

User Manual

KNV



KNV
CUBE



KNV
ARC

Software Version 14



GLP® KNV Cube and Arc User Manual – Revision A

This manual covers fixture software version 14

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1. Safety

Key to symbols

The following symbols are used in the product's user documentation:



Warning! Safety hazard.
Risk of injury or death.



Warning! Hazardous voltage.
Risk of lethal or severe electric shock.



Warning! See user documentation for important safety information.



Warning! Fire hazard.



Warning! Risk of eye injury.



Warning! Read the **KNV Quick Start and Safety Manual** supplied with the product and available for download from www.glp.de before installing, using or servicing the product. The **Quick Start and Safety Manual** contains important information for the safe use of KNV fixtures. If you fail to read that information you may create a safety hazard with a risk of injury, death or damage.

If you have any doubts or questions about how to use the product safely, contact your GLP supplier for assistance. Your GLP supplier will be happy to help.

The user documentation for GLP® KNV lighting fixtures consists of three documents:

- The **KNV Quick Start and Safety Manual**, supplied with KNV fixtures and available for download from www.glp.de. The Quick Start and Safety Manual contains important safety information and installation instructions that the installer and user must read. It also contains dimensions drawings and technical specifications for the product.
- The **KNV User Manual**, available for download from www.glp.de. The User Manual explains features and control of KNV fixtures.
- The **KNV DMX Channel Index**, available for download from www.glp.de. The Channel Index is a separate document containing the DMX control channel layout and DMX commands available in the fixture. This information is also available in the product's user manual.

The KNV is intended for use by experienced professionals with the knowledge and skills to set up, operate, and maintain high-powered, remotely controlled lighting equipment safely and efficiently. These operations require expertise that may not be provided in this manual.

- Respect all warnings and directions given in the product's user documentation and on the product. Read the product's Quick Start and Safety Manual and familiarize yourself with the safety precautions it contains before installing, using or servicing the product. GLP and affiliated companies will take no responsibility for damage or injury resulting from disregard for the information in the user documentation.
- Check the GLP website at www.glp.de and make sure that you have the latest versions of the product's Quick Start and Safety Manual and this user manual.
- Check the fixture software version indicated on page 2 of this user manual and then use the fixture's control panel to check the version installed in the fixture. If the versions are not the same, the user manual may still cover the fixture, because software updates do not always affect the way you use the fixture. However, it is possible that the manual does not match the fixture perfectly. Software release notes can help clarify this question. You can consult software release notes and download the correct version of this user manual on the GLP website if necessary.
- Make both the Quick Start and Safety Manual and this user manual available to all persons who will install, operate or service the product. Save both documents for future reference.
- If you have any questions about the safe operation of the fixture, please contact an authorized GLP distributor (see list of distributors at www.glp.de).

GLP Service and Support

Contact information for the nearest GLP Service and Support is available online at www.glp.de/en/service, by email at info@glp.de, or by telephone at the following numbers:

- GLP Germany: +49 (7248) 927 19-55
- GLP N. America: +1 818 767-8899
- GLP UK: +44 1392 690140
- GLP Asia: +852 (3151) 7730
- GLP Nordic: +46 737 57 11 40

2. KNV Cube overview

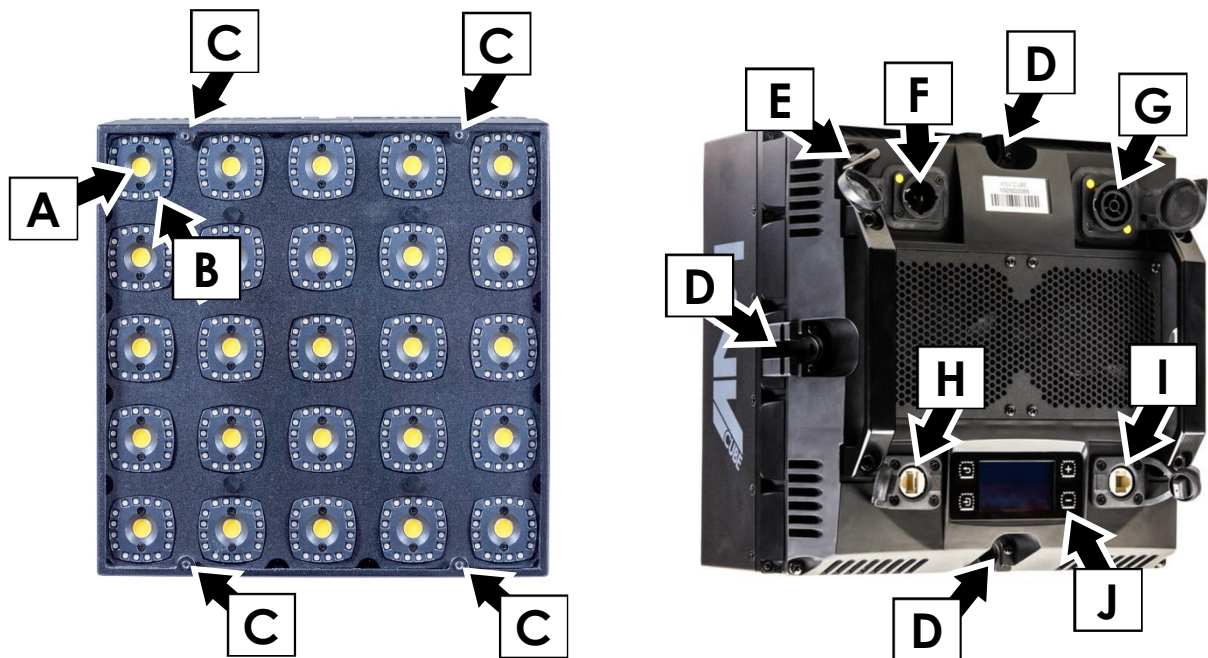


Figure 1. Cube overview

- A – White LED
- B – RGB LEDs
- C – Mounting points for optical accessories
- D – Mechanical connector attachment points
- E – Safety cable attachment point
- F – AC mains power IN (Neutrik powerCON TRUE1)
- G – AC mains power OUT / THRU (Neutrik powerCON TRUE1)
- H – Neutrik EtherCON port for control data (DMX/Art-Net/sACN in/out)
- I – Neutrik EtherCON port for control data (DMX/Art-Net/sACN in/out)
- J – Control panel with backlit LCD display

3. KNV Arc overview

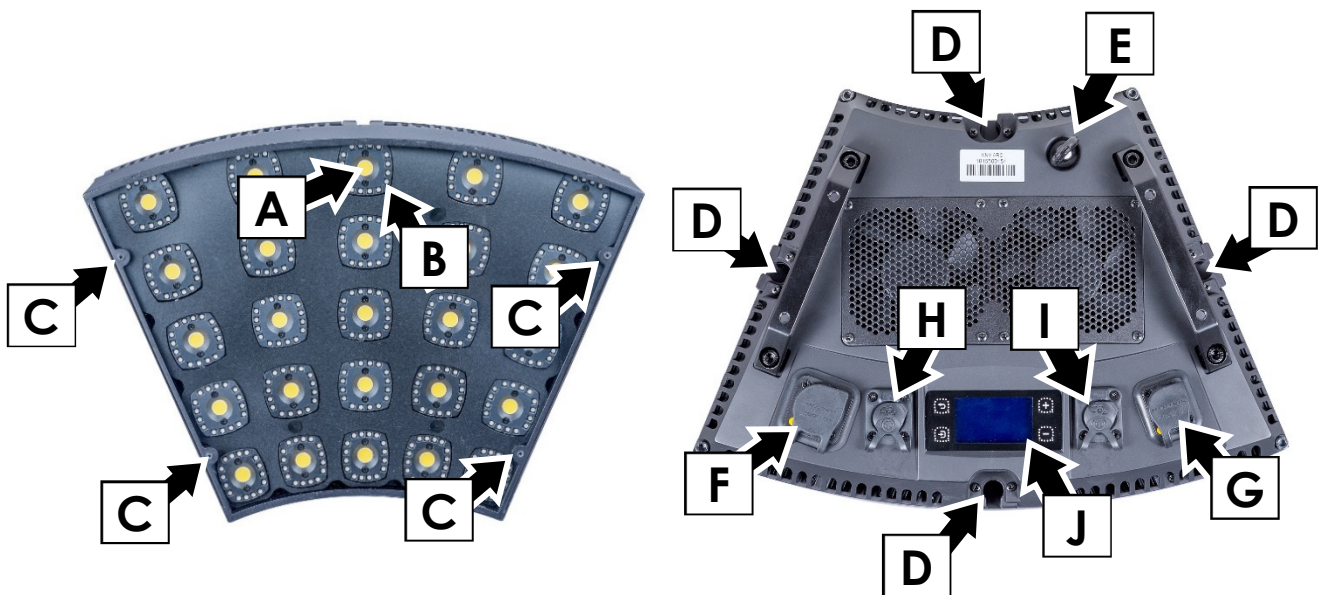


Figure 2. Arc overview

- A – White LED**
- B – RGB LEDs**
- C – Mounting points for optical accessories**
- D – Mechanical connector attachment points**
- E – Safety cable attachment point**
- F – AC mains power IN (Neutrik powerCON TRUE1)**
- G – AC mains power OUT / THRU (Neutrik powerCON TRUE1)**
- H – Neutrik EtherCON port for control data (DMX/Art-Net/sACN in/out)**
- I – Neutrik EtherCON port for control data (DMX/Art-Net/sACN in/out)**
- J – Control panel with backlit LCD display**

4. Features

The KNV from GLP is a powerful strobe/color effect lighting fixture. It is available in modular Cube and Arc variants that can be interlocked and combined to form lines and curves, giving enormous creative possibilities.

The fixture combines powerful white light output from a 5x5 matrix of 30-watt cool white LEDs with bright color output from a color wash panel that uses 400 high-quality RGB LEDs in circles around the white LEDs. Total luminous flux can exceed 50 000 lumens per module.

The LED array can be pixel-mapped through any standard controller. White and color output can be controlled separately or combined for stunning strobe, continuous output and wash effects. Using the powerful internal multilayer FX engine, complex dynamic effects can be created quickly with no need for a separate pixel-mapping media server.

The KNV can be used indoors in permanent and temporary installations. Its rugged construction and IP54 rating mean that it can also be used outdoors in temporary installations if precautions are taken to prevent immersion in water and damage from direct sunlight. It can be placed upright on a level surface or suspended from a suitable structure as described in the product's Quick Start and Installation Manual.

Four mounting points with M3 threaded holes are provided on the front of KNV fixtures for mounting optical accessories from GLP.

Power and data can be daisy-chained and products can be interlocked for ease of installation.

The KNV is not suitable for household use, for use in any location where unattended children have access to it, or for use in permanent outdoor installations.

White LEDs

The KNV features a 5x5 matrix of cool white LEDs that produce powerful white light at 5000 K. The white LEDs can be controlled together or individually depending on the DMX control mode selected.

The white LEDs offer shutter and dimming effects including a powerful strobe, flashing at up to 16.67 Hz, or operate continuously to give high-output wash effects with a 120° beam angle.

You can also select from a wide range of pre-programmed dynamic FX patterns to run on the white LEDs.

Color LEDs

The KNV's 400 RGB LEDs are arranged into circles of 16 LEDs that surround each white LED. The RGB LEDs can be controlled together or individually depending on the DMX control mode selected.

You can run a wide range of color effects (including strobe effects and dynamic FX patterns) on the RGB LEDs, or you can operate them continuously using RGB color mixing to provide a color wash with a 120° beam angle.

You can also use the RGB LEDs to add blue or red to the powerful white LEDs and adjust their color temperature.

Pixel mapping

If you control the KNV's 5 x 5 matrix of LED blocks individually, pixels are numbered as shown below as seen from the front of the fixture:

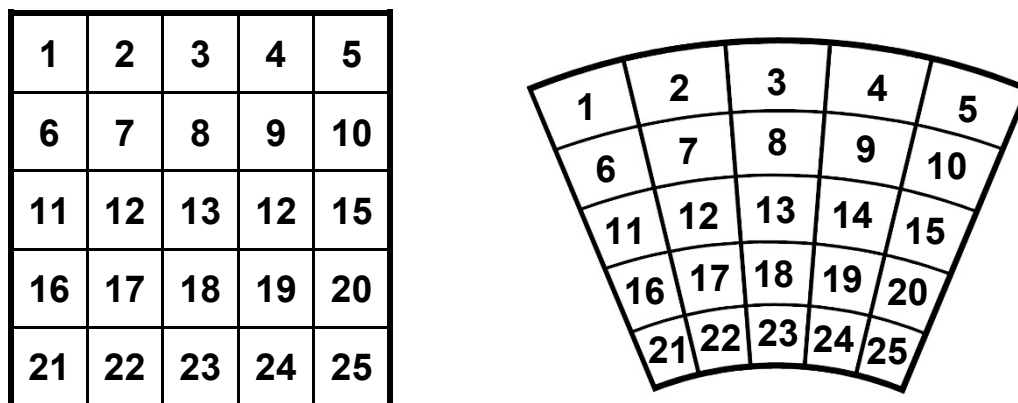


Figure 3. Pixel layout, Cube and Arc fixtures

Pixel mirror

The *Pixel mirror* setting flips the numbering of the KNV's pixels right to left. This lets you set up symmetrical effects in multiple fixtures quickly without the need to reprogram cues.

Figure 3 above shows the default pixel orientation when *Pixel mirror* is set to **OFF** (Normal). Figure 4 below shows the pixel orientation when *Pixel mirror* is set to **ON**.

You can apply *Pixel mirror* using the *Control / Settings* DMX channel or in the control panel.

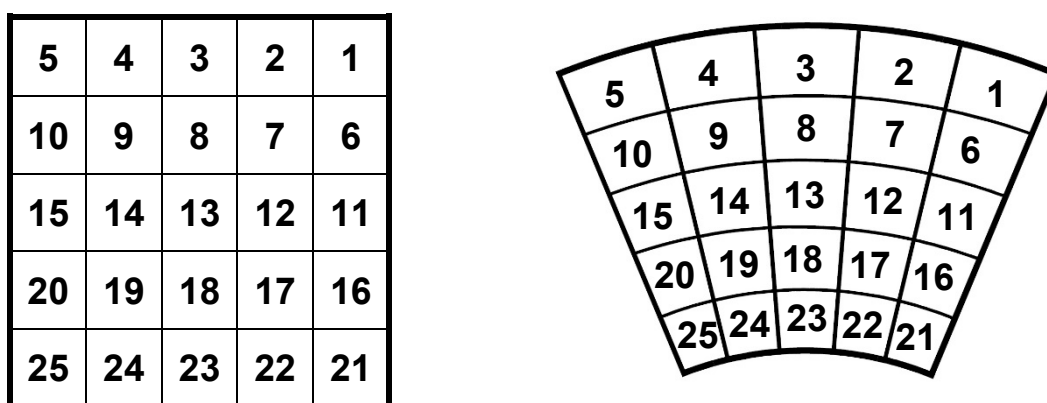


Figure 4. Pixel Mirror = ON

If you want to check a fixture's *Pixel mirror* status from the control desk, apply a Test pattern (see Figure 6 on page 15) on the *Control / Settings* DMX channel.

Pixel orientation

In addition to the *Pixel mirror* setting described above, you can rotate the pixels in 90° steps using the *Control / Settings* DMX channel or the fixture's control panel.

Dimming

See Figure 5. You can select from two dimming curves using the control panel or the *Control / Settings* DMX channel – **Linear** and **Soft**:

- Light output using the **Linear** curve will appear to increase and decrease evenly throughout the dimming range.
- The **Soft** curve gives finer control at low light levels (where the eye is more sensitive to changes in light level) and coarser control at high levels.

The default setting is **Soft**.

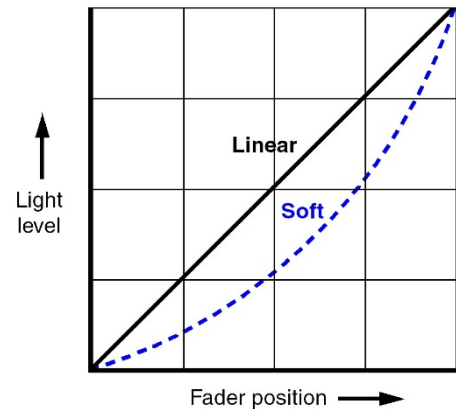


Figure 5. Dimming curves

Flare effect

A feature which we call the *Flare effect* can be applied to flashes when they are activated on strobe channels. The *Flare effect* is an interference effect that you can superimpose onto a flash. This effect is particularly impressive when combined with increased flash length.

Random pixel sparkle

The KNV's *Flare effect* channels include a *Random pixel* setting. This setting applies the flare effect to individual pixels at random, giving an impressive sparkling effect. Again, we recommend that you try combining this effect with increased flash length.

Hyperspeed

Hyperspeed is a very fast flash rate on the Shutter effects channels that gives a very powerful effect.

FX

The KNV's pre-programmed dynamic FX give you quick access to a wide range of dynamic patterns and movement options.

When FX are active, you can control them using six DMX channels:

- Five dedicated channels let you select an FX, set a crossfading speed, set pattern orientation, adjust FX length in pixels and set offsets.
- In addition to these channels, if an FX is active the third strobe channel becomes a sixth FX control channel and lets you adjust FX speed (see details below).

Dedicated FX channels

- The first FX channel, the **FX Selection** channel, lets you choose and activate an FX from a list of dynamic FX patterns.

If this channel is set to zero, the third strobe channel controls strobe flash rate. If an FX is selected on this channel, the third strobe channel controls FX speed.

- The second FX channel, the **FX Crossfading** channel, sets the time it takes for the FX to fade out. You can set FX to crossfading and apply a crossfading time from fast to slow. You can also set FX to leave a tail behind them and apply a crossfading time for the tail from slow to fast.
- The third FX channel, the **FX Orientation** channel, lets you select from a long list of options for the orientation of the FX. Running the same FX but with different orientation options in multiple fixtures is a fast way to set up symmetrical and/or coordinated effects.

- The fourth FX channel, the **FX Offset** channel, lets you apply offsets to the FX, a feature which lets you quickly set up synchronized FX chases in multiple fixtures.

Setting an offset determines the pixel *in the pattern* (not the pixel on the fixture) where the FX pattern will start. For example, if you set the length of an FX pattern to 10 pixels and you apply an offset of 6 pixels, the fixture will blackout for the time it takes the FX pattern to run on pixels 1 – 5, then the FX pattern will appear on the fixture when the pattern reaches pixel 6.

- The fifth FX control channel, the **FX Length** channel, lets you set the total length in pixels of the FX pattern.

FX speed control

If you select an FX on the *FX Selection* channel, the third strobe channel is redeployed and becomes the **FX Speed** control channel. Instead of controlling strobe flash rate, it now becomes the sixth FX control channel and lets you adjust the speed of the FX.

Setting up FX chases

If you select the same FX with the same speed in multiple fixtures, you can use the other FX channels in combination to set up an FX chase across multiple fixtures:

- **FX Crossfading / Crossfading with tail** sets the rate at which one FX pattern step fades out before the next pattern step arrives.
- **FX Orientation** can be used to add variety to a chase or set up multiple coordinated chases in different groups of fixtures.
- **FX Offset** sets the pixel on which the FX pattern will start.

An FX pattern with no offset starts on pixel 1. You will obtain this if you set the FX Offset channel to zero and also if you set the FX Offset channel to 001.

- **FX Length** sets the number of pixels over which the FX pattern will run.

The normal FX length is 5 pixels. You will obtain this 5-pixel length if you set the FX Length channel to zero. It is not possible to set FX Length to less than 5 pixels.

When you set up FX chases, you will normally achieve the best results by increasing FX length in steps of 5 pixels (one fixture).

To obtain synchronized chases in multiple fixtures you must set up FX Length and FX Offset parameters in combination. Here is how FX Length and FX Offset work in a single fixture:

- FX Length = Off (DMX value zero on the *FX Length* DMX channel): The FX pattern will have the normal length of five pixels. It will start at pixel 1, run from pixel 1 to pixel 5 and then immediately start at pixel 1 again.
- FX Length = 30 (DMX value 030 on the *FX Length* DMX channel): The FX pattern will start at pixel 1, run from pixel 1 to pixel 5 and then black out for the time it takes to run the FX pattern on pixels 6 – 30.
- FX Offset = Off (DMX value zero on the *FX Offset* DMX channel): The FX pattern will start at pixel 1.
- FX Offset = 6 (DMX value 006 on the *FX Offset* DMX channel): The FX pattern will start at pixel 6. If you have set an FX length of 30, the pixels will black out for the time it takes to run the FX pattern on pixels 1 – 5, then run the FX pattern on pixels 6 – 10, then black out for the time it takes to run the FX pattern on pixels 11 – 30.

To create a single FX pattern chase that will run across an array of multiple fixtures, you need to:

- Set FX Length in all the fixtures to the total number of pixels that the pattern will run across, and
- Set FX Offset in each fixture in a sequence five pixels apart.

This means that, if you want an FX pattern to run across six fixtures in a horizontal row and return immediately to pixel 1 when it reaches pixel 30 at the end of the row, you must set FX Length to 30 on all six fixtures and set FX Offsets with a gap of five pixels between fixtures. To give a concrete example, here is how you must set up each fixture:

- Fixture 1: FX Length = 30, FX Offset = 1
FX will start at Pixel 1 of the 30 pixels in FX Length and run on pixels 1 - 5
- Fixture 2: FX Length = 30, FX Offset = 6
FX will start at Pixel 6 of the 30 pixels in FX Length and run on pixels 6 - 10
- Fixture 3: FX Length = 30, FX Offset = 11
FX will start at Pixel 11 of the 30 pixels in FX Length and run on pixels 11 – 15
- Fixture 4: FX Length = 30, FX Offset = 16
FX will start at Pixel 16 of the 30 pixels in FX Length and run on pixels 16 - 20
- Fixture 5: FX Length = 30, FX Offset = 21
FX will start at Pixel 21 of the 30 pixels in FX Length and run on pixels 21 - 25
- Fixture 6: FX Length = 30, FX Offset = 26
FX will start at Pixel 26 of the 30 pixels in FX Length and run on pixels 26 - 30

RGB color generator

Where available, the RGB color generator effect gives instant access to automatic color effects such as random colors, ramp up/down colors and random pixel colors. These effects would be difficult to program on a DMX controller.

Extra shutter

In DMX modes 1, 6 and 7, an extra shutter effect is available. You can choose whether this shutter effect should run on all LEDs (RGBW), on RGB LEDs only or on White LEDs only. You can make this choice via DMX on the Control / Settings channel in modes 1, 6 and 7 or using the fixture's control panel.

The default setting for the extra shutter effect is RGBW.

Behavior when the fixture is not receiving a DMX signal

You can set the fixture to react in three different ways if no DMX signal is present (if the fixture is being controlled by DMX but the DMX signal stops, or if you apply power to the fixture when no DMX signal is present):

- **Hold** sets the fixture to continue obeying the last DMX values it received. This is the default setting.

If no DMX signal was being received, the fixture will black out.

- **Blackout** sets the fixture to black out.
- **Stand-alone** sets the fixture to show the scene that has been stored using *Capture scene* (see below). For safety reasons and to avoid unwanted surprises, the Stand-alone scene will always fade in slowly if it is activated.

To program the scene that the fixture will display if it is set to Stand-alone and no DMX signal is present, use the *Capture scene* command:

- **Capture scene** stores the scene that the fixture is currently displaying. Once stored, the scene is used as the fixture's *Stand-alone* scene.

All these settings are available via DMX on the *Control / Settings* channel and in the fixture's control panel.

To avoid any possibility of unexpected behavior from a powerful strobe light if the DMX signal fails, we recommend that you always set the fixture to *Blackout*.

Dimmer Flash mode

A shortcut to creating single flashes is available if you activate *Dimmer Flash* using the *Control / Settings* DMX channel or the *Settings* menu in the fixture's control panel.

When *Dimmer Flash* mode is enabled, if the Flash rate channel (the third of the Strobe channels) is set to zero, any new DMX value that you input on the Intensity channel (the first of the Strobe channels) will produce a single flash. In effect, all you need to do is 'nudge the dimmer fader' to produce a flash.

If you activate this function, you can tap flashes in sync with a music beat, easily keeping track of changes in the beat.

Display

The illuminated graphic LCD display with self-charging battery lets you change fixture settings even when the power is off. See Chapters 5 and 6 for more details.

Using the *Control / Settings* DMX channel or the fixture's control panel you can:

- Change the display orientation from Normal to Inverted for easier reading if the fixture is flown upside-down in a rig.
- Choose between three different display modes:
 - **Auto:** The display will automatically switch off after a few seconds if the fixture is receiving a valid control signal and has not detected an error. If the fixture is not receiving a valid control signal the display will flash. If the fixture has detected an error, the display will remain constantly on and show the error.
 - **On:** The display stays on constantly. This setting can be useful when you are configuring or servicing the fixture.
 - **Off:** The display will automatically switch off after a few seconds even if the fixture is not receiving a valid control signal or if it has detected an error.

Fan modes

Four different cooling fan modes are available on the *Control / Settings* DMX channel and in the fixture's control panel. The modes let you choose cooling fan operation options depending on how you want to allocate priority between light output and fan noise:

- **Regulated mode** gives priority to light output and only operates fans as necessary. If the fixture is blacked out, fans run at minimum speed. When light output intensity is increased, temperature regulation increases fan speed to the level necessary to keep the fixture at optimum temperature.

If light output is set to maximum intensity but the fans can keep the fixture at optimum temperature, there will be no regulation of light intensity. If the fixture begins to exceed optimum temperature, light intensity will be reduced until optimum temperature can be maintained.

- **High mode** sets fans to constant high speed. This mode is optimized for maximum light output and suits operation in high ambient temperatures and/or where fan noise is not a critical issue. Light output intensity is smoothly reduced if it becomes necessary in order to keep fixture temperature at optimum level.

Besides maximizing light output in high ambient temperatures, you can use *high* mode to cool down a fixture quickly or to remove dust from cooling fans.

- **Medium mode** sets fans to constant medium speed. Light output intensity is smoothly reduced if it becomes necessary in order to keep fixture temperature at optimum level.

If you want to avoid any automatic reductions in output intensity that may occur in *regulated* mode (see above) or if fixture temperature exceeds optimum level, we recommend that you use *medium* mode in combination with one of the *Output limitation* levels available via DMX and in the fixture's control panel to keep the fixture in output/temperature balance.

- **Low mode** sets fans to constant low speed. This mode is optimized for minimum noise. Light output intensity is smoothly reduced if it becomes necessary in order to keep fixture temperature at optimum level.

If you want to avoid any automatic reductions in output intensity that may occur if fixture temperature exceeds optimum level, we recommend that you use *low mode* in combination with one of the *Output limitation* levels available via DMX and in the fixture's control panel to keep the fixture in output/temperature balance.

In all fan modes, if fixture temperature reaches an unsafe level, LEDs will be shut down for a period until the fans have brought the temperature down to a safe level.

Fixture information

The **Information** menu in the control panel gives access to items of information from the fixture's sensors and memory. You can check temperature sensor readouts, see total operating hours counters and power cycle count, and see DMX signal quality data, for example.

Test pattern

If you need to check a fixture's orientation, call up the test pattern on the *Control / Settings* DMX channel or in the fixture's control panel. If the fixture is oriented normally, the test pattern will appear as shown below:

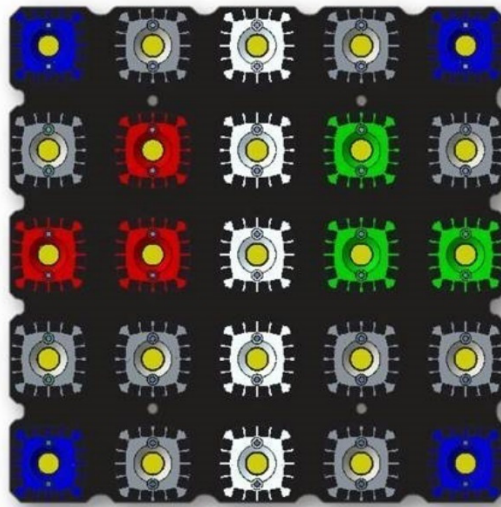


Figure 6. Test pattern

Custom settings and factory defaults

You can customize fixture settings (DMX mode, Fan mode, Pixel orientation, etc.) via DMX or using the fixture's control panel. Custom settings are stored after a power off/on cycle and after a reset.

Two options are available in the fixture's control panel for deleting multiple custom settings and restoring defaults:

- **Load Setting Defaults** reloads all the fixture's factory default settings **except** DMX address, DMX mode and Control protocol. This option returns the fixture to baseline settings (default Fan mode, Output limitation, Pixel orientation, Dimmer curve, etc.) without affecting its basic configuration in an installation.
- **Load Factory Backup** reloads all the fixture's factory default settings **including** DMX address, DMX mode and Control Protocol. This option reinitializes the fixture completely and returns to its state when it left the factory.

5. Control menus and LCD display



Warning! DMX control is disabled when the control menus are active. Be prepared for the fixture to emit strong light as soon as you exit the control menus.

The control panel and LCD display provide access to user settings, readouts and utilities.

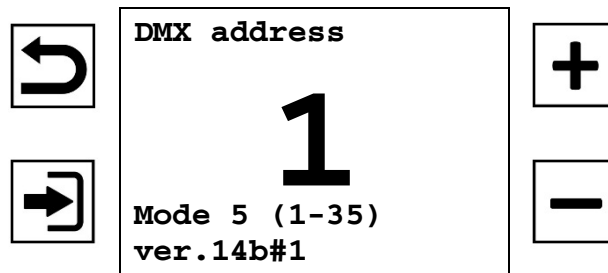


Figure 7. Main screen

The four control buttons have the following functions:



Escape: Go back one level and return to the top of the menu.



Enter: Activate the control panel if it is in sleep mode. Then enter a menu, select a setting or implement a command.



Up: Scroll up or increase a number.



Down: Scroll down or reduce a number.

When the fixture boots up, the control panel displays fixture information including firmware version and fixture hours before displaying the PCB reset status screen. After resetting, the panel displays the main screen. See Figure 7. The main screen displays the fixture's:

- DMX address
- DMX mode and channels occupied (in Figure 7, the fixture occupies DMX channels 1-35. Channel 36 is available for the next fixture on the DMX link)
- Firmware version and build data.

DMX control is disabled when the control menus are active.

See also the Display options on the *DMX Control / Settings* channel and in the *Display* control menu in the control panel.

6. Fixture control setup

To configure the KNV for use in a show or fixed installation, open the fixture's control menus and configure the fixture's DMX Address, Control Mode (DMX Mode) and Control Protocol (DMX, ArtNet or sACN).

If you are using ArtNet or sACN you need to set the fixture's IP address and SubNet Mask.

These settings will not be affected if you apply a *Load Default Settings* command in the fixture's control panel, but they **will** be returned to factory defaults if you apply a *Load Factory Backup* command in the fixture's control panel.

7. Control menu layout

| Menus | | | | Notes |
|------------------------|---------------------------|----------------------------|-------------------|---------------------------------------|
| DMX Start Address | | | | |
| 1-512 | | | | Enter DMX address |
| Control Mode | | | | |
| Mode 1 | | | | RGBW + Shutter |
| Mode 2 | | | | W Strobe + RGB Strobe |
| Mode 3 | | | | RGB Strobe + 25x W |
| Mode 4 | | | | W Strobe + 25x RGB |
| Mode 5 | | | | Multilayer |
| Mode 6 | | | | 25x RGBW 8-bit |
| Mode 7 | | | | 25x RGBW 16-bit |
| Control Protocol | | | | |
| Protocol Type | DMX | | | Control via DMX protocol |
| | ArtNet | | | Control via ArtNet protocol (default) |
| | sACN | | | Control via sACN protocol |
| Ethernet Configuration | Ethernet / Protocol Setup | Addressing Mode | Auto 2.X.X.X | Auto addressing in the range 2.X.X.X |
| | | | Auto 10.X.X.X | Auto addressing in the range 10.X.X.X |
| | | | Custom IP | Use custom IP address |
| | | | DHCP | Get IP address by DHCP |
| | Custom IP address | | Enter IP address | Enter custom IP address |
| | Custom Subnet Mask | | Enter Subnet Mask | Enter custom subnet mask |
| | ArtNet Universe | | 0 - 32768 | Set ArtNet universe |
| | sACN Universe | | 1 - 63999 | Set sACN universe |
| sACN UDP Port | | 2049.. 5568 ..65535 | Select sACN port | |
| Fixture Settings | | | | |
| Pixel Orientation | Normal | | | Set pixel orientation |
| | Rotate 90 deg. | | | |
| | Rotate 180 deg. | | | |
| | Rotate 270 deg. | | | |
| Pixel Mirrored | OFF | | | Set pixel flip right-to-left |
| | ON | | | |
| Output Limitation | Output Limitation - WHITE | Off | | Set maximum output for White LEDs |
| | | 80% Output | | |
| | | 60% Output | | |
| | | 40% Output | | |
| | | 20% Output | | |
| | | 10% Output | | |

| | | | |
|-------------------------------|-------------------------|---|---|
| Output Limitation (continued) | Output Limitation - RGB | Off | Set maximum output for RGB LEDs |
| | | 80% Output | |
| | | 60% Output | |
| | | 40% Output | |
| | | 20% Output | |
| Dimmer Curve | Soft | Select dimming curve | |
| | Linear | | |
| Dimm Flash | Off | Activate flash when dimmer channel value is moved | |
| | On | | |
| Extra Shutter | RGBW | Sets which LEDs are used in the extra shutter effect that is available in DMX Modes 1, 6 and 7. | |
| | White | | |
| | RGB | | |
| No DMX | Blackout | Fixture blacks out when no DMX signal present | |
| | Hold | Fixture holds current scene when no DMX signal present | |
| | Stand Alone | Fixture goes to Stand-Alone scene when no DMX signal present | |
| | Capture Scene | No | Capture current scene for use as Stand-Alone scene |
| Yes | | | |
| Display Setting | Display Orientation | Normal | Invert display |
| | | Upside-down | |
| | Display Mode | Auto | Display sleeps unless error detected or no valid control signal |
| | | On | Display constantly on |
| | | Off | Display off, even if error detected or no valid control signal |
| Fan Mode | Regulated | Fan speed temperature-regulated | |
| | High | Fan speed constant high | |
| | Medium | Fan speed constant medium | |
| | Low | Fan speed constant low | |
| Load Setting Defaults | No | Load factory default settings <u>apart from</u> DMX address, DMX mode, Control protocol | |
| | Yes | | |
| Manual Control | | | |
| Reboot | No | Force fixture to reboot | |
| | Yes | | |
| Manual DMX | Red | Send DMX value 0-65353 | |
| | Green | Send DMX value 0-65353 | |
| | Blue | Send DMX value 0-65353 | |
| | Shutter | Send DMX value 0-65353 | |
| | Capture Scene | No | Stores current control values as Stand-Alone scene |
| Yes | | | |

| Information | | | |
|-----------------------|------------------------|---|--|
| Temperatures | | Shows temperatures | |
| Output Limit | | Shows current output limit | |
| Voltage | | Shows master voltage | |
| | | Shows driver voltage | |
| DMX Link Quality | | | |
| Network | TCP/IP | | Shows Mode, IP Address, Sub Address, MAC Address (hex) |
| | Ethernet Port Status | | Shows Ethernet Port Status |
| | ArtNet Status | | Shows ArtNet Status |
| | sACN Status | | Shows sACN Status |
| Serial Number | | Shows fixture serial number | |
| Shape | | Shows fixture type (Cube / Arc) | |
| Device Hours | Total (non resettable) | | Shows total fixture hours (not resettable) |
| | Total (resettable) | | Shows fixture hours since last counter reset |
| | Reset Counter | No | Sets resettable fixture hours counter to zero |
| Yes | | | |
| Power Cycles | | Shows total power cycles (not resettable) | |
| Service | | | |
| Test Pattern | Off | Display test pattern on fixture | |
| | On | | |
| Load Setting Defaults | No | Load factory default settings <u>apart from</u> DMX address, DMX mode, Control protocol | |
| | Yes | | |
| Load Factory Backup | No | Load factory default settings <u>including</u> DMX address, DMX mode, Control protocol | |
| | Yes | | |

Control Menus

Default settings are written in **BOLD type**.

8. DMX control modes

Seven DMX control modes are available in the KNV.

In all seven DMX modes, the last DMX channel is the *Control / Settings* channel. This channel lets you adjust fixture settings remotely from the DMX control desk.

- **DMX Mode 1** lets you control all 25 pixels together as a group with 16-bit resolution. A separate Shutter channel provides strobe, pixel and ramp-up/down effects. This extra shutter affects all white and all RGB LEDs by default, but you can change this setting via the Control/Settings DMX Channel or the fixture's control panel so that the shutter applies to white LEDs only or RGB LEDs only.
- **DMX Mode 2** splits the KNV into a White Strobe and a separate RGB Strobe, each with standard strobe light control channels: Intensity, Flash Rate and Flash Duration. In addition, the Flare effect and pre-programmed dynamic FX are available for each strobe.
- **DMX Mode 3** provides an RGB strobe plus 25 individually controllable white pixels. The RGB strobe has standard strobe control channels: Intensity, Flash Rate and Flash Duration. It also has the Flare effect and pre-programmed dynamic FX. The 25 individual white pixels have a separate Shutter channel with strobe, pixel and ramp-up/down effects.
- **DMX Mode 4** provides a White Strobe plus 25 individually controllable RGB pixels. The White strobe has standard strobe control channels: Intensity, Flash Rate and Flash Duration. It also has the Flare effect and pre-programmed dynamic FX. The 25 individual RGB pixels have a separate Shutter channel with strobe, pixel and ramp-up/down effects.
- **DMX Mode 5** provides three different layers:
 - The **Base Layer** has lowest priority (other layers override it), so it acts as a background layer. The Base layer has RGBW intensity control.
 - **Layer 2** has priority over the base layer, so it acts as a middle layer.
 - **Layer 3** has highest priority, so it acts as a top layer.
 - **Layers 2 and 3** both have standard RGBW strobe control channels plus the Flare effect and pre-programmed dynamic FX. Layers 2 and 3 also have a 16-bit Layer Master Channel that controls the transparency of the layer.

FX layer priorities work in true color, which means that colors are not mixed. If you run a red snake FX on Layer 2 over the top of a red background on the Base Layer, the snake will be blue, not a mix of blue and red.

Applying transparency to a layer allows the color of the background layer or the lower priority layer to shine through.

If you want to dim a layer's colors without color from lower priority layers shining through, reduce the intensity of the colors without applying transparency to the layer. If you reduce the intensity of all the colors to zero, you can run a black effect over the top of lower priority layers.

- In **DMX Modes 2, 3, 4 and 5** if no FX is selected (FX Selection channel is set to zero), the Flash rate channel controls the flash rate of the Strobe. If an FX is selected, the Flash rate channel is redeployed and controls the speed of the effect instead.

- **DMX Modes 6 and 7** give you individual control of 25 separate pixels with 8- or 16-bit resolution. A separate Shutter channel provides strobe, pixel and ramp-up/down effects. This extra shutter affects all the LEDs, both white and RGB, by default, but you can change this setting via the *Control / Settings* DMX Channel or the fixture's control panel so that the shutter applies to white LEDs only or to RGB LEDs only.

Special notes on the DMX tables

In the following DMX channel layout tables:

- Default settings are indicated with **bold type**.
- Where commands are marked with an asterisk * you must send that value continuously for 3 seconds (or other duration if indicated in the table) to apply the command.
- Where LED orientation commands are marked with two asterisks ** the direction of FX pattern movement is reversed compared to the similar commands available earlier on the same channel. The orientation of the pattern itself is unchanged.

Control channel layout

DMX Mode 1: RGBW 16-bit

10 DMX Channels

| Channel | Command | DMX range | Percent | Default DMX | Fade | |
|---------------------------|---------------------------|-------------------------------|---------|-------------|------|------|
| RGBW | | | | | | |
| 1 | Red coarse | All pixels, intensity 0-100% | 0-65535 | 0-100% | 0 | Fade |
| 2 | Red fine | | | | | |
| 3 | Green coarse | All pixels, intensity 0-100% | 0-65535 | 0-100% | 0 | Fade |
| 4 | Green fine | | | | | |
| 5 | Blue coarse | All pixels, intensity 0-100% | 0-65535 | 0-100% | 0 | Fade |
| 6 | Blue fine | | | | | |
| 7 | White coarse | All pixels, intensity 0-100% | 0-65535 | 0-100% | 0 | Fade |
| 8 | White fine | | | | | |
| 9 | Shutter | Shutter closed | 0-4 | 0-1.6% | 255 | Snap |
| | | Sync ramp up slow > fast | 5-39 | 2.0-15.3% | | Fade |
| | | Sync ramp down slow > fast | 40-74 | 15.7-29.0% | | Fade |
| | | Sync ramp up-down slow > fast | 75-109 | 29.4-42.7% | | Fade |
| | | Sync double flash slow > fast | 110-144 | 43.1-56.5% | | Fade |
| | | Random pixel slow > fast | 145-179 | 56.9-70.2% | | Fade |
| | | Random strobe slow > fast | 180-214 | 70.6-83.9% | | Fade |
| | | Sync strobe 0.289 > 16.67 Hz | 215-249 | 84.3-97.6% | | Fade |
| | | Hyperspeed | 250-252 | 98.0-98.8% | | Snap |
| | | Open | 253-255 | 99.2-100% | | Snap |
| Control / Settings | | | | | | |
| 10 | Control / Settings | Idle | 0-11 | 0-4.3% | 0 | Snap |
| | | No function | 12-38 | 4.7-14.9% | | |
| | | Dimmer flash Off* | 39-41 | 15.3-16.1% | | |
| | | Dimmer flash On* | 42-44 | 16.5-17.3% | | |
| | | No function | 45-47 | 17.6-18.4% | | |
| | | Dimming curve Soft* | 48-50 | 18.8-19.6% | | |
| | | Dimming curve Linear* | 51-53 | 20.0-20.8% | | |
| | | No function | 54-56 | 21.2-22.0% | | |
| | | Extra Shutter RGBW* | 57-59 | 22.4-23.1% | | |
| | | Extra Shutter RGB only* | 60-62 | 23.5-24.3% | | |
| | | Extra Shutter White only* | 63-65 | 24.7-25.5% | | |
| | | No function | 66-68 | 25.9-26.7% | | |
| | | Fan mode regulated* | 69-71 | 27.1-27.8% | | |
| | | Fan mode high* | 72-74 | 28.2-29.0% | | |
| | | Fan mode medium* | 75-77 | 29.4-30.2% | | |
| | | Fan mode low* | 78-80 | 30.6-31.4% | | |
| | | No function | 81-83 | 31.8-32.5% | | |
| | | Display On* | 84-86 | 32.9-33.7% | | |
| | | Display Off* | 87-89 | 34.1-34.9% | | |
| | | Display Auto* | 90-92 | 35.3-36.1% | | |
| | | Display invert Off* | 93-95 | 36.5-37.3% | | |
| Display invert On* | 96-98 | 37.6-38.4% | | | | |
| No DMX = Capture scene* | 99-101 | 38.8-39.6% | | | | |
| No DMX = Stand-alone* | 102-104 | 40.0-40.8% | | | | |
| No DMX = Blackout* | 105-107 | 41.2-42.0% | | | | |

| | | | | | |
|--|-------------------------------------|---------|------------|--|--|
| | No DMX = Hold* | 108-110 | 42.4-43.1% | | |
| | Test pattern On* | 111-113 | 43.5-44.3% | | |
| | Test pattern Off* | 114-116 | 44.7-45.5% | | |
| | Rotation Off* | 117-119 | 45.9-46.7% | | |
| | Rotate 90° * | 120-122 | 47.1-47.8% | | |
| | Rotate 180° * | 123-125 | 48.2-49.0% | | |
| | Rotate 270° * | 126-128 | 49.4-50.2% | | |
| | Pixel mirror Off* | 129-131 | 50.6-51.4% | | |
| | Pixel mirror On* | 132-134 | 51.8-52.5% | | |
| | White output limitation Off* | 135-137 | 52.9-53.7% | | |
| | White output limitation 80%* | 138-140 | 54.1-54.9% | | |
| | White output limitation 60%* | 141-143 | 55.3-56.1% | | |
| | White output limitation 40%* | 144-146 | 56.5-57.3% | | |
| | White output limitation 20%* | 147-149 | 57.6-58.4% | | |
| | White output limitation 10%* | 150-152 | 55.8-59.6% | | |
| | No function | 153-158 | 60.0-62.0% | | |
| | RGB output limitation Off%* | 159-161 | 62.4-63.1% | | |
| | RGB output limitation 80%* | 162-164 | 63.5-64.3% | | |
| | RGB output limitation 60%* | 165-167 | 64.7-65.5% | | |
| | RGB output limitation 40%* | 168-170 | 65.9-66.7% | | |
| | RGB output limitation 20%* | 171-173 | 67.1-67.8% | | |
| | RGB output limitation 10%* | 174-176 | 68.2-69.0% | | |
| | No function | 177-251 | 69.4-98.4% | | |
| | Reboot fixture* | 252-255 | 98.8-100% | | |

DMX Mode 2: White strobe with FX, RGB with FX

23 DMX Channels

| Channel | Command | DMX range | Percent | Default DMX | Fade | |
|--|--|--|-----------|-------------|-----------|------|
| Channel group A: White strobe with FX | | | | | | |
| 1 | White LEDs intensity | Intensity 0-100% | 0-255 | 0-100% | 0 Fade | |
| 2 | White LEDs flash duration | Flash duration 7-650 ms | 0-255 | 0-100% | 0 Fade | |
| 3 | White LEDs flash rate (if FX are not active) | No flash | 0-1 | 0-0.4% | 0 Snap | |
| | | Single flash if Dimmer Flash = ON and value is changed on Ch 1 | | | | |
| | | Flash rate 0.289-16.67 Hz | 2-250 | 0.8-98% | | Fade |
| | | Hyperspeed | 251-252 | 98.4-98.8% | | Snap |
| | FX speed (if FX are active) | Continuously on | 253-255 | 99.2-100% | Snap | |
| | | FX speed = stop | 0-1 | 0-0.4% | Snap | |
| | | FX speed = slow > fast | 2-253 | 0.8-98.8% | Fade | |
| | FX speed = stop | 254-255 | 99.2-100% | Snap | | |
| 4 | White LEDs Flare effect | Off | 0-9 | 0-3.5% | 0 Snap | |
| | | Slow > fast | 10-49 | 3.9-19.2% | | Fade |
| | | Off | 50-59 | 19.6-23.1% | | Snap |
| | | Random slow > fast | 60-109 | 23.5-42.7% | | Fade |
| | | Off | 110-119 | 43.1-46.7% | | Snap |
| | | Random pixel slow > fast | 120-169 | 47.1-66.3% | | Fade |
| | | Off | 170-255 | 66.7-100% | | Snap |
| 5 | White LEDs FX selection | FX Off | 0-2 | 0-0.8% | 0 Snap | |
| | | Sync strobe - circle mask | 3-5 | 1.2-2.0% | | |
| | | Sync strobe - 4 dot mask | 6-8 | 2.4-3.1% | | |
| | | Sync strobe - 1 dot mask | 9-11 | 3.5-4.3% | | |
| | | Random strobe - all | 12-14 | 4.7-5.5% | | |
| | | Random strobe - circle mask | 15-17 | 5.9-6.7% | | |
| | | Random strobe - 4 dot mask | 18-20 | 7.1-7.8% | | |
| | | Random strobe - 1 dot mask | 21-23 | 8.2-9.0% | | |
| | | Lite in/out - all | 24-26 | 9.4-10.2% | | |
| | | Lite in/out - circle mask | 27-29 | 10.6-11.4% | | |
| | | Lite in/out - 4 dot mask | 30-32 | 11.8-12.6% | | |
| | | Lite in/out - 1 dot mask | 33-35 | 12.9-13.7% | | |
| | | Snake | 36-38 | 14.1-14.9% | | |
| | | Raindrops | 39-41 | 15.3-16.1% | | |
| | | Random pixel | 42-44 | 16.5-17.3% | | |
| | | Random fake x 2 | 45-47 | 17.6-18.4% | | |
| | | Random fake x 4 | 48-50 | 18.8-19.6% | | |
| | | Line | 51-53 | 20.0-20.8% | | |
| | | Double line | 54-56 | 21.2-22.0% | | |
| | | Corner to corner line | 57-59 | 22.4-23.1% | | |
| | | Tilted double lines | 60-62 | 23.5-24.3% | | |
| | | Tilted double lines in to out | 63-65 | 24.7-25.5% | | |
| | | Center line running dot | 66-68 | 25.9-26.7% | | |
| | | Middle line running dot | 69-71 | 27.1-27.8% | | |
| | | Outer line running dot | 72-74 | 28.2-29.0% | | |
| Corner to corner | 75-77 | 29.4-30.2% | | | | |
| Arrow | 78-80 | 30.6-31.4% | | | | |
| Wave | 81-83 | 31.8-32.5% | | | | |
| Wheel | 84-86 | 32.9-33.7% | | | | |

| | | | | | | |
|----------------------------------|------------------------------|-------------------------------------|---------|------------|---|------|
| | | Half wheel | 87-89 | 34.1-34.9% | | |
| | | Circling dot | 90-92 | 35.3-36.1% | | |
| | | Outer circle | 93-95 | 36.5-37.3% | | |
| | | Inner circle | 96-98 | 37.6-38.4% | | |
| | | Outer 4 dots | 99-101 | 38.8-39.6% | | |
| | | Outer single dot | 102-104 | 40.0-40.8% | | |
| | | Middle single dot | 105-107 | 41.2-42.0% | | |
| | | Spinning 2x1 dots | 108-110 | 42.4-43.1% | | |
| | | Asymmetrical 4 dots | 111-113 | 43.5-44.3% | | |
| | | Symmetrical 4 dots | 114-116 | 44.7-45.5% | | |
| | | Square | 117-119 | 45.9-46.7% | | |
| | | Inside out | 120-122 | 47.1-48.8% | | |
| | | Inside out 2 | 123-125 | 48.2-49.0% | | |
| | | Abstract 1 | 126-128 | 49.4-50.2% | | |
| | | Abstract 2 | 129-131 | 50.6-51.4% | | |
| | | Abstract 3 | 132-134 | 51.8-52.5% | | |
| | | Hash tag | 135-137 | 52.9-53.7% | | |
| | | Flip flop | 138-140 | 54.1-54.9% | | |
| | | Jumping slash | 141-143 | 55.3-56.1% | | |
| | | Jumping 'L' | 144-146 | 56.5-57.3% | | |
| | | Jumping pins | 147-149 | 57.6-58.4% | | |
| | | Off - No Strobe or Fx | 150-255 | 58.8-100% | | |
| 6 | White LEDs FX crossfade time | Off | 0-1 | 0-0.4% | 0 | Snap |
| | | Crossfade fast > slow | 2-127 | 0.8-49.8% | | Fade |
| | | Crossfade and tail slow > fast | 128-255 | 50.2-100% | | Fade |
| 7 | White LEDs orientation | Off | 0-4 | 0-1.6% | 0 | Snap |
| | | Rotate 90° | 5-9 | 2.0-3.5% | | |
| | | Rotate 180° | 10-14 | 3.9-5.5% | | |
| | | Rotate 270° | 15-19 | 5.9-7.5% | | |
| | | Horizontal flip | 20-24 | 7.8-9.4% | | |
| | | Rotate 90° & vertical flip | 25-29 | 9.8-11.4% | | |
| | | Rotate 180° & horizontal flip | 30-34 | 11.8-13.3% | | |
| | | Rotate 270° & vertical flip | 35-39 | 13.7-15.3% | | |
| | | Off | 40-44 | 15.7-17.3% | | |
| | | Random rotate & flip | 45-49 | 17.7-19.2% | | |
| | | Random position | 50-54 | 19.6-21.2% | | |
| | | Fix 90° rotation & random position | 55-59 | 21.6-23.1% | | |
| | | Fix 180° rotation & random position | 60-64 | 23.5-25.1% | | |
| | | Fix 270° rotation & random position | 65-69 | 25.5-27.1% | | |
| | | Off | 70-74 | 27.5-29.0% | | |
| | | Bounce | 75-79 | 29.4-31.0% | | |
| | | Bounce & rotate 90° | 80-84 | 31.4-32.9% | | |
| | | Bounce & rotate 180° | 85-89 | 33.3-34.9% | | |
| | | Bounce & rotate 270° | 90-94 | 35.3-36.9% | | |
| | | Off | 95-99 | 37.3-38.8% | | |
| | | Rotate CCW at end | 100-104 | 39.2-40.8% | | |
| | | Rotate CW at end | 105-109 | 41.2-42.7% | | |
| | | Random rotate at end | 110-114 | 43.1-44.7% | | |
| | | Off | 115-134 | 45.1-52.5% | | |
| | | Rotate 90° ** | 135-139 | 52.9-54.5% | | |
| | | Rotate 180° ** | 140-144 | 54.9-56.5% | | |
| Rotate 270° ** | 145-149 | 56.9-58.4% | | | | |
| Horizontal flip ** | 150-154 | 58.8-60.4% | | | | |
| Rotate 90° & vertical flip ** | 155-159 | 60.8-62.4% | | | | |
| Rotate 180° & horizontal flip ** | 160-164 | 62.7-64.3% | | | | |

| | | | | | | |
|--|---|--|------------|------------|-----|------|
| | | Rotate 270° & vertical flip ** | 165-169 | 64.7-66.3% | | |
| | | Off | 170-174 | 66.7-68.2% | | |
| | | Random Rotate & flip ** | 175-179 | 68.6-70.2% | | |
| | | Random position ** | 180-184 | 70.6-72.2% | | |
| | | Fix 90° rotation & random position ** | 185-189 | 72.5-74.1% | | |
| | | Fix 180° rotation & random position ** | 190-194 | 74.5-76.1% | | |
| | | Fix 270° rotation & random position ** | 195-199 | 76.5-78.0% | | |
| | | Off | 200-204 | 78.4-80.0% | | |
| | | Bounce ** | 205-209 | 80.4-82.0% | | |
| | | Bounce & rotate 90° ** | 210-214 | 82.4-83.9% | | |
| | | Bounce & rotate 180° ** | 215-219 | 84.3-85.9% | | |
| | | Bounce & rotate 270° ** | 220-224 | 86.3-87.8% | | |
| | | Off | 225-229 | 88.2-89.8% | | |
| | | Rotate CCW at end ** | 230-234 | 90.2-91.8% | | |
| | | Rotate CW at end ** | 235-239 | 92.2-93.7% | | |
| | | Random rotate at end ** | 240-244 | 94.1-95.7% | | |
| | | Off | 245-255 | 96.1-100% | | |
| 8 | White LEDs FX offset | 0-100% | 0-255 | 0-100% | 0 | Fade |
| 9 | White LEDs FX length | 0-100% | 0-255 | 0-100% | 0 | Fade |
| Channel group B: RGB strobe with FX | | | | | | |
| 10 | RGB LEDs dimmer | Intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 11 | RGB LEDs flash duration | Flash duration 7-650 ms | 0-255 | 0-100% | 0 | Fade |
| 12 | RGB LEDs flash rate (if FX are not active) | No flash | 0-1 | 0-0.4% | 0 | Snap |
| | | Flash rate 0.289-16.67 Hz | 2-250 | 0.8-98% | | Fade |
| | | Hyperspeed | 251-254 | 98.4-99.6% | | Snap |
| | | Continuously on | 255 | 100% | | Snap |
| | FX speed (if FX are active) | FX speed = stop | 0-1 | 0-0.4% | | Snap |
| | | FX speed = slow > fast | 2-253 | 0.8-98.8% | | Fade |
| | | FX speed = stop | 254-255 | 99.2-100% | | Snap |
| 13 | Red | Red intensity 0-100% | 0-255 | 0-100% | 255 | Fade |
| 14 | Green | Green intensity 0-100% | 0-255 | 0-100% | 255 | Fade |
| 15 | Blue | Blue intensity 0-100% | 0-255 | 0-100% | 255 | Fade |
| 16 | RGB LEDs Flare effect | Off | 0-9 | 0-3.5% | 0 | Snap |
| | | Slow > fast | 10-49 | 3.9-19.2% | | Fade |
| | | Off | 50-59 | 19.6-23.1% | | Snap |
| | | Random slow > fast | 60-109 | 23.5-42.7% | | Fade |
| | | Off | 110-119 | 43.1-46.7% | | Snap |
| | | Random pixel slow > fast | 120-169 | 47.1-66.3% | | Fade |
| | | Off | 170-255 | 66.7-100% | | Snap |
| 17 | RGB LEDs FX selection | FX Off | 0-2 | 0-0.8% | 0 | Snap |
| | | Sync strobe - circle mask | 3-5 | 1.2-2.0% | | |
| | | Sync strobe - 4 dot mask | 6-8 | 2.4-3.1% | | |
| | | Sync strobe - 1 dot mask | 9-11 | 3.5-4.3% | | |
| | | Random strobe - all | 12-14 | 4.7-5.5% | | |
| | | Random strobe - circle mask | 15-17 | 5.9-6.7% | | |
| | | Random strobe - 4 dot mask | 18-20 | 7.1-7.8% | | |
| | | Random strobe - 1 dot mask | 21-23 | 8.2-9.0% | | |
| | | Lite in/out - all | 24-26 | 9.4-10.2% | | |
| | | Lite in/out - circle mask | 27-29 | 10.6-11.4% | | |
| | Lite in/out - 4 dot mask | 30-32 | 11.8-12.6% | | | |

| | | | | | | |
|------------------------------------|----------------------------|--------------------------------|---------|------------|---|------|
| | | Lite in/out - 1 dot mask | 33-35 | 12.9-13.7% | | |
| | | Snake | 36-38 | 14.1-14.9% | | |
| | | Raindrops | 39-41 | 15.3-16.1% | | |
| | | Random pixel | 42-44 | 16.5-17.3% | | |
| | | Random fake x 2 | 45-47 | 17.6-18.4% | | |
| | | Random fake x 4 | 48-50 | 18.8-19.6% | | |
| | | Line | 51-53 | 20.0-20.8% | | |
| | | Double line | 54-56 | 21.2-22.0% | | |
| | | Corner to corner line | 57-59 | 22.4-23.1% | | |
| | | Tilted double lines | 60-62 | 23.5-24.3% | | |
| | | Tilted double lines in to out | 63-65 | 24.7-25.5% | | |
| | | Center line running dot | 66-68 | 25.9-26.7% | | |
| | | Middle line running dot | 69-71 | 27.1-27.8% | | |
| | | Outer line running dot | 72-74 | 28.2-29.0% | | |
| | | Corner to corner | 75-77 | 29.4-30.2% | | |
| | | Arrow | 78-80 | 30.6-31.4% | | |
| | | Wave | 81-83 | 31.8-32.5% | | |
| | | Wheel | 84-86 | 32.9-33.7% | | |
| | | Half wheel | 87-89 | 34.1-34.9% | | |
| | | Circling dot | 90-92 | 35.3-36.1% | | |
| | | Outer circle | 93-95 | 36.5-37.3% | | |
| | | Inner circle | 96-98 | 37.6-38.4% | | |
| | | Outer 4 dots | 99-101 | 38.8-39.6% | | |
| | | Outer single dot | 102-104 | 40.0-40.8% | | |
| | | Middle single dot | 105-107 | 41.2-42.0% | | |
| | | Spinning 2x1 dots | 108-110 | 42.4-43.1% | | |
| | | Asymmetrical 4 dots | 111-113 | 43.5-44.3% | | |
| | | Symmetrical 4 dots | 114-116 | 44.7-45.5% | | |
| | | Square | 117-119 | 45.9-46.7% | | |
| | | Inside out | 120-122 | 47.1-48.8% | | |
| | | Inside out 2 | 123-125 | 48.2-49.0% | | |
| | | Abstract 1 | 126-128 | 49.4-50.2% | | |
| | | Abstract 2 | 129-131 | 50.6-51.4% | | |
| | | Abstract 3 | 132-134 | 51.8-52.5% | | |
| | | Hash tag | 135-137 | 52.9-53.7% | | |
| | | Flip flop | 138-140 | 54.1-54.9% | | |
| | | Jumping slash | 141-143 | 55.3-56.1% | | |
| | | Jumping 'L' | 144-146 | 56.5-57.3% | | |
| | | Jumping pins | 147-149 | 57.6-58.4% | | |
| | | Off - No Strobe or FX | 150-255 | 58.8-100% | | |
| 18 | RGB LEDs FX crossfade time | Off | 0-1 | 0-0.4% | 0 | Snap |
| | | Crossfade fast > slow | 2-127 | 0.8-49.8% | | Fade |
| | | Crossfade and tail slow > fast | 128-255 | 50.2-100% | | Fade |
| 19 | RGB LEDs orientation | Off | 0-4 | 0-1.6% | 0 | Snap |
| | | Rotate 90° | 5-9 | 2.0-3.5% | | |
| | | Rotate 180° | 10-14 | 3.9-5.5% | | |
| | | Rotate 270° | 15-19 | 5.9-7.5% | | |
| | | Horizontal flip | 20-24 | 7.8-9.4% | | |
| | | Rotate 90° & vertical flip | 25-29 | 9.8-11.4% | | |
| | | Rotate 180° & horizontal flip | 30-34 | 11.8-13.3% | | |
| | | Rotate 270° & vertical flip | 35-39 | 13.7-15.3% | | |
| | | Off | 40-44 | 15.7-17.3% | | |
| | | Random rotate & flip | 45-49 | 17.7-19.2% | | |
| | | Random position | 50-54 | 19.6-21.2% | | |
| Fix 90° rotation & random position | 55-59 | 21.6-23.1% | | | | |

| | | | | | | |
|-----------|---------------------------------|--|---------|-------------|---|------|
| | | Fix 180° rotation & random position | 60-64 | 23.5-25.1% | | |
| | | Fix 270° rotation & random position | 65-69 | 25.5-27.1% | | |
| | | Off | 70-74 | 27.5-29.0% | | |
| | | Bounce | 75-79 | 29.4-31.0% | | |
| | | Bounce & rotate 90° | 80-84 | 31.4-32.9% | | |
| | | Bounce & rotate 180° | 85-89 | 33.3-34.9% | | |
| | | Bounce & rotate 270° | 90-94 | 35.3-36.9% | | |
| | | Off | 95-99 | 37.3-38.8% | | |
| | | Rotate CCW at end | 100-104 | 39.2-40.8% | | |
| | | Rotate CW at end | 105-109 | 41.2-42.7% | | |
| | | Random rotate at end | 110-114 | 43.1-44.7% | | |
| | | Off | 115-134 | 45.1-52.5% | | |
| | | Rotate 90° ** | 135-139 | 52.9-54.5% | | |
| | | Rotate 180° ** | 140-144 | 54.9-56.5% | | |
| | | Rotate 270° ** | 145-149 | 56.9-58.4% | | |
| | | Horizontal flip ** | 150-154 | 58.8-60.4% | | |
| | | Rotate 90° & vertical flip ** | 155-159 | 60.8-62.4% | | |
| | | Rotate 180° & horizontal flip ** | 160-164 | 62.7-64.3% | | |
| | | Rotate 270° & vertical flip ** | 165-169 | 64.7-66.3% | | |
| | | Off | 170-174 | 66.7-68.2% | | |
| | | Random Rotate & flip ** | 175-179 | 68.6-70.2% | | |
| | | Random position ** | 180-184 | 70.6-72.2% | | |
| | | Fix 90° rotation & random posn. ** | 185-189 | 72.5-74.1% | | |
| | | Fix 180° rotation & random posn. ** | 190-194 | 74.5-76.1% | | |
| | | Fix 270° rotation & random posn. ** | 195-199 | 76.5-78.0% | | |
| | | Off | 200-204 | 78.4-80.0% | | |
| | | Bounce ** | 205-209 | 80.4-82.0% | | |
| | | Bounce & rotate 90° ** | 210-214 | 82.4-83.9% | | |
| | | Bounce & rotate 180° ** | 215-219 | 84.3-85.9% | | |
| | | Bounce & rotate 270° ** | 220-224 | 86.3-87.8% | | |
| | | Off | 225-229 | 88.2-89.8% | | |
| | | Rotate CCW at end ** | 230-234 | 90.2-91.8% | | |
| | | Rotate CW at end ** | 235-239 | 92.2-93.7% | | |
| | | Random rotate at end ** | 240-244 | 94.1-95.7% | | |
| | | Off | 245-255 | 96.1-100% | | |
| 20 | RGB LEDs FX offset | 0-100% | 0-255 | 0-100% | 0 | Fade |
| 21 | RGB LEDs FX length | 0-100% | 0-255 | 0-100% | 0 | Fade |
| 22 | RGB LEDs color generator | Off | 0-9 | 0-3.5% | 0 | Snap |
| | | Random all pixels RGBCMY | 10-19 | 3.9-7.5% | | Snap |
| | | Random single pixel RGBCMY | 20-29 | 7.8-11.4% | | Snap |
| | | Random all pixels bright colors | 30-39 | 11.8-15.3% | | Snap |
| | | Random single pixel bright colors | 40-49 | 15.7-19.2% | | Snap |
| | | Red / Blue | 50-59 | 19.6-23.1% | | Snap |
| | | Red / Green | 60-69 | 23.5-27.1% | | Snap |
| | | Blue / Green | 70-79 | 27.5-31.0% | | Snap |
| | | Yellow / Magenta | 80-89 | 31.4-34.9% | | Snap |
| | | Yellow / Cyan | 90-99 | 35.3-38.8% | | Snap |
| | | Cyan / Magenta | 100-109 | 39.2-42.7% | | Snap |
| | | Yellow / Blue | 110-119 | 43.1-46.7% | | Snap |
| | | Green / Magenta | 120-129 | 47.1-50.6% | | Snap |
| | | Red / Green / Blue | 130-139 | 51.0-54.5% | | Snap |
| | | Red / Yellow / Blue | 140-149 | 54.9-58.4% | | Snap |
| | | Red / Green / Blue / Yellow / Magenta / Cyan | 150-159 | 58.8%-62.4% | | Snap |

| | | | | | | |
|-----------------------------------|--------------------|--------------------------------------|---------|------------|---|------|
| | | Red / Green / Blue - Horizontal line | 160-169 | 62.7-66.3% | | Snap |
| | | Red / Green / Blue - Vertical line | 170-179 | 66.7-70.2% | | Snap |
| | | No function | 180-219 | 70.6-85.9% | | Snap |
| | | Color scroll, slow -> fast | 220-229 | 86.3-89.8% | | Fade |
| | | Lite in | 230-239 | 90.2-93.7% | | Snap |
| | | Lite out | 240-249 | 94.1-97.6% | | Snap |
| | | Off | 250-255 | 98.0-100% | | Snap |
| Control / Settings | | | | | | |
| 23 | Control / Settings | Idle | 0-11 | 0-4.3% | 0 | Snap |
| | | No function | 12-38 | 4.7-14.9% | | |
| | | Dimmer flash Off* | 39-41 | 15.3-16.1% | | |
| | | Dimmer flash On* | 42-44 | 16.5-17.3% | | |
| | | No function | 45-47 | 17.6-18.4% | | |
| | | Dimming curve Soft* | 48-50 | 18.8-19.6% | | |
| | | Dimming curve Linear* | 51-53 | 20.0-20.8% | | |
| | | No function | 54-68 | 21.2-26.7% | | |
| | | Fan mode regulated* | 69-71 | 27.1-27.8% | | |
| | | Fan mode high* | 72-74 | 28.2-29.0% | | |
| | | Fan mode medium* | 75-77 | 29.4-30.2% | | |
| | | Fan mode low* | 78-80 | 30.6-31.4% | | |
| | | No function | 81-83 | 31.8-32.5% | | |
| | | Display On* | 84-86 | 32.9-33.7% | | |
| | | Display Off* | 87-89 | 34.1-34.9% | | |
| | | Display Auto* | 90-92 | 35.3-36.1% | | |
| | | Display invert Off* | 93-95 | 36.5-37.3% | | |
| | | Display invert On* | 96-98 | 37.6-38.4% | | |
| | | No DMX = Capture scene* | 99-101 | 38.8-39.6% | | |
| | | No DMX = Stand-alone* | 102-104 | 40.0-40.8% | | |
| | | No DMX = Blackout* | 105-107 | 41.2-42.0% | | |
| | | No DMX = Hold* | 108-110 | 42.4-43.1% | | |
| | | Test pattern On* | 111-113 | 43.5-44.3% | | |
| | | Test pattern Off* | 114-116 | 44.7-45.5% | | |
| | | Rotation Off* | 117-119 | 45.9-46.7% | | |
| | | Rotate 90° * | 120-122 | 47.1-47.8% | | |
| | | Rotate 180° * | 123-125 | 48.2-49.0% | | |
| | | Rotate 270° * | 126-128 | 49.4-50.2% | | |
| | | Pixel mirror Off* | 129-131 | 50.6-51.4% | | |
| | | Pixel mirror On* | 132-134 | 51.8-52.5% | | |
| | | White output limitation Off* | 135-137 | 52.9-53.7% | | |
| | | White output limitation 80%* | 138-140 | 54.1-54.9% | | |
| | | White output limitation 60%* | 141-143 | 55.3-56.1% | | |
| White output limitation 40%* | 144-146 | 56.5-57.3% | | | | |
| White output limitation 20%* | 147-149 | 57.6-58.4% | | | | |
| White output limitation 10%* | 150-152 | 55.8-59.6% | | | | |
| No function | 153-158 | 60.0-62.0% | | | | |
| RGB output limitation Off* | 159-161 | 62.4-63.1% | | | | |
| RGB output limitation 80%* | 162-164 | 63.5-64.3% | | | | |
| RGB output limitation 60%* | 165-167 | 64.7-65.5% | | | | |
| RGB output limitation 40%* | 168-170 | 65.9-66.7% | | | | |
| RGB output limitation 20%* | 171-173 | 67.1-67.8% | | | | |
| RGB output limitation 10%* | 174-176 | 68.2-69.0% | | | | |
| No function | 177-251 | 69.4-98.4% | | | | |
| Reboot fixture* | 252-255 | 98.8-100% | | | | |

DMX Mode 3: RGB strobe with FX, White 25-pixel

40 DMX Channels

| Channel | Command | DMX range | Percent | Default DMX | Fade | |
|--|--|--|------------|-------------|------|------|
| Channel group A: RGB strobe with FX | | | | | | |
| 1 | RGB LEDs dimmer | Intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 2 | RGB LEDs flash duration | Flash duration 7-650 ms | 0-255 | 0-100% | 255 | Fade |
| 3 | RGB LEDs flash rate (if FX not active) | No flash | 0-1 | 0-0.4% | 0 | Snap |
| | | Single flash if Dimmer Flash = ON and value is changed on Ch 1 | | | | |
| | | Flash rate 0.289-16.67 Hz | 2-250 | 0.8-98% | | Fade |
| | Hyperspeed | 251-254 | 98.4-99.6% | Snap | | |
| | Continuously on | 255 | 100% | Snap | | |
| | RGB LEDs FX speed (if FX active) | FX speed = stop | 0-1 | 0-0.4% | | Snap |
| FX speed = slow > fast | | 2-253 | 0.8-98.8% | Fade | | |
| FX speed = stop | | 254-255 | 99.2-100% | Snap | | |
| 4 | Red | Red intensity 0-100% | 0-255 | 0-100% | 255 | Fade |
| 5 | Green | Green intensity 0-100% | 0-255 | 0-100% | 255 | Fade |
| 6 | Blue | Blue intensity 0-100% | 0-255 | 0-100% | 255 | Fade |
| 7 | RGB LEDs Flare effect | Off | 0-9 | 0-3.5% | 0 | Snap |
| | | Slow > fast | 10-49 | 3.9-19.2% | | Fade |
| | | Off | 50-59 | 19.6-23.1% | | Snap |
| | | Random slow > fast | 60-109 | 23.5-42.7% | | Fade |
| | | Off | 110-119 | 43.1-46.7% | | Snap |
| | | Random pixel slow > fast | 120-169 | 47.1-66.3% | | Fade |
| | | Off | 170-255 | 66.7-100% | | Snap |
| 8 | RGB LEDs FX selection | FX Off | 0-2 | 0-0.8% | 0 | Snap |
| | | Sync strobe - circle mask | 3-5 | 1.2-2.0% | | |
| | | Sync strobe - 4 dot mask | 6-8 | 2.4-3.1% | | |
| | | Sync strobe - 1 dot mask | 9-11 | 3.5-4.3% | | |
| | | Random strobe - all | 12-14 | 4.7-5.5% | | |
| | | Random strobe - circle mask | 15-17 | 5.9-6.7% | | |
| | | Random strobe - 4 dot mask | 18-20 | 7.1-7.8% | | |
| | | Random strobe - 1 dot mask | 21-23 | 8.2-9.0% | | |
| | | Lite in/out - all | 24-26 | 9.4-10.2% | | |
| | | Lite in/out - circle mask | 27-29 | 10.6-11.4% | | |
| | | Lite in/out - 4 dot mask | 30-32 | 11.8-12.6% | | |
| | | Lite in/out - 1 dot mask | 33-35 | 12.9-13.7% | | |
| | | Snake | 36-38 | 14.1-14.9% | | |
| | | Raindrops | 39-41 | 15.3-16.1% | | |
| | | Random pixel | 42-44 | 16.5-17.3% | | |
| | | Random fake x 2 | 45-47 | 17.6-18.4% | | |
| | | Random fake x 4 | 48-50 | 18.8-19.6% | | |
| | | Line | 51-53 | 20.0-20.8% | | |
| | | Double line | 54-56 | 21.2-22.0% | | |
| | | Corner to corner line | 57-59 | 22.4-23.1% | | |
| | | Tilted double lines | 60-62 | 23.5-24.3% | | |
| Tilted double lines in to out | 63-65 | 24.7-25.5% | | | | |
| Center line running dot | 66-68 | 25.9-26.7% | | | | |
| Middle line running dot | 69-71 | 27.1-27.8% | | | | |
| Outer line running dot | 72-74 | 28.2-29.0% | | | | |
| Corner to corner | 75-77 | 29.4-30.2% | | | | |

| | | | | | | |
|-----------------------|-----------------------------------|-------------------------------------|---------|------------|---|------|
| | | Arrow | 78-80 | 30.6-31.4% | | |
| | | Wave | 81-83 | 31.8-32.5% | | |
| | | Wheel | 84-86 | 32.9-33.7% | | |
| | | Half wheel | 87-89 | 34.1-34.9% | | |
| | | Circling dot | 90-92 | 35.3-36.1% | | |
| | | Outer circle | 93-95 | 36.5-37.3% | | |
| | | Inner circle | 96-98 | 37.6-38.4% | | |
| | | Outer 4 dots | 99-101 | 38.8-39.6% | | |
| | | Outer single dot | 102-104 | 40.0-40.8% | | |
| | | Middle single dot | 105-107 | 41.2-42.0% | | |
| | | Spinning 2x1 dots | 108-110 | 42.4-43.1% | | |
| | | Asymmetrical 4 dots | 111-113 | 43.5-44.3% | | |
| | | Symmetrical 4 dots | 114-116 | 44.7-45.5% | | |
| | | Square | 117-119 | 45.9-46.7% | | |
| | | Inside out | 120-122 | 47.1-48.8% | | |
| | | Inside out 2 | 123-125 | 48.2-49.0% | | |
| | | Abstract 1 | 126-128 | 49.4-50.2% | | |
| | | Abstract 2 | 129-131 | 50.6-51.4% | | |
| | | Abstract 3 | 132-134 | 51.8-52.5% | | |
| | | Hash tag | 135-137 | 52.9-53.7% | | |
| | | Flip flop | 138-140 | 54.1-54.9% | | |
| | | Jumping slash | 141-143 | 55.3-56.1% | | |
| | | Jumping 'L' | 144-146 | 56.5-57.3% | | |
| | | Jumping pins | 147-149 | 57.6-58.4% | | |
| Off - No Strobe or FX | 150-255 | 58.8-100% | | | | |
| 9 | RGB LEDs FX crossfade time | Off | 0-1 | 0-0.4% | 0 | Snap |
| | | Crossfade fast > slow | 2-127 | 0.8-49.8% | | Fade |
| | | Crossfade and tail slow > fast | 128-255 | 50.2-100% | | Fade |
| 10 | RGB LEDs orientation | Off | 0-4 | 0-1.6% | 0 | Snap |
| | | Rotate 90° | 5-9 | 2.0-3.5% | | |
| | | Rotate 180° | 10-14 | 3.9-5.5% | | |
| | | Rotate 270° | 15-19 | 5.9-7.5% | | |
| | | Horizontal flip | 20-24 | 7.8-9.4% | | |
| | | Rotate 90° & vertical flip | 25-29 | 9.8-11.4% | | |
| | | Rotate 180° & horizontal flip | 30-34 | 11.8-13.3% | | |
| | | Rotate 270° & vertical flip | 35-39 | 13.7-15.3% | | |
| | | Off | 40-44 | 15.7-17.3% | | |
| | | Random rotate & flip | 45-49 | 17.7-19.2% | | |
| | | Random position | 50-54 | 19.6-21.2% | | |
| | | Fix 90° rotation & random position | 55-59 | 21.6-23.1% | | |
| | | Fix 180° rotation & random position | 60-64 | 23.5-25.1% | | |
| | | Fix 270° rotation & random position | 65-69 | 25.5-27.1% | | |
| | | Off | 70-74 | 27.5-29.0% | | |
| | | Bounce | 75-79 | 29.4-31.0% | | |
| | | Bounce & rotate 90° | 80-84 | 31.4-32.9% | | |
| | | Bounce & rotate 180° | 85-89 | 33.3-34.9% | | |
| | | Bounce & rotate 270° | 90-94 | 35.3-36.9% | | |
| | | Off | 95-99 | 37.3-38.8% | | |
| | | Rotate CCW at end | 100-104 | 39.2-40.8% | | |
| | | Rotate CW at end | 105-109 | 41.2-42.7% | | |
| | | Random rotate at end | 110-114 | 43.1-44.7% | | |
| | | Off | 115-134 | 45.1-52.5% | | |
| | | Rotate 90° ** | 135-139 | 52.9-54.5% | | |
| | | Rotate 180° ** | 140-144 | 54.9-56.5% | | |
| | | Rotate 270° ** | 145-149 | 56.9-58.4% | | |

| | | | | | | |
|-----------|---------------------------------|--|---------|-------------|---|------|
| | | Horizontal flip ** | 150-154 | 58.8-60.4% | | |
| | | Rotate 90° & vertical flip ** | 155-159 | 60.8-62.4% | | |
| | | Rotate 180° & horizontal flip ** | 160-164 | 62.7-64.3% | | |
| | | Rotate 270° & vertical flip ** | 165-169 | 64.7-66.3% | | |
| | | Off | 170-174 | 66.7-68.2% | | |
| | | Random Rotate & flip ** | 175-179 | 68.6-70.2% | | |
| | | Random position ** | 180-184 | 70.6-72.2% | | |
| | | Fix 90° rotation & random posn. ** | 185-189 | 72.5-74.1% | | |
| | | Fix 180° rotation & random posn. ** | 190-194 | 74.5-76.1% | | |
| | | Fix 270° rotation & random posn. ** | 195-199 | 76.5-78.0% | | |
| | | Off | 200-204 | 78.4-80.0% | | |
| | | Bounce ** | 205-209 | 80.4-82.0% | | |
| | | Bounce & rotate 90° ** | 210-214 | 82.4-83.9% | | |
| | | Bounce & rotate 180° ** | 215-219 | 84.3-85.9% | | |
| | | Bounce & rotate 270° ** | 220-224 | 86.3-87.8% | | |
| | | Off | 225-229 | 88.2-89.8% | | |
| | | Rotate CCW at end ** | 230-234 | 90.2-91.8% | | |
| | | Rotate CW at end ** | 235-239 | 92.2-93.7% | | |
| | | Random rotate at end ** | 240-244 | 94.1-95.7% | | |
| | | Off | 245-255 | 96.1-100% | | |
| 11 | RGB LEDs FX offset | 0-100% | 0-255 | 0-100% | 0 | Fade |
| 12 | RGB LEDs FX length | 0-100% | 0-255 | 0-100% | 0 | Fade |
| 13 | RGB LEDs color generator | Off | 0-9 | 0-3.5% | 0 | Snap |
| | | Random all pixels RGBCMY | 10-19 | 3.9-7.5% | | Snap |
| | | Random single pixel RGBCMY | 20-29 | 7.8-11.4% | | Snap |
| | | Random all pixels bright colors | 30-39 | 11.8-15.3% | | Snap |
| | | Random single pixel bright colors | 40-49 | 15.7-19.2% | | Snap |
| | | Red / Blue | 50-59 | 19.6-23.1% | | Snap |
| | | Red / Green | 60-69 | 23.5-27.1% | | Snap |
| | | Blue / Green | 70-79 | 27.5-31.0% | | Snap |
| | | Yellow / Magenta | 80-89 | 31.4-34.9% | | Snap |
| | | Yellow / Cyan | 90-99 | 35.3-38.8% | | Snap |
| | | Cyan / Magenta | 100-109 | 39.2-42.7% | | Snap |
| | | Yellow / Blue | 110-119 | 43.1-46.7% | | Snap |
| | | Green / Magenta | 120-129 | 47.1-50.6% | | Snap |
| | | Red / Green / Blue | 130-139 | 51.0-54.5% | | Snap |
| | | Red / Yellow / Blue | 140-149 | 54.9-58.4% | | Snap |
| | | Red / Green / Blue / Yellow / Magenta / Cyan | 150-159 | 58.8%-62.4% | | Snap |
| | | Red / Green / Blue - Horizontal line | 160-169 | 62.7-66.3% | | Snap |
| | | Red / Green / Blue - Vertical line | 170-179 | 66.7-70.2% | | Snap |
| | | No function | 180-219 | 70.6-85.9% | | Snap |
| | | Color scroll, slow -> fast | 220-229 | 86.3-89.8% | | Fade |
| | | Lite in | 230-239 | 90.2-93.7% | | Snap |
| Lite out | 240-249 | 94.1-97.6% | Snap | | | |
| Off | 250-255 | 98.0-100% | Snap | | | |

| Channel group B: White 25-pixel | | | | | | |
|--|--------------------|--------------------------------|---------|------------|-----|------|
| 14 | White pixel 1 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 15 | White pixel 2 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 16 | White pixel 3 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 17 | White pixel 4 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 18 | White pixel 5 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 19 | White pixel 6 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 20 | White pixel 7 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 21 | White pixel 8 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 22 | White pixel 9 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 23 | White pixel 10 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 24 | White pixel 11 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 25 | White pixel 12 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 26 | White pixel 13 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 27 | White pixel 14 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 28 | White pixel 15 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 29 | White pixel 16 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 30 | White pixel 17 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 31 | White pixel 18 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 32 | White pixel 19 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 33 | White pixel 20 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 34 | White pixel 21 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 35 | White pixel 22 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 36 | White pixel 23 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 37 | White pixel 24 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 38 | White pixel 25 | Intensity 0-100% | 0-255 | 0-100% | 0 | fade |
| 39 | White LEDs shutter | Shutter closed | 0-4 | 0-1.6% | 255 | Snap |
| | | Sync ramp up slow > fast | 5-39 | 2.0-15.3% | | Fade |
| | | Sync ramp down slow > fast | 40-74 | 15.7-29.0% | | Fade |
| | | Sync ramp up-down slow > fast | 75-109 | 29.4-42.7% | | Fade |
| | | Sync double flash slow > fast | 110-144 | 43.1-56.5% | | Fade |
| | | Pixel flare effect slow > fast | 145-179 | 56.9-70.2% | | Fade |
| | | Random strobe slow > fast | 180-214 | 70.6-83.9% | | Fade |
| | | Sync strobe 0.289 > 16.67 Hz | 215-249 | 84.3-97.6% | | Fade |
| | | Hyperspeed | 250-252 | 98.0-98.8% | | Snap |
| Open | 253-255 | 99.2-100% | Snap | | | |
| Control / Settings | | | | | | |
| 40 | Control / Settings | Idle | 0-11 | 0-4.3% | 0 | Snap |
| | | No function | 12-38 | 4.7-14.9% | | |
| | | Dimmer flash Off* | 39-41 | 15.3-16.1% | | |
| | | Dimmer flash On* | 42-44 | 16.5-17.3% | | |
| | | No function | 45-47 | 17.6-18.4% | | |
| | | Dimming curve Soft* | 48-50 | 18.8-19.6% | | |
| | | Dimming curve Linear* | 51-53 | 20.0-20.8% | | |
| | | No function | 54-68 | 21.2-26.7% | | |
| | | Fan mode regulated* | 69-71 | 27.1-27.8% | | |
| | | Fan mode high* | 72-74 | 28.2-29.0% | | |
| | | Fan mode medium* | 75-77 | 29.4-30.2% | | |
| | | Fan mode low* | 78-80 | 30.6-31.4% | | |
| | | No function | 81-83 | 31.8-32.5% | | |
| | | Display On* | 84-86 | 32.9-33.7% | | |
| Display Off* | 87-89 | 34.1-34.9% | | | | |
| Display Auto* | 90-92 | 35.3-36.1% | | | | |

| | | | | | |
|--|-------------------------------------|---------|------------|--|--|
| | Display invert Off* | 93-95 | 36.5-37.3% | | |
| | Display invert On* | 96-98 | 37.6-38.4% | | |
| | No DMX = Capture scene* | 99-101 | 38.8-39.6% | | |
| | No DMX = Stand-alone* | 102-104 | 40.0-40.8% | | |
| | No DMX = Blackout* | 105-107 | 41.2-42.0% | | |
| | No DMX = Hold* | 108-110 | 42.4-43.1% | | |
| | Test pattern On* | 111-113 | 43.5-44.3% | | |
| | Test pattern Off* | 114-116 | 44.7-45.5% | | |
| | Rotation Off* | 117-119 | 45.9-46.7% | | |
| | Rotate 90° * | 120-122 | 47.1-47.8% | | |
| | Rotate 180° * | 123-125 | 48.2-49.0% | | |
| | Rotate 270° * | 126-128 | 49.4-50.2% | | |
| | Pixel mirror Off* | 129-131 | 50.6-51.4% | | |
| | Pixel mirror On* | 132-134 | 51.8-52.5% | | |
| | White output limitation Off* | 135-137 | 52.9-53.7% | | |
| | White output limitation 80%* | 138-140 | 54.1-54.9% | | |
| | White output limitation 60%* | 141-143 | 55.3-56.1% | | |
| | White output limitation 40%* | 144-146 | 56.5-57.3% | | |
| | White output limitation 20%* | 147-149 | 57.6-58.4% | | |
| | White output limitation 10%* | 150-152 | 55.8-59.6% | | |
| | No function | 153-158 | 60.0-62.0% | | |
| | RGB output limitation Off%* | 159-161 | 62.4-63.1% | | |
| | RGB output limitation 80%* | 162-164 | 63.5-64.3% | | |
| | RGB output limitation 60%* | 165-167 | 64.7-65.5% | | |
| | RGB output limitation 40%* | 168-170 | 65.9-66.7% | | |
| | RGB output limitation 20%* | 171-173 | 67.1-67.8% | | |
| | RGB output limitation 10%* | 174-176 | 68.2-69.0% | | |
| | No function | 177-251 | 69.4-98.4% | | |
| | Reboot fixture* | 252-255 | 98.8-100% | | |

DMX Mode 4: White strobe with FX, RGB 25-pixel

86 DMX Channels

| Channel | Command | DMX range | Percent | Default DMX | Fade | |
|--|--|--|-----------|-------------|--------|------|
| Channel group A: White strobe with FX | | | | | | |
| 1 | White LEDs dimmer | Intensity 0-100% | 0-255 | 0-100% | 0 Fade | |
| 2 | White LEDs flash duration | Flash duration 7-650 ms | 0-255 | 0-100% | 0 Fade | |
| 3 | White LEDs flash rate (if FX are not active) | No flash | 0-1 | 0-0.4% | 0 | Snap |
| | | Single flash if Dimmer Flash = ON and value is changed on Ch 1 | | | | |
| | | Flash rate 0.289-16.67 Hz | 2-250 | 0.8-98% | | Fade |
| | | Hyperspeed | 251-252 | 98.4-98.8% | | Snap |
| | Continuously on | 253-255 | 99.2-100% | Snap | | |
| | FX speed (if FX are active) | FX speed = stop | 0-1 | 0-0.4% | Snap | |
| | | FX speed = slow > fast | 2-253 | 0.8-98.8% | Fade | |
| FX speed = stop | | 254-255 | 99.2-100% | Snap | | |
| 4 | White LEDs Flare effect | Off | 0-9 | 0-3.5% | 0 | Snap |
| | | Slow > fast | 10-49 | 3.9-19.2% | | Fade |
| | | Off | 50-59 | 19.6-23.1% | | Snap |
| | | Random slow > fast | 60-109 | 23.5-42.7% | | Fade |
| | | Off | 110-119 | 43.1-46.7% | | Snap |
| | | Random pixel slow > fast | 120-169 | 47.1-66.3% | | Fade |
| | | Off | 170-255 | 66.7-100% | | Snap |
| 5 | White LEDs FX selection | FX Off | 0-2 | 0-0.8% | 0 | Snap |
| | | Sync strobe - circle mask | 3-5 | 1.2-2.0% | | |
| | | Sync strobe - 4 dot mask | 6-8 | 2.4-3.1% | | |
| | | Sync strobe - 1 dot mask | 9-11 | 3.5-4.3% | | |
| | | Random strobe - all | 12-14 | 4.7-5.5% | | |
| | | Random strobe - circle mask | 15-17 | 5.9-6.7% | | |
| | | Random strobe - 4 dot mask | 18-20 | 7.1-7.8% | | |
| | | Random strobe - 1 dot mask | 21-23 | 8.2-9.0% | | |
| | | Lite in/out - all | 24-26 | 9.4-10.2% | | |
| | | Lite in/out - circle mask | 27-29 | 10.6-11.4% | | |
| | | Lite in/out - 4 dot mask | 30-32 | 11.8-12.6% | | |
| | | Lite in/out - 1 dot mask | 33-35 | 12.9-13.7% | | |
| | | Snake | 36-38 | 14.1-14.9% | | |
| | | Raindrops | 39-41 | 15.3-16.1% | | |
| | | Random pixel | 42-44 | 16.5-17.3% | | |
| | | Random fake x 2 | 45-47 | 17.6-18.4% | | |
| | | Random fake x 4 | 48-50 | 18.8-19.6% | | |
| | | Line | 51-53 | 20.0-20.8% | | |
| | | Double line | 54-56 | 21.2-22.0% | | |
| | | Corner to corner line | 57-59 | 22.4-23.1% | | |
| | | Tilted double lines | 60-62 | 23.5-24.3% | | |
| | | Tilted double lines in to out | 63-65 | 24.7-25.5% | | |
| | | Center line running dot | 66-68 | 25.9-26.7% | | |
| | | Middle line running dot | 69-71 | 27.1-27.8% | | |
| | | Outer line running dot | 72-74 | 28.2-29.0% | | |
| | | Corner to corner | 75-77 | 29.4-30.2% | | |
| | | Arrow | 78-80 | 30.6-31.4% | | |
| Wave | 81-83 | 31.8-32.5% | | | | |
| Wheel | 84-86 | 32.9-33.7% | | | | |

| | | | | | | |
|----------------------------------|------------------------------|-------------------------------------|---------|------------|---|------|
| | | Half wheel | 87-89 | 34.1-34.9% | | |
| | | Circling dot | 90-92 | 35.3-36.1% | | |
| | | Outer circle | 93-95 | 36.5-37.3% | | |
| | | Inner circle | 96-98 | 37.6-38.4% | | |
| | | Outer 4 dots | 99-101 | 38.8-39.6% | | |
| | | Outer single dot | 102-104 | 40.0-40.8% | | |
| | | Middle single dot | 105-107 | 41.2-42.0% | | |
| | | Spinning 2x1 dots | 108-110 | 42.4-43.1% | | |
| | | Asymmetrical 4 dots | 111-113 | 43.5-44.3% | | |
| | | Symmetrical 4 dots | 114-116 | 44.7-45.5% | | |
| | | Square | 117-119 | 45.9-46.7% | | |
| | | Inside out | 120-122 | 47.1-48.8% | | |
| | | Inside out 2 | 123-125 | 48.2-49.0% | | |
| | | Abstract 1 | 126-128 | 49.4-50.2% | | |
| | | Abstract 2 | 129-131 | 50.6-51.4% | | |
| | | Abstract 3 | 132-134 | 51.8-52.5% | | |
| | | Hash tag | 135-137 | 52.9-53.7% | | |
| | | Flip flop | 138-140 | 54.1-54.9% | | |
| | | Jumping slash | 141-143 | 55.3-56.1% | | |
| | | Jumping 'L' | 144-146 | 56.5-57.3% | | |
| | | Jumping pins | 147-149 | 57.6-58.4% | | |
| | | Off - No Strobe, no FX | 150-255 | 58.8-100% | | |
| 6 | White LEDs FX crossfade time | Off | 0-1 | 0-0.4% | 0 | Snap |
| | | Crossfade fast > slow | 2-127 | 0.8-49.8% | | Fade |
| | | Crossfade and tail slow > fast | 128-255 | 50.2-100% | | Fade |
| 7 | White LEDs orientation | Off | 0-4 | 0-1.6% | 0 | Snap |
| | | Rotate 90° | 5-9 | 2.0-3.5% | | |
| | | Rotate 180° | 10-14 | 3.9-5.5% | | |
| | | Rotate 270° | 15-19 | 5.9-7.5% | | |
| | | Horizontal flip | 20-24 | 7.8-9.4% | | |
| | | Rotate 90° & vertical flip | 25-29 | 9.8-11.4% | | |
| | | Rotate 180° & horizontal flip | 30-34 | 11.8-13.3% | | |
| | | Rotate 270° & vertical flip | 35-39 | 13.7-15.3% | | |
| | | Off | 40-44 | 15.7-17.3% | | |
| | | Random rotate & flip | 45-49 | 17.7-19.2% | | |
| | | Random position | 50-54 | 19.6-21.2% | | |
| | | Fix 90° rotation & random position | 55-59 | 21.6-23.1% | | |
| | | Fix 180° rotation & random position | 60-64 | 23.5-25.1% | | |
| | | Fix 270° rotation & random position | 65-69 | 25.5-27.1% | | |
| | | Off | 70-74 | 27.5-29.0% | | |
| | | Bounce | 75-79 | 29.4-31.0% | | |
| | | Bounce & rotate 90° | 80-84 | 31.4-32.9% | | |
| | | Bounce & rotate 180° | 85-89 | 33.3-34.9% | | |
| | | Bounce & rotate 270° | 90-94 | 35.3-36.9% | | |
| | | Off | 95-99 | 37.3-38.8% | | |
| | | Rotate CCW at end | 100-104 | 39.2-40.8% | | |
| | | Rotate CW at end | 105-109 | 41.2-42.7% | | |
| | | Random rotate at end | 110-114 | 43.1-44.7% | | |
| | | Off | 115-134 | 45.1-52.5% | | |
| | | Rotate 90° ** | 135-139 | 52.9-54.5% | | |
| | | Rotate 180° ** | 140-144 | 54.9-56.5% | | |
| | | Rotate 270° ** | 145-149 | 56.9-58.4% | | |
| Horizontal flip ** | 150-154 | 58.8-60.4% | | | | |
| Rotate 90° & vertical flip ** | 155-159 | 60.8-62.4% | | | | |
| Rotate 180° & horizontal flip ** | 160-164 | 62.7-64.3% | | | | |

| | | | | | | |
|--------------------------------------|-----------------------------|-------------------------------------|---------|------------|-----|------|
| | | Rotate 270° & vertical flip ** | 165-169 | 64.7-66.3% | | |
| | | Off | 170-174 | 66.7-68.2% | | |
| | | Random Rotate & flip ** | 175-179 | 68.6-70.2% | | |
| | | Random position ** | 180-184 | 70.6-72.2% | | |
| | | Fix 90° rotation & random posn. ** | 185-189 | 72.5-74.1% | | |
| | | Fix 180° rotation & random posn. ** | 190-194 | 74.5-76.1% | | |
| | | Fix 270° rotation & random posn. ** | 195-199 | 76.5-78.0% | | |
| | | Off | 200-204 | 78.4-80.0% | | |
| | | Bounce ** | 205-209 | 80.4-82.0% | | |
| | | Bounce & rotate 90° ** | 210-214 | 82.4-83.9% | | |
| | | Bounce & rotate 180° ** | 215-219 | 84.3-85.9% | | |
| | | Bounce & rotate 270° ** | 220-224 | 86.3-87.8% | | |
| | | Off | 225-229 | 88.2-89.8% | | |
| | | Rotate CCW at end ** | 230-234 | 90.2-91.8% | | |
| | | Rotate CW at end ** | 235-239 | 92.2-93.7% | | |
| | | Random rotate at end ** | 240-244 | 94.1-95.7% | | |
| | | Off | 245-255 | 96.1-100% | | |
| 8 | White LEDs FX offset | 0-100% | 0-255 | 0-100% | 0 | Fade |
| 9 | White LEDs FX length | 0-100% | 0-255 | 0-100% | 0 | Fade |
| Channel group B: RGB 25-pixel | | | | | | |
| 10 | RGB Pixel 1 | Red | 0-100% | 0-255 | 255 | Fade |
| 11 | | Green | 0-100% | 0-255 | 255 | Fade |
| 12 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 13 | RGB Pixel 2 | Red | 0-100% | 0-255 | 255 | Fade |
| 14 | | Green | 0-100% | 0-255 | 255 | Fade |
| 15 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 16 | RGB Pixel 3 | Red | 0-100% | 0-255 | 255 | Fade |
| 17 | | Green | 0-100% | 0-255 | 255 | Fade |
| 18 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 19 | RGB Pixel 4 | Red | 0-100% | 0-255 | 255 | Fade |
| 20 | | Green | 0-100% | 0-255 | 255 | Fade |
| 21 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 22 | RGB Pixel 5 | Red | 0-100% | 0-255 | 255 | Fade |
| 23 | | Green | 0-100% | 0-255 | 255 | Fade |
| 24 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 25 | RGB Pixel 6 | Red | 0-100% | 0-255 | 255 | Fade |
| 26 | | Green | 0-100% | 0-255 | 255 | Fade |
| 27 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 28 | RGB Pixel 7 | Red | 0-100% | 0-255 | 255 | Fade |
| 29 | | Green | 0-100% | 0-255 | 255 | Fade |
| 30 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 31 | RGB Pixel 8 | Red | 0-100% | 0-255 | 255 | Fade |
| 32 | | Green | 0-100% | 0-255 | 255 | Fade |
| 33 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 34 | RGB Pixel 9 | Red | 0-100% | 0-255 | 255 | Fade |
| 35 | | Green | 0-100% | 0-255 | 255 | Fade |
| 36 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 37 | RGB Pixel 10 | Red | 0-100% | 0-255 | 255 | Fade |
| 38 | | Green | 0-100% | 0-255 | 255 | Fade |
| 39 | | Blue | 0-100% | 0-255 | 255 | Fade |

| | | | | | | |
|----|------------------|--------------------------------|---------|------------|-----|------|
| 40 | RGB Pixel 11 | Red | 0-100% | 0-255 | 255 | Fade |
| 41 | | Green | 0-100% | 0-255 | 255 | Fade |
| 42 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 43 | RGB Pixel 12 | Red | 0-100% | 0-255 | 255 | Fade |
| 44 | | Green | 0-100% | 0-255 | 255 | Fade |
| 45 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 46 | RGB Pixel 13 | Red | 0-100% | 0-255 | 255 | Fade |
| 47 | | Green | 0-100% | 0-255 | 255 | Fade |
| 48 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 49 | RGB Pixel 14 | Red | 0-100% | 0-255 | 255 | Fade |
| 50 | | Green | 0-100% | 0-255 | 255 | Fade |
| 51 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 52 | RGB Pixel 15 | Red | 0-100% | 0-255 | 255 | Fade |
| 53 | | Green | 0-100% | 0-255 | 255 | Fade |
| 54 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 55 | RGB Pixel 16 | Red | 0-100% | 0-255 | 255 | Fade |
| 56 | | Green | 0-100% | 0-255 | 255 | Fade |
| 57 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 58 | RGB Pixel 17 | Red | 0-100% | 0-255 | 255 | Fade |
| 59 | | Green | 0-100% | 0-255 | 255 | Fade |
| 60 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 61 | RGB Pixel 18 | Red | 0-100% | 0-255 | 255 | Fade |
| 62 | | Green | 0-100% | 0-255 | 255 | Fade |
| 63 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 64 | RGB Pixel 19 | Red | 0-100% | 0-255 | 255 | Fade |
| 65 | | Green | 0-100% | 0-255 | 255 | Fade |
| 66 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 67 | RGB Pixel 20 | Red | 0-100% | 0-255 | 255 | Fade |
| 68 | | Green | 0-100% | 0-255 | 255 | Fade |
| 69 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 70 | RGB Pixel 21 | Red | 0-100% | 0-255 | 255 | Fade |
| 71 | | Green | 0-100% | 0-255 | 255 | Fade |
| 72 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 73 | RGB Pixel 22 | Red | 0-100% | 0-255 | 255 | Fade |
| 74 | | Green | 0-100% | 0-255 | 255 | Fade |
| 75 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 76 | RGB Pixel 23 | Red | 0-100% | 0-255 | 255 | Fade |
| 77 | | Green | 0-100% | 0-255 | 255 | Fade |
| 78 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 79 | RGB Pixel 24 | Red | 0-100% | 0-255 | 255 | Fade |
| 80 | | Green | 0-100% | 0-255 | 255 | Fade |
| 81 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 82 | RGB Pixel 25 | Red | 0-100% | 0-255 | 255 | Fade |
| 83 | | Green | 0-100% | 0-255 | 255 | Fade |
| 84 | | Blue | 0-100% | 0-255 | 255 | Fade |
| 85 | RGB LEDs shutter | Shutter closed | 0-4 | 0-1.6% | 255 | Snap |
| | | Sync ramp up slow > fast | 5-39 | 2.0-15.3% | | Fade |
| | | Sync ramp down slow > fast | 40-74 | 15.7-29.0% | | Fade |
| | | Sync ramp up-down slow > fast | 75-109 | 29.4-42.7% | | Fade |
| | | Sync double flash slow > fast | 110-144 | 43.1-56.5% | | Fade |
| | | Pixel flare effect slow > fast | 145-179 | 56.9-70.2% | | Fade |
| | | Random strobe slow > fast | 180-214 | 70.6-83.9% | | Fade |
| | | Sync strobe 0.289 > 16.67 Hz | 215-249 | 84.3-97.6% | | Fade |

| | | | | | | |
|--|--|------------|---------|------------|--|------|
| | | Hyperspeed | 250-252 | 98.0-98.8% | | Snap |
| | | Open | 253-255 | 99.2-100% | | Snap |

| Control / Settings | | | | | | |
|----------------------------|--------------------|-------------------------------------|---------|------------|---|------|
| 86 | Control / Settings | Idle | 0-11 | 0-4.3% | 0 | Snap |
| | | No function | 12-38 | 4.7-14.9% | | |
| | | Dimmer flash Off* | 39-41 | 15.3-16.1% | | |
| | | Dimmer flash On* | 42-44 | 16.5-17.3% | | |
| | | No function | 45-47 | 17.6-18.4% | | |
| | | Dimming curve Soft* | 48-50 | 18.8-19.6% | | |
| | | Dimming curve Linear* | 51-53 | 20.0-20.8% | | |
| | | No function | 54-68 | 21.2-26.7% | | |
| | | Fan mode regulated* | 69-71 | 27.1-27.8% | | |
| | | Fan mode high* | 72-74 | 28.2-29.0% | | |
| | | Fan mode medium* | 75-77 | 29.4-30.2% | | |
| | | Fan mode low* | 78-80 | 30.6-31.4% | | |
| | | No function | 81-83 | 31.8-32.5% | | |
| | | Display On* | 84-86 | 32.9-33.7% | | |
| | | Display Off* | 87-89 | 34.1-34.9% | | |
| | | Display Auto* | 90-92 | 35.3-36.1% | | |
| | | Display invert Off* | 93-95 | 36.5-37.3% | | |
| | | Display invert On* | 96-98 | 37.6-38.4% | | |
| | | No DMX = Capture scene* | 99-101 | 38.8-39.6% | | |
| | | No DMX = Stand-alone* | 102-104 | 40.0-40.8% | | |
| | | No DMX = Blackout* | 105-107 | 41.2-42.0% | | |
| | | No DMX = Hold* | 108-110 | 42.4-43.1% | | |
| | | Test pattern On* | 111-113 | 43.5-44.3% | | |
| | | Test pattern Off* | 114-116 | 44.7-45.5% | | |
| | | Rotation Off* | 117-119 | 45.9-46.7% | | |
| | | Rotate 90° * | 120-122 | 47.1-47.8% | | |
| | | Rotate 180° * | 123-125 | 48.2-49.0% | | |
| | | Rotate 270° * | 126-128 | 49.4-50.2% | | |
| | | Pixel mirror Off* | 129-131 | 50.6-51.4% | | |
| | | Pixel mirror On* | 132-134 | 51.8-52.5% | | |
| | | White output limitation Off* | 135-137 | 52.9-53.7% | | |
| | | White output limitation 80%* | 138-140 | 54.1-54.9% | | |
| | | White output limitation 60%* | 141-143 | 55.3-56.1% | | |
| | | White output limitation 40%* | 144-146 | 56.5-57.3% | | |
| | | White output limitation 20%* | 147-149 | 57.6-58.4% | | |
| | | White output limitation 10%* | 150-152 | 58.8-59.6% | | |
| | | No function | 153-158 | 60.0-62.0% | | |
| | | RGB output limitation Off%* | 159-161 | 62.4-63.1% | | |
| | | RGB output limitation 80%* | 162-164 | 63.5-64.3% | | |
| | | RGB output limitation 60%* | 165-167 | 64.7-65.5% | | |
| | | RGB output limitation 40%* | 168-170 | 65.9-66.7% | | |
| | | RGB output limitation 20%* | 171-173 | 67.1-67.8% | | |
| RGB output limitation 10%* | 174-176 | 68.2-69.0% | | | | |
| No function | 177-251 | 69.4-98.4% | | | | |
| Reboot fixture* | 252-255 | 98.8-100% | | | | |

DMX Mode 5: Multi-layer RGBW with FX

35 DMX Channels

| Channel | Command | DMX range | Percent | Default DMX | Fade | |
|---|--|---|---------|-------------|-----------|------|
| Channel group A: Base layer RGBW (low priority) | | | | | | |
| 1 | Red | Intensity 0-100% | 0-255 | 0-100% | 0 Fade | |
| 2 | Green | Intensity 0-100% | 0-255 | 0-100% | 0 Fade | |
| 3 | Blue | Intensity 0-100% | 0-255 | 0-100% | 0 Fade | |
| 4 | White | Intensity 0-100% | 0-255 | 0-100% | 0 Fade | |
| Channel group B: Layer 2 RGBW strobe with FX (medium priority, true color) | | | | | | |
| 5 | Layer 2 master (16-bit) | Layer 2 = transparent | 0-1 | 0-0.4% | 0 | Snap |
| 6 | | Layer 2 intensity 0-100% | 2-65535 | 0.8-100% | | Fade |
| 7 | Layer 2 flash duration | 7-650 ms | 0-255 | 0-100% | 0 | Fade |
| 8 | Layer 2 flash rate (if FX not active) | No flash <i>Single flash if Dimmer Flash = ON and value is changed on Ch 5</i> | 0-1 | 0-0.4% | 0 | Snap |
| | | Flash rate 0.289-16.67 Hz | 2-250 | 0.8-98% | | Fade |
| | | Hyperspeed | 251-252 | 98.4-98.8% | | Snap |
| | | Continuously on | 253-255 | 99.2-100% | | Snap |
| | Layer 2 FX speed (If FX active) | FX speed = stop | 0-1 | 0-0.4% | | Snap |
| | | FX speed = slow > fast | 2-253 | 0.8-98.8% | | Fade |
| 9 | Layer 2 Flare effect | Off | 0-9 | 0-3.5% | 0 | Snap |
| | | Slow > fast | 10-49 | 3.9-19.2% | | Fade |
| | | Off | 50-59 | 19.6-23.1% | | Snap |
| | | Random slow > fast | 60-109 | 23.5-42.7% | | Fade |
| | | Off | 110-119 | 43.1-46.7% | | Snap |
| | | Random pixel slow > fast | 120-169 | 47.1-66.3% | | Fade |
| | | Off | 170-255 | 66.7-100% | | Snap |
| 10 | Layer 2 Red | Intensity 0-100% | 0-255 | 0-100% | 0 Fade | |
| 11 | Layer 2 Green | Intensity 0-100% | 0-255 | 0-100% | 0 Fade | |
| 12 | Layer 2 Blue | Intensity 0-100% | 0-255 | 0-100% | 0 Fade | |
| 13 | Layer 2 White | Intensity 0-100% | 0-255 | 0-100% | 0 Fade | |
| 14 | Layer 2 FX selection | FX Off | 0-2 | 0-0.8% | 0 | Snap |
| | | Sync strobe - circle mask | 3-5 | 1.2-2.0% | | |
| | | Sync strobe - 4 dot mask | 6-8 | 2.4-3.1% | | |
| | | Sync strobe - 1 dot mask | 9-11 | 3.5-4.3% | | |
| | | Random strobe - all | 12-14 | 4.7-5.5% | | |
| | | Random strobe - circle mask | 15-17 | 5.9-6.7% | | |
| | | Random strobe - 4 dot mask | 18-20 | 7.1-7.8% | | |
| | | Random strobe - 1 dot mask | 21-23 | 8.2-9.0% | | |
| | | Lite in/out - all | 24-26 | 9.4-10.2% | | |
| | | Lite in/out - circle mask | 27-29 | 10.6-11.4% | | |
| | | Lite in/out - 4 dot mask | 30-32 | 11.8-12.6% | | |
| | | Lite in/out - 1 dot mask | 33-35 | 12.9-13.7% | | |
| | | Snake | 36-38 | 14.1-14.9% | | |
| | | Raindrops | 39-41 | 15.3-16.1% | | |
| | | Random pixel | 42-44 | 16.5-17.3% | | |
| | | Random fake x 2 | 45-47 | 17.6-18.4% | | |
| | | Random fake x 4 | 48-50 | 18.8-19.6% | | |
| Line | 51-53 | 20.0-20.8% | | | | |
| Double line | 54-56 | 21.2-22.0% | | | | |
| Corner to corner line | 57-59 | 22.4-23.1% | | | | |

| | | | | | | |
|-------------------|---------------------------|-------------------------------------|---------|------------|---|------|
| | | Tilted double lines | 60-62 | 23.5-24.3% | | |
| | | Tilted double lines in to out | 63-65 | 24.7-25.5% | | |
| | | Center line running dot | 66-68 | 25.9-26.7% | | |
| | | Middle line running dot | 69-71 | 27.1-27.8% | | |
| | | Outer line running dot | 72-74 | 28.2-29.0% | | |
| | | Corner to corner | 75-77 | 29.4-30.2% | | |
| | | Arrow | 78-80 | 30.6-31.4% | | |
| | | Wave | 81-83 | 31.8-32.5% | | |
| | | Wheel | 84-86 | 32.9-33.7% | | |
| | | Half wheel | 87-89 | 34.1-34.9% | | |
| | | Circling dot | 90-92 | 35.3-36.1% | | |
| | | Outer circle | 93-95 | 36.5-37.3% | | |
| | | Inner circle | 96-98 | 37.6-38.4% | | |
| | | Outer 4 dots | 99-101 | 38.8-39.6% | | |
| | | Outer single dot | 102-104 | 40.0-40.8% | | |
| | | Middle single dot | 105-107 | 41.2-42.0% | | |
| | | Spinning 2x1 dots | 108-110 | 42.4-43.1% | | |
| | | Asymmetrical 4 dots | 111-113 | 43.5-44.3% | | |
| | | Symmetrical 4 dots | 114-116 | 44.7-45.5% | | |
| | | Square | 117-119 | 45.9-46.7% | | |
| | | Inside out | 120-122 | 47.1-48.8% | | |
| | | Inside out 2 | 123-125 | 48.2-49.0% | | |
| | | Abstract 1 | 126-128 | 49.4-50.2% | | |
| | | Abstract 2 | 129-131 | 50.6-51.4% | | |
| | | Abstract 3 | 132-134 | 51.8-52.5% | | |
| | | Hash tag | 135-137 | 52.9-53.7% | | |
| | | Flip flop | 138-140 | 54.1-54.9% | | |
| | | Jumping slash | 141-143 | 55.3-56.1% | | |
| | | Jumping 'L' | 144-146 | 56.5-57.3% | | |
| | | Jumping pins | 147-149 | 57.6-58.4% | | |
| | | Off - No Strobe or FX | 150-255 | 58.8-100% | | |
| 15 | Layer 2 FX crossfade time | Off | 0-1 | 0-0.4% | 0 | Snap |
| | | Crossfade fast > slow | 2-127 | 0.8-49.8% | | Fade |
| | | Crossfade and tail slow > fast | 128-255 | 50.2-100% | | Fade |
| 16 | Layer 2 orientation | Off | 0-4 | 0-1.6% | 0 | Snap |
| | | Rotate 90° | 5-9 | 2.0-3.5% | | |
| | | Rotate 180° | 10-14 | 3.9-5.5% | | |
| | | Rotate 270° | 15-19 | 5.9-7.5% | | |
| | | Horizontal flip | 20-24 | 7.8-9.4% | | |
| | | Rotate 90° & vertical flip | 25-29 | 9.8-11.4% | | |
| | | Rotate 180° & horizontal flip | 30-34 | 11.8-13.3% | | |
| | | Rotate 270° & vertical flip | 35-39 | 13.7-15.3% | | |
| | | Off | 40-44 | 15.7-17.3% | | |
| | | Random rotate & flip | 45-49 | 17.7-19.2% | | |
| | | Random position | 50-54 | 19.6-21.2% | | |
| | | Fix 90° rotation & random position | 55-59 | 21.6-23.1% | | |
| | | Fix 180° rotation & random position | 60-64 | 23.5-25.1% | | |
| | | Fix 270° rotation & random position | 65-69 | 25.5-27.1% | | |
| | | Off | 70-74 | 27.5-29.0% | | |
| | | Bounce | 75-79 | 29.4-31.0% | | |
| | | Bounce & rotate 90° | 80-84 | 31.4-32.9% | | |
| | | Bounce & rotate 180° | 85-89 | 33.3-34.9% | | |
| | | Bounce & rotate 270° | 90-94 | 35.3-36.9% | | |
| | | Off | 95-99 | 37.3-38.8% | | |
| Rotate CCW at end | 100-104 | 39.2-40.8% | | | | |

| | | | | | | |
|----|----------------------------|--|---------|-------------|---|------|
| | | Rotate CW at end | 105-109 | 41.2-42.7% | | |
| | | Random rotate at end | 110-114 | 43.1-44.7% | | |
| | | Off | 115-134 | 45.1-52.5% | | |
| | | Rotate 90° ** | 135-139 | 52.9-54.5% | | |
| | | Rotate 180° ** | 140-144 | 54.9-56.5% | | |
| | | Rotate 270° ** | 145-149 | 56.9-58.4% | | |
| | | Horizontal flip ** | 150-154 | 58.8-60.4% | | |
| | | Rotate 90° & vertical flip ** | 155-159 | 60.8-62.4% | | |
| | | Rotate 180° & horizontal flip ** | 160-164 | 62.7-64.3% | | |
| | | Rotate 270° & vertical flip ** | 165-169 | 64.7-66.3% | | |
| | | Off | 170-174 | 66.7-68.2% | | |
| | | Random Rotate & flip ** | 175-179 | 68.6-70.2% | | |
| | | Random position ** | 180-184 | 70.6-72.2% | | |
| | | Fix 90° rotation & random posn. ** | 185-189 | 72.5-74.1% | | |
| | | Fix 180° rotation & random posn. ** | 190-194 | 74.5-76.1% | | |
| | | Fix 270° rotation & random posn. ** | 195-199 | 76.5-78.0% | | |
| | | Off | 200-204 | 78.4-80.0% | | |
| | | Bounce ** | 205-209 | 80.4-82.0% | | |
| | | Bounce & rotate 90° ** | 210-214 | 82.4-83.9% | | |
| | | Bounce & rotate 180° ** | 215-219 | 84.3-85.9% | | |
| | | Bounce & rotate 270° ** | 220-224 | 86.3-87.8% | | |
| | | Off | 225-229 | 88.2-89.8% | | |
| | | Rotate CCW at end ** | 230-234 | 90.2-91.8% | | |
| | | Rotate CW at end ** | 235-239 | 92.2-93.7% | | |
| | | Random rotate at end ** | 240-244 | 94.1-95.7% | | |
| | | Off | 245-255 | 96.1-100% | | |
| 17 | Layer 2 FX offset | 0-100% | 0-255 | 0-100% | 0 | Fade |
| 18 | Layer 2 FX length | 0-100% | 0-255 | 0-100% | 0 | Fade |
| 19 | Layer 2 FX color generator | Off | 0-9 | 0-3.5% | 0 | Snap |
| | | Random all pixels RGBCMY | 10-19 | 3.9-7.5% | | Snap |
| | | Random single pixel RGBCMY | 20-29 | 7.8-11.4% | | Snap |
| | | Random all pixels bright colors | 30-39 | 11.8-15.3% | | Snap |
| | | Random single pixel bright colors | 40-49 | 15.7-19.2% | | Snap |
| | | Red / Blue | 50-59 | 19.6-23.1% | | Snap |
| | | Red / Green | 60-69 | 23.5-27.1% | | Snap |
| | | Blue / Green | 70-79 | 27.5-31.0% | | Snap |
| | | Yellow / Magenta | 80-89 | 31.4-34.9% | | Snap |
| | | Yellow / Cyan | 90-99 | 35.3-38.8% | | Snap |
| | | Cyan / Magenta | 100-109 | 39.2-42.7% | | Snap |
| | | Yellow / Blue | 110-119 | 43.1-46.7% | | Snap |
| | | Green / Magenta | 120-129 | 47.1-50.6% | | Snap |
| | | Red / Green / Blue | 130-139 | 51.0-54.5% | | Snap |
| | | Red / Yellow / Blue | 140-149 | 54.9-58.4% | | Snap |
| | | Red / Green / Blue / Yellow / Magenta / Cyan | 150-159 | 58.8%-62.4% | | Snap |
| | | Red / Green / Blue - Horizontal line | 160-169 | 62.7-66.3% | | Snap |
| | | Red / Green / Blue - Vertical line | 170-179 | 66.7-70.2% | | Snap |
| | | No function | 180-219 | 70.6-85.9% | | Snap |
| | | Color scroll, slow -> fast | 220-229 | 86.3-89.8% | | Fade |
| | | Lite in | 230-239 | 90.2-93.7% | | Snap |
| | | Lite out | 240-249 | 94.1-97.6% | | Snap |
| | | Off | 250-255 | 98.0-100% | | Snap |

| Channel group C: Layer 3 RGBW strobe with FX (high priority, true color) | | | | | | | |
|--|---|--|-----------|------------|------|--------------|--|
| 20 | Layer 3 master | Layer 3 = transparent | 0-1 | 0-0.4% | 0 | Snap Fade | |
| 21 | | Layer 3 intensity 0-100% | 2-65535 | 0.8-100% | | | |
| 22 | Layer 3 flash duration | 7-650 ms | 0-255 | 0-100% | 0 | Fade | |
| 23 | Layer 3 flash rate (if FX are not active) | No flash | 0-1 | 0-0.4% | 0 | Snap | |
| | | <i>Single flash if Dimmer Flash = ON and value is changed on Ch 20</i> | | | | | |
| | | Flash rate 0.289-16.67 Hz | 2-250 | 0.8-98% | | Fade | |
| | | Hyperspeed | 251-252 | 98.4-98.8% | | Snap | |
| | Continuously on | 253-255 | 99.2-100% | Snap | | | |
| | Layer 3 FX speed (if FX are active) | FX speed = stop | 0-1 | 0-0.4% | Snap | | |
| | | FX speed = slow > fast | 2-253 | 0.8-98.8% | Fade | | |
| FX speed = stop | | 254-255 | 99.2-100% | Snap | | | |
| 24 | Layer 3 Flare effect | Off | 0-9 | 0-3.5% | 0 | Snap | |
| | | Slow > fast | 10-49 | 3.9-19.2% | | Fade | |
| | | Off | 50-59 | 19.6-23.1% | | Snap | |
| | | Random slow > fast | 60-109 | 23.5-42.7% | | Fade | |
| | | Off | 110-119 | 43.1-46.7% | | Snap | |
| | | Random pixel slow > fast | 120-169 | 47.1-66.3% | | Fade | |
| | | Off | 170-255 | 66.7-100% | | Snap | |
| 25 | Layer 3 Red | Intensity 0-100% | 0-255 | 0-100% | 0 | Fade | |
| 26 | Layer 3 Green | Intensity 0-100% | 0-255 | 0-100% | 0 | Fade | |
| 27 | Layer 3 Blue | Intensity 0-100% | 0-255 | 0-100% | 0 | Fade | |
| 28 | Layer 3 White | Intensity 0-100% | 0-255 | 0-100% | 0 | Fade | |
| 29 | Layer 3 FX selection | FX Off | 0-2 | 0-0.8% | 0 | Snap | |
| | | Sync strobe - circle mask | 3-5 | 1.2-2.0% | | | |
| | | Sync strobe - 4 dot mask | 6-8 | 2.4-3.1% | | | |
| | | Sync strobe - 1 dot mask | 9-11 | 3.5-4.3% | | | |
| | | Random strobe - all | 12-14 | 4.7-5.5% | | | |
| | | Random strobe - circle mask | 15-17 | 5.9-6.7% | | | |
| | | Random strobe - 4 dot mask | 18-20 | 7.1-7.8% | | | |
| | | Random strobe - 1 dot mask | 21-23 | 8.2-9.0% | | | |
| | | Life in/out - all | 24-26 | 9.4-10.2% | | | |
| | | Life in/out - circle mask | 27-29 | 10.6-11.4% | | | |
| | | Life in/out - 4 dot mask | 30-32 | 11.8-12.6% | | | |
| | | Life in/out - 1 dot mask | 33-35 | 12.9-13.7% | | | |
| | | Snake | 36-38 | 14.1-14.9% | | | |
| | | Raindrops | 39-41 | 15.3-16.1% | | | |
| | | Random pixel | 42-44 | 16.5-17.3% | | | |
| | | Random fake x 2 | 45-47 | 17.6-18.4% | | | |
| | | Random fake x 4 | 48-50 | 18.8-19.6% | | | |
| | | Line | 51-53 | 20.0-20.8% | | | |
| | | Double line | 54-56 | 21.2-22.0% | | | |
| | | Corner to corner line | 57-59 | 22.4-23.1% | | | |
| | | Tilted double lines | 60-62 | 23.5-24.3% | | | |
| | | Tilted double lines in to out | 63-65 | 24.7-25.5% | | | |
| | | Center line running dot | 66-68 | 25.9-26.7% | | | |
| | | Middle line running dot | 69-71 | 27.1-27.8% | | | |
| | | Outer line running dot | 72-74 | 28.2-29.0% | | | |
| | | Corner to corner | 75-77 | 29.4-30.2% | | | |
| | | Arrow | 78-80 | 30.6-31.4% | | | |
| | | Wave | 81-83 | 31.8-32.5% | | | |
| Wheel | 84-86 | 32.9-33.7% | | | | | |
| Half wheel | 87-89 | 34.1-34.9% | | | | | |
| Circling dot | 90-92 | 35.3-36.1% | | | | | |

| | | | | | | |
|-----|---------------------------|-------------------------------------|---------|------------|---|------|
| | | Outer circle | 93-95 | 36.5-37.3% | | |
| | | Inner circle | 96-98 | 37.6-38.4% | | |
| | | Outer 4 dots | 99-101 | 38.8-39.6% | | |
| | | Outer single dot | 102-104 | 40.0-40.8% | | |
| | | Middle single dot | 105-107 | 41.2-42.0% | | |
| | | Spinning 2x1 dots | 108-110 | 42.4-43.1% | | |
| | | Asymmetrical 4 dots | 111-113 | 43.5-44.3% | | |
| | | Symmetrical 4 dots | 114-116 | 44.7-45.5% | | |
| | | Square | 117-119 | 45.9-46.7% | | |
| | | Inside out | 120-122 | 47.1-48.8% | | |
| | | Inside out 2 | 123-125 | 48.2-49.0% | | |
| | | Abstract 1 | 126-128 | 49.4-50.2% | | |
| | | Abstract 2 | 129-131 | 50.6-51.4% | | |
| | | Abstract 3 | 132-134 | 51.8-52.5% | | |
| | | Hash tag | 135-137 | 52.9-53.7% | | |
| | | Flip flop | 138-140 | 54.1-54.9% | | |
| | | Jumping slash | 141-143 | 55.3-56.1% | | |
| | | Jumping 'L' | 144-146 | 56.5-57.3% | | |
| | | Jumping pins | 147-149 | 57.6-58.4% | | |
| | | Off - no strobe or FX | 150-255 | 58.8-100% | | |
| 30 | Layer 3 FX crossfade time | Off | 0-1 | 0-0.4% | 0 | Snap |
| | | Crossfade fast > slow | 2-127 | 0.8-49.8% | | Fade |
| | | Crossfade and tail slow > fast | 128-255 | 50.2-100% | | Fade |
| 31 | Layer 3 orientation | Off | 0-4 | 0-1.6% | 0 | Snap |
| | | Rotate 90° | 5-9 | 2.0-3.5% | | |
| | | Rotate 180° | 10-14 | 3.9-5.5% | | |
| | | Rotate 270° | 15-19 | 5.9-7.5% | | |
| | | Horizontal flip | 20-24 | 7.8-9.4% | | |
| | | Rotate 90° & vertical flip | 25-29 | 9.8-11.4% | | |
| | | Rotate 180° & horizontal flip | 30-34 | 11.8-13.3% | | |
| | | Rotate 270° & vertical flip | 35-39 | 13.7-15.3% | | |
| | | Off | 40-44 | 15.7-17.3% | | |
| | | Random rotate & flip | 45-49 | 17.7-19.2% | | |
| | | Random position | 50-54 | 19.6-21.2% | | |
| | | Fix 90° rotation & random position | 55-59 | 21.6-23.1% | | |
| | | Fix 180° rotation & random position | 60-64 | 23.5-25.1% | | |
| | | Fix 270° rotation & random position | 65-69 | 25.5-27.1% | | |
| | | Off | 70-74 | 27.5-29.0% | | |
| | | Bounce | 75-79 | 29.4-31.0% | | |
| | | Bounce & rotate 90° | 80-84 | 31.4-32.9% | | |
| | | Bounce & rotate 180° | 85-89 | 33.3-34.9% | | |
| | | Bounce & rotate 270° | 90-94 | 35.3-36.9% | | |
| | | Off | 95-99 | 37.3-38.8% | | |
| | | Rotate CCW at end | 100-104 | 39.2-40.8% | | |
| | | Rotate CW at end | 105-109 | 41.2-42.7% | | |
| | | Random rotate at end | 110-114 | 43.1-44.7% | | |
| | | Off | 115-134 | 45.1-52.5% | | |
| | | Rotate 90° ** | 135-139 | 52.9-54.5% | | |
| | | Rotate 180° ** | 140-144 | 54.9-56.5% | | |
| | | Rotate 270° ** | 145-149 | 56.9-58.4% | | |
| | | Horizontal flip ** | 150-154 | 58.8-60.4% | | |
| | | Rotate 90° & vertical flip ** | 155-159 | 60.8-62.4% | | |
| | | Rotate 180° & horizontal flip ** | 160-164 | 62.7-64.3% | | |
| | | Rotate 270° & vertical flip ** | 165-169 | 64.7-66.3% | | |
| Off | 170-174 | 66.7-68.2% | | | | |

| | | | | | | |
|-----------|-----------------------------------|--|---------|-------------|---|------|
| | | Random Rotate & flip ** | 175-179 | 68.6-70.2% | | |
| | | Random position ** | 180-184 | 70.6-72.2% | | |
| | | Fix 90° rotation & random posn. ** | 185-189 | 72.5-74.1% | | |
| | | Fix 180° rotation & random posn. ** | 190-194 | 74.5-76.1% | | |
| | | Fix 270° rotation & random posn. ** | 195-199 | 76.5-78.0% | | |
| | | Off | 200-204 | 78.4-80.0% | | |
| | | Bounce ** | 205-209 | 80.4-82.0% | | |
| | | Bounce & rotate 90° ** | 210-214 | 82.4-83.9% | | |
| | | Bounce & rotate 180° ** | 215-219 | 84.3-85.9% | | |
| | | Bounce & rotate 270° ** | 220-224 | 86.3-87.8% | | |
| | | Off | 225-229 | 88.2-89.8% | | |
| | | Rotate CCW at end ** | 230-234 | 90.2-91.8% | | |
| | | Rotate CW at end ** | 235-239 | 92.2-93.7% | | |
| | | Random rotate at end ** | 240-244 | 94.1-95.7% | | |
| | | Off | 245-255 | 96.1-100% | | |
| 32 | Layer 3 FX offset | 0-100% | 0-255 | 0-100% | 0 | Fade |
| 33 | Layer 3 FX length | 0-100% | 0-255 | 0-100% | 0 | Fade |
| 34 | Layer 3 FX color generator | Off | 0-9 | 0-3.5% | 0 | Snap |
| | | Random all pixels RGBCMY | 10-19 | 3.9-7.5% | | Snap |
| | | Random single pixel RGBCMY | 20-29 | 7.8-11.4% | | Snap |
| | | Random all pixels bright colors | 30-39 | 11.8-15.3% | | Snap |
| | | Random single pixel bright colors | 40-49 | 15.7-19.2% | | Snap |
| | | Red / Blue | 50-59 | 19.6-23.1% | | Snap |
| | | Red / Green | 60-69 | 23.5-27.1% | | Snap |
| | | Blue / Green | 70-79 | 27.5-31.0% | | Snap |
| | | Yellow / Magenta | 80-89 | 31.4-34.9% | | Snap |
| | | Yellow / Cyan | 90-99 | 35.3-38.8% | | Snap |
| | | Cyan / Magenta | 100-109 | 39.2-42.7% | | Snap |
| | | Yellow / Blue | 110-119 | 43.1-46.7% | | Snap |
| | | Green / Magenta | 120-129 | 47.1-50.6% | | Snap |
| | | Red / Green / Blue | 130-139 | 51.0-54.5% | | Snap |
| | | Red / Yellow / Blue | 140-149 | 54.9-58.4% | | Snap |
| | | Red / Green / Blue / Yellow / Magenta / Cyan | 150-159 | 58.8%-62.4% | | Snap |
| | | Red / Green / Blue - Horizontal line | 160-169 | 62.7-66.3% | | Snap |
| | | Red / Green / Blue - Vertical line | 170-179 | 66.7-70.2% | | Snap |
| | | No function | 180-219 | 70.6-85.9% | | Snap |
| | | Color scroll, slow -> fast | 220-229 | 86.3-89.8% | | Fade |
| | | Lite in | 230-239 | 90.2-93.7% | | Snap |
| Lite out | 240-249 | 94.1-97.6% | Snap | | | |
| Off | 250-255 | 98.0-100% | Snap | | | |

| Control / Settings | | | | | | |
|----------------------------|--------------------|-------------------------------------|---------|------------|---|------|
| 35 | Control / Settings | Idle | 0-11 | 0-4.3% | 0 | Snap |
| | | No function | 12-38 | 4.7-14.9% | | |
| | | Dimmer flash Off* | 39-41 | 15.3-16.1% | | |
| | | Dimmer flash On* | 42-44 | 16.5-17.3% | | |
| | | No function | 45-47 | 17.6-18.4% | | |
| | | Dimming curve Soft* | 48-50 | 18.8-19.6% | | |
| | | Dimming curve Linear* | 51-53 | 20.0-20.8% | | |
| | | No function | 54-68 | 21.2-26.7% | | |
| | | Fan mode regulated* | 69-71 | 27.1-27.8% | | |
| | | Fan mode high* | 72-74 | 28.2-29.0% | | |
| | | Fan mode medium* | 75-77 | 29.4-30.2% | | |
| | | Fan mode low* | 78-80 | 30.6-31.4% | | |
| | | No function | 81-83 | 31.8-32.5% | | |
| | | Display On* | 84-86 | 32.9-33.7% | | |
| | | Display Off* | 87-89 | 34.1-34.9% | | |
| | | Display Auto* | 90-92 | 35.3-36.1% | | |
| | | Display invert Off* | 93-95 | 36.5-37.3% | | |
| | | Display invert On* | 96-98 | 37.6-38.4% | | |
| | | No DMX = Capture scene* | 99-101 | 38.8-39.6% | | |
| | | No DMX = Stand-alone* | 102-104 | 40.0-40.8% | | |
| | | No DMX = Blackout* | 105-107 | 41.2-42.0% | | |
| | | No DMX = Hold* | 108-110 | 42.4-43.1% | | |
| | | Test pattern On* | 111-113 | 43.5-44.3% | | |
| | | Test pattern Off* | 114-116 | 44.7-45.5% | | |
| | | Rotation Off* | 117-119 | 45.9-46.7% | | |
| | | Rotate 90° * | 120-122 | 47.1-47.8% | | |
| | | Rotate 180° * | 123-125 | 48.2-49.0% | | |
| | | Rotate 270° * | 126-128 | 49.4-50.2% | | |
| | | Pixel mirror Off* | 129-131 | 50.6-51.4% | | |
| | | Pixel mirror On* | 132-134 | 51.8-52.5% | | |
| | | White output limitation Off* | 135-137 | 52.9-53.7% | | |
| | | White output limitation 80%* | 138-140 | 54.1-54.9% | | |
| | | White output limitation 60%* | 141-143 | 55.3-56.1% | | |
| | | White output limitation 40%* | 144-146 | 56.5-57.3% | | |
| | | White output limitation 20%* | 147-149 | 57.6-58.4% | | |
| | | White output limitation 10%* | 150-152 | 58.8-59.6% | | |
| | | No function | 153-158 | 60.0-62.0% | | |
| | | RGB output limitation Off%* | 159-161 | 62.4-63.1% | | |
| | | RGB output limitation 80%* | 162-164 | 63.5-64.3% | | |
| | | RGB output limitation 60%* | 165-167 | 64.7-65.5% | | |
| | | RGB output limitation 40%* | 168-170 | 65.9-66.7% | | |
| | | RGB output limitation 20%* | 171-173 | 67.1-67.8% | | |
| RGB output limitation 10%* | 174-176 | 68.2-69.0% | | | | |
| No function | 177-251 | 69.4-98.4% | | | | |
| Reboot fixture* | 252-255 | 98.8-100% | | | | |

DMX Mode 6: RGBW 25-pixel, 8-bit

102 DMX Channels

| Channel | Command | DMX range | Percent | Default DMX | Fade | |
|----------------------------|---------------|------------------------|---------|-------------|------|------|
| RGBW 25-pixel 8-bit | | | | | | |
| 1 | Pixel 1 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 2 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 3 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 4 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 5 | Pixel 2 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 6 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 7 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 8 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 9 | Pixel 3 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 10 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 11 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 12 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 13 | Pixel 4 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 14 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 15 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 16 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 17 | Pixel 5 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 18 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 19 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 20 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 21 | Pixel 6 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 22 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 23 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 24 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 25 | Pixel 7 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 26 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 27 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 28 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 29 | Pixel 8 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 30 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 31 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 32 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 33 | Pixel 9 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 34 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 35 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 36 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 37 | Pixel 10 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 38 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 39 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 40 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 41 | Pixel 11 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 42 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 43 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 44 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 45 | Pixel 12 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 46 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 47 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 48 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |

| | | | | | | |
|-----|---------------------|--------------------------------|---------|------------|-----|------|
| 49 | Pixel 13 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 50 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 51 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 52 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 53 | Pixel 14 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 54 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 55 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 56 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 57 | Pixel 15 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 58 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 59 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 60 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 61 | Pixel 16 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 62 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 63 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 64 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 65 | Pixel 17 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 66 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 67 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 68 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 69 | Pixel 18 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 70 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 71 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 72 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 73 | Pixel 19 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 74 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 75 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 76 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 77 | Pixel 20 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 78 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 79 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 80 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 81 | Pixel 21 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 82 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 83 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 84 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 85 | Pixel 22 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 86 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 87 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 88 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 89 | Pixel 23 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 90 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 91 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 92 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 93 | Pixel 24 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 94 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 95 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 96 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 97 | Pixel 25 RGBW | Red intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 98 | | Green intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 99 | | Blue intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 100 | | White intensity 0-100% | 0-255 | 0-100% | 0 | Fade |
| 101 | Shutter, all pixels | Shutter closed | 0-4 | 0-1.6% | 255 | Snap |
| | | Sync ramp up slow > fast | 5-39 | 2.0-15.3% | | Fade |
| | | Sync ramp down slow > fast | 40-74 | 15.7-29.0% | | Fade |
| | | Sync ramp up-down slow > fast | 75-109 | 29.4-42.7% | | Fade |
| | | Sync double flash slow > fast | 110-144 | 43.1-56.5% | | Fade |
| | | Pixel flare effect slow > fast | 145-179 | 56.9-70.2% | | Fade |

| | | | | | | |
|------------------------------------|--------------------|-------------------------------------|---------|------------|---|------|
| | | Random strobe slow > fast | 180-214 | 70.6-83.9% | | Fade |
| | | Sync strobe 0.289 > 16.67 Hz | 215-249 | 84.3-97.6% | | Fade |
| | | Hyperspeed | 250-252 | 98.0-98.8% | | Snap |
| | | Open | 253-255 | 99.2-100% | | Snap |
| Control / Settings | | | | | | |
| 102 | Control / Settings | Idle | 0-11 | 0-4.3% | 0 | Snap |
| | | No function | 12-38 | 4.7-14.9% | | |
| | | Dimmer flash Off* | 39-41 | 15.3-16.1% | | |
| | | Dimmer flash On* | 42-44 | 16.5-17.3% | | |
| | | No function | 45-47 | 17.6-18.4% | | |
| | | Dimming curve Soft* | 48-50 | 18.8-19.6% | | |
| | | Dimming curve Linear* | 51-53 | 20.0-20.8% | | |
| | | No function | 54-56 | 21.2-22.0% | | |
| | | Extra Shutter RGB* | 57-59 | 22.4-23.1% | | |
| | | Extra Shutter RGB only* | 60-62 | 23.5-24.3% | | |
| | | Extra Shutter White only* | 63-65 | 24.7-25.5% | | |
| | | No function | 66-68 | 25.9-26.7% | | |
| | | Fan mode regulated* | 69-71 | 27.1-27.8% | | |
| | | Fan mode high* | 72-74 | 28.2-29.0% | | |
| | | Fan mode medium* | 75-77 | 29.4-30.2% | | |
| | | Fan mode low* | 78-80 | 30.6-31.4% | | |
| | | No function | 81-83 | 31.8-32.5% | | |
| | | Display On* | 84-86 | 32.9-33.7% | | |
| | | Display Off* | 87-89 | 34.1-34.9% | | |
| | | Display Auto* | 90-92 | 35.3-36.1% | | |
| | | Display invert Off* | 93-95 | 36.5-37.3% | | |
| | | Display invert On* | 96-98 | 37.6-38.4% | | |
| | | No DMX = Capture scene* | 99-101 | 38.8-39.6% | | |
| | | No DMX = Stand-alone* | 102-104 | 40.0-40.8% | | |
| | | No DMX = Blackout* | 105-107 | 41.2-42.0% | | |
| | | No DMX = Hold* | 108-110 | 42.4-43.1% | | |
| | | Test pattern On* | 111-113 | 43.5-44.3% | | |
| | | Test pattern Off* | 114-116 | 44.7-45.5% | | |
| | | Rotation Off* | 117-119 | 45.9-46.7% | | |
| | | Rotate 90° * | 120-122 | 47.1-47.8% | | |
| | | Rotate 180° * | 123-125 | 48.2-49.0% | | |
| | | Rotate 270° * | 126-128 | 49.4-50.2% | | |
| | | Pixel mirror Off* | 129-131 | 50.6-51.4% | | |
| | | Pixel mirror On* | 132-134 | 51.8-52.5% | | |
| | | White output limitation Off* | 135-137 | 52.9-53.7% | | |
| | | White output limitation 80%* | 138-140 | 54.1-54.9% | | |
| | | White output limitation 60%* | 141-143 | 55.3-56.1% | | |
| | | White output limitation 40%* | 144-146 | 56.5-57.3% | | |
| | | White output limitation 20%* | 147-149 | 57.6-58.4% | | |
| | | White output limitation 10%* | 150-152 | 55.8-59.6% | | |
| No function | 153-158 | 60.0-62.0% | | | | |
| RGB output limitation Off%* | 159-161 | 62.4-63.1% | | | | |
| RGB output limitation 80%* | 162-164 | 63.5-64.3% | | | | |
| RGB output limitation 60%* | 165-167 | 64.7-65.5% | | | | |
| RGB output limitation 40%* | 168-170 | 65.9-66.7% | | | | |
| RGB output limitation 20%* | 171-173 | 67.1-67.8% | | | | |
| RGB output limitation 10%* | 174-176 | 68.2-69.0% | | | | |
| No function | 177-251 | 69.4-98.4% | | | | |
| Reboot fixture* | 252-255 | 98.8-100% | | | | |

DMX Mode 7: RGBW 25-pixel, 16-bit

202 DMX Channels

| Channel | Command | DMX range | Percent | Default DMX | Fade | |
|-----------------------------|------------------------------|------------------------|---------|-------------|------|------|
| RGBW 25-pixel 16-bit | | | | | | |
| 1 | Pixel 1 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 2 | | Red intensity fine | | | | |
| 3 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 4 | | Green intensity fine | | | | |
| 5 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 6 | | Blue intensity fine | | | | |
| 7 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 8 | | White intensity fine | | | | |
| 9 | Pixel 2 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 10 | | Red intensity fine | | | | |
| 11 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 12 | | Green intensity fine | | | | |
| 13 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 14 | | Blue intensity fine | | | | |
| 15 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 16 | | White intensity fine | | | | |
| 17 | Pixel 3 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 18 | | Red intensity fine | | | | |
| 19 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 20 | | Green intensity fine | | | | |
| 21 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 22 | | Blue intensity fine | | | | |
| 23 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 24 | | White intensity fine | | | | |
| 25 | Pixel 4 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 26 | | Red intensity fine | | | | |
| 27 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 28 | | Green intensity fine | | | | |
| 29 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 30 | | Blue intensity fine | | | | |
| 31 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 32 | | White intensity fine | | | | |
| 33 | Pixel 5 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 34 | | Red intensity fine | | | | |
| 35 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 36 | | Green intensity fine | | | | |
| 37 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 38 | | Blue intensity fine | | | | |
| 39 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 40 | | White intensity fine | | | | |
| 41 | Pixel 6 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 42 | | Red intensity fine | | | | |
| 43 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 44 | | Green intensity fine | | | | |
| 45 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 46 | | Blue intensity fine | | | | |
| 47 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 48 | | White intensity fine | | | | |

| | | | | | | |
|-----|-----------------------------------|------------------------|---------|--------|---|------|
| 49 | Pixel 7 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 50 | | Red intensity fine | | | | |
| 51 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 52 | | Green intensity fine | | | | |
| 53 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 54 | | Blue intensity fine | | | | |
| 55 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 56 | | White intensity fine | | | | |
| 57 | Pixel 8 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 58 | | Red intensity fine | | | | |
| 59 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 60 | | Green intensity fine | | | | |
| 61 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 62 | | Blue intensity fine | | | | |
| 63 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 64 | | White intensity fine | | | | |
| 65 | Pixel 9 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 66 | | Red intensity fine | | | | |
| 67 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 68 | | Green intensity fine | | | | |
| 69 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 70 | | Blue intensity fine | | | | |
| 71 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 72 | | White intensity fine | | | | |
| 73 | Pixel 10 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 74 | | Red intensity fine | | | | |
| 75 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 76 | | Green intensity fine | | | | |
| 77 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 78 | | Blue intensity fine | | | | |
| 79 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 80 | | White intensity fine | | | | |
| 81 | Pixel 11 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 82 | | Red intensity fine | | | | |
| 83 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 84 | | Green intensity fine | | | | |
| 85 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 86 | | Blue intensity fine | | | | |
| 87 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 88 | | White intensity fine | | | | |
| 89 | Pixel 12 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 90 | | Red intensity fine | | | | |
| 91 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 92 | | Green intensity fine | | | | |
| 93 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 94 | | Blue intensity fine | | | | |
| 95 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 96 | | White intensity fine | | | | |
| 97 | Pixel 13 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 98 | | Red intensity fine | | | | |
| 99 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 100 | | Green intensity fine | | | | |
| 101 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 102 | | Blue intensity fine | | | | |
| 103 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 104 | | White intensity fine | | | | |

| | | | | | | |
|-----|-----------------------------------|------------------------|---------|--------|---|------|
| 105 | Pixel 14 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 106 | | Red intensity fine | | | | |
| 107 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 108 | | Green intensity fine | | | | |
| 109 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 110 | | Blue intensity fine | | | | |
| 111 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 112 | | White intensity fine | | | | |
| 113 | Pixel 15 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 114 | | Red intensity fine | | | | |
| 115 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 116 | | Green intensity fine | | | | |
| 117 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 118 | | Blue intensity fine | | | | |
| 119 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 120 | | White intensity fine | | | | |
| 121 | Pixel 16 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 122 | | Red intensity fine | | | | |
| 123 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 124 | | Green intensity fine | | | | |
| 125 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 126 | | Blue intensity fine | | | | |
| 127 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 128 | | White intensity fine | | | | |
| 129 | Pixel 17 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 130 | | Red intensity fine | | | | |
| 131 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 132 | | Green intensity fine | | | | |
| 133 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 134 | | Blue intensity fine | | | | |
| 135 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 136 | | White intensity fine | | | | |
| 137 | Pixel 18 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 138 | | Red intensity fine | | | | |
| 139 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 140 | | Green intensity fine | | | | |
| 141 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 142 | | Blue intensity fine | | | | |
| 143 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 144 | | White intensity fine | | | | |
| 145 | Pixel 19 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 146 | | Red intensity fine | | | | |
| 147 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 148 | | Green intensity fine | | | | |
| 149 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 150 | | Blue intensity fine | | | | |
| 151 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 152 | | White intensity fine | | | | |
| 153 | Pixel 20 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 154 | | Red intensity fine | | | | |
| 155 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 156 | | Green intensity fine | | | | |
| 157 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 158 | | Blue intensity fine | | | | |
| 159 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 160 | | White intensity fine | | | | |

| | | | | | | |
|-----|-----------------------------------|--------------------------------|---------|------------|-----|------|
| 161 | Pixel 21 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 162 | | Red intensity fine | | | | |
| 163 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 164 | | Green intensity fine | | | | |
| 165 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 166 | | Blue intensity fine | | | | |
| 167 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 168 | | White intensity fine | | | | |
| 169 | Pixel 22 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 170 | | Red intensity fine | | | | |
| 171 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 172 | | Green intensity fine | | | | |
| 173 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 174 | | Blue intensity fine | | | | |
| 175 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 176 | | White intensity fine | | | | |
| 177 | Pixel 23 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 178 | | Red intensity fine | | | | |
| 179 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 180 | | Green intensity fine | | | | |
| 181 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 182 | | Blue intensity fine | | | | |
| 183 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 184 | | White intensity fine | | | | |
| 185 | Pixel 24 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 186 | | Red intensity fine | | | | |
| 187 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 188 | | Green intensity fine | | | | |
| 189 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 190 | | Blue intensity fine | | | | |
| 191 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 192 | | White intensity fine | | | | |
| 193 | Pixel 25 RGBW (16-bit) | Red intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 194 | | Red intensity fine | | | | |
| 195 | | Green intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 196 | | Green intensity fine | | | | |
| 197 | | Blue intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 198 | | Blue intensity fine | | | | |
| 199 | | White intensity coarse | 0-65535 | 0-100% | 0 | Fade |
| 200 | | White intensity fine | | | | |
| 201 | Shutter, all pixels | Shutter closed | 0-4 | 0-1.6% | 255 | Snap |
| | | Sync ramp up slow > fast | 5-39 | 2.0-15.3% | | Fade |
| | | Sync ramp down slow > fast | 40-74 | 15.7-29.0% | | Fade |
| | | Sync ramp up-down slow > fast | 75-109 | 29.4-42.7% | | Fade |
| | | Sync double flash slow > fast | 110-144 | 43.1-56.5% | | Fade |
| | | Pixel flare effect slow > fast | 145-179 | 56.9-70.2% | | Fade |
| | | Random strobe slow > fast | 180-214 | 70.6-83.9% | | Fade |
| | | Sync strobe 0.289 > 16.67 Hz | 215-249 | 84.3-97.6% | | Fade |
| | | Hyperspeed | 250-252 | 98.0-98.8% | | Snap |
| | | Open | 253-255 | 99.2-100% | | Snap |

| Control / Settings | | | | | | |
|----------------------------|--------------------|-------------------------------------|---------|------------|---|------|
| 202 | Control / Settings | Idle | 0-11 | 0-4.3% | 0 | Snap |
| | | No function | 12-38 | 4.7-14.9% | | |
| | | Dimmer flash Off* | 39-41 | 15.3-16.1% | | |
| | | Dimmer flash On* | 42-44 | 16.5-17.3% | | |
| | | No function | 45-47 | 17.6-18.4% | | |
| | | Dimming curve Soft* | 48-50 | 18.8-19.6% | | |
| | | Dimming curve Linear* | 51-53 | 20.0-20.8% | | |
| | | No function | 54-56 | 21.2-22.0% | | |
| | | Extra Shutter RGBW* | 57-59 | 22.4-23.1% | | |
| | | Extra Shutter RGB only* | 60-62 | 23.5-24.3% | | |
| | | Extra Shutter White only* | 63-65 | 24.7-25.5% | | |
| | | No function | 66-68 | 25.9-26.7% | | |
| | | Fan mode regulated* | 69-71 | 27.1-27.8% | | |
| | | Fan mode high* | 72-74 | 28.2-29.0% | | |
| | | Fan mode medium* | 75-77 | 29.4-30.2% | | |
| | | Fan mode low* | 78-80 | 30.6-31.4% | | |
| | | No function | 81-83 | 31.8-32.5% | | |
| | | Display On* | 84-86 | 32.9-33.7% | | |
| | | Display Off* | 87-89 | 34.1-34.9% | | |
| | | Display Auto* | 90-92 | 35.3-36.1% | | |
| | | Display invert Off* | 93-95 | 36.5-37.3% | | |
| | | Display invert On* | 96-98 | 37.6-38.4% | | |
| | | No DMX = Capture scene* | 99-101 | 38.8-39.6% | | |
| | | No DMX = Stand-alone* | 102-104 | 40.0-40.8% | | |
| | | No DMX = Blackout* | 105-107 | 41.2-42.0% | | |
| | | No DMX = Hold* | 108-110 | 42.4-43.1% | | |
| | | Test pattern On* | 111-113 | 43.5-44.3% | | |
| | | Test pattern Off* | 114-116 | 44.7-45.5% | | |
| | | Rotation Off* | 117-119 | 45.9-46.7% | | |
| | | Rotate 90° * | 120-122 | 47.1-47.8% | | |
| | | Rotate 180° * | 123-125 | 48.2-49.0% | | |
| | | Rotate 270° * | 126-128 | 49.4-50.2% | | |
| | | Pixel mirror Off* | 129-131 | 50.6-51.4% | | |
| | | Pixel mirror On* | 132-134 | 51.8-52.5% | | |
| | | White output limitation Off* | 135-137 | 52.9-53.7% | | |
| | | White output limitation 80%* | 138-140 | 54.1-54.9% | | |
| | | White output limitation 60%* | 141-143 | 55.3-56.1% | | |
| | | White output limitation 40%* | 144-146 | 56.5-57.3% | | |
| | | White output limitation 20%* | 147-149 | 57.6-58.4% | | |
| | | White output limitation 10%* | 150-152 | 58.8-59.6% | | |
| | | No function | 153-158 | 60.0-62.0% | | |
| | | RGB output limitation Off%* | 159-161 | 62.4-63.1% | | |
| | | RGB output limitation 80%* | 162-164 | 63.5-64.3% | | |
| | | RGB output limitation 60%* | 165-167 | 64.7-65.5% | | |
| RGB output limitation 40%* | 168-170 | 65.9-66.7% | | | | |
| RGB output limitation 20%* | 171-173 | 67.1-67.8% | | | | |
| RGB output limitation 10%* | 174-176 | 68.2-69.0% | | | | |
| No function | 177-251 | 69.4-98.4% | | | | |
| Reboot fixture* | 252-255 | 98.8-100% | | | | |

