

| Channel | Function | Value | Description |
|---------|--------------------------------|---------|---|
| CH1 | Laser ON/OFF | 0 | Laser OFF |
| | | 1-99 | AUTO |
| | | 100-199 | Sound active |
| | | 200-254 | Saving |
| | | 255 | Pattern A, OFF |
| CH2 | Out of bounds and Pattern size | 0-49 | Out of bounds Crossing |
| | | 50-99 | Out of bounds Reentry |
| | | 100-149 | Out of bounds Blanking |
| | | 150-199 | Pattern zoom out, Out of bounds Blanking |
| | | 200-255 | Saving |
| CH3 | Group selections | 0-223 | Group 1 |
| CH4 | Pattern selections | 244-255 | Group 0 |
| CH5 | Pattern Zoom IN/OUT | 0-255 | Each value for one pattern; If over the pattern numbers, then program displaying the max number |
| | | 0-127 | Static pattern size |
| | | 128-159 | Dynamic Zoom OUT.the bigger value, the faster speed |
| | | 160-191 | Dynamic Zoom IN.the bigger value, the faster speed |
| | | 192-223 | Dynamic Zoom IN/OUT.the bigger value, the faster speed |
| CH6 | Pattern rotation | 224-255 | Dynamic Zoom Rotation.the bigger value, the faster speed |
| | | 0-127 | Static rotation |
| | | 128-159 | Dynamic rotation 2 circles clockwise and counter clockwise. the bigger value, the faster speed |
| | | 160-191 | Dynamic rotation 1 circle clockwise and counter clockwise. the bigger value, the faster speed |
| | | 192-223 | Dynamic rotation clockwise. the bigger value, the faster speed |
| CH7 | X Moving | 224-255 | Dynamic rotation counter clockwise. the bigger value, the faster speed |
| | | 0-127 | Static X moving |
| | | 128-159 | Dynamic UP moving wave effect. the bigger value, the faster speed |
| | | 160-191 | Dynamic DOWN moving wave effect. the bigger value, the faster speed |
| | | 192-223 | Dynamic LEFT moving. the bigger value, the faster speed |
| CH8 | Y Moving | 224-255 | Dynamic RIGHT moving. the bigger value, the faster speed |
| | | 0-127 | Static Y moving |
| | | 128-159 | Dynamic RIGHT moving wave effect. the bigger value, the faster speed |
| | | 160-191 | Dynamic LEFT moving wave effect. the bigger value, the faster speed |
| | | 192-223 | Dynamic DOWN moving. the bigger value, the faster speed |
| | | 224-255 | Dynamic UP moving. the bigger value, the faster speed |
| | | 0-127 | Static size |
| | | 128-159 | Dynamic UP moving distortion. the bigger value, the faster speed |
| | | 160-191 | Dynamic DOWN moving distortion. the bigger value, the faster speed |
| | | 192-223 | Dynamic Zoom IN/OUT |

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| CH9 | X Zoom IN/OUT | 224-255 | Dynamic Rotation Zoom IN/OUT. the bigger value, the faster speed |
| CH10 | Y Zoom IN/OUT | 0-127 | Static size |
| | | 128-159 | Dynamic RIGHT moving distortion. the bigger value, the faster speed |
| | | 160-191 | Dynamic LEFT moving distortion. the bigger value, the faster speed |
| | | 192-223 | Dynamic Zoom IN/OUT |
| | | 224-255 | Dynamic Rotation Zoom IN/OUT. the bigger value, the faster speed |
| CH11 | Fixed Color setting | 0 | Original color |
| CH12 | Pattern color change | 1-255 | Color change with each n dot |
| | | 0-7 | Original color |
| | | 8-15 | red |
| | | 16-23 | yellow |
| | | 24-31 | green |
| | | 32-39 | cyan |
| | | 40-47 | blue |
| | | 48-55 | pink |
| | | 65-63 | white |
| | | 64-95 | Whole pattern RGB.the bigger value, the faster speed |
| | | 96-127 | Whole pattern YCP.the bigger value, the faster speed |
| | | 128-159 | Whole pattern RGBYCPW.the bigger value, the faster speed |
| | | 160-191 | 7 Color RGBYCPW.the bigger value, the faster speed |
| | | 192-223 | Sine Chasing color change |
| | | 224-255 | Cosine Chasing color change |
| CH13 | Dots | 0-63 | Original Dots |
| | | 64-127 | Pattern no Dots effect, sweep line blanking |
| | | 128-159 | Pattern no Dots effect, Sweep line no blanking |
| | | 160-255 | Saving |
| CH14 | Drawing and other functions(working with Channel 15) | 0-255 | On CH15 value 0-127, pattern moving drawing all ON to keep the time |
| CH15 | Drawing (CH15 and CH14 together) | 0-255 | On CH15 value 128-255, walking drawing line quantity |
| | | 0-63 | Sine manual drawing |
| | | 64-127 | Cosine manual drawing |
| | | 128-159 | Dynamic drawing A Effects. the bigger value, the faster speed |
| | | 160-191 | Dynamic drawing B Effects. the bigger value, the faster speed |
| | | 192-223 | Dynamic drawing C Effects. the bigger value, the faster speed |
| | | 224-255 | Dynamic drawing D Effects. the bigger value, the faster speed |
| CH16 | Twist pattern change | 0-255 | The more value, the less twisting (notes: when zoom in, rotation, moving, rolling twisting effects, CH16 can control the effect) |
| CH17 | Grating selection (notes: in some sections, more value then less gobo angle) | 0-19 20-39 40-59 3..... 240-255 13 | Grating group 1. 1. The bigger digit, the smaller pattern. |

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|------|--------------------------------|---------|---|
| CH18 | ON/OFF Laser | 0 | All OFF |
| | | 1-99 | AUTO |
| | | 100-199 | SOUND |
| | | 200-254 | Saving |
| | | 255 | Group A OFF, Group B ON |
| CH19 | Out of bounds and pattern size | 0-49 | Out of bounds Crossing. The bigger digit, the smaller pattern. |
| | | 50-99 | Out of bounds Reentry |
| | | 100-149 | Out of bounds Blanking |
| | | 150-255 | Saving |
| CH20 | No function | blank | |
| CH21 | Pattern selections | 0-255 | Each value for one pattern; If over the pattern numbers, then program displaying the max number |
| CH22 | Pattern Zoom IN/OUT | 0-127 | Static pattern size |
| | | 128-159 | Dynamic Zoom OUT.the bigger value, the faster speed |
| | | 160-191 | Dynamic Zoom IN.the bigger value, the faster speed |
| | | 192-223 | Dynamic Zoom IN/OUT.the bigger value, the faster speed |
| | | 224-255 | Dynamic Zoom Rotation.the bigger value, the faster speed |
| CH23 | Pattern rotation | 0-127 | Static rotation |
| | | 128-159 | Dynamic rotation 2 circles clockwise and counter clockwise. the bigger value, the faster speed |
| | | 160-191 | Dynamic rotation 1 circle clockwise and counter clockwise. the bigger value, the faster speed |
| | | 192-223 | Dynamic rotation clockwise. the bigger value, the faster speed |
| | | 224-255 | Dynamic rotation counter clockwise. the bigger value, the faster speed |
| CH24 | X Moving | 0-127 | Static X moving |
| | | 128-159 | Dynamic UP moving wave effect. the bigger value, the faster speed |
| | | 160-191 | Dynamic DOWN moving wave effect. the bigger value, the faster speed |
| | | 192-223 | Dynamic LEFT moving. the bigger value, the faster speed |
| | | 224-255 | Dynamic RIGHT moving. the bigger value, the faster speed |
| CH25 | Y Moving | 0-127 | Static Y moving |
| | | 128-159 | Dynamic RIGHT moving wave effect. the bigger value, the faster speed |
| | | 160-191 | Dynamic LEFT moving wave effect. the bigger value, the faster speed |
| | | 192-223 | Dynamic DOWN moving. the bigger value, the faster speed |
| | | 224-255 | Dynamic UP moving. the bigger value, the faster speed |
| CH26 | X Zoom IN/OUT | 0-127 | Static size |
| | | 128-159 | Dynamic UP moving distortion. the bigger value, the faster speed |
| | | 160-191 | Dynamic DOWN moving distortion. the bigger value, the faster speed |
| | | 192-223 | Dynamic Zoom IN/OUT |
| | | 224-255 | Dynamic Rotation Zoom IN/OUT. the bigger value, the faster speed |
| | | 0-127 | Static size |

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| CH27 | Y Zoom IN/OUT | 128-159 | Dynamic RIGHT moving distortion. the bigger value, the faster speed |
| | | 160-191 | Dynamic LEFT moving distortion. the bigger value, the faster speed |
| | | 192-223 | Dynamic Zoom IN/OUT |
| | | 224-255 | Dynamic Rotation Zoom IN/OUT. the bigger value, the faster speed |
| CH28 | Fixed Color setting | 0 | Original color |
| | | 1-255 | Color change with each n dot |
| CH29 | Pattern color change | 0-7 | Original color |
| | | 8-15 | red |
| | | 16-23 | yellow |
| | | 24-31 | green |
| | | 32-39 | cyan |
| | | 40-47 | blue |
| | | 48-55 | pink |
| | | 65-63 | white |
| | | 64-95 | Whole pattern RGB.the bigger value, the faster speed |
| | | 96-127 | Whole pattern YCP.the bigger value, the faster speed |
| | | 128-159 | Whole pattern RGBYCPW.the bigger value, the faster speed |
| | | 160-191 | 7 Color RGBYCPW.the bigger value, the faster speed |
| | | 192-223 | Sine Chasing color change |
| | | 224-255 | Cosine Chasing color change |
| CH30 | Dots | 0-63 | Original Dots |
| | | 64-127 | Pattern no Dots effect, sweep line blanking |
| | | 128-159 | Pattern no Dots effect, Sweep line no blanking |
| | | 160-255 | Saving |
| CH31 | Drawing and other functions(working with Channel 15) | 0-255 | On CH15 value 0-127, pattern moving drawing all ON to keep the time |
| | | 0-255 | On CH15 value 128-255, walking drawing line quantity |
| CH32 | Drawing (CH15 and CH14 together) | 0-63 | Sine manual drawing |
| | | 64-127 | Cosine manual drawing |
| | | 128-159 | Dynamic drawing A Effects. the bigger value, the faster speed |
| | | 160-191 | Dynamic drawing B Effects. the bigger value, the faster speed |
| | | 192-223 | Dynamic drawing C Effects. the bigger value, the faster speed |
| | | 224-255 | Dynamic drawing D Effects. the bigger value, the faster speed |
| CH33 | Twist pattern change | 0-255 | The more value, the less twisting (notes: when zoom in, rotation, moving, rolling twisting effects, CH16 can control the effect) |
| CH34 | Grating selection (notes: in some sections, more value then less gobo angle) | 0-19 20-39 | Grating group 1. 1. The bigger digit, the smaller pattern. |
| | | 40-59 3... | |
| | | 240-25 5 13 | |