect in sequences slow to fast |
|    |              | 144 -159 | Closing Pulse-effect in sequences fast to slow |
|    |              | 160 -191 | Shutter open                                   |
|    |              | 192 -223 | Random strobe effect slow to fast              |
|    |              | 224 -255 | Shutter open                                   |
| 16 | RED          | 000-255  | 0-100% red dimmer from dark to bright          |
| 17 | GREEN        | 000-255  | 0-100% green dimmer from dark to bright        |
| 18 | BLUE         | 000-255  | 0-100% blue dimmer from dark to bright         |
| 19 | WHITE        | 000-255  | 0-100% white dimmer from dark to bright        |
| 20 | MACRO COLOUR | 000 -015 | No Function                                    |
|    |              | 016 -031 | Red                                            |
|    |              | 032 -047 | Green                                          |
|    |              | 048 -063 | Blue                                           |
|    |              | 064 -079 | White                                          |
|    |              | 080 -095 | Red+Green                                      |
|    |              | 096-111  | Red+Blue                                       |
|    |              | 112 -127 | Red+White                                      |
|    |              | 128 -143 | Green+Blue                                     |
|    |              | 144 -159 | Green+White                                    |
|    |              | 160 -175 | Blue+Wtite                                     |
|    |              | 176 -191 | R+G+B                                          |
|    |              | 192 -207 | R+G+B+W                                        |
|    |              | 208 -212 | Red+Green/2                                    |
|    |              | 213 -217 | Red+Blue/2                                     |
|    |              | 218 -222 | Red+White/2                                    |
|    |              | 223 -227 | Green+Blue/2                                   |
|    |              | 228 -232 | Green+White/2                                  |
|    |              | 233 -237 | Blue/2+Wtihe                                   |
|    |              | 238 -242 | Red/2+Green                                    |
|    |              | 243 -247 | Red/2+Blue                                     |
|    |              | 248 -255 | Green/2+Blue                                   |
| 21 | COLOUR TEMP  | 000-015  | No Function                                    |
|    |              | 016-045  | Below 3200K                                    |
|    |              | 046-075  | 3200K - 3500K                                  |

|    |             |          |                               |
|----|-------------|----------|-------------------------------|
| 22 | MACRO RUN   | 076-105  | 3500K - 5000K                 |
|    |             | 106-135  | 5000K - 5500K                 |
|    |             | 136-165  | 5500K - 6000K                 |
|    |             | 166-195  | 6000K - 6500K                 |
|    |             | 196-225  | 6500K - 7000K                 |
|    |             | 226-255  | 7000K - 8000K                 |
|    |             | 000 -015 | No function                   |
|    |             | 016 -031 | Macro Run 1                   |
|    |             | 032-047  | Macro Run 2                   |
|    |             | 048 -063 | Macro Run 3                   |
|    |             | 064 -079 | Macro Run 4                   |
|    |             | 080 -095 | Macro Run 5                   |
|    |             | 096 -111 | Macro Run 6                   |
|    |             | 112 -127 | Macro Run 7                   |
|    |             | 128 -143 | Macro Run 8                   |
|    |             | 144 -159 | Macro Run 9                   |
|    |             | 160 -175 | Macro Run 10                  |
|    |             | 176-191  | Macro Run 11                  |
|    |             | 192 -207 | Macro Sound 1                 |
|    |             | 208 -223 | Macro Sound 2                 |
|    |             | 224 -239 | Macro Sound 3                 |
|    |             | 240 -255 | Macro Sound 4                 |
| 23 | MACRO SPEED | 000-255  | Macro speed from slow to fast |

## 38 CHANNELS

| CHANNEL | FUNCTION         | VALUE    | DESCRIPTION                                    |
|---------|------------------|----------|------------------------------------------------|
| 1       | HEAD 1 PAN       | 000-255  | Pan movement                                   |
| 2       | HEAD 1 PAN-FINE  | 000-255  | Fine control of Pan movement                   |
| 3       | HEAD 1 TILT      | 000-255  | Tilt Movement                                  |
| 4       | HEAD 1 TILT-FINE | 000-255  | Fine control of Tilt movement                  |
| 5       | HEAD 1 DIMMER    | 000-255  | Dimmer 0%...100%                               |
| 6       | HEAD 1 SHUTTER   | 000-031  | Shutter closed                                 |
|         |                  | 032 -063 | Shutter open                                   |
|         |                  | 064 -095 | Strobe effect slow to fast                     |
|         |                  | 096 -127 | Shutter open                                   |
|         |                  | 128 -143 | Opening Pulse-effect in sequences slow to fast |
|         |                  | 144-159  | Closing Pulse-effect in sequences fast to slow |
|         |                  | 160 -191 | Shutter open                                   |
|         |                  | 192 -223 | Random strobe effect slow to fast              |
|         |                  | 224 -255 | Shutter open                                   |
| 7       | HEAD 1 RED       | 000-255  | 0-100% Red dimmer from dark to bright          |
| 8       | HEAD 1 GREEN     | 000-255  | 0-100% Green dimmer from dark to bright        |
| 9       | HEAD 1 BLUE      | 000-255  | 0-100% Blue dimmer from dark to bright         |
| 10      | HEAD 1 WHITE     | 000-255  | 0-100% White dimmer from dark to bright        |
| 11      | HEAD 1 ZOOM      | 000-255  | In(near) to out(far)                           |
| 12      | HEAD 1 MACRO     | 000-015  | No Function                                    |
|         |                  | 016-031  | Red                                            |
|         |                  | 032-047  | Green                                          |
|         |                  | 048-063  | Blue                                           |
|         |                  | 064-079  | White                                          |

|    |                    |          |                                                |
|----|--------------------|----------|------------------------------------------------|
|    |                    | 080-095  | Red+Green                                      |
|    |                    | 096-111  | Red+Blue                                       |
|    |                    | 112-127  | Red+White                                      |
|    |                    | 128-143  | Green+Blue                                     |
|    |                    | 144-159  | Green+White                                    |
|    |                    | 160-175  | Blue+Wtibe                                     |
|    |                    | 176-191  | R+G+B                                          |
|    |                    | 192-207  | R+G+B+W                                        |
|    |                    | 208-223  | Jump effect                                    |
|    |                    | 224-239  | Fading effect                                  |
|    |                    | 240-255  | Jump effect,Fading effect ,Pulse-effect        |
| 13 | HEAD 1 MACRO SPEED | 000-255  | Macro Speed from Slow To Fast                  |
| 14 | HEAD 2 PAN         | 000-255  | Pan movement                                   |
| 15 | HEAD 2 PAN-FINE    | 000-255  | Fine control of Pan movement                   |
| 16 | HEAD 2 TILT        | 000-255  | Tilt Movement                                  |
| 17 | HEAD 2 TILE-FINE   | 000-255  | Fine control of Tilt movement                  |
| 18 | HEAD 2 DIMMER      | 000-255  | Dimmer 0%...100%                               |
| 19 | Head 2 Shutter     | 000-031  | Shutter closed                                 |
|    |                    | 032-063  | Shutter open                                   |
|    |                    | 064-095  | Strobe effect slow to fast                     |
|    |                    | 096-127  | Shutter open                                   |
|    |                    | 128-143  | Opening Pulse-effect in sequences slow to fast |
|    |                    | 144-159  | Closing Pulse-effect in sequences fast to slow |
|    |                    | 160-191  | Shutter open                                   |
|    |                    | 192-223  | Random strobe effect slow to fast              |
|    |                    | 224-255  | Shutter open                                   |
| 20 | HEAD 2 RED         | 000-255  | 0-100% Red dimmer from dark to bright          |
| 21 | HEAD 2 GREEN       | 000-255  | 0-100% Green dimmer from dark to bright        |
| 22 | HEAD 2 BLUE        | 000-255  | 0-100% Blue dimmer from dark to bright         |
| 23 | HEAD 2 WHITE       | 000-255  | 0-100% White dimmer from dark to bright        |
| 24 | HEAD 2 ZOOM        | 000-255  | In(near)to out(far)                            |
| 25 | HEAD 2 MACRO       | 000-015  | No Function                                    |
|    |                    | 016-0031 | Red                                            |
|    |                    | 032-047  | Green                                          |
|    |                    | 048-063  | Blue                                           |
|    |                    | 064-079  | White                                          |
|    |                    | 080-095  | Red+Green                                      |
|    |                    | 096-111  | Red+Blue                                       |
|    |                    | 112-127  | Red+White                                      |
|    |                    | 128-143  | Green+Blue                                     |
|    |                    | 144-159  | Green+White                                    |
|    |                    | 160-175  | Blue+Wtibe                                     |
|    |                    | 176-191  | R+G+B                                          |
|    |                    | 192-207  | R+G+B+W                                        |
|    |                    | 208-223  | Jump effect                                    |
|    |                    | 224-239  | Fading effect                                  |
|    |                    | 240-255  | Jump effect,Fading effect ,Pulse-effect        |
| 26 | HEAD 2 MACRO SPEED | 000-255  | Macro Speed from Slow To Fast                  |
| 27 | SPEED PAN/TILT     | 000 -225 | Max to min speed                               |
|    |                    | 226-235  | Blackout by movement                           |
|    |                    | 236-255  | No function                                    |

|    |                  |          |                                                |
|----|------------------|----------|------------------------------------------------|
| 28 | SPECIAL FUNCTION | 000-079  | No function                                    |
|    |                  | 080 -089 | All Motor reset                                |
|    |                  | 090-094  | Scan motor reset                               |
|    |                  | 095 -099 | Zoom motor reset                               |
|    |                  | 100 -108 | Internal program 1                             |
|    |                  | 109 -117 | Internal program 2                             |
|    |                  | 118 -126 | Internal program 3                             |
|    |                  | 127 -135 | Internal program 4                             |
|    |                  | 136 -144 | Internal program 5                             |
|    |                  | 145 -153 | Internal program 6                             |
|    |                  | 154 -162 | Internal program 7                             |
|    |                  | 163 -171 | Internal program 8                             |
|    |                  | 172 -180 | Internal program 9                             |
|    |                  | 181 -189 | Internal Sound program 1                       |
|    |                  | 190 -198 | Internal Sound program 2                       |
|    |                  | 199 -207 | Internal Sound program 3                       |
|    |                  | 208 -216 | Internal Sound program 4                       |
|    |                  | 217 -225 | Internal Sound program 5                       |
|    |                  | 226 -234 | Internal Sound program 6                       |
|    |                  | 235 -243 | Internal Sound program 7                       |
|    |                  | 244 -252 | Internal Sound program 8                       |
|    |                  | 253 -255 | Internal Sound program 9                       |
| 29 | DIMMER           | 000-255  | Dimmer 0%-100%                                 |
| 30 | SHUTTER          | 000-031  | Shutter closed                                 |
|    |                  | 032 -063 | Shutter open                                   |
|    |                  | 064 -095 | Strobe effect slow to fast                     |
|    |                  | 096 -127 | Shutter open                                   |
|    |                  | 128-143  | Opening Pulse-effect in sequences slow to fast |
|    |                  | 144 -159 | Closing Pulse-effect in sequences fast to slow |
|    |                  | 160 -191 | Shutter open                                   |
|    |                  | 192 -223 | Random strobe effect slow to fast              |
|    |                  | 224 -255 | Shutter open                                   |
| 31 | RED              | 000-255  | 0-100% Red dimmer from dark to bright          |
| 32 | GREEN            | 000-255  | 0-100% Green dimmer from dark to bright        |
| 33 | BLUE             | 000-255  | 0-100% Blue dimmer from dark to bright         |
| 34 | WHITE            | 000-255  | 0-100% White dimmer from dark to bright        |
| 35 | MACRO COLOUR     | 000 -015 | No Function                                    |
|    |                  | 016 -031 | Red                                            |
|    |                  | 032 -047 | Green                                          |
|    |                  | 048 -063 | Blue                                           |
|    |                  | 064 -079 | White                                          |
|    |                  | 080 -095 | Red+Green                                      |
|    |                  | 096-111  | Red+Blue                                       |
|    |                  | 112 -127 | Red+White                                      |
|    |                  | 128 -143 | Green+Blue                                     |
|    |                  | 144 -159 | Green+White                                    |
|    |                  | 160 -175 | Blue+Wtihe                                     |
|    |                  | 176 -191 | R+G+B                                          |
|    |                  | 192 -207 | R+G+B+W                                        |
|    |                  | 208 -212 | 2700K                                          |
|    |                  | 213 -217 | 3200K                                          |

|    |             |          |                               |
|----|-------------|----------|-------------------------------|
|    |             | 218 -222 | 3500K                         |
|    |             | 223 -227 | 5000K                         |
|    |             | 228 -232 | 5500K                         |
|    |             | 233 -237 | 6000K                         |
|    |             | 238 -242 | 6500K                         |
|    |             | 243 -247 | 7000K                         |
|    |             | 248 -255 | 8000K                         |
| 36 | COLOUR TEMP | 000 -015 | No Function                   |
|    |             | 016-045  | Below 3200K                   |
|    |             | 046-075  | 3200K - 3500K                 |
|    |             | 076-105  | 3500K - 5000K                 |
|    |             | 106-135  | 5000K - 5500K                 |
|    |             | 136-165  | 5500K - 6000K                 |
|    |             | 166-195  | 6000K - 6500K                 |
|    |             | 196-225  | 6500K - 7000K                 |
|    |             | 226-255  | 7000K - 8000K                 |
| 37 | MACRO RUN   | 000 -015 | No function                   |
|    |             | 016 -031 | Macro Run 1                   |
|    |             | 032 -047 | Macro Run 2                   |
|    |             | 048 -063 | Macro Run 3                   |
|    |             | 064 -079 | Macro Run 4                   |
|    |             | 080-095  | Macro Run 5                   |
|    |             | 096 -111 | Macro Run 6                   |
|    |             | 112 -127 | Macro Run 7                   |
|    |             | 128 -143 | Macro Run 8                   |
|    |             | 144 -159 | Macro Run 9                   |
|    |             | 160 -175 | Macro Run 10                  |
|    |             | 176 -191 | Macro Run 11                  |
|    |             | 192 -207 | Macro Sound 1                 |
|    |             | 208 -223 | Macro Sound 2                 |
|    |             | 224 -239 | Macro Sound 3                 |
|    |             | 240 -256 | Macro Sound 4                 |
| 38 | MACRO SPEED | 000 -255 | Macro Speed from Slow To Fast |

## 62 CHANNELS

| CHANNEL | FUNCTION         | VALUE    | DESCRIPTION                                    |
|---------|------------------|----------|------------------------------------------------|
| 1       | HEAD 1 PAN       | 000-255  | Pan movement                                   |
| 2       | HEAD 1 PAN-FINE  | 000-255  | Fine control of Pan movement                   |
| 3       | HEAD 1 TILT      | 000-255  | Tilt Movement                                  |
| 4       | HEAD 1 TILT-FINE | 000-255  | Fine control of Tilt movement                  |
| 5       | HEAD 1 DIMMER    | 000-255  | Dimmer 0%...100%                               |
| 6       | HEAD 1 SHUTTER   | 000-031  | Shutter closed                                 |
|         |                  | 032 -063 | Shutter open                                   |
|         |                  | 064 -095 | Strobe effect slow to fast                     |
|         |                  | 096 -127 | Shutter open                                   |
|         |                  | 128 -143 | Opening Pulse-effect in sequences slow to fast |
|         |                  | 144-159  | Closing Pulse-effect in sequences fast to slow |
|         |                  | 160 -191 | shutter open                                   |



|    |                    |          |                                                |
|----|--------------------|----------|------------------------------------------------|
|    |                    | 192 -223 | Random strobe effect slow to fast              |
|    |                    | 224 -255 | Shutter open                                   |
| 7  | HEAD 1 RED         | 000-255  | 0-100% Red dimmer from dark to bright          |
| 8  | HEAD 1 GREEN       | 000-255  | 0-100% Green dimmer from dark to bright        |
| 9  | HEAD 1 BLUE        | 000-255  | 0-100% Blue dimmer from dark to bright         |
| 10 | HEAD 1 WHITE       | 000-255  | 0-100% White dimmer from dark to bright        |
| 11 | HEAD 1 ZOOM        | 000-255  | In(near) to out(far)                           |
| 12 | HEAD 1 MACRO       | 000-015  | No Function                                    |
|    |                    | 016-031  | Red                                            |
|    |                    | 032-047  | Green                                          |
|    |                    | 048-063  | Blue                                           |
|    |                    | 064-079  | White                                          |
|    |                    | 080-095  | Red+Green                                      |
|    |                    | 096-111  | Red+Blue                                       |
|    |                    | 112-127  | Red+White                                      |
|    |                    | 128-143  | Green+Blue                                     |
|    |                    | 144-159  | Green+White                                    |
|    |                    | 160-175  | Blue+White                                     |
|    |                    | 176-191  | R+G+B                                          |
|    |                    | 192-207  | R+G+B+W                                        |
|    |                    | 208-223  | Jump effect                                    |
|    |                    | 224-239  | Fading effect                                  |
|    |                    | 240-255  | Jump effect,Fading effect ,Pulse-effect        |
| 13 | HEAD 1 MACRO SPEED | 000-255  | Macro Speed from Slow To Fast                  |
| 14 | HEAD 2 PAN         | 000-255  | Pan movement                                   |
| 15 | HEAD 2 PAN-FINE    | 000-255  | Fine control of Pan movement                   |
| 16 | HEAD 2 TILT        | 000-255  | Tilt Movement                                  |
| 17 | HEAD 2 TILT-FINE   | 000-255  | Fine control of Tilt movement                  |
| 18 | HEAD 2 DIMMER      | 000-255  | Dimmer 0%...100%                               |
| 19 | Head 2 Shutter     | 000-031  | Shutter closed                                 |
|    |                    | 032-063  | Shutter open                                   |
|    |                    | 064-095  | Strobe effect slow to fast                     |
|    |                    | 096-127  | Shutter open                                   |
|    |                    | 128-143  | Opening Pulse-effect in sequences slow to fast |
|    |                    | 144-159  | Closing Pulse-effect in sequences fast to slow |
|    |                    | 160-191  | Shutter open                                   |
|    |                    | 192-223  | Random strobe effect slow to fast              |
|    |                    | 224-255  | Shutter open                                   |
| 20 | HEAD 2 RED         | 000-255  | 0-100% Red dimmer from dark to bright          |
| 21 | HEAD 2 GREEN       | 000-255  | 0-100% Green dimmer from dark to bright        |
| 22 | HEAD 2 BLUE        | 000-255  | 0-100% Blue dimmer from dark to bright         |
| 23 | HEAD 2 WHITE       | 000-255  | 0-100% White dimmer from dark to bright        |
| 24 | HEAD 2 ZOOM        | 000-255  | In(near)to out(far)                            |
| 25 | HEAD 2 MACRO       | 000-015  | No Function                                    |
|    |                    | 016-0031 | Red                                            |
|    |                    | 032-047  | Green                                          |
|    |                    | 048-063  | Blue                                           |
|    |                    | 064-079  | White                                          |
|    |                    | 080-095  | Red+Green                                      |
|    |                    | 096-111  | Red+Blue                                       |
|    |                    | 112-127  | Red+White                                      |

|    |                    |          |                                                |
|----|--------------------|----------|------------------------------------------------|
|    |                    | 128-143  | Green+Blue                                     |
|    |                    | 144-159  | Green+White                                    |
|    |                    | 160-175  | Blue+White                                     |
|    |                    | 176-191  | R+G+B                                          |
|    |                    | 192-207  | R+G+B+W                                        |
|    |                    | 208-223  | Jump effect                                    |
|    |                    | 224-239  | Fading effect                                  |
|    |                    | 240-255  | Jump effect,Fading effect ,Pulse-effect        |
| 26 | HEAD 2 MACRO SPEED | 000-255  | Macro Speed from Slow To Fast                  |
| 27 | SPEED PAN/TILT     | 000 -225 | Max to min speed                               |
|    |                    | 226-235  | Blackout by movement                           |
|    |                    | 236-255  | No function                                    |
| 28 | SPECIAL FUNCTION   | 000-079  | No function                                    |
|    |                    | 080 -089 | All Motor reset                                |
|    |                    | 090-094  | Scan motor reset                               |
|    |                    | 095 -099 | Zoom motor reset                               |
|    |                    | 100 -108 | Internal program 1                             |
|    |                    | 109 -117 | Internal program 2                             |
|    |                    | 118 -126 | Internal program 3                             |
|    |                    | 127 -135 | Internal program 4                             |
|    |                    | 136 -144 | Internal program 5                             |
|    |                    | 145 -153 | Internal program 6                             |
|    |                    | 154 -162 | Internal program 7                             |
|    |                    | 163 -171 | Internal program 8                             |
|    |                    | 172 -180 | Internal program 9                             |
|    |                    | 181 -189 | Internal Sound program 1                       |
|    |                    | 190 -198 | Internal Sound program 2                       |
|    |                    | 199 -207 | Internal Sound program 3                       |
|    |                    | 208 -216 | Internal Sound program 4                       |
|    |                    | 217 -225 | Internal Sound program 5                       |
|    |                    | 226 -234 | Internal Sound program 6                       |
|    |                    | 235 -243 | Internal Sound program 7                       |
|    |                    | 244 -252 | Internal Sound program 8                       |
|    |                    | 253 -255 | Internal Sound program 9                       |
| 29 | DIMMER             | 000-255  | Dimmer 0%-100%                                 |
| 30 | SHUTTER            | 000-031  | Shutter closed                                 |
|    |                    | 032 -063 | Shutter open                                   |
|    |                    | 064 -095 | Strobe effect slow to fast                     |
|    |                    | 096 -127 | Shutter open                                   |
|    |                    | 128-143  | Opening Pulse-effect in sequences slow to fast |
|    |                    | 144 -159 | Closing Pulse-effect in sequences fast to slow |
|    |                    | 160 -191 | Shutter open                                   |
|    |                    | 192 -223 | Random strobe effect slow to fast              |
|    |                    | 224 -255 | Shutter open                                   |
| 31 | RED                | 000-255  | 0-100% Red dimmer from dark to bright          |
| 32 | GREEN              | 000-255  | 0-100% Green dimmer from dark to bright        |
| 33 | BLUE               | 000-255  | 0-100% Blue dimmer from dark to bright         |
| 34 | WHITE              | 000-255  | 0-100% White dimmer from dark to bright        |
| 35 | MACRO COLOUR       | 000 -015 | No Function                                    |
|    |                    | 016 -031 | Red                                            |
|    |                    | 032 -047 | Green                                          |

|    |             |          |                                              |
|----|-------------|----------|----------------------------------------------|
|    |             | 048 -063 | Blue                                         |
|    |             | 064 -079 | White                                        |
|    |             | 080 -095 | Red+Green                                    |
|    |             | 096 -111 | Red+Blue                                     |
|    |             | 112 -127 | Red+White                                    |
|    |             | 128 -143 | Green+Blue                                   |
|    |             | 144 -159 | Green+White                                  |
|    |             | 160 -175 | Blue+Wtite                                   |
|    |             | 176 -191 | R+G+B                                        |
|    |             | 192 -207 | R+G+B+W                                      |
|    |             | 208 -212 | 2700K                                        |
|    |             | 213 -217 | 3200K                                        |
|    |             | 218 -222 | 3500K                                        |
|    |             | 223 -227 | 5000K                                        |
|    |             | 228 -232 | 5500K                                        |
|    |             | 233 -237 | 6000K                                        |
|    |             | 238 -242 | 6500K                                        |
|    |             | 243 -247 | 7000K                                        |
|    |             | 248 -255 | 8000K                                        |
| 36 | COLOUR TEMP | 000 -015 | No Function                                  |
|    |             | 016 -045 | Below 3200K                                  |
|    |             | 046 -075 | 3200K - 3500K                                |
|    |             | 076 -105 | 3500K - 5000K                                |
|    |             | 106 -135 | 5000K - 5500K                                |
|    |             | 136 -165 | 5500K - 6000K                                |
|    |             | 166 -195 | 6000K - 6500K                                |
|    |             | 196 -225 | 6500K - 7000K                                |
|    |             | 226 -255 | 7000K - 8000K                                |
| 37 | MACRO RUN   | 000 -015 | No function                                  |
|    |             | 016 -031 | Macro Run 1                                  |
|    |             | 032 -047 | Macro Run 2                                  |
|    |             | 048 -063 | Macro Run 3                                  |
|    |             | 064 -079 | Macro Run 4                                  |
|    |             | 080 -095 | Macro Run 5                                  |
|    |             | 096 -111 | Macro Run 6                                  |
|    |             | 112 -127 | Macro Run 7                                  |
|    |             | 128 -143 | Macro Run 8                                  |
|    |             | 144 -159 | Macro Run 9                                  |
|    |             | 160 -175 | Macro Run 10                                 |
|    |             | 176 -191 | Macro Run 11                                 |
|    |             | 192 -207 | Macro Sound 1                                |
|    |             | 208 -223 | Macro Sound 2                                |
|    |             | 224 -239 | Macro Sound 3                                |
|    |             | 240 -256 | Macro Sound 4                                |
| 38 | MACRO SPEED | 000 -255 | Macro Speed from Slow To Fast                |
| 39 | RED 1       | 000-255  | Red in pixel 1 saturation control (0-100%)   |
| 40 | GREEN 1     | 000-255  | Green in pixel 1 saturation control (0-100%) |
| 41 | BLUE 1      | 000-255  | Blue in pixel 1 saturation control (0-100%)  |
| 42 | WHITE 1     | 000-255  | White in pixel 1 saturation control (0-100%) |
| 43 | RED 2       | 000-255  | Red in pixel 2 saturation control (0-100%)   |
| 44 | GREEN 2     | 000-255  | Green in pixel 2 saturation control (0-100%) |

|    |         |         |                                              |
|----|---------|---------|----------------------------------------------|
| 45 | BLUE 2  | 000-255 | Blue in pixel 2 saturation control (0-100%)  |
| 46 | WHITE 2 | 000-255 | White in pixel 2 saturation control (0-100%) |
| 47 | RED 3   | 000-255 | Red in pixel 3 saturation control (0-100%)   |
| 48 | GREEN 3 | 000-255 | Green in pixel 3 saturation control (0-100%) |
| 49 | BLUE 3  | 000-255 | Blue in pixel 3 saturation control (0-100%)  |
| 50 | WHITE 3 | 000-255 | White in pixel 3 saturation control (0-100%) |
| 51 | RED 4   | 000-255 | Red in pixel 4 saturation control (0-100%)   |
| 52 | GREEN 4 | 000-255 | Green in pixel 4 saturation control (0-100%) |
| 53 | BLUE 4  | 000-255 | Blue in pixel 4 saturation control (0-100%)  |
| 54 | WHITE 4 | 000-255 | White in pixel 4 saturation control (0-100%) |
| 55 | RED 5   | 000-255 | Red in pixel 5 saturation control (0-100%)   |
| 56 | GREEN 5 | 000-255 | Green in pixel 5 saturation control (0-100%) |
| 57 | BLUE 5  | 000-255 | Blue in pixel 5 saturation control (0-100%)  |
| 58 | WHITE 5 | 000-255 | White in pixel 5 saturation control (0-100%) |
| 59 | RED 6   | 000-255 | Red in pixel 6 saturation control (0-100%)   |
| 60 | GREEN 6 | 000-255 | Green in pixel 6 saturation control (0-100%) |
| 61 | BLUE 6  | 000-255 | Blue in pixel 6 saturation control (0-100%)  |
| 62 | WHITE 6 | 000-255 | White in pixel 6 saturation control (0-100%) |









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