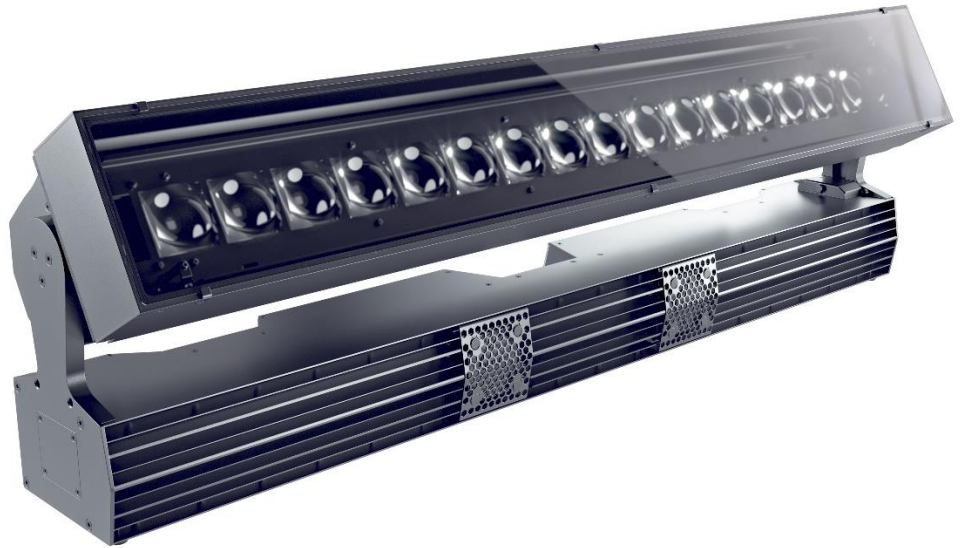


impression[®]
X5 IP Bar 1000

DMX Channel Index



Document revision: 20240207-01

Fixture software v.1.1.3



Document revisions

| Revision number | Notes | Date released |
|------------------------|--------------------------------------------------------------------------------------------------------------|----------------------|
| 20240207-01 | Added tilt disable to DMX Control/Settings channel (correction). Covers firmware v. 1.1.3 | February 2024 |
| 20230928-01 | Minor corrections in document. | October 2023 |
| 20230719-01 | Added DMX Mode 6. Covers firmware v. 1.1.3 | July 2023 |
| 20230522-01 | First public release of the DMX Channel Index for the impression X5 IP Bar 1000. Covers firmware v. 1.1.0 | May 2023 |

GLP® impression X5 IP Bar 1000 DMX Channel Index

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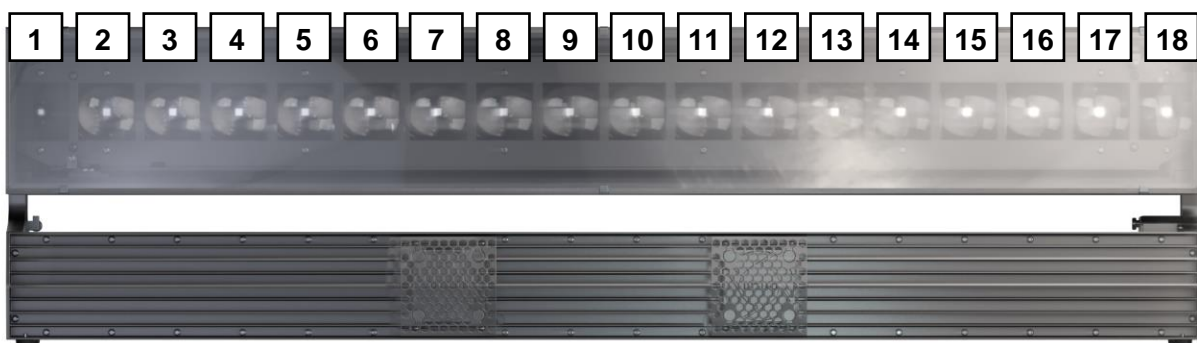
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1. Main Fixture and Subfixture

Some control modes divide the fixture into two layers: a Main Fixture (or Main Module) and a Subfixture (or Sub Module). Professional controllers will handle this setup in a smart multi-fixture profile.

If Subfixture Mode is set to **Normal** (the default setting), the Subfixture channels are subordinate to the Main Fixture. This means that the intensity and shutter control channels of the Main Fixture act as global intensity and global shutter. However, if the Subfixture Mode is set to **Independent**, all the control channels of the Subfixture are completely independent of the Main Fixture, and the Subfixture acts as an independent fixture.

2. Pixel layout



The impression X5 IP Bar 1000 pixels are located as shown above, seen from the front of the fixture with tilt at >50% and **Pixel mirror** → **y-mirror** set to **Off**.

You can mirror the pixels over the y axis (inverting the order of the pixels so that they run from pixel 18 on the left to pixel 1 on the right in the illustration above) if you set **Pixel mirror** to **y-mirror** in the **Fixture Settings** options available in the fixture's control panel, on the Control/Settings DMX channel or via RDM.

3. DMX control modes overview

The following DMX control modes are available in the impression X5 IP Bar 1000. DMX channels from 1 to 7 have the same functionality in all the DMX control modes.

DMX Mode 1: Basic

20 DMX Channels

Basic DMX Mode gives control of the fixture's main functions. Tilt, dimming and the color mixing channels are available with 16-bit control resolution. A shutter channel gives direct change between open and blackout plus a range of intensity effects. Zoom is also available with 8-bit resolution. The Control/Settings channel lets you adjust fixture settings via DMX.

The color control channels offer color mixing using either [1] RGB, [2] RGBL or [3] x;y color gamut coordinates, depending on which of these three methods is active. You can select the color mixing method via DMX on the Control/Settings channel, via RDM or using the fixture's control panel. Additional color options channels include a color wheel with a wide range of color presets, a CTC channel, magenta/green shift adjustment and a tungsten simulation channel. The CQC channel lets you select if the fixture should give priority to color rendering or output intensity in its white output. This channel also offers an easy way of desaturating colors.

| Mode 1 Basic | | |
|---------------------------------|--------------------|----|
| Main module 1:1 | Tilt | 1 |
| | | 2 |
| | Intensity | 3 |
| | | 4 |
| | Shutter | 5 |
| | Zoom | 6 |
| | Control / Settings | 7 |
| | [1] RGB – Red | 8 |
| | [2] RGBL – Red | 9 |
| | [3] x;y – x | |
| | [1] RGB – Green | 10 |
| | [2] RGBL – Green | 11 |
| | [3] x;y – y | |
| | [1] RGB – Blue | 12 |
| | [2] RGBL – Blue | 13 |
| | [3] x;y – not used | |
| | [1] RGB – not used | 14 |
| | [2] RGBL – Lime | 15 |
| | [3] x;y – not used | |
| | Color wheel | 16 |
| CTC (Color temperature control) | 17 | |
| CQC (Color quality control) | 18 | |
| M/G shift | 19 | |
| Tungsten simulation | 20 | |

DMX Mode 2: Normal (default)

33 DMX channels

Normal DMX Mode is split into a **Main Module** and a **Sub Module**.

The **Main Module** gives control of the main functions, as in **Basic DMX Mode**. Tilt, dimming and the color mixing channels have 16-bit control resolution. A shutter channel gives direct change between open and blackout plus a range of intensity effects. Zoom is also available with 8-bit resolution. The Control/Settings channel lets you adjust fixture settings via DMX.

The color control channels in the Main Module offer color mixing using either [1] RGB, [2] RGBL or [3] x;y color gamut coordinates, depending on which of these three methods is active. You can select the color mixing method via DMX on the Control/Settings channel, via RDM or using the fixture's control panel. Additional color options channels include a color wheel with a wide range of color presets, a CTC channel, magenta/green shift adjustment and a tungsten simulation channel. The CQC channel lets you select if the fixture should give priority to color rendering or output intensity in its white output. This channel also offers an easy way of desaturating colors.

The Mix Priority channel defines how the output of the Main and Sub Module is merged or overlaid.

The **Sub Module** forms a second layer. The Sub Module channels provide intensity and shutter control, a powerful static and dynamic pattern effects engine with step crossfading and pattern transition options, plus RGB color control of all 18 pixels as one group.

| Mode 2 Normal | | | |
|-----------------------------|-----|---------------------------------|----|
| Main module | 1.1 | Tilt | 1 |
| | | | 2 |
| | | Intensity | 3 |
| | | | 4 |
| | | Shutter | 5 |
| | | Zoom | 6 |
| | | Control / Settings | 7 |
| | | [1] RGB – Red | 8 |
| | | [2] RGBL – Red | 9 |
| | | [3] x;y – x | 9 |
| | | [1] RGB – Green | 10 |
| | | [2] RGBL – Green | 11 |
| | | [3] x;y – y | 11 |
| | | [1] RGB – Blue | 12 |
| | | [2] RGBL – Blue | 13 |
| | | [3] x;y – not used | 13 |
| | | [1] RGB – not used | 14 |
| | | [2] RGBL – Lime | 15 |
| | | [3] x;y – not used | 15 |
| | | Color wheel | 16 |
| | | CTC (Color temperature control) | 17 |
| CQC (Color quality control) | 18 | | |
| M/G shift | 19 | | |
| Tungsten simulation | 20 | | |
| Mix priority | 21 | | |
| Sub module (Layer 2) | 1.2 | Intensity | 22 |
| | | | 23 |
| | | Shutter | 24 |
| | | Pattern selection | 25 |
| | | Pattern step / speed | 26 |
| | | Pattern step crossfading | 27 |
| | | Pattern transition | 28 |
| | | Fixture quantity | 29 |
| | | Fixture number | 30 |
| | | Red | 31 |
| | | Green | 32 |
| | | Blue | 33 |

DMX Mode 3: Segments

48 DMX channels

Segment DMX Mode is split into a Main Module and a Sub Module.

The **Main Module** gives control of the main functions, as in **Basic** DMX Mode. Tilt, dimming and the color mixing channels have 16-bit control resolution. A shutter channel gives direct change between open and blackout plus a range of intensity effects. Zoom is also available with 8-bit resolution. The Control/Settings channel lets you adjust fixture settings via DMX.

The color control channels in the Main Module offer color mixing using either [1] RGB, [2] RGBL or [3] x;y color gamut coordinates, depending on which of these three methods is active. You can select the color mixing method via DMX on the Control/Settings channel, via RDM or using the fixture's control panel. Additional color options channels include a color wheel with a wide range of color presets, a CTC channel, magenta/green shift adjustment and a tungsten simulation channel. The CQC channel lets you select if the fixture should give priority to color rendering or output intensity in its white output. This channel also offers an easy way of desaturating colors.

The Mix Priority channel defines how the output of the Main and Sub Module is merged or overlaid.

The **Sub Module** forms a second layer. The Sub Module channels provide intensity and shutter control, a powerful static and dynamic pattern effects engine with step crossfading and pattern transition options, plus RGB color control of six pixel groups as segments.

| | | Mode 3 Segment | |
|-----------------------------|---------------------------------|---------------------------------|-------------------------------|
| Main module | 1.1 | Tilt | 1 |
| | | | 2 |
| | | Intensity | 3 |
| | | | 4 |
| | | Shutter | 5 |
| | | Zoom | 6 |
| | | Control / Settings | 7 |
| | | [1] RGB – Red | 8 |
| | | [2] RGBL – Red | 9 |
| | | [3] x;y – x | |
| | | [1] RGB – Green | 10 |
| | | [2] RGBL – Green | 11 |
| | | [3] x;y – y | |
| | | [1] RGB – Blue | 12 |
| | | [2] RGBL – Blue | 13 |
| | | [3] x;y – not used | |
| | | [1] RGB – not used | 14 |
| | | [2] RGBL – Lime | 15 |
| | | [3] x;y – not used | |
| | | Color wheel | 16 |
| | | CTC (Color temperature control) | 17 |
| CQC (Color quality control) | 18 | | |
| M/G shift | 19 | | |
| Tungsten simulation | 20 | | |
| Mix priority | 21 | | |
| Sub module (Layer 2) | 1.2 | Intensity | 22 |
| | | | 23 |
| | | Shutter | 24 |
| | | Pattern selection | 25 |
| | | Pattern step / speed | 26 |
| | | Pattern step crossfading | 27 |
| | | Pattern transition | 28 |
| | | Fixture quantity | 29 |
| | | Fixture number | 30 |
| | | 1.3 | Red, segment 1 (pixels 01-03) |
| | Green, segment 1 (pixels 01-03) | | 32 |
| | Blue, segment 1 (pixels 01-03) | | 33 |
| | 1.4 | Red, segment 2 (pixels 04-06) | 34 |
| | | Green, segment 2 (pixels 04-06) | 35 |
| | | Blue, segment 2 (pixels 04-06) | 36 |
| | 1.5 | Red, segment 3 (pixels 07-09) | 37 |
| | | Green, segment 3 (pixels 07-09) | 38 |
| | | Blue, segment 3 (pixels 07-09) | 39 |
| | 1.6 | Red, segment 4 (pixels 10-12) | 40 |
| | | Green, segment 4 (pixels 10-12) | 41 |
| | | Blue, segment 4 (pixels 10-12) | 42 |
| | 1.7 | Red, segment 5 (pixels 13-15) | 43 |
| | | Green, segment 5 (pixels 13-15) | 44 |
| | | Blue, segment 5 (pixels 13-15) | 45 |
| 1.8 | Red, segment 6 (pixels 16-18) | 46 | |
| | Green, segment 6 (pixels 16-18) | 47 | |
| | Blue, segment 6 (pixels 16-18) | 48 | |

DMX Mode 4: Multipix Advanced

84 DMX Channels

Multipix Advanced DMX Mode is split into a Main Module and a Sub Module.

The **Main Module** gives control of the main functions, as in **Basic** DMX Mode. Tilt, dimming and the color mixing channels have 16-bit control resolution. A shutter channel gives direct change between open and blackout plus a range of intensity effects. Zoom is also available with 8-bit resolution. The Control/Settings channel lets you adjust fixture settings via DMX.

The color control channels in the Main Module offer color mixing using either [1] RGB, [2] RGBL or [3] x;y color gamut coordinates, depending on which of these three methods is active. You can select the color mixing method via DMX on the Control/Settings channel, via RDM or using the fixture's control panel. Additional color options channels include a color wheel with a wide range of color presets, a CTC channel, magenta/green shift adjustment and a tungsten simulation channel. The CQC channel lets you select if the fixture should give priority to color rendering or output intensity in its white output. This channel also offers an easy way of desaturating colors.

The Mix Priority channel defines how the output of the Main and Sub Module is merged or overlaid.

The **Sub Module** forms a second layer. The Sub Module channels provide intensity and shutter control, a powerful static and dynamic pattern effects engine with step crossfading and pattern transition options, plus RGB color control of each individual pixel.

| Mode 4 Multipix Advanced | | | | |
|-----------------------------|-----------------|---------------------------------|-------------------|----|
| Main module | 1.1 | Tilt | 1 | |
| | | | 2 | |
| | | Intensity | 3 | |
| | | | 4 | |
| | | Shutter | 5 | |
| | | Zoom | 6 | |
| | | Control / Settings | 7 | |
| | | [1] RGB – Red | 8 | |
| | | [2] RGBL – Red | 9 | |
| | | [3] x;y – x | | |
| | | [1] RGB – Green | 10 | |
| | | [2] RGBL – Green | 11 | |
| | | [3] x;y – y | | |
| | | [1] RGB – Blue | 12 | |
| | | [2] RGBL – Blue | 13 | |
| | | [3] x;y – not used | | |
| | | [1] RGB – not used | 14 | |
| | | [2] RGBL – Lime | 15 | |
| | | [3] x;y – not used | | |
| | | Color wheel | 16 | |
| | | CTC (Color temperature control) | 17 | |
| CQC (Color quality control) | 18 | | | |
| M/G shift | 19 | | | |
| Tungsten simulation | 20 | | | |
| Mix priority | 21 | | | |
| Sub module (Layer 2) | 1.2 | Intensity | 22 | |
| | | | 23 | |
| | | Shutter | 24 | |
| | | Pattern selection | 25 | |
| | | Pattern step / speed | 26 | |
| | | Pattern step crossfading | 27 | |
| | | Pattern transition | 28 | |
| | | Fixture quantity | 29 | |
| | | Fixture number | 30 | |
| | | 1.3 | Red, pixel 01 | 31 |
| | | | Green, pixel 01 | 32 |
| | | | Blue, pixel 01 | 33 |
| | | 1.4 ... 1.19 | RGB, pixels 02-17 | 34 |
| | ... | | | |
| 1.20 | | 81 | | |
| | Red, pixel 18 | 82 | | |
| | Green, pixel 18 | 83 | | |
| | Blue, pixel 18 | 84 | | |

DMX Mode 5: Multipix Compressed RGB

63 DMX Channels

MultiPix Compressed RGB DMX Mode gives control of the main functions, as in **Basic** DMX Mode, plus RGB color control of each individual pixel. Tilt and dimming have 16-bit control resolution. A shutter channel gives direct change between open and blackout plus a range of intensity effects. Zoom is also available with 8-bit resolution. The Control/Settings channel lets you adjust fixture settings via DMX.

The CTC Channel lets you temporarily change from the fixed white point to any other color temperature. The CQC channel lets you select if the fixture should give priority to color rendering or output intensity in its white output. This channel also offers an easy way of desaturating colors.

RGB color mixing is carried out on the individual pixel control channels.

Mode 5 Multipix Compressed RGB

| | | | |
|-------------|-----|---------------------------------|---|
| Main module | 1.1 | Tilt | 1 |
| | | | 2 |
| | | Intensity | 3 |
| | | | 4 |
| | | Shutter | 5 |
| | | Zoom | 6 |
| | | Control / Settings | 7 |
| | | CTC (Color temperature control) | 8 |
| | | CQC (Color quality control) | 9 |

| | | | | |
|----------------------|----------------|-------------------|-----------------|-----------|
| Sub module (Layer 2) | 1.2 | Red, pixel 01 | 10 | |
| | | Green, pixel 01 | 11 | |
| | | Blue, pixel 01 | 12 | |
| | 1.3 ... 1.18 | RGB, pixels 02-17 | | 13 ... 60 |
| | | 1.19 | Red, pixel 18 | 61 |
| | | | Green, pixel 18 | 62 |
| | Blue, pixel 18 | | 63 | |

DMX Mode 6: Multipix Compressed RGBL

81 DMX Channels

MultiPix Compressed RGBL DMX Mode gives control of the main functions, as in **Basic** DMX Mode, plus RGBL color control of each individual pixel with Lime added automatically.

Tilt and dimming have 16-bit control resolution. A shutter channel gives direct change between open and blackout plus a range of intensity effects. Zoom is also available with 8-bit resolution. The Control/Settings channel lets you adjust fixture settings via DMX.

The CTC Channel lets you temporarily change from the fixed white point to any other color temperature. The CQC channel lets you select if the fixture should give priority to color rendering or output intensity in its white output. This channel also offers an easy way of desaturating colors.

RGBL color mixing is carried out on the individual pixel control channels.

Mode 6 Multipix Compressed RGBL

| | | | |
|-------------|-----|---------------------------------|---|
| Main module | 1.1 | Tilt | 1 |
| | | | 2 |
| | | Intensity | 3 |
| | | | 4 |
| | | Shutter | 5 |
| | | Zoom | 6 |
| | | Control / Settings | 7 |
| | | CTC (Color temperature control) | 8 |
| | | CQC (Color quality control) | 9 |

| | | | | |
|----------------------|--------------|--------------------|----|-----|
| Sub module (Layer 2) | 1.2 | Red, pixel 01 | 10 | |
| | | Green, pixel 01 | 11 | |
| | | Blue, pixel 01 | 12 | |
| | | Lime, pixel 01 | 13 | |
| | 1.3 ... 1.18 | RGBL, pixels 02-17 | | 14 |
| | | | | ... |
| | | | | 77 |
| | | | | |
| | 1.19 | Red, pixel 18 | | 78 |
| | | Green, pixel 18 | | 79 |
| | | Blue, pixel 18 | | 80 |
| | | Lime, pixel 18 | | 81 |

4. DMX control channel layout

In the following DMX channel layout tables:

- Default settings are indicated with **bold type**.
- Where commands are marked **(3 sec.)**, you must send that DMX value continuously for 3 seconds (or other duration if indicated in the table) to apply the command.
- Percentage equivalents are rounded up or down to the nearest 0.1%

DMX Mode 1: Basic

20 DMX Channels

Basic control

| Channel | Command | DMX range | | Percent | | Default DMX | Fade | |
|---------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------|---------|------|-------------|-------|------|
| 1 | Tilt coarse | Tilt back → front | 0 | 65535 | 0 | 100 | 32768 | Fade |
| 2 | Tilt fine | | | | | | | |
| 3 | Intensity coarse | Intensity 0 → 100% | 0 | 65535 | 0 | 100 | 32768 | Fade |
| 4 | Intensity fine | | | | | | | |
| 5 | Shutter | Closed | 0 | 4 | 0 | 1.6 | 255 | Snap |
| | | Single flash each time value is changed within range 005 → 009 | 5 | 9 | 2.0 | 3.5 | | Snap |
| | | Pulse slow → fast | 10 | 39 | 3.9 | 15.3 | | Fade |
| | | Opening pulse slow → fast | 40 | 69 | 15.7 | 27.1 | | Fade |
| | | Closing pulse slow → fast | 70 | 99 | 27.5 | 38.8 | | Fade |
| | | Double flash slow → fast | 100 | 129 | 39.2 | 50.6 | | Fade |
| | | Random pixel strobe slow → fast | 130 | 159 | 51.0 | 62.4 | | Fade |
| | | Random all strobe slow → fast | 160 | 199 | 62.7 | 78.0 | | Fade |
| | | Strobe sync all pixels slow → fast | 200 | 250 | 78.4 | 98.0 | | Fade |
| Open | 251 | 255 | 98.4 | 100 | Snap | | | |
| 6 | Zoom | Zoom narrow → wide | 0 | 255 | 0 | 100 | 0 | Fade |
| 7 | Control/Settings | See 'Control / Settings channel' on page 45 | | | | | | |
| 8 | RGB / RGBL / x, y color control (see also 'Key to conversion of x and y coordinates' on page 47) | [1] RGB - Red coarse [2] RGBL - Red coarse [3] x;y - x coarse | 0 | 65535 | 0 | 100 | 65535 | Fade |
| 9 | | [1] RGB - Red fine [2] RGBL - Red fine [3] x;y - x fine | | | | | | |
| 10 | | [1] RGB - Green coarse [2] RGBL - Green coarse [3] x;y - y coarse | 0 | 65535 | 0 | 100 | 65535 | Fade |
| 11 | | [1] RGB - Green fine [2] RGBL - Green fine [3] x;y - y fine | | | | | | |
| 12 | | [1] RGB - Blue coarse [2] RGBL - Blue coarse [3] x;y - not used | 0 | 65535 | 0 | 100 | 65535 | Fade |
| 13 | | [1] RGB - Blue fine [2] RGBL - Blue fine [3] x;y - not used | | | | | | |
| 14 | | [1] RGB - not used [2] RGBL - Lime coarse [3] x;y - not used | 0 | 65535 | 0 | 100 | 65535 | Fade |
| 15 | | [1] RGB - not used [2] RGBL - Lime fine [3] x;y - not used | | | | | | |

Basic control (continued)

| | | | | | | | | |
|----------------------------------|--------------------------------------------------------------------------|-----------------------------------|------|------|------|------|---|------|
| 16 | Color wheel (see also 'Color wheel specifications' on page 48) | Open | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Filter 004 (Medium Bastard Amber) | 10 | 12 | 3.9 | 4.7 | | |
| | | Filter 019 (Fire) | 13 | 15 | 5.1 | 5.9 | | |
| | | Filter 025 (Sunset Red) | 16 | 18 | 6.3 | 7.1 | | |
| | | Filter 026 (Bright Red) | 19 | 21 | 7.5 | 8.2 | | |
| | | Filter 036 (Medium Pink) | 22 | 24 | 8.6 | 9.4 | | |
| | | Filter 049 (Medium Purple) | 25 | 27 | 9.8 | 10.6 | | |
| | | Filter 058 (Lavender) | 28 | 30 | 11.0 | 11.8 | | |
| | | Filter 068 (Sky Blue) | 31 | 33 | 12.2 | 12.9 | | |
| | | Filter 088 (Lime Green) | 34 | 36 | 13.3 | 14.1 | | |
| | | Filter 089 (Moss Green) | 37 | 39 | 14.5 | 15.3 | | |
| | | Filter 090 (Dark Yellow Green) | 40 | 42 | 15.7 | 16.5 | | |
| | | Filter 102 (Light Amber) | 43 | 45 | 16.9 | 17.6 | | |
| | | Filter 103 (Straw) | 46 | 48 | 18.0 | 18.8 | | |
| | | Filter 106 (Primary Red) | 49 | 51 | 19.2 | 20.0 | | |
| | | Filter 111 (Dark Pink) | 52 | 54 | 20.4 | 21.2 | | |
| | | Filter 115 (Peacock Blue) | 55 | 57 | 21.6 | 22.4 | | |
| | | Filter 117 (Steel Blue) | 58 | 60 | 22.7 | 23.5 | | |
| | | Filter 118 (Light Blue) | 61 | 63 | 23.9 | 24.7 | | |
| | | Filter 121 (Filter Green) | 64 | 66 | 25.1 | 25.9 | | |
| | | Filter 122 (Fern Green) | 67 | 69 | 26.3 | 27.1 | | |
| | | Filter 124 (Dark Green) | 70 | 72 | 27.5 | 28.2 | | |
| | | Filter 126 (Mauve) | 73 | 75 | 28.6 | 29.4 | | |
| | | Filter 128 (Bright Pink) | 76 | 78 | 29.8 | 30.6 | | |
| | | Filter 131 (Marine Blue) | 79 | 81 | 31.0 | 31.8 | | |
| | | Filter 132 (Medium Blue) | 82 | 84 | 32.2 | 32.9 | | |
| | | Filter 134 (Golden Amber) | 85 | 87 | 33.3 | 34.1 | | |
| | | Filter 135 (Deep Golden Amber) | 88 | 90 | 34.5 | 35.3 | | |
| | | Filter 136 (Pale Lavender) | 91 | 93 | 35.7 | 36.5 | | |
| | | Filter 137 (Special Lavender) | 94 | 96 | 36.9 | 37.6 | | |
| | | Filter 138 (Pale Green) | 97 | 99 | 38.0 | 38.8 | | |
| | | Filter 140 (Summer Blue) | 100 | 102 | 39.2 | 40.0 | | |
| | | Filter 141 (Bright Blue) | 103 | 105 | 40.4 | 41.2 | | |
| | | Filter 143 (Pale Navy Blue) | 106 | 108 | 41.6 | 42.4 | | |
| | | Filter 147 (Apricot) | 109 | 111 | 42.7 | 43.5 | | |
| | | Filter 148 (Bright Rose) | 112 | 114 | 43.9 | 44.7 | | |
| | | Filter 152 (Pale Gold) | 115 | 117 | 45.1 | 45.9 | | |
| | | Filter 154 (Pale Rose) | 118 | 120 | 46.3 | 47.1 | | |
| | | Filter 157 (Pink) | 121 | 123 | 47.5 | 48.2 | | |
| | | Filter 162 (Bastard Amber) | 124 | 126 | 48.6 | 49.4 | | |
| | | Filter 164 (Flame Red) | 127 | 129 | 49.8 | 50.6 | | |
| | | Filter 165 (Daylight Blue) | 130 | 132 | 51.0 | 51.8 | | |
| | | Filter 169 (Lilac Tint) | 133 | 135 | 52.2 | 52.9 | | |
| | | Filter 170 (Deep Lavender) | 136 | 138 | 53.3 | 54.1 | | |
| | | Filter 172 (Lagoon Blue) | 139 | 141 | 54.5 | 55.3 | | |
| | | Filter 180 (Dark Lavender) | 142 | 144 | 55.7 | 56.5 | | |
| | | Filter 182 (Light Red) | 145 | 147 | 56.9 | 57.6 | | |
| Filter 194 (Surprise Pink) | 148 | 150 | 58.0 | 58.8 | | | | |
| Filter 197 (Alice Blue) | 151 | 153 | 59.2 | 60.0 | | | | |
| Filter 201 (Full C.T. Blue) | 154 | 156 | 60.4 | 61.2 | | | | |
| Filter 202 (Half C.T. Blue) | 157 | 159 | 61.6 | 62.4 | | | | |
| Filter 203 (Quarter C.T. Blue) | 160 | 162 | 62.7 | 63.5 | | | | |
| Filter 204 (Full C.T. Orange) | 163 | 165 | 63.9 | 64.7 | | | | |
| Filter 206 (Quarter C.T. Orange) | 166 | 168 | 65.1 | 65.9 | | | | |
| Filter 219 (Fluorescent Green) | 169 | 171 | 66.3 | 67.1 | | | | |
| Filter 247 (Filter Minus Green) | 172 | 174 | 67.5 | 68.2 | | | | |

Basic control (continued)

| | | | | | | | | |
|-----------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------|------|-----|------|------|---|------|
| 16 | Color wheel ctd. (continued) | Filter 248 (Half Minus Green) | 175 | 177 | 68.6 | 69.4 | 0 | Snap |
| | | Filter 281 (Three Quarter C.T. Blue) | 178 | 180 | 69.8 | 70.6 | | |
| | | Filter 285 (Three Qtr. C.T. Orange) | 181 | 183 | 71.0 | 71.8 | | |
| | | Filter 352 (Glacier Blue) | 184 | 186 | 72.2 | 72.9 | | |
| | | Filter 353 (Lighter Blue) | 187 | 189 | 73.3 | 74.1 | | |
| | | Filter 507 (Madge) | 190 | 192 | 74.5 | 75.3 | | |
| | | Filter 778 (Millennium Gold) | 193 | 195 | 75.7 | 76.5 | | |
| | | Filter 793 (Vanity Fair) | 196 | 198 | 76.9 | 77.6 | | |
| | | Filter 798 (Chrysalis Pink) | 199 | 201 | 78.0 | 78.8 | | |
| | | HSI scroll, stop at first color | 202 | 204 | 79.2 | 80.0 | | |
| | | HSI scroll slow → fast | 205 | 252 | 80.4 | 98.8 | | |
| HSI scroll, stop at current color | 253 | 255 | 99.2 | 100 | Fade | | | |
| 17 | Color Temperature Control | Open | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Fade through color temperatures of 10 000 K to 2 500 K stepless (interpolation) | 10 | 255 | 4.3 | 100 | | Fade |
| 18 | CQC (Color Quality Control) / Saturation | HQ (high quality), saturated color | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Crossfade, saturated to unsaturated | 10 | 117 | 3.9 | 45.9 | | Fade |
| | | HQ (high quality), unsaturated color | 118 | 127 | 46.3 | 49.8 | | Snap |
| | | HO (high output), unsaturated color | 128 | 137 | 50.2 | 53.7 | | |
| | | Crossfade, unsaturated to saturated | 138 | 245 | 54.1 | 96.1 | | Fade |
| | | HO (high output), saturated color | 246 | 255 | 96.5 | 100 | | Snap |
| 19 | M/G shift | Off (no correction) | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Full plus magenta +100% | 10 | 10 | 3.9 | 3.9 | | Fade |
| | | Plus magenta +99% → +1% | 11 | 124 | 4.3 | 48.6 | | |
| | | Neutral / no correction | 125 | 140 | 49.0 | 54.9 | | Snap |
| | | Plus green +1% → +99% | 141 | 254 | 55.3 | 99.6 | | Fade |
| | | Full plus green +100% | 255 | 255 | 100 | 100 | | Snap |
| 20 | Tungsten effect | Off | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Tungsten ACL 250W/28V | 10 | 19 | 3.9 | 7.5 | | |
| | | Tungsten Blinder 650W/120V | 20 | 29 | 7.8 | 11.4 | | |
| | | Tungsten 750W/80V | 30 | 39 | 11.8 | 15.3 | | |
| | | Tungsten 1000W/240V | 40 | 49 | 15.7 | 19.2 | | |
| | | Tungsten 1200W/240V | 50 | 59 | 19.6 | 23.1 | | |
| | | Tungsten 2000W/230V | 60 | 69 | 23.5 | 27.1 | | |
| | | Tungsten 2500W/230V | 70 | 79 | 27.5 | 31.0 | | |
| | | Tungsten 5000W/230V | 80 | 89 | 31.4 | 34.9 | | |
| | | No function (off) | 90 | 120 | 35.3 | 47.1 | | |
| | | Off | 120 | 139 | 47.1 | 54.5 | | |
| | | FX Tungsten ACL 250W/28V | 140 | 149 | 54.9 | 58.4 | | |
| | | FX Tungsten Blinder 650W/120V | 150 | 159 | 58.8 | 62.4 | | |
| | | FX Tungsten 750W/80V | 160 | 169 | 62.7 | 66.3 | | |
| | | FX Tungsten 1000W/240V | 170 | 179 | 66.7 | 70.2 | | |
| | | FX Tungsten 1200W/240V | 180 | 189 | 70.6 | 74.1 | | |
| | | FX Tungsten 2000W/230V | 190 | 199 | 74.5 | 78.0 | | |
| | | FX Tungsten 2500W/230V | 200 | 209 | 78.4 | 82.0 | | |
| | | FX Tungsten 5000W/230V | 210 | 219 | 82.4 | 85.9 | | |
| | | No function (off) | 220 | 255 | 86.3 | 100 | | |

DMX Mode 2: Normal (default DMX mode)

33 DMX Channels

| Channel | Command | DMX range | Percent | Default DMX | Fade | | | | | | | | | | |
|-----------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------|-------------|------|------|-------|------|----|----|----|----|----|---|------|
| Main Module: basic control | | | | | | | | | | | | | | | |
| 1 | Tilt coarse | Tilt back → front | 0 | 65535 | 0 | 100 | 32768 | Fade | | | | | | | |
| 2 | Tilt fine | | | | | | | | | | | | | | |
| 3 | Intensity coarse | Intensity 0 → 100% | 0 | 65535 | 0 | 100 | 32768 | Fade | | | | | | | |
| 4 | Intensity fine | | | | | | | | | | | | | | |
| 5 | Shutter | Closed | 0 | 4 | 0 | 1.6 | 255 | Snap | | | | | | | |
| | | Single flash each time value is changed within range 005 → 009 | 5 | 9 | 2.0 | 3.5 | | Snap | | | | | | | |
| | | Pulse slow → fast | 10 | 39 | 3.9 | 15.3 | | Fade | | | | | | | |
| | | Opening pulse slow → fast | 40 | 69 | 15.7 | 27.1 | | Fade | | | | | | | |
| | | Closing pulse slow → fast | 70 | 99 | 27.5 | 38.8 | | Fade | | | | | | | |
| | | Double flash slow → fast | 100 | 129 | 39.2 | 50.6 | | Fade | | | | | | | |
| | | Random pixel strobe slow → fast | 130 | 159 | 51.0 | 62.4 | | Fade | | | | | | | |
| | | Random all strobe slow → fast | 160 | 199 | 62.7 | 78.0 | | Fade | | | | | | | |
| | | Strobe sync all pixels slow → fast | 200 | 250 | 78.4 | 98.0 | | Fade | | | | | | | |
| Open | 251 | 255 | 98.4 | 100 | Snap | | | | | | | | | | |
| 6 | Zoom | Zoom narrow → wide | 0 | 255 | 0 | 100 | 0 | Fade | | | | | | | |
| 7 | Control/Settings | See 'Control / Settings channel' on page 45 | | | | | | | | | | | | | |
| 8 | RGB / RGBL / x,y color control (see also 'Key to conversion of x and y coordinates' on page 47) | [1] RGB - Red coarse [2] RGBL - Red coarse [3] x;y - x coarse | 0 | 65535 | 0 | 100 | 65535 | Fade | | | | | | | |
| 9 | | [1] RGB - Red fine [2] RGBL - Red fine [3] x;y - x fine | | | | | | | | | | | | | |
| 10 | | [1] RGB - Green coarse [2] RGBL - Green coarse [3] x;y - y coarse | 0 | 65535 | 0 | 100 | 65535 | Fade | | | | | | | |
| 11 | | [1] RGB - Green fine [2] RGBL - Green fine [3] x;y - y fine | | | | | | | | | | | | | |
| 12 | | [1] RGB - Blue coarse [2] RGBL - Blue coarse [3] x;y - not used | | | | | | | | | | | | | |
| 13 | | [1] RGB - Blue fine [2] RGBL - Blue fine [3] x;y - not used | 0 | 65535 | 0 | 100 | 65535 | Fade | | | | | | | |
| 14 | | [1] RGB - not used [2] RGBL - Lime coarse [3] x;y - not used | | | | | | | | | | | | | |
| 15 | | [1] RGB - not used [2] RGBL - Lime fine [3] x;y - not used | 0 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | 0 | Snap |
| 16 | | Open | | | | | | | | | | | | | |
| | | Filter 004 (Medium Bastard Amber) | | | | | | | | | | | | | |
| | | Filter 019 (Fire) | | | | | | | | | | | | | |
| | | Filter 025 (Sunset Red) | | | | | | | | | | | | | |
| | | Filter 026 (Bright Red) | | | | | | | | | | | | | |
| | | Filter 036 (Medium Pink) | | | | | | | | | | | | | |
| | | Filter 049 (Medium Purple) | | | | | | | | | | | | | |
| | Filter 058 (Lavender) | | | | | | | | | | | | | | |
| | Filter 068 (Sky Blue) | | | | | | | | | | | | | | |
| | Filter 088 (Lime Green) | | | | | | | | | | | | | | |

Main Module: basic control (continued)

| | | | | | | | | |
|--------------------------------------|----------------------------|----------------------------------|------|------|------|------|---|------|
| 16 ctd. | Color wheel (continued) | Filter 089 (Moss Green) | 37 | 39 | 14.5 | 15.3 | 0 | Snap |
| | | Filter 090 (Dark Yellow Green) | 40 | 42 | 15.7 | 16.5 | | |
| | | Filter 102 (Light Amber) | 43 | 45 | 16.9 | 17.6 | | |
| | | Filter 103 (Straw) | 46 | 48 | 18.0 | 18.8 | | |
| | | Filter 106 (Primary Red) | 49 | 51 | 19.2 | 20.0 | | |
| | | Filter 111 (Dark Pink) | 52 | 54 | 20.4 | 21.2 | | |
| | | Filter 115 (Peacock Blue) | 55 | 57 | 21.6 | 22.4 | | |
| | | Filter 117 (Steel Blue) | 58 | 60 | 22.7 | 23.5 | | |
| | | Filter 118 (Light Blue) | 61 | 63 | 23.9 | 24.7 | | |
| | | Filter 121 (Filter Green) | 64 | 66 | 25.1 | 25.9 | | |
| | | Filter 122 (Fern Green) | 67 | 69 | 26.3 | 27.1 | | |
| | | Filter 124 (Dark Green) | 70 | 72 | 27.5 | 28.2 | | |
| | | Filter 126 (Mauve) | 73 | 75 | 28.6 | 29.4 | | |
| | | Filter 128 (Bright Pink) | 76 | 78 | 29.8 | 30.6 | | |
| | | Filter 131 (Marine Blue) | 79 | 81 | 31.0 | 31.8 | | |
| | | Filter 132 (Medium Blue) | 82 | 84 | 32.2 | 32.9 | | |
| | | Filter 134 (Golden Amber) | 85 | 87 | 33.3 | 34.1 | | |
| | | Filter 135 (Deep Golden Amber) | 88 | 90 | 34.5 | 35.3 | | |
| | | Filter 136 (Pale Lavender) | 91 | 93 | 35.7 | 36.5 | | |
| | | Filter 137 (Special Lavender) | 94 | 96 | 36.9 | 37.6 | | |
| | | Filter 138 (Pale Green) | 97 | 99 | 38.0 | 38.8 | | |
| | | Filter 140 (Summer Blue) | 100 | 102 | 39.2 | 40.0 | | |
| | | Filter 141 (Bright Blue) | 103 | 105 | 40.4 | 41.2 | | |
| | | Filter 143 (Pale Navy Blue) | 106 | 108 | 41.6 | 42.4 | | |
| | | Filter 147 (Apricot) | 109 | 111 | 42.7 | 43.5 | | |
| | | Filter 148 (Bright Rose) | 112 | 114 | 43.9 | 44.7 | | |
| | | Filter 152 (Pale Gold) | 115 | 117 | 45.1 | 45.9 | | |
| | | Filter 154 (Pale Rose) | 118 | 120 | 46.3 | 47.1 | | |
| | | Filter 157 (Pink) | 121 | 123 | 47.5 | 48.2 | | |
| | | Filter 162 (Bastard Amber) | 124 | 126 | 48.6 | 49.4 | | |
| | | Filter 164 (Flame Red) | 127 | 129 | 49.8 | 50.6 | | |
| | | Filter 165 (Daylight Blue) | 130 | 132 | 51.0 | 51.8 | | |
| | | Filter 169 (Lilac Tint) | 133 | 135 | 52.2 | 52.9 | | |
| | | Filter 170 (Deep Lavender) | 136 | 138 | 53.3 | 54.1 | | |
| | | Filter 172 (Lagoon Blue) | 139 | 141 | 54.5 | 55.3 | | |
| | | Filter 180 (Dark Lavender) | 142 | 144 | 55.7 | 56.5 | | |
| | | Filter 182 (Light Red) | 145 | 147 | 56.9 | 57.6 | | |
| | | Filter 194 (Surprise Pink) | 148 | 150 | 58.0 | 58.8 | | |
| | | Filter 197 (Alice Blue) | 151 | 153 | 59.2 | 60.0 | | |
| | | Filter 201 (Full C.T. Blue) | 154 | 156 | 60.4 | 61.2 | | |
| | | Filter 202 (Half C.T. Blue) | 157 | 159 | 61.6 | 62.4 | | |
| | | Filter 203 (Quarter C.T. Blue) | 160 | 162 | 62.7 | 63.5 | | |
| | | Filter 204 (Full C.T. Orange) | 163 | 165 | 63.9 | 64.7 | | |
| | | Filter 206 (Quarter C.T. Orange) | 166 | 168 | 65.1 | 65.9 | | |
| | | Filter 219 (Fluorescent Green) | 169 | 171 | 66.3 | 67.1 | | |
| | | Filter 247 (Filter Minus Green) | 172 | 174 | 67.5 | 68.2 | | |
| | | Filter 248 (Half Minus Green) | 175 | 177 | 68.6 | 69.4 | | |
| Filter 281 (Three Quarter C.T. Blue) | 178 | 180 | 69.8 | 70.6 | | | | |
| Filter 285 (Three Qtr. C.T. Orange) | 181 | 183 | 71.0 | 71.8 | | | | |
| Filter 352 (Glacier Blue) | 184 | 186 | 72.2 | 72.9 | | | | |
| Filter 353 (Lighter Blue) | 187 | 189 | 73.3 | 74.1 | | | | |
| Filter 507 (Madge) | 190 | 192 | 74.5 | 75.3 | | | | |
| Filter 778 (Millennium Gold) | 193 | 195 | 75.7 | 76.5 | | | | |
| Filter 793 (Vanity Fair) | 196 | 198 | 76.9 | 77.6 | | | | |
| Filter 798 (Chrysalis Pink) | 199 | 201 | 78.0 | 78.8 | | | | |

Main Module: basic control (continued)

| | | | | | | | | |
|------------|---------------------------------------------------|---------------------------------------------------------------------------------------|-----|-----|------|------|---|------|
| 16 ctd. | Color wheel (continued) | HSI scroll, stop at first color | 202 | 204 | 79.2 | 80.0 | 0 | Snap |
| | | HSI scroll slow → fast | 205 | 252 | 80.4 | 98.8 | | Fade |
| | | HSI scroll, stop at current color | 253 | 255 | 99.2 | 100 | | Snap |
| 17 | Color Temperature Control | Open | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Fade through color temperatures of 10 000 K to 2 500 K stepless (interpolation) | 10 | 255 | 4.3 | 100 | | Fade |
| 18 | CQC (Color Quality Control) / Saturation | HQ (high quality), saturated color | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Crossfade, saturated to unsaturated color | 10 | 117 | 3.9 | 45.9 | | Fade |
| | | HQ (high quality), unsaturated color | 118 | 127 | 46.3 | 49.8 | | Snap |
| | | HO (high output), unsaturated color | 128 | 137 | 50.2 | 53.7 | | Fade |
| | | Crossfade, unsaturated to saturated color | 138 | 245 | 54.1 | 96.1 | | Snap |
| | | HO (high output), saturated color | 246 | 255 | 96.5 | 100 | | Snap |
| 19 | M/G shift | Off (no correction) | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Full plus magenta +100% | 10 | 10 | 3.9 | 3.9 | | Fade |
| | | Plus magenta +99% → +1% | 11 | 124 | 4.3 | 48.6 | | Snap |
| | | Neutral / no correction | 125 | 140 | 49.0 | 54.9 | | Fade |
| | | Plus green +1% → +99% | 141 | 254 | 55.3 | 99.6 | | Snap |
| | | Full plus green +100% | 255 | 255 | 100 | 100 | | Snap |
| 20 | Tungsten effect | Off | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Tungsten ACL 250W/28V | 10 | 19 | 3.9 | 7.5 | | |
| | | Tungsten Blinder 650W/120V | 20 | 29 | 7.8 | 11.4 | | |
| | | Tungsten 750W/80V | 30 | 39 | 11.8 | 15.3 | | |
| | | Tungsten 1000W/240V | 40 | 49 | 15.7 | 19.2 | | |
| | | Tungsten 1200W/240V | 50 | 59 | 19.6 | 23.1 | | |
| | | Tungsten 2000W/230V | 60 | 69 | 23.5 | 27.1 | | |
| | | Tungsten 2500W/230V | 70 | 79 | 27.5 | 31.0 | | |
| | | Tungsten 5000W/230V | 80 | 89 | 31.4 | 34.9 | | |
| | | No function (off) | 90 | 120 | 35.3 | 47.1 | | |
| | | Off | 120 | 139 | 47.1 | 54.5 | | |
| | | FX Tungsten ACL 250W/28V | 140 | 149 | 54.9 | 58.4 | | |
| | | FX Tungsten Blinder 650W/120V | 150 | 159 | 58.8 | 62.4 | | |
| | | FX Tungsten 750W/80V | 160 | 169 | 62.7 | 66.3 | | |
| | | FX Tungsten 1000W/240V | 170 | 179 | 66.7 | 70.2 | | |
| | | FX Tungsten 1200W/240V | 180 | 189 | 70.6 | 74.1 | | |
| | | FX Tungsten 2000W/230V | 190 | 199 | 74.5 | 78.0 | | |
| | | FX Tungsten 2500W/230V | 200 | 209 | 78.4 | 82.0 | | |
| | | FX Tungsten 5000W/230V | 210 | 219 | 82.4 | 85.9 | | |
| | | No function (off) | 220 | 255 | 86.3 | 100 | | |

Main Module: basic control (continued)

| | | | | | | | | |
|-----------------|---------------------|----------------------------------------------------------------------------------------|------|-----|------|------|---|------|
| 21 | Mix priority | Main Module and Sub Module HTP (highest value takes priority) | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Main only (Main Module color takes priority) | 10 | 19 | 3.9 | 7.5 | | |
| | | Sub only (Sub Module color takes priority) | 20 | 29 | 7.8 | 11.4 | | |
| | | Main and Sub additive (Sub Module color value added to Main Module color value) | 30 | 39 | 11.8 | 15.3 | | |
| | | Main minus Sub Module subtractive (Sub Module color value subtracted from Main) | 40 | 49 | 15.7 | 19.2 | | |
| | | Sub Module minus main subtractive (Main Module color value subtracted from Sub Module) | 50 | 59 | 19.6 | 23.1 | | |
| | | TrueColor 1: Main over Sub – snap | 60 | 69 | 23.5 | 27.1 | | Snap |
| | | TrueColor 2: Sub over Main – snap | 70 | 79 | 27.5 | 31.0 | | |
| | | TrueColor 3: Main over Sub – crossfade | 80 | 89 | 31.4 | 34.9 | | Fade |
| | | TrueColor 4: Sub over Main – crossfade | 90 | 99 | 35.3 | 38.8 | | Fade |
| | | No function | 100 | 127 | 39.2 | 49.8 | | |
| | | Main Module only | 128 | 130 | 50.2 | 51.0 | | Snap |
| | | Crossfading Main → HTP | 131 | 190 | 51.4 | 74.5 | | Fade |
| | | Main and Sub Modules (HTP) | 191 | 192 | 74.9 | 75.3 | | Snap |
| | | Crossfading HTP → Sub | 193 | 252 | 75.7 | 98.8 | | Fade |
| Sub Module only | 253 | 255 | 99.2 | 100 | Snap | | | |

Sub Module: second layer control

| | | | | | | | | |
|-----------|--------------------------|----------------------------------------------------------|-----|-------|------|------|---|------|
| 22 | Intensity coarse | Intensity 0 → 100% | 0 | 65535 | 0 | 100 | 0 | Fade |
| 23 | Intensity fine | | | | | | | |
| 24 | Shutter | Closed | 0 | 4 | 0 | 1.6 | 0 | Snap |
| | | Single flash if value changed within the range 005 → 009 | 5 | 9 | 2.0 | 3.5 | | Fade |
| | | Pulse slow → fast | 10 | 39 | 3.9 | 15.3 | | Fade |
| | | Pulse opening slow → fast | 40 | 69 | 15.7 | 27.1 | | Fade |
| | | Pulse closing slow → fast | 70 | 99 | 27.5 | 38.8 | | Fade |
| | | Double flash slow → fast | 100 | 129 | 39.2 | 50.6 | | Fade |
| | | Strobe random pixel slow → fast | 130 | 159 | 51.0 | 62.4 | | Fade |
| | | Strobe random all slow → fast | 160 | 199 | 62.7 | 78.0 | | Fade |
| | | Strobe sync all pixel slow → fast | 200 | 250 | 78.4 | 98.0 | | Fade |
| | | Open | 251 | 255 | 98.4 | 100 | | Snap |
| 25 | Pattern selection | Off (all pixels active) | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Static Pattern 01 | 10 | 11 | 3.9 | 4.3 | | |
| | | Static Pattern 02 | 12 | 13 | 4.7 | 5.1 | | |
| | | Static Pattern 03 | 14 | 15 | 5.5 | 5.9 | | |
| | | Static Pattern 04 | 16 | 17 | 6.3 | 6.7 | | |
| | | Static Pattern 05 | 18 | 19 | 7.1 | 7.5 | | |
| | | Static Pattern 06 | 20 | 21 | 7.8 | 8.2 | | |
| | | Static Pattern 07 | 22 | 23 | 8.6 | 9.0 | | |
| | | Static Pattern 08 | 24 | 25 | 9.4 | 9.8 | | |
| | | Static Pattern 09 | 26 | 27 | 10.2 | 10.6 | | |
| | | Static Pattern 10 | 28 | 29 | 11.0 | 11.4 | | |
| | | Static Pattern 11 | 30 | 31 | 11.8 | 12.2 | | |

Sub Module: second layer control (continued)

| | | | | | | | | |
|--------------------|--------------------------------------------|--------------------|-----|-----|------|------|---|------|
| 25 ctd. | Pattern selection continued | Static Pattern 12 | 32 | 33 | 12.5 | 12.9 | 0 | Snap |
| | | Static Pattern 13 | 34 | 35 | 13.3 | 13.7 | | |
| | | Static Pattern 14 | 36 | 37 | 14.1 | 14.5 | | |
| | | Static Pattern 15 | 38 | 39 | 14.9 | 15.3 | | |
| | | Static Pattern 16 | 40 | 41 | 15.7 | 16.1 | | |
| | | Static Pattern 17 | 52 | 43 | 20.4 | 16.9 | | |
| | | Static Pattern 18 | 44 | 45 | 17.3 | 17.6 | | |
| | | Static Pattern 19 | 46 | 47 | 18.0 | 18.4 | | |
| | | Static Pattern 20 | 48 | 49 | 18.8 | 19.2 | | |
| | | Static Pattern 21 | 50 | 51 | 19.6 | 20.0 | | |
| | | Static Pattern 22 | 52 | 53 | 20.4 | 20.8 | | |
| | | Static Pattern 23 | 54 | 55 | 21.2 | 21.6 | | |
| | | Static Pattern 24 | 56 | 57 | 22.0 | 22.4 | | |
| | | Static Pattern 25 | 58 | 59 | 22.7 | 23.1 | | |
| | | Static Pattern 26 | 60 | 61 | 23.5 | 23.9 | | |
| | | Static Pattern 27 | 62 | 63 | 24.3 | 24.7 | | |
| | | Static Pattern 28 | 64 | 65 | 25.1 | 25.5 | | |
| | | Static Pattern 29 | 66 | 67 | 25.9 | 26.3 | | |
| | | Static Pattern 30 | 68 | 69 | 26.7 | 27.1 | | |
| | | Static Pattern 31 | 70 | 71 | 27.5 | 27.8 | | |
| | | Static Pattern 32 | 72 | 73 | 28.2 | 28.6 | | |
| | | Static Pattern 33 | 74 | 75 | 29.0 | 29.4 | | |
| | | Static Pattern 34 | 76 | 77 | 29.8 | 30.2 | | |
| | | Static Pattern 35 | 78 | 79 | 30.6 | 31.0 | | |
| | | Static Pattern 36 | 80 | 81 | 31.4 | 31.8 | | |
| | | Static Pattern 37 | 82 | 83 | 32.2 | 32.5 | | |
| | | Static Pattern 38 | 84 | 85 | 32.9 | 33.3 | | |
| | | Static Pattern 39 | 86 | 87 | 33.7 | 34.1 | | |
| | | Static Pattern 40 | 88 | 89 | 34.5 | 34.9 | | |
| | | Static Pattern 41 | 90 | 91 | 35.3 | 35.7 | | |
| | | Static Pattern 42 | 92 | 93 | 36.1 | 36.5 | | |
| | | Static Pattern 43 | 94 | 95 | 36.9 | 37.3 | | |
| | | Static Pattern 44 | 96 | 97 | 37.6 | 38.0 | | |
| | | Static Pattern 45 | 98 | 99 | 38.4 | 38.8 | | |
| | | Static Pattern 46 | 100 | 101 | 39.2 | 39.6 | | |
| | | Static Pattern 47 | 102 | 103 | 40.0 | 40.4 | | |
| | | Static Pattern 48 | 104 | 105 | 40.8 | 41.2 | | |
| | | Static Pattern 49 | 106 | 107 | 41.6 | 42.0 | | |
| | | Static Pattern 50 | 108 | 109 | 42.4 | 42.7 | | |
| | | Static Pattern 51 | 110 | 111 | 43.1 | 43.5 | | |
| | | Static Pattern 52 | 112 | 113 | 43.9 | 44.3 | | |
| | | Static Pattern 53 | 114 | 115 | 44.7 | 45.1 | | |
| | | Static Pattern 54 | 116 | 117 | 45.5 | 45.9 | | |
| | | Static Pattern 55 | 118 | 119 | 46.3 | 46.7 | | |
| | | Static Pattern 56 | 120 | 121 | 47.1 | 47.5 | | |
| | | Static Pattern 57 | 122 | 123 | 47.8 | 48.2 | | |
| | | Static Pattern 58 | 124 | 125 | 48.6 | 49.0 | | |
| | | Static Pattern 59 | 126 | 127 | 49.4 | 49.8 | | |
| | | Dynamic Pattern 01 | 128 | 129 | 50.2 | 50.6 | | |
| | | Dynamic Pattern 02 | 130 | 131 | 51.0 | 51.4 | | |
| | | Dynamic Pattern 03 | 132 | 133 | 51.8 | 52.2 | | |
| | | Dynamic Pattern 04 | 134 | 135 | 52.5 | 52.9 | | |
| | | Dynamic Pattern 05 | 136 | 137 | 53.3 | 53.7 | | |
| | | Dynamic Pattern 06 | 138 | 139 | 54.1 | 54.5 | | |
| | | Dynamic Pattern 07 | 140 | 141 | 54.9 | 55.3 | | |

Sub Module: second layer control (continued)

| | | | | | | | | |
|--------------------|----------------------------------|--------------------|------|------|------|------|---|------|
| 25 | Pattern selection (continued) | Dynamic Pattern 08 | 142 | 143 | 55.7 | 56.1 | 0 | Snap |
| | | Dynamic Pattern 09 | 144 | 145 | 56.5 | 56.9 | | |
| | | Dynamic Pattern 10 | 146 | 147 | 57.3 | 57.6 | | |
| | | Dynamic Pattern 11 | 148 | 149 | 58.0 | 58.4 | | |
| | | Dynamic Pattern 12 | 150 | 151 | 58.8 | 59.2 | | |
| | | Dynamic Pattern 13 | 152 | 153 | 59.6 | 60.0 | | |
| | | Dynamic Pattern 14 | 154 | 155 | 60.4 | 60.8 | | |
| | | Dynamic Pattern 15 | 156 | 157 | 61.2 | 61.6 | | |
| | | Dynamic Pattern 16 | 158 | 159 | 62.0 | 62.4 | | |
| | | Dynamic Pattern 17 | 160 | 161 | 62.7 | 63.1 | | |
| | | Dynamic Pattern 18 | 162 | 163 | 63.5 | 63.9 | | |
| | | Dynamic Pattern 19 | 164 | 165 | 64.3 | 64.7 | | |
| | | Dynamic Pattern 20 | 166 | 167 | 65.1 | 65.5 | | |
| | | Dynamic Pattern 21 | 168 | 169 | 65.9 | 66.3 | | |
| | | Dynamic Pattern 22 | 170 | 171 | 66.7 | 67.1 | | |
| | | Dynamic Pattern 23 | 172 | 173 | 67.5 | 67.8 | | |
| | | Dynamic Pattern 24 | 174 | 175 | 68.2 | 68.6 | | |
| | | Dynamic Pattern 25 | 176 | 177 | 69.0 | 69.4 | | |
| | | Dynamic Pattern 26 | 178 | 179 | 69.8 | 70.2 | | |
| | | Dynamic Pattern 27 | 180 | 181 | 70.6 | 71.0 | | |
| | | Dynamic Pattern 28 | 182 | 183 | 71.4 | 71.8 | | |
| | | Dynamic Pattern 29 | 184 | 185 | 72.2 | 72.5 | | |
| | | Dynamic Pattern 30 | 186 | 187 | 72.9 | 73.3 | | |
| | | Dynamic Pattern 31 | 188 | 189 | 73.7 | 74.1 | | |
| | | Dynamic Pattern 32 | 190 | 191 | 74.5 | 74.9 | | |
| | | Dynamic Pattern 33 | 192 | 193 | 75.3 | 75.7 | | |
| | | Dynamic Pattern 34 | 194 | 195 | 76.1 | 76.5 | | |
| | | Dynamic Pattern 35 | 196 | 197 | 76.9 | 77.3 | | |
| | | Dynamic Pattern 36 | 198 | 199 | 77.6 | 78.0 | | |
| | | Dynamic Pattern 37 | 200 | 201 | 78.4 | 78.8 | | |
| | | Dynamic Pattern 38 | 202 | 203 | 79.2 | 79.6 | | |
| | | Dynamic Pattern 39 | 204 | 205 | 80.0 | 80.4 | | |
| | | Dynamic Pattern 40 | 206 | 207 | 80.8 | 81.2 | | |
| | | Dynamic Pattern 41 | 208 | 209 | 81.6 | 82.0 | | |
| | | Dynamic Pattern 42 | 210 | 211 | 82.4 | 82.7 | | |
| | | Dynamic Pattern 43 | 212 | 213 | 83.1 | 83.5 | | |
| | | Dynamic Pattern 44 | 214 | 215 | 83.9 | 84.3 | | |
| | | Dynamic Pattern 45 | 216 | 217 | 84.7 | 85.1 | | |
| | | Dynamic Pattern 46 | 218 | 219 | 85.5 | 85.9 | | |
| | | Dynamic Pattern 47 | 220 | 221 | 86.3 | 86.7 | | |
| | | Dynamic Pattern 48 | 222 | 223 | 87.1 | 87.5 | | |
| | | Dynamic Pattern 49 | 224 | 225 | 87.8 | 88.2 | | |
| | | Dynamic Pattern 50 | 226 | 227 | 88.6 | 89.0 | | |
| | | Special Pattern 01 | 228 | 229 | 89.4 | 89.8 | | |
| | | Special Pattern 02 | 230 | 231 | 90.2 | 90.6 | | |
| | | Special Pattern 03 | 232 | 233 | 91.0 | 91.4 | | |
| | | Special Pattern 04 | 234 | 235 | 91.8 | 92.2 | | |
| | | Special Pattern 05 | 236 | 237 | 92.5 | 92.9 | | |
| | | Special Pattern 06 | 238 | 239 | 93.3 | 93.7 | | |
| | | Special Pattern 07 | 240 | 241 | 94.1 | 94.5 | | |
| Special Pattern 08 | 242 | 243 | 94.9 | 95.3 | | | | |
| Special Pattern 09 | 244 | 245 | 95.7 | 96.1 | | | | |
| Special Pattern 10 | 246 | 247 | 96.5 | 96.9 | | | | |
| Special Pattern 11 | 248 | 249 | 97.3 | 97.6 | | | | |
| Random Pixel | 250 | 255 | 98.0 | 100 | | | | |

Sub Module: second layer control (continued)

| | | | | | | | | |
|-----------------|-------------------------------------------|---------------------------------------------|------|------|------|------|---|------|
| 26 | Pattern step / speed continued | Stop (first pattern step) | 0 | 2 | 0.0 | 0.8 | 0 | Snap |
| | | CW fast → slow (run pattern step 1 → n) | 3 | 63 | 1.2 | 24.7 | | |
| | | Stop at current position | 64 | 66 | 25.1 | 25.9 | | |
| | | CCW slow → fast (run pattern step n → 1) | 67 | 127 | 26.3 | 49.8 | | |
| | | Pattern Step 01 | 128 | 129 | 50.2 | 50.6 | | |
| | | Pattern Step 02 | 130 | 131 | 51.0 | 51.4 | | |
| | | Pattern Step 03 | 132 | 133 | 51.8 | 52.2 | | |
| | | Pattern Step 04 | 134 | 135 | 52.5 | 52.9 | | |
| | | Pattern Step 05 | 136 | 137 | 53.3 | 53.7 | | |
| | | Pattern Step 06 | 138 | 139 | 54.1 | 54.5 | | |
| | | Pattern Step 07 | 140 | 141 | 54.9 | 55.3 | | |
| | | Pattern Step 08 | 142 | 143 | 55.7 | 56.1 | | |
| | | Pattern Step 09 | 144 | 145 | 56.5 | 56.9 | | |
| | | Pattern Step 10 | 146 | 147 | 57.3 | 57.6 | | |
| | | Pattern Step 11 | 148 | 149 | 58.0 | 58.4 | | |
| | | Pattern Step 12 | 150 | 151 | 58.8 | 59.2 | | |
| | | Pattern Step 13 | 152 | 153 | 59.6 | 60.0 | | |
| | | Pattern Step 14 | 154 | 155 | 60.4 | 60.8 | | |
| | | Pattern Sep 15 | 156 | 157 | 61.2 | 61.6 | | |
| | | Pattern Step 16 | 158 | 159 | 62.0 | 62.4 | | |
| | | Pattern Step 17 | 160 | 161 | 62.7 | 63.1 | | |
| | | Pattern Step 18 | 162 | 163 | 63.5 | 63.9 | | |
| | | Pattern Step 19 | 164 | 165 | 64.3 | 64.7 | | |
| | | Pattern Step 20 | 166 | 167 | 65.1 | 65.5 | | |
| | | Pattern Step 21 | 168 | 169 | 65.9 | 66.3 | | |
| | | Pattern Step 22 | 170 | 171 | 66.7 | 67.1 | | |
| | | Pattern Step 23 | 172 | 173 | 67.5 | 67.8 | | |
| | | Pattern Step 24 | 174 | 175 | 68.2 | 68.6 | | |
| | | Pattern Step 25 | 176 | 177 | 69.0 | 69.4 | | |
| | | Pattern Step 26 | 178 | 179 | 69.8 | 70.2 | | |
| | | Pattern Step 27 | 180 | 181 | 70.6 | 71.0 | | |
| | | Pattern Step 28 | 182 | 183 | 71.4 | 71.8 | | |
| | | Pattern Step 29 | 184 | 185 | 72.2 | 72.5 | | |
| | | Pattern Step 30 | 186 | 187 | 72.9 | 73.3 | | |
| | | Pattern Step 31 | 188 | 189 | 73.7 | 74.1 | | |
| | | Pattern Step 32 | 190 | 191 | 74.5 | 74.9 | | |
| | | Pattern Step 33 | 192 | 193 | 75.3 | 75.7 | | |
| | | Pattern Step 34 | 194 | 195 | 76.1 | 76.5 | | |
| | | Pattern Step 35 | 196 | 197 | 76.9 | 77.3 | | |
| | | Pattern Step 36 | 198 | 199 | 77.6 | 78.0 | | |
| | | Pattern Step 37 | 200 | 201 | 78.4 | 78.8 | | |
| | | Pattern Step 41 | 208 | 209 | 81.6 | 82.0 | | |
| | | Pattern Step 42 | 210 | 211 | 82.4 | 82.7 | | |
| | | Pattern Step 43 | 212 | 213 | 83.1 | 83.5 | | |
| | | Pattern Step 41 | 208 | 209 | 81.6 | 82.0 | | |
| | | Pattern Step 42 | 210 | 211 | 82.4 | 82.7 | | |
| | | Pattern Step 43 | 212 | 213 | 83.1 | 83.5 | | |
| | | Pattern Step 44 | 214 | 215 | 83.9 | 84.3 | | |
| Pattern Step 45 | 216 | 217 | 84.7 | 85.1 | | | | |
| Pattern Step 46 | 218 | 219 | 85.5 | 85.9 | | | | |
| Pattern Step 47 | 220 | 221 | 86.3 | 86.7 | | | | |
| Pattern Step 48 | 222 | 223 | 87.1 | 87.5 | | | | |

Sub Module: second layer control (continued)

| | | | | | | | | |
|--------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------|-------|------|-------|---|------|
| 26 ctd. | Pattern step / speed continued | Pattern Step 49 | 224 | 225 | 87.8 | 88.2 | 0 | Snap |
| | | Pattern Step 50 | 226 | 227 | 88.6 | 89.0 | | |
| | | Pattern Step 51 | 228 | 229 | 89.4 | 89.8 | | |
| | | Pattern Step 52 | 230 | 231 | 90.2 | 90.6 | | |
| | | Pattern Step 53 | 232 | 233 | 91.0 | 91.4 | | |
| | | Pattern Step 54 | 234 | 235 | 91.8 | 92.2 | | |
| | | Pattern Step 55 | 236 | 237 | 92.5 | 92.9 | | |
| | | Pattern Step 56 | 238 | 239 | 93.3 | 93.7 | | |
| | | Pattern Step 57 | 240 | 241 | 94.1 | 94.5 | | |
| | | Pattern Step 58 | 242 | 243 | 94.9 | 95.3 | | |
| | | Pattern Step 59 | 244 | 245 | 95.7 | 96.1 | | |
| | | Pattern Step 60 | 246 | 247 | 96.5 | 96.9 | | |
| | | Pattern Step 61 | 248 | 249 | 97.3 | 97.6 | | |
| | | Pattern Step 62 | 250 | 251 | 98.0 | 98.4 | | |
| | | Pattern Step 63 | 252 | 253 | 98.8 | 99.2 | | |
| Pattern Step 64 | 254 | 255 | 99.6 | 100.0 | | | | |
| 27 | Pattern step crossfading (from one step to next) | Off (no crossfading, Snap) | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Crossfading: Snap → min. Xfade → max. Xfade (fade in and fade out times are identical) | 10 | 127 | 3.9 | 49.8 | | Fade |
| | | Off (no crossfading, Snap) | 128 | 137 | 50.2 | 53.7 | | Snap |
| | | Crossfading with tail: Snap → min. Xfade with tail → max. Xfade with tail (fade in time is shorter than fade out time) | 138 | 255 | 54.1 | 100 | | Fade |
| 28 | Pattern transition (from one pattern to next) | Off (snap from one pattern to next) | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Normal transition (snap → fade 5s) | 10 | 63 | 3.9 | 24.7 | | Fade |
| | | Off (snap from one pattern to next) | 64 | 73 | 25.1 | 28.6 | | Snap |
| | | FOB (Fade Over Blackout) transition (snap → fade 5s) | 74 | 127 | 29.0 | 49.8 | | Fade |
| | | Off (snap from one pattern to next) | 128 | 137 | 50.2 | 53.7 | | Snap |
| | | FOF (Fade Over Full) transition (snap → fade 5s) | 138 | 191 | 54.1 | 74.9 | | Fade |
| | | No function | 192 | 255 | 75.3 | 100.0 | | |
| 29 | Fixture total number | Off | 0 | 0 | 0 | 0 | 0 | Snap |
| | | 1 fixture in total | 1 | 1 | 0.4 | 0.4 | | |
| | | 2 fixtures in total | 2 | 2 | 0.8 | 0.8 | | |
| | | 3...254 fixtures in total | 3 | 254 | 1.2 | 99.6 | | |
| | | 255 fixtures in total | 255 | 255 | 100 | 100 | | |
| 30 | Fixture position | Off | 0 | 0 | 0 | 0 | 0 | Snap |
| | | Fixture in position 1 | 1 | 1 | 0.4 | 0.4 | | |
| | | Fixture in position 2 | 2 | 2 | 0.8 | 0.8 | | |
| | | Fixture in position 3 ... 254 | 3 | 254 | 1.2 | 99.6 | | |
| | | Fixture in position 255 | 255 | 255 | 100 | 100 | | |
| 31 | Red, pixel 01-18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 32 | Green, pixel 01-18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 33 | Blue, pixel 01-18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |

DMX Mode 3: Segments

48 DMX Channels

| Channel | Command | DMX range | Percent | Default DMX | Fade | | | |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------|-------------|------|------|-------|------|
| Main Module: basic control | | | | | | | | |
| 1 | Tilt coarse | Tilt back → front | 0 | 65535 | 0 | 100 | 32768 | Fade |
| 2 | Tilt fine | | | | | | | |
| 3 | Intensity coarse | Intensity 0 → 100% | 0 | 65535 | 0 | 100 | 32768 | Fade |
| 4 | Intensity fine | | | | | | | |
| 5 | Shutter | Closed | 0 | 4 | 0 | 1.6 | 255 | Snap |
| | | Single flash each time value is changed within range 005 → 009 | 5 | 9 | 2.0 | 3.5 | | Snap |
| | | Pulse slow → fast | 10 | 39 | 3.9 | 15.3 | | Fade |
| | | Opening pulse slow → fast | 40 | 69 | 15.7 | 27.1 | | Fade |
| | | Closing pulse slow → fast | 70 | 99 | 27.5 | 38.8 | | Fade |
| | | Double flash slow → fast | 100 | 129 | 39.2 | 50.6 | | Fade |
| | | Random pixel strobe slow → fast | 130 | 159 | 51.0 | 62.4 | | Fade |
| | | Random all strobe slow → fast | 160 | 199 | 62.7 | 78.0 | | Fade |
| | | Strobe sync all pixels slow → fast | 200 | 250 | 78.4 | 98.0 | | Fade |
| Open | 251 | 255 | 98.4 | 100 | Snap | | | |
| 6 | Zoom | Zoom narrow → wide | 0 | 255 | 0 | 100 | 0 | Fade |
| 7 | Control/Settings | See 'Control / Settings channel' on page 45 | | | | | | |
| 8 | RGB / RGBL / x,y color control (see also 'Key to conversion of x and y coordinates' on page 4747) | [1] RGB - Red coarse [2] RGBL - Red coarse [3] x;y - x coarse | 0 | 65535 | 0 | 100 | 65535 | Fade |
| 9 | | [1] RGB - Red fine [2] RGBL - Red fine [3] x;y - x fine | | | | | | |
| 10 | | [1] RGB - Green coarse [2] RGBL - Green coarse [3] x;y - y coarse | 0 | 65535 | 0 | 100 | 65535 | Fade |
| 11 | | [1] RGB - Green fine [2] RGBL - Green fine [3] x;y - y fine | | | | | | |
| 12 | | [1] RGB - Blue coarse [2] RGBL - Blue coarse [3] x;y - <i>not used</i> | 0 | 65535 | 0 | 100 | 65535 | Fade |
| 13 | | [1] RGB - Blue fine [2] RGBL - Blue fine [3] x;y - <i>not used</i> | | | | | | |
| 14 | | [1] RGB - <i>not used</i> [2] RGBL - Lime coarse [3] x;y - <i>not used</i> | 0 | 65535 | 0 | 100 | 65535 | Fade |
| 15 | | [1] RGB - <i>not used</i> [2] RGBL - Lime fine [3] x;y - <i>not used</i> | | | | | | |

Main Module: basic control (continued)

| | | | | | | | | |
|--------------------------------|----------------------------------------------------------------------------|-----------------------------------|------|------|------|------|---|------|
| 16 | Color wheel (see also 'Color wheel specifications' on page 48) | Open | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Filter 004 (Medium Bastard Amber) | 10 | 12 | 3.9 | 4.7 | | |
| | | Filter 019 (Fire) | 13 | 15 | 5.1 | 5.9 | | |
| | | Filter 025 (Sunset Red) | 16 | 18 | 6.3 | 7.1 | | |
| | | Filter 026 (Bright Red) | 19 | 21 | 7.5 | 8.2 | | |
| | | Filter 036 (Medium Pink) | 22 | 24 | 8.6 | 9.4 | | |
| | | Filter 049 (Medium Purple) | 25 | 27 | 9.8 | 10.6 | | |
| | | Filter 058 (Lavender) | 28 | 30 | 11.0 | 11.8 | | |
| | | Filter 068 (Sky Blue) | 31 | 33 | 12.2 | 12.9 | | |
| | | Filter 088 (Lime Green) | 34 | 36 | 13.3 | 14.1 | | |
| | | Filter 089 (Moss Green) | 37 | 39 | 14.5 | 15.3 | | |
| | | Filter 090 (Dark Yellow Green) | 40 | 42 | 15.7 | 16.5 | | |
| | | Filter 102 (Light Amber) | 43 | 45 | 16.9 | 17.6 | | |
| | | Filter 103 (Straw) | 46 | 48 | 18.0 | 18.8 | | |
| | | Filter 106 (Primary Red) | 49 | 51 | 19.2 | 20.0 | | |
| | | Filter 111 (Dark Pink) | 52 | 54 | 20.4 | 21.2 | | |
| | | Filter 115 (Peacock Blue) | 55 | 57 | 21.6 | 22.4 | | |
| | | Filter 117 (Steel Blue) | 58 | 60 | 22.7 | 23.5 | | |
| | | Filter 118 (Light Blue) | 61 | 63 | 23.9 | 24.7 | | |
| | | Filter 121 (Filter Green) | 64 | 66 | 25.1 | 25.9 | | |
| | | Filter 122 (Fern Green) | 67 | 69 | 26.3 | 27.1 | | |
| | | Filter 124 (Dark Green) | 70 | 72 | 27.5 | 28.2 | | |
| | | Filter 126 (Mauve) | 73 | 75 | 28.6 | 29.4 | | |
| | | Filter 128 (Bright Pink) | 76 | 78 | 29.8 | 30.6 | | |
| | | Filter 131 (Marine Blue) | 79 | 81 | 31.0 | 31.8 | | |
| | | Filter 132 (Medium Blue) | 82 | 84 | 32.2 | 32.9 | | |
| | | Filter 134 (Golden Amber) | 85 | 87 | 33.3 | 34.1 | | |
| | | Filter 135 (Deep Golden Amber) | 88 | 90 | 34.5 | 35.3 | | |
| | | Filter 136 (Pale Lavender) | 91 | 93 | 35.7 | 36.5 | | |
| | | Filter 137 (Special Lavender) | 94 | 96 | 36.9 | 37.6 | | |
| | | Filter 138 (Pale Green) | 97 | 99 | 38.0 | 38.8 | | |
| | | Filter 140 (Summer Blue) | 100 | 102 | 39.2 | 40.0 | | |
| | | Filter 141 (Bright Blue) | 103 | 105 | 40.4 | 41.2 | | |
| | | Filter 143 (Pale Navy Blue) | 106 | 108 | 41.6 | 42.4 | | |
| | | Filter 147 (Apricot) | 109 | 111 | 42.7 | 43.5 | | |
| | | Filter 148 (Bright Rose) | 112 | 114 | 43.9 | 44.7 | | |
| | | Filter 152 (Pale Gold) | 115 | 117 | 45.1 | 45.9 | | |
| | | Filter 154 (Pale Rose) | 118 | 120 | 46.3 | 47.1 | | |
| | | Filter 157 (Pink) | 121 | 123 | 47.5 | 48.2 | | |
| | | Filter 162 (Bastard Amber) | 124 | 126 | 48.6 | 49.4 | | |
| | | Filter 164 (Flame Red) | 127 | 129 | 49.8 | 50.6 | | |
| | | Filter 165 (Daylight Blue) | 130 | 132 | 51.0 | 51.8 | | |
| | | Filter 169 (Lilac Tint) | 133 | 135 | 52.2 | 52.9 | | |
| | | Filter 170 (Deep Lavender) | 136 | 138 | 53.3 | 54.1 | | |
| Filter 172 (Lagoon Blue) | 139 | 141 | 54.5 | 55.3 | | | | |
| Filter 180 (Dark Lavender) | 142 | 144 | 55.7 | 56.5 | | | | |
| Filter 182 (Light Red) | 145 | 147 | 56.9 | 57.6 | | | | |
| Filter 194 (Surprise Pink) | 148 | 150 | 58.0 | 58.8 | | | | |
| Filter 197 (Alice Blue) | 151 | 153 | 59.2 | 60.0 | | | | |
| Filter 201 (Full C.T. Blue) | 154 | 156 | 60.4 | 61.2 | | | | |
| Filter 202 (Half C.T. Blue) | 157 | 159 | 61.6 | 62.4 | | | | |
| Filter 203 (Quarter C.T. Blue) | 160 | 162 | 62.7 | 63.5 | | | | |
| Filter 204 (Full C.T. Orange) | 163 | 165 | 63.9 | 64.7 | | | | |

Main Module: basic control (continued)

| | | | | | | | | | |
|-----------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|------|------|------|------|---|------|------|
| 16 ctd. | Color wheel (continued) | Filter 206 (Quarter C.T. Orange) | 166 | 168 | 65.1 | 65.9 | 0 | Snap | |
| | | Filter 219 (Fluorescent Green) | 169 | 171 | 66.3 | 67.1 | | | |
| | | Filter 247 (Filter Minus Green) | 172 | 174 | 67.5 | 68.2 | | | |
| | | Filter 248 (Half Minus Green) | 175 | 177 | 68.6 | 69.4 | | | |
| | | Filter 281 (Three Quarter C.T. Blue) | 178 | 180 | 69.8 | 70.6 | | | |
| | | Filter 285 (Three Qtr. C.T. Orange) | 181 | 183 | 71.0 | 71.8 | | | |
| | | Filter 352 (Glacier Blue) | 184 | 186 | 72.2 | 72.9 | | | |
| | | Filter 353 (Lighter Blue) | 187 | 189 | 73.3 | 74.1 | | | |
| | | Filter 507 (Madge) | 190 | 192 | 74.5 | 75.3 | | | |
| | | Filter 778 (Millennium Gold) | 193 | 195 | 75.7 | 76.5 | | | |
| | | Filter 793 (Vanity Fair) | 196 | 198 | 76.9 | 77.6 | | | |
| | | Filter 798 (Chrysalis Pink) | 199 | 201 | 78.0 | 78.8 | | | |
| | | HSI scroll, stop at first color | 202 | 204 | 79.2 | 80.0 | | | Snap |
| | | HSI scroll slow → fast | 205 | 252 | 80.4 | 98.8 | | | Fade |
| HSI scroll, stop at current color | 253 | 255 | 99.2 | 100 | Snap | | | | |
| 17 | Color Temperature Control | Open | 0 | 9 | 0 | 3.5 | 0 | Snap | |
| | | Fade through color temperatures of 10 000 K to 2 500 K stepless (interpolation) | 10 | 255 | 4.3 | 100 | | Fade | |
| 18 | CQC (Color Quality Control) / Saturation | HQ (high quality), saturated color | 0 | 9 | 0 | 3.5 | 0 | Snap | |
| | | Crossfade, saturated to unsaturated color | 10 | 117 | 3.9 | 45.9 | | Fade | |
| | | HQ (high quality), unsaturated color | 118 | 127 | 46.3 | 49.8 | | Snap | |
| | | HO (high output), unsaturated color | 128 | 137 | 50.2 | 53.7 | | Snap | |
| | | Crossfade, unsaturated to saturated color | 138 | 245 | 54.1 | 96.1 | | Fade | |
| | | HO (high output), saturated color | 246 | 255 | 96.5 | 100 | | Snap | |
| 19 | M/G shift | Off (no correction) | 0 | 9 | 0 | 3.5 | 0 | Snap | |
| | | Full plus magenta +100% | 10 | 10 | 3.9 | 3.9 | | Fade | |
| | | Plus magenta +99% → +1% | 11 | 124 | 4.3 | 48.6 | | Snap | |
| | | Neutral / no correction | 125 | 140 | 49.0 | 54.9 | | Fade | |
| | | Plus green +1% → +99% | 141 | 254 | 55.3 | 99.6 | | Snap | |
| | | Full plus green +100% | 255 | 255 | 100 | 100 | | Snap | |
| 20 | Tungsten effect | Off | 0 | 9 | 0 | 3.5 | 0 | Snap | |
| | | Tungsten ACL 250W/28V | 10 | 19 | 3.9 | 7.5 | | | |
| | | Tungsten Blinder 650W/120V | 20 | 29 | 7.8 | 11.4 | | | |
| | | Tungsten 750W/80V | 30 | 39 | 11.8 | 15.3 | | | |
| | | Tungsten 1000W/240V | 40 | 49 | 15.7 | 19.2 | | | |
| | | Tungsten 1200W/240V | 50 | 59 | 19.6 | 23.1 | | | |
| | | Tungsten 2000W/230V | 60 | 69 | 23.5 | 27.1 | | | |
| | | Tungsten 2500W/230V | 70 | 79 | 27.5 | 31.0 | | | |
| | | Tungsten 5000W/230V | 80 | 89 | 31.4 | 34.9 | | | |
| | | No function (off) | 90 | 120 | 35.3 | 47.1 | | | |
| | | Off | 120 | 139 | 47.1 | 54.5 | | | |
| | | FX Tungsten ACL 250W/28V | 140 | 149 | 54.9 | 58.4 | | | |
| | | FX Tungsten Blinder 650W/120V | 150 | 159 | 58.8 | 62.4 | | | |
| | | FX Tungsten 750W/80V | 160 | 169 | 62.7 | 66.3 | | | |
| FX Tungsten 1000W/240V | 170 | 179 | 66.7 | 70.2 | | | | | |

Main Module: basic control (continued)

| | | | | | | | | | |
|--------------------------|------------------------------------|----------------------------------------------------------------------------------------|------|-----|------|------|---|------|------|
| 20 ctd. | Tungsten effect (continued) | FX Tungsten 1200W/240V | 180 | 189 | 70.6 | 74.1 | 0 | Snap | |
| | | FX Tungsten 2000W/230V | 190 | 199 | 74.5 | 78.0 | | | |
| | | FX Tungsten 2500W/230V | 200 | 209 | 78.4 | 82.0 | | | |
| | | FX Tungsten 5000W/230V | 210 | 219 | 82.4 | 85.9 | | | |
| | | No function (off) | 220 | 255 | 86.3 | 100 | | | |
| 21 | Mix priority | Main Module and Sub Module HTP (highest value takes priority) | 0 | 9 | 0 | 3.5 | 0 | Snap | |
| | | Main only (Main Module color takes priority) | 10 | 19 | 3.9 | 7.5 | | | |
| | | Sub only (Sub Module color takes priority) | 20 | 29 | 7.8 | 11.4 | | | |
| | | Main and Sub additive (Sub Module color value added to Main Module color value) | 30 | 39 | 11.8 | 15.3 | | | |
| | | Main minus Sub Module subtractive (Sub Module color value subtracted from Main) | 40 | 49 | 15.7 | 19.2 | | | |
| | | Sub Module minus main subtractive (Main Module color value subtracted from Sub Module) | 50 | 59 | 19.6 | 23.1 | | | |
| | | TrueColor 1: Main over Sub – snap | 60 | 69 | 23.5 | 27.1 | | | Snap |
| | | TrueColor 2: Sub over Main – snap | 70 | 79 | 27.5 | 31.0 | | | |
| | | TrueColor 3: Main over Sub – crossfade | 80 | 89 | 31.4 | 34.9 | | | Fade |
| | | TrueColor 4: Sub over Main – crossfade | 90 | 99 | 35.3 | 38.8 | | | Fade |
| | | No function | 100 | 127 | 39.2 | 49.8 | | | |
| | | Main Module only | 128 | 130 | 50.2 | 51.0 | | | Snap |
| | | Crossfading Main → HTP | 131 | 190 | 51.4 | 74.5 | | | Fade |
| | | Main and Sub Modules (HTP) | 191 | 192 | 74.9 | 75.3 | | | Snap |
| | | Crossfading HTP → Sub | 193 | 252 | 75.7 | 98.8 | | | Fade |
| Sub Module only | 253 | 255 | 99.2 | 100 | Snap | | | | |

Sub Module: second layer control

| | | | | | | | | |
|-----------|-------------------------|----------------------------------------------------------|-----|-------|------|------|---|------|
| 22 | Intensity coarse | Intensity 0 → 100% | 0 | 65535 | 0 | 100 | 0 | Fade |
| 23 | Intensity fine | | | | | | | |
| 24 | Shutter | Closed | 0 | 4 | 0 | 1.6 | 0 | Snap |
| | | Single flash if value changed within the range 005 → 009 | 5 | 9 | 2.0 | 3.5 | | Fade |
| | | Pulse slow → fast | 10 | 39 | 3.9 | 15.3 | | Fade |
| | | Pulse opening slow → fast | 40 | 69 | 15.7 | 27.1 | | Fade |
| | | Pulse closing slow → fast | 70 | 99 | 27.5 | 38.8 | | Fade |
| | | Double flash slow → fast | 100 | 129 | 39.2 | 50.6 | | Fade |
| | | Strobe random pixel slow → fast | 130 | 159 | 51.0 | 62.4 | | Fade |
| | | Strobe random all slow → fast | 160 | 199 | 62.7 | 78.0 | | Fade |
| | | Strobe sync all pixel slow → fast | 200 | 250 | 78.4 | 98.0 | | Fade |
| | | Open | 251 | 255 | 98.4 | 100 | | Snap |

Sub Module: second layer control (continued)

| | | | | | | | | |
|-------------------|--------------------------|-------------------------|------|------|------|------|---|------|
| 25 | Pattern selection | Off (all pixels active) | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Static Pattern 01 | 10 | 11 | 3.9 | 4.3 | | |
| | | Static Pattern 02 | 12 | 13 | 4.7 | 5.1 | | |
| | | Static Pattern 03 | 14 | 15 | 5.5 | 5.9 | | |
| | | Static Pattern 04 | 16 | 17 | 6.3 | 6.7 | | |
| | | Static Pattern 05 | 18 | 19 | 7.1 | 7.5 | | |
| | | Static Pattern 06 | 20 | 21 | 7.8 | 8.2 | | |
| | | Static Pattern 07 | 22 | 23 | 8.6 | 9.0 | | |
| | | Static Pattern 08 | 24 | 25 | 9.4 | 9.8 | | |
| | | Static Pattern 09 | 26 | 27 | 10.2 | 10.6 | | |
| | | Static Pattern 10 | 28 | 29 | 11.0 | 11.4 | | |
| | | Static Pattern 11 | 30 | 31 | 11.8 | 12.2 | | |
| | | Static Pattern 12 | 32 | 33 | 12.5 | 12.9 | | |
| | | Static Pattern 13 | 34 | 35 | 13.3 | 13.7 | | |
| | | Static Pattern 14 | 36 | 37 | 14.1 | 14.5 | | |
| | | Static Pattern 15 | 38 | 39 | 14.9 | 15.3 | | |
| | | Static Pattern 16 | 40 | 41 | 15.7 | 16.1 | | |
| | | Static Pattern 17 | 52 | 43 | 20.4 | 16.9 | | |
| | | Static Pattern 18 | 44 | 45 | 17.3 | 17.6 | | |
| | | Static Pattern 19 | 46 | 47 | 18.0 | 18.4 | | |
| | | Static Pattern 20 | 48 | 49 | 18.8 | 19.2 | | |
| | | Static Pattern 21 | 50 | 51 | 19.6 | 20.0 | | |
| | | Static Pattern 22 | 52 | 53 | 20.4 | 20.8 | | |
| | | Static Pattern 23 | 54 | 55 | 21.2 | 21.6 | | |
| | | Static Pattern 24 | 56 | 57 | 22.0 | 22.4 | | |
| | | Static Pattern 25 | 58 | 59 | 22.7 | 23.1 | | |
| | | Static Pattern 26 | 60 | 61 | 23.5 | 23.9 | | |
| | | Static Pattern 27 | 62 | 63 | 24.3 | 24.7 | | |
| | | Static Pattern 28 | 64 | 65 | 25.1 | 25.5 | | |
| | | Static Pattern 29 | 66 | 67 | 25.9 | 26.3 | | |
| | | Static Pattern 30 | 68 | 69 | 26.7 | 27.1 | | |
| | | Static Pattern 31 | 70 | 71 | 27.5 | 27.8 | | |
| | | Static Pattern 32 | 72 | 73 | 28.2 | 28.6 | | |
| | | Static Pattern 33 | 74 | 75 | 29.0 | 29.4 | | |
| | | Static Pattern 34 | 76 | 77 | 29.8 | 30.2 | | |
| | | Static Pattern 35 | 78 | 79 | 30.6 | 31.0 | | |
| | | Static Pattern 36 | 80 | 81 | 31.4 | 31.8 | | |
| | | Static Pattern 37 | 82 | 83 | 32.2 | 32.5 | | |
| | | Static Pattern 38 | 84 | 85 | 32.9 | 33.3 | | |
| | | Static Pattern 39 | 86 | 87 | 33.7 | 34.1 | | |
| | | Static Pattern 40 | 88 | 89 | 34.5 | 34.9 | | |
| | | Static Pattern 41 | 90 | 91 | 35.3 | 35.7 | | |
| | | Static Pattern 42 | 92 | 93 | 36.1 | 36.5 | | |
| | | Static Pattern 43 | 94 | 95 | 36.9 | 37.3 | | |
| | | Static Pattern 44 | 96 | 97 | 37.6 | 38.0 | | |
| | | Static Pattern 45 | 98 | 99 | 38.4 | 38.8 | | |
| | | Static Pattern 46 | 100 | 101 | 39.2 | 39.6 | | |
| | | Static Pattern 47 | 102 | 103 | 40.0 | 40.4 | | |
| | | Static Pattern 48 | 104 | 105 | 40.8 | 41.2 | | |
| | | Static Pattern 49 | 106 | 107 | 41.6 | 42.0 | | |
| | | Static Pattern 50 | 108 | 109 | 42.4 | 42.7 | | |
| | | Static Pattern 51 | 110 | 111 | 43.1 | 43.5 | | |
| Static Pattern 52 | 112 | 113 | 43.9 | 44.3 | | | | |

Sub Module: second layer control (continued)

| | | | | | | | | |
|--------------------|----------------------------------|--------------------|------|------|------|------|---|------|
| 25 | Pattern selection (continued) | Static Pattern 53 | 114 | 115 | 44.7 | 45.1 | 0 | Snap |
| | | Static Pattern 54 | 116 | 117 | 45.5 | 45.9 | | |
| | | Static Pattern 55 | 118 | 119 | 46.3 | 46.7 | | |
| | | Static Pattern 56 | 120 | 121 | 47.1 | 47.5 | | |
| | | Static Pattern 57 | 122 | 123 | 47.8 | 48.2 | | |
| | | Static Pattern 58 | 124 | 125 | 48.6 | 49.0 | | |
| | | Static Pattern 59 | 126 | 127 | 49.4 | 49.8 | | |
| | | Dynamic Pattern 01 | 128 | 129 | 50.2 | 50.6 | | |
| | | Dynamic Pattern 02 | 130 | 131 | 51.0 | 51.4 | | |
| | | Dynamic Pattern 03 | 132 | 133 | 51.8 | 52.2 | | |
| | | Dynamic Pattern 04 | 134 | 135 | 52.5 | 52.9 | | |
| | | Dynamic Pattern 05 | 136 | 137 | 53.3 | 53.7 | | |
| | | Dynamic Pattern 06 | 138 | 139 | 54.1 | 54.5 | | |
| | | Dynamic Pattern 07 | 140 | 141 | 54.9 | 55.3 | | |
| | | Dynamic Pattern 08 | 142 | 143 | 55.7 | 56.1 | | |
| | | Dynamic Pattern 09 | 144 | 145 | 56.5 | 56.9 | | |
| | | Dynamic Pattern 10 | 146 | 147 | 57.3 | 57.6 | | |
| | | Dynamic Pattern 11 | 148 | 149 | 58.0 | 58.4 | | |
| | | Dynamic Pattern 12 | 150 | 151 | 58.8 | 59.2 | | |
| | | Dynamic Pattern 13 | 152 | 153 | 59.6 | 60.0 | | |
| | | Dynamic Pattern 14 | 154 | 155 | 60.4 | 60.8 | | |
| | | Dynamic Pattern 15 | 156 | 157 | 61.2 | 61.6 | | |
| | | Dynamic Pattern 16 | 158 | 159 | 62.0 | 62.4 | | |
| | | Dynamic Pattern 17 | 160 | 161 | 62.7 | 63.1 | | |
| | | Dynamic Pattern 18 | 162 | 163 | 63.5 | 63.9 | | |
| | | Dynamic Pattern 19 | 164 | 165 | 64.3 | 64.7 | | |
| | | Dynamic Pattern 20 | 166 | 167 | 65.1 | 65.5 | | |
| | | Dynamic Pattern 21 | 168 | 169 | 65.9 | 66.3 | | |
| | | Dynamic Pattern 22 | 170 | 171 | 66.7 | 67.1 | | |
| | | Dynamic Pattern 23 | 172 | 173 | 67.5 | 67.8 | | |
| | | Dynamic Pattern 24 | 174 | 175 | 68.2 | 68.6 | | |
| | | Dynamic Pattern 25 | 176 | 177 | 69.0 | 69.4 | | |
| | | Dynamic Pattern 26 | 178 | 179 | 69.8 | 70.2 | | |
| | | Dynamic Pattern 27 | 180 | 181 | 70.6 | 71.0 | | |
| | | Dynamic Pattern 28 | 182 | 183 | 71.4 | 71.8 | | |
| | | Dynamic Pattern 29 | 184 | 185 | 72.2 | 72.5 | | |
| | | Dynamic Pattern 30 | 186 | 187 | 72.9 | 73.3 | | |
| | | Dynamic Pattern 31 | 188 | 189 | 73.7 | 74.1 | | |
| | | Dynamic Pattern 32 | 190 | 191 | 74.5 | 74.9 | | |
| | | Dynamic Pattern 33 | 192 | 193 | 75.3 | 75.7 | | |
| | | Dynamic Pattern 34 | 194 | 195 | 76.1 | 76.5 | | |
| | | Dynamic Pattern 35 | 196 | 197 | 76.9 | 77.3 | | |
| | | Dynamic Pattern 36 | 198 | 199 | 77.6 | 78.0 | | |
| | | Dynamic Pattern 37 | 200 | 201 | 78.4 | 78.8 | | |
| | | Dynamic Pattern 38 | 202 | 203 | 79.2 | 79.6 | | |
| | | Dynamic Pattern 39 | 204 | 205 | 80.0 | 80.4 | | |
| | | Dynamic Pattern 40 | 206 | 207 | 80.8 | 81.2 | | |
| Dynamic Pattern 41 | 208 | 209 | 81.6 | 82.0 | | | | |
| Dynamic Pattern 42 | 210 | 211 | 82.4 | 82.7 | | | | |
| Dynamic Pattern 43 | 212 | 213 | 83.1 | 83.5 | | | | |
| Dynamic Pattern 44 | 214 | 215 | 83.9 | 84.3 | | | | |
| Dynamic Pattern 45 | 216 | 217 | 84.7 | 85.1 | | | | |
| Dynamic Pattern 46 | 218 | 219 | 85.5 | 85.9 | | | | |
| Dynamic Pattern 47 | 220 | 221 | 86.3 | 86.7 | | | | |

Sub Module: second layer control (continued)

| | | | | | | | | |
|-------------------|-----------------------------------------|---------------------------------------------|------|------|------|------|---|------|
| 25 ctd. | Pattern selection (continued) | Dynamic Pattern 48 | 222 | 223 | 87.1 | 87.5 | 0 | Snap |
| | | Dynamic Pattern 49 | 224 | 225 | 87.8 | 88.2 | | |
| | | Dynamic Pattern 50 | 226 | 227 | 88.6 | 89.0 | | |
| | | Special Pattern 01 | 228 | 229 | 89.4 | 89.8 | | |
| | | Special Pattern 02 | 230 | 231 | 90.2 | 90.6 | | |
| | | Special Pattern 03 | 232 | 233 | 91.0 | 91.4 | | |
| | | Special Pattern 04 | 234 | 235 | 91.8 | 92.2 | | |
| | | Special Pattern 05 | 236 | 237 | 92.5 | 92.9 | | |
| | | Special Pattern 06 | 238 | 239 | 93.3 | 93.7 | | |
| | | Special Pattern 07 | 240 | 241 | 94.1 | 94.5 | | |
| | | Special Pattern 08 | 242 | 243 | 94.9 | 95.3 | | |
| | | Special Pattern 09 | 244 | 245 | 95.7 | 96.1 | | |
| | | Special Pattern 10 | 246 | 247 | 96.5 | 96.9 | | |
| | | Special Pattern 11 | 248 | 249 | 97.3 | 97.6 | | |
| Random Pixel | 250 | 255 | 98.0 | 100 | | | | |
| 26 | Pattern step / speed | Stop (first pattern step) | 0 | 2 | 0.0 | 0.8 | 0 | Snap |
| | | CW fast → slow (run pattern step 1 → n) | 3 | 63 | 1.2 | 24.7 | | |
| | | Stop at current position | 64 | 66 | 25.1 | 25.9 | | |
| | | CCW slow → fast (run pattern step n → 1) | 67 | 127 | 26.3 | 49.8 | | |
| | | Pattern Step 01 | 128 | 129 | 50.2 | 50.6 | | |
| | | Pattern Step 02 | 130 | 131 | 51.0 | 51.4 | | |
| | | Pattern Step 03 | 132 | 133 | 51.8 | 52.2 | | |
| | | Pattern Step 04 | 134 | 135 | 52.5 | 52.9 | | |
| | | Pattern Step 05 | 136 | 137 | 53.3 | 53.7 | | |
| | | Pattern Step 06 | 138 | 139 | 54.1 | 54.5 | | |
| | | Pattern Step 07 | 140 | 141 | 54.9 | 55.3 | | |
| | | Pattern Step 08 | 142 | 143 | 55.7 | 56.1 | | |
| | | Pattern Step 09 | 144 | 145 | 56.5 | 56.9 | | |
| | | Pattern Step 10 | 146 | 147 | 57.3 | 57.6 | | |
| | | Pattern Step 11 | 148 | 149 | 58.0 | 58.4 | | |
| | | Pattern Step 12 | 150 | 151 | 58.8 | 59.2 | | |
| | | Pattern Step 13 | 152 | 153 | 59.6 | 60.0 | | |
| | | Pattern Step 14 | 154 | 155 | 60.4 | 60.8 | | |
| | | Pattern Step 15 | 156 | 157 | 61.2 | 61.6 | | |
| | | Pattern Step 16 | 158 | 159 | 62.0 | 62.4 | | |
| | | Pattern Step 17 | 160 | 161 | 62.7 | 63.1 | | |
| | | Pattern Step 18 | 162 | 163 | 63.5 | 63.9 | | |
| | | Pattern Step 19 | 164 | 165 | 64.3 | 64.7 | | |
| | | Pattern Step 20 | 166 | 167 | 65.1 | 65.5 | | |
| | | Pattern Step 21 | 168 | 169 | 65.9 | 66.3 | | |
| | | Pattern Step 22 | 170 | 171 | 66.7 | 67.1 | | |
| | | Pattern Step 23 | 172 | 173 | 67.5 | 67.8 | | |
| | | Pattern Step 24 | 174 | 175 | 68.2 | 68.6 | | |
| | | Pattern Step 25 | 176 | 177 | 69.0 | 69.4 | | |
| | | Pattern Step 26 | 178 | 179 | 69.8 | 70.2 | | |
| | | Pattern Step 27 | 180 | 181 | 70.6 | 71.0 | | |
| | | Pattern Step 28 | 182 | 183 | 71.4 | 71.8 | | |
| | | Pattern Step 29 | 184 | 185 | 72.2 | 72.5 | | |
| | | Pattern Step 30 | 186 | 187 | 72.9 | 73.3 | | |
| Pattern Step 31 | 188 | 189 | 73.7 | 74.1 | | | | |
| Pattern Step 32 | 190 | 191 | 74.5 | 74.9 | | | | |
| Pattern Step 33 | 192 | 193 | 75.3 | 75.7 | | | | |
| Pattern Step 34 | 194 | 195 | 76.1 | 76.5 | | | | |

Sub Module: second layer control (continued)

| | | | | | | | | |
|--------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------|-------|------|-------|---|------|
| 26 ctd. | Pattern step / speed continued | Pattern Step 35 | 196 | 197 | 76.9 | 77.3 | 0 | Snap |
| | | Pattern Step 36 | 198 | 199 | 77.6 | 78.0 | | |
| | | Pattern Step 37 | 200 | 201 | 78.4 | 78.8 | | |
| | | Pattern Step 41 | 208 | 209 | 81.6 | 82.0 | | |
| | | Pattern Step 42 | 210 | 211 | 82.4 | 82.7 | | |
| | | Pattern Step 43 | 212 | 213 | 83.1 | 83.5 | | |
| | | Pattern Step 41 | 208 | 209 | 81.6 | 82.0 | | |
| | | Pattern Step 42 | 210 | 211 | 82.4 | 82.7 | | |
| | | Pattern Step 43 | 212 | 213 | 83.1 | 83.5 | | |
| | | Pattern Step 44 | 214 | 215 | 83.9 | 84.3 | | |
| | | Pattern Step 45 | 216 | 217 | 84.7 | 85.1 | | |
| | | Pattern Step 46 | 218 | 219 | 85.5 | 85.9 | | |
| | | Pattern Step 47 | 220 | 221 | 86.3 | 86.7 | | |
| | | Pattern Step 48 | 222 | 223 | 87.1 | 87.5 | | |
| | | Pattern Step 49 | 224 | 225 | 87.8 | 88.2 | | |
| | | Pattern Step 50 | 226 | 227 | 88.6 | 89.0 | | |
| | | Pattern Step 51 | 228 | 229 | 89.4 | 89.8 | | |
| | | Pattern Step 52 | 230 | 231 | 90.2 | 90.6 | | |
| | | Pattern Step 53 | 232 | 233 | 91.0 | 91.4 | | |
| | | Pattern Step 54 | 234 | 235 | 91.8 | 92.2 | | |
| | | Pattern Step 55 | 236 | 237 | 92.5 | 92.9 | | |
| | | Pattern Step 56 | 238 | 239 | 93.3 | 93.7 | | |
| | | Pattern Step 57 | 240 | 241 | 94.1 | 94.5 | | |
| | | Pattern Step 58 | 242 | 243 | 94.9 | 95.3 | | |
| Pattern Step 59 | 244 | 245 | 95.7 | 96.1 | | | | |
| Pattern Step 60 | 246 | 247 | 96.5 | 96.9 | | | | |
| Pattern Step 61 | 248 | 249 | 97.3 | 97.6 | | | | |
| Pattern Step 62 | 250 | 251 | 98.0 | 98.4 | | | | |
| Pattern Step 63 | 252 | 253 | 98.8 | 99.2 | | | | |
| Pattern Step 64 | 254 | 255 | 99.6 | 100.0 | | | | |
| 27 | Pattern step crossfading (from one step to next) | Off (no crossfading, Snap) | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Crossfading: Snap → min. Xfade → max. Xfade (fade in and fade out times are identical) | 10 | 127 | 3.9 | 49.8 | | Fade |
| | | Off (no crossfading, snap) | 128 | 137 | 50.2 | 53.7 | | Snap |
| | | Crossfading with tail: Snap → min. Xfade with tail → max. Xfade with tail (fade in time is shorter than fade out time) | 138 | 255 | 54.1 | 100 | | Fade |
| 28 | Pattern transition (from one pattern to next) | Off (snap from one pattern to next) | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Normal transition (snap → fade 5s) | 10 | 63 | 3.9 | 24.7 | | Fade |
| | | Off (snap from one pattern to next) | 64 | 73 | 25.1 | 28.6 | | Snap |
| | | FOB (Fade Over Blackout) transition (snap → fade 5s) | 74 | 127 | 29.0 | 49.8 | | Fade |
| | | Off (snap from one pattern to next) | 128 | 137 | 50.2 | 53.7 | | Snap |
| | | FOF (Fade Over Full) transition (snap → fade 5s) | 138 | 191 | 54.1 | 74.9 | | Fade |
| | | No function | 192 | 255 | 75.3 | 100.0 | | |

Sub Module: second layer control (continued)

| | | | | | | | | |
|-----------|-----------------------------|-------------------------------|-----|-----|-----|------|---|------|
| 29 | Fixture total number | Off | 0 | 0 | 0 | 0 | 0 | Snap |
| | | 1 fixture in total | 1 | 1 | 0.4 | 0.4 | | |
| | | 2 fixtures in total | 2 | 2 | 0.8 | 0.8 | | |
| | | 3...254 fixtures in total | 3 | 254 | 1.2 | 99.6 | | |
| | | 255 fixtures in total | 255 | 255 | 100 | 100 | | |
| 30 | Fixture position | Off | 0 | 0 | 0 | 0 | 0 | Snap |
| | | Fixture in position 1 | 1 | 1 | 0.4 | 0.4 | | |
| | | Fixture in position 2 | 2 | 2 | 0.8 | 0.8 | | |
| | | Fixture in position 3 ... 254 | 3 | 254 | 1.2 | 99.6 | | |
| | | Fixture in position 255 | 255 | 255 | 100 | 100 | | |
| 31 | Red, pixel 01-03 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 32 | Green, pixel 01-03 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 33 | Blue, pixel 01-03 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 34 | Red, pixel 04-06 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 35 | Green, pixel 04-06 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 36 | Blue, pixel 04-06 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 37 | Red, pixel 07-09 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 38 | Green, pixel 07-09 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 39 | Blue, pixel 07-09 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 40 | Red, pixel 10-12 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 41 | Green, pixel 10-12 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 42 | Blue, pixel 10-12 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 43 | Red, pixel 13-15 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 44 | Green, pixel 13-15 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 45 | Blue, pixel 13-15 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 46 | Red, pixel 16-18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 47 | Green, pixel 16-18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 48 | Blue, pixel 16-18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |

DMX Mode 4: MultiPix Advanced

84 DMX Channels

| Channel | Command | DMX range | Percent | Default DMX | Fade | | | | |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------|-------------|------|------|-------|------|------|
| Main Module: basic control | | | | | | | | | |
| 1 | Tilt coarse | Tilt back → front | 0 | 65535 | 0 | 100 | 32768 | Fade | |
| 2 | Tilt fine | | | | | | | | |
| 3 | Intensity coarse | Intensity 0 → 100% | 0 | 65535 | 0 | 100 | 32768 | Fade | |
| 4 | Intensity fine | | | | | | | | |
| 5 | Shutter | Closed | 0 | 4 | 0 | 1.6 | 255 | Snap | |
| | | Single flash each time value is changed within range 005 → 009 | 5 | 9 | 2.0 | 3.5 | | | |
| | | Pulse slow → fast | 10 | 39 | 3.9 | 15.3 | | | |
| | | Opening pulse slow → fast | 40 | 69 | 15.7 | 27.1 | | Fade | |
| | | Closing pulse slow → fast | 70 | 99 | 27.5 | 38.8 | | | |
| | | Double flash slow → fast | 100 | 129 | 39.2 | 50.6 | | | |
| | | Random pixel strobe slow → fast | 130 | 159 | 51.0 | 62.4 | | | |
| | | Random all strobe slow → fast | 160 | 199 | 62.7 | 78.0 | | | |
| | | Strobe sync all pixels slow → fast | 200 | 250 | 78.4 | 98.0 | | Snap | |
| Open | 251 | 255 | 98.4 | 100 | | | | | |
| 6 | Zoom | Zoom narrow → wide | 0 | 255 | 0 | 100 | 0 | Fade | |
| 7 | Control/Settings | See 'Control / Settings channel' on page 45 | | | | | | | |
| 8 | RGB / RGBL / x,y color control (see also 'Key to conversion of x and y coordinates' on page 4747) | [1] RGB - Red coarse [2] RGBL - Red coarse [3] x;y - x coarse | 0 | 65535 | 0 | 100 | 65535 | Fade | |
| 9 | | [1] RGB - Red fine [2] RGBL - Red fine [3] x;y - x fine | | | | | | | |
| 10 | | [1] RGB - Green coarse [2] RGBL - Green coarse [3] x;y - y coarse | 0 | 65535 | 0 | 100 | 65535 | Fade | |
| 11 | | [1] RGB - Green fine [2] RGBL - Green fine [3] x;y - y fine | | | | | | | |
| 12 | | [1] RGB - Blue coarse [2] RGBL - Blue coarse [3] x;y - <i>not used</i> | | | | | | | |
| 13 | | [1] RGB - Blue fine [2] RGBL - Blue fine [3] x;y - <i>not used</i> | 0 | 65535 | 0 | 100 | 65535 | Fade | |
| 14 | | [1] RGB - <i>not used</i> [2] RGBL - Lime coarse [3] x;y - <i>not used</i> | | | | | | | |
| 15 | | [1] RGB - <i>not used</i> [2] RGBL - Lime fine [3] x;y - <i>not used</i> | | | | | | | |
| 16 | | Color wheel (see also 'Color wheel specifications' on page 48) | Open | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | | Filter 004 (Medium Bastard Amber) | 10 | 12 | 3.9 | 4.7 | | |
| | | | Filter 019 (Fire) | 13 | 15 | 5.1 | 5.9 | | |
| | | | Filter 025 (Sunset Red) | 16 | 18 | 6.3 | 7.1 | | |
| | | | Filter 026 (Bright Red) | 19 | 21 | 7.5 | 8.2 | | |
| | | | Filter 036 (Medium Pink) | 22 | 24 | 8.6 | 9.4 | | |
| | | | Filter 049 (Medium Purple) | 25 | 27 | 9.8 | 10.6 | | |
| | Filter 058 (Lavender) | | 28 | 30 | 11.0 | 11.8 | | | |
| | Filter 068 (Sky Blue) | | 31 | 33 | 12.2 | 12.9 | | | |
| | Filter 088 (Lime Green) | | 34 | 36 | 13.3 | 14.1 | | | |

Main Module: basic control (continued)

| | | | | | | | | |
|--------------------------------------|------------------------------------|----------------------------------|------|------|------|------|---|------|
| 16 ctd. | Color wheel (continued) | Filter 089 (Moss Green) | 37 | 39 | 14.5 | 15.3 | 0 | Snap |
| | | Filter 090 (Dark Yellow Green) | 40 | 42 | 15.7 | 16.5 | | |
| | | Filter 102 (Light Amber) | 43 | 45 | 16.9 | 17.6 | | |
| | | Filter 103 (Straw) | 46 | 48 | 18.0 | 18.8 | | |
| | | Filter 106 (Primary Red) | 49 | 51 | 19.2 | 20.0 | | |
| | | Filter 111 (Dark Pink) | 52 | 54 | 20.4 | 21.2 | | |
| | | Filter 115 (Peacock Blue) | 55 | 57 | 21.6 | 22.4 | | |
| | | Filter 117 (Steel Blue) | 58 | 60 | 22.7 | 23.5 | | |
| | | Filter 118 (Light Blue) | 61 | 63 | 23.9 | 24.7 | | |
| | | Filter 121 (Filter Green) | 64 | 66 | 25.1 | 25.9 | | |
| | | Filter 122 (Fern Green) | 67 | 69 | 26.3 | 27.1 | | |
| | | Filter 124 (Dark Green) | 70 | 72 | 27.5 | 28.2 | | |
| | | Filter 126 (Mauve) | 73 | 75 | 28.6 | 29.4 | | |
| | | Filter 128 (Bright Pink) | 76 | 78 | 29.8 | 30.6 | | |
| | | Filter 131 (Marine Blue) | 79 | 81 | 31.0 | 31.8 | | |
| | | Filter 132 (Medium Blue) | 82 | 84 | 32.2 | 32.9 | | |
| | | Filter 134 (Golden Amber) | 85 | 87 | 33.3 | 34.1 | | |
| | | Filter 135 (Deep Golden Amber) | 88 | 90 | 34.5 | 35.3 | | |
| | | Filter 136 (Pale Lavender) | 91 | 93 | 35.7 | 36.5 | | |
| | | Filter 137 (Special Lavender) | 94 | 96 | 36.9 | 37.6 | | |
| | | Filter 138 (Pale Green) | 97 | 99 | 38.0 | 38.8 | | |
| | | Filter 140 (Summer Blue) | 100 | 102 | 39.2 | 40.0 | | |
| | | Filter 141 (Bright Blue) | 103 | 105 | 40.4 | 41.2 | | |
| | | Filter 143 (Pale Navy Blue) | 106 | 108 | 41.6 | 42.4 | | |
| | | Filter 147 (Apricot) | 109 | 111 | 42.7 | 43.5 | | |
| | | Filter 148 (Bright Rose) | 112 | 114 | 43.9 | 44.7 | | |
| | | Filter 152 (Pale Gold) | 115 | 117 | 45.1 | 45.9 | | |
| | | Filter 154 (Pale Rose) | 118 | 120 | 46.3 | 47.1 | | |
| | | Filter 157 (Pink) | 121 | 123 | 47.5 | 48.2 | | |
| | | Filter 162 (Bastard Amber) | 124 | 126 | 48.6 | 49.4 | | |
| | | Filter 164 (Flame Red) | 127 | 129 | 49.8 | 50.6 | | |
| | | Filter 165 (Daylight Blue) | 130 | 132 | 51.0 | 51.8 | | |
| | | Filter 169 (Lilac Tint) | 133 | 135 | 52.2 | 52.9 | | |
| | | Filter 170 (Deep Lavender) | 136 | 138 | 53.3 | 54.1 | | |
| | | Filter 172 (Lagoon Blue) | 139 | 141 | 54.5 | 55.3 | | |
| | | Filter 180 (Dark Lavender) | 142 | 144 | 55.7 | 56.5 | | |
| | | Filter 182 (Light Red) | 145 | 147 | 56.9 | 57.6 | | |
| | | Filter 194 (Surprise Pink) | 148 | 150 | 58.0 | 58.8 | | |
| | | Filter 197 (Alice Blue) | 151 | 153 | 59.2 | 60.0 | | |
| | | Filter 201 (Full C.T. Blue) | 154 | 156 | 60.4 | 61.2 | | |
| | | Filter 202 (Half C.T. Blue) | 157 | 159 | 61.6 | 62.4 | | |
| | | Filter 203 (Quarter C.T. Blue) | 160 | 162 | 62.7 | 63.5 | | |
| | | Filter 204 (Full C.T. Orange) | 163 | 165 | 63.9 | 64.7 | | |
| | | Filter 206 (Quarter C.T. Orange) | 166 | 168 | 65.1 | 65.9 | | |
| Filter 219 (Fluorescent Green) | 169 | 171 | 66.3 | 67.1 | | | | |
| Filter 247 (Filter Minus Green) | 172 | 174 | 67.5 | 68.2 | | | | |
| Filter 248 (Half Minus Green) | 175 | 177 | 68.6 | 69.4 | | | | |
| Filter 281 (Three Quarter C.T. Blue) | 178 | 180 | 69.8 | 70.6 | | | | |
| Filter 285 (Three Qtr. C.T. Orange) | 181 | 183 | 71.0 | 71.8 | | | | |
| Filter 352 (Glacier Blue) | 184 | 186 | 72.2 | 72.9 | | | | |
| Filter 353 (Lighter Blue) | 187 | 189 | 73.3 | 74.1 | | | | |
| Filter 507 (Madge) | 190 | 192 | 74.5 | 75.3 | | | | |
| Filter 778 (Millennium Gold) | 193 | 195 | 75.7 | 76.5 | | | | |
| Filter 793 (Vanity Fair) | 196 | 198 | 76.9 | 77.6 | | | | |
| Filter 798 (Chrysalis Pink) | 199 | 201 | 78.0 | 78.8 | | | | |

Main Module: basic control (continued)

| | | | | | | | | |
|------------|---------------------------------------------------|--------------------------------------------------------------------------------------|-----|-----|------|------|---|------|
| 16 ctd. | Color wheel (continued) | HSI scroll, stop at first color | 202 | 204 | 79.2 | 80.0 | 0 | Snap |
| | | HSI scroll slow → fast | 205 | 252 | 80.4 | 98.8 | | Fade |
| | | HSI scroll, stop at current color | 253 | 255 | 99.2 | 100 | | Snap |
| 17 | Color Temperature Control | Open | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Fade through color temperatures of 10 000 K to 2500 K stepless (interpolation) | 10 | 255 | 4.3 | 100 | | Fade |
| 18 | CQC (Color Quality Control) / Saturation | HQ (high quality), saturated color | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Crossfade, saturated to unsaturated color | 10 | 117 | 3.9 | 45.9 | | Fade |
| | | HQ (high quality), unsaturated color | 118 | 127 | 46.3 | 49.8 | | Snap |
| | | HO (high output), unsaturated color | 128 | 137 | 50.2 | 53.7 | | Fade |
| | | Crossfade, unsaturated to saturated color | 138 | 245 | 54.1 | 96.1 | | Fade |
| | | HO (high output), saturated color | 246 | 255 | 96.5 | 100 | | Snap |
| 19 | M/G shift | Off (no correction) | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Full plus magenta +100% | 10 | 10 | 3.9 | 3.9 | | Fade |
| | | Plus magenta +99% → +1% | 11 | 124 | 4.3 | 48.6 | | Snap |
| | | Neutral / no correction | 125 | 140 | 49.0 | 54.9 | | Fade |
| | | Plus green +1% → +99% | 141 | 254 | 55.3 | 99.6 | | Fade |
| | | Full plus green +100% | 255 | 255 | 100 | 100 | | Snap |
| 20 | Tungsten effect | Off | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Tungsten ACL 250W/28V | 10 | 19 | 3.9 | 7.5 | | |
| | | Tungsten Blinder 650W/120V | 20 | 29 | 7.8 | 11.4 | | |
| | | Tungsten 750W/80V | 30 | 39 | 11.8 | 15.3 | | |
| | | Tungsten 1000W/240V | 40 | 49 | 15.7 | 19.2 | | |
| | | Tungsten 1200W/240V | 50 | 59 | 19.6 | 23.1 | | |
| | | Tungsten 2000W/230V | 60 | 69 | 23.5 | 27.1 | | |
| | | Tungsten 2500W/230V | 70 | 79 | 27.5 | 31.0 | | |
| | | Tungsten 5000W/230V | 80 | 89 | 31.4 | 34.9 | | |
| | | No function (off) | 90 | 120 | 35.3 | 47.1 | | |
| | | Off | 120 | 139 | 47.1 | 54.5 | | |
| | | FX Tungsten ACL 250W/28V | 140 | 149 | 54.9 | 58.4 | | |
| | | FX Tungsten Blinder 650W/120V | 150 | 159 | 58.8 | 62.4 | | |
| | | FX Tungsten 750W/80V | 160 | 169 | 62.7 | 66.3 | | |
| | | FX Tungsten 1000W/240V | 170 | 179 | 66.7 | 70.2 | | |
| | | FX Tungsten 1200W/240V | 180 | 189 | 70.6 | 74.1 | | |
| | | FX Tungsten 2000W/230V | 190 | 199 | 74.5 | 78.0 | | |
| | | FX Tungsten 2500W/230V | 200 | 209 | 78.4 | 82.0 | | |
| | | FX Tungsten 5000W/230V | 210 | 219 | 82.4 | 85.9 | | |
| | | No function (off) | 220 | 255 | 86.3 | 100 | | |

Main Module: basic control (continued)

| | | | | | | | | |
|-----------------|---------------------|----------------------------------------------------------------------------------------|------|-----|------|------|---|------|
| 21 | Mix priority | Main Module and Sub Module HTP (highest value takes priority) | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Main only (Main Module color takes priority) | 10 | 19 | 3.9 | 7.5 | | |
| | | Sub only (Sub Module color takes priority) | 20 | 29 | 7.8 | 11.4 | | |
| | | Main and Sub additive (Sub Module color value added to Main Module color value) | 30 | 39 | 11.8 | 15.3 | | |
| | | Main minus Sub Module subtractive (Sub Module color value subtracted from Main) | 40 | 49 | 15.7 | 19.2 | | |
| | | Sub Module minus main subtractive (Main Module color value subtracted from Sub Module) | 50 | 59 | 19.6 | 23.1 | | Snap |
| | | TrueColor 1: Main over Sub – snap | 60 | 69 | 23.5 | 27.1 | | |
| | | TrueColor 2: Sub over Main – snap | 70 | 79 | 27.5 | 31.0 | | Fade |
| | | TrueColor 3: Main over Sub – crossfade | 80 | 89 | 31.4 | 34.9 | | |
| | | TrueColor 4: Sub over Main – crossfade | 90 | 99 | 35.3 | 38.8 | | |
| | | No function | 100 | 127 | 39.2 | 49.8 | | |
| | | Main Module only | 128 | 130 | 50.2 | 51.0 | | Snap |
| | | Crossfading Main → HTP | 131 | 190 | 51.4 | 74.5 | | Fade |
| | | Main and Sub Modules (HTP) | 191 | 192 | 74.9 | 75.3 | | Snap |
| | | Crossfading HTP → Sub | 193 | 252 | 75.7 | 98.8 | | Fade |
| Sub Module only | 253 | 255 | 99.2 | 100 | Snap | | | |

Sub Module: second layer control

| | | | | | | | | |
|-----------|--------------------------|----------------------------------------------------------|------|-------|------|------|---|------|
| 22 | Intensity coarse | Intensity 0 → 100% | 0 | 65535 | 0 | 100 | 0 | Fade |
| 23 | Intensity fine | | | | | | | |
| 24 | Shutter | Closed | 0 | 4 | 0 | 1.6 | 0 | Snap |
| | | Single flash if value changed within the range 005 → 009 | 5 | 9 | 2.0 | 3.5 | | Fade |
| | | Pulse slow → fast | 10 | 39 | 3.9 | 15.3 | | Fade |
| | | Pulse opening slow → fast | 40 | 69 | 15.7 | 27.1 | | |
| | | Pulse closing slow → fast | 70 | 99 | 27.5 | 38.8 | | |
| | | Double flash slow → fast | 100 | 129 | 39.2 | 50.6 | | |
| | | Strobe random pixel slow → fast | 130 | 159 | 51.0 | 62.4 | | |
| | | Strobe random all slow → fast | 160 | 199 | 62.7 | 78.0 | | |
| | | Strobe sync all pixel slow → fast | 200 | 250 | 78.4 | 98.0 | | |
| Open | 251 | 255 | 98.4 | 100 | Snap | | | |
| 25 | Pattern selection | Off (all pixels active) | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Static Pattern 01 | 10 | 11 | 3.9 | 4.3 | | |
| | | Static Pattern 02 | 12 | 13 | 4.7 | 5.1 | | |
| | | Static Pattern 03 | 14 | 15 | 5.5 | 5.9 | | |
| | | Static Pattern 04 | 16 | 17 | 6.3 | 6.7 | | |
| | | Static Pattern 05 | 18 | 19 | 7.1 | 7.5 | | |
| | | Static Pattern 06 | 20 | 21 | 7.8 | 8.2 | | |
| | | Static Pattern 07 | 22 | 23 | 8.6 | 9.0 | | |
| | | Static Pattern 08 | 24 | 25 | 9.4 | 9.8 | | |
| | | Static Pattern 09 | 26 | 27 | 10.2 | 10.6 | | |
| | | Static Pattern 10 | 28 | 29 | 11.0 | 11.4 | | |
| | | Static Pattern 11 | 30 | 31 | 11.8 | 12.2 | | |
| | | Static Pattern 12 | 32 | 33 | 12.5 | 12.9 | | |
| | | Static Pattern 13 | 34 | 35 | 13.3 | 13.7 | | |

Sub Module: second layer control (continued)

| | | | | | | | | |
|------------|-------------------------------------|--------------------|-----|-----|------|------|---|------|
| 25 ctd. | Pattern selection (continued) | Static Pattern 14 | 36 | 37 | 14.1 | 14.5 | 0 | Snap |
| | | Static Pattern 15 | 38 | 39 | 14.9 | 15.3 | | |
| | | Static Pattern 16 | 40 | 41 | 15.7 | 16.1 | | |
| | | Static Pattern 17 | 52 | 43 | 20.4 | 16.9 | | |
| | | Static Pattern 18 | 44 | 45 | 17.3 | 17.6 | | |
| | | Static Pattern 19 | 46 | 47 | 18.0 | 18.4 | | |
| | | Static Pattern 20 | 48 | 49 | 18.8 | 19.2 | | |
| | | Static Pattern 21 | 50 | 51 | 19.6 | 20.0 | | |
| | | Static Pattern 22 | 52 | 53 | 20.4 | 20.8 | | |
| | | Static Pattern 23 | 54 | 55 | 21.2 | 21.6 | | |
| | | Static Pattern 24 | 56 | 57 | 22.0 | 22.4 | | |
| | | Static Pattern 25 | 58 | 59 | 22.7 | 23.1 | | |
| | | Static Pattern 26 | 60 | 61 | 23.5 | 23.9 | | |
| | | Static Pattern 27 | 62 | 63 | 24.3 | 24.7 | | |
| | | Static Pattern 28 | 64 | 65 | 25.1 | 25.5 | | |
| | | Static Pattern 29 | 66 | 67 | 25.9 | 26.3 | | |
| | | Static Pattern 30 | 68 | 69 | 26.7 | 27.1 | | |
| | | Static Pattern 31 | 70 | 71 | 27.5 | 27.8 | | |
| | | Static Pattern 32 | 72 | 73 | 28.2 | 28.6 | | |
| | | Static Pattern 33 | 74 | 75 | 29.0 | 29.4 | | |
| | | Static Pattern 34 | 76 | 77 | 29.8 | 30.2 | | |
| | | Static Pattern 35 | 78 | 79 | 30.6 | 31.0 | | |
| | | Static Pattern 36 | 80 | 81 | 31.4 | 31.8 | | |
| | | Static Pattern 37 | 82 | 83 | 32.2 | 32.5 | | |
| | | Static Pattern 38 | 84 | 85 | 32.9 | 33.3 | | |
| | | Static Pattern 39 | 86 | 87 | 33.7 | 34.1 | | |
| | | Static Pattern 40 | 88 | 89 | 34.5 | 34.9 | | |
| | | Static Pattern 41 | 90 | 91 | 35.3 | 35.7 | | |
| | | Static Pattern 42 | 92 | 93 | 36.1 | 36.5 | | |
| | | Static Pattern 43 | 94 | 95 | 36.9 | 37.3 | | |
| | | Static Pattern 44 | 96 | 97 | 37.6 | 38.0 | | |
| | | Static Pattern 45 | 98 | 99 | 38.4 | 38.8 | | |
| | | Static Pattern 46 | 100 | 101 | 39.2 | 39.6 | | |
| | | Static Pattern 47 | 102 | 103 | 40.0 | 40.4 | | |
| | | Static Pattern 48 | 104 | 105 | 40.8 | 41.2 | | |
| | | Static Pattern 49 | 106 | 107 | 41.6 | 42.0 | | |
| | | Static Pattern 50 | 108 | 109 | 42.4 | 42.7 | | |
| | | Static Pattern 51 | 110 | 111 | 43.1 | 43.5 | | |
| | | Static Pattern 52 | 112 | 113 | 43.9 | 44.3 | | |
| | | Static Pattern 53 | 114 | 115 | 44.7 | 45.1 | | |
| | | Static Pattern 54 | 116 | 117 | 45.5 | 45.9 | | |
| | | Static Pattern 55 | 118 | 119 | 46.3 | 46.7 | | |
| | | Static Pattern 56 | 120 | 121 | 47.1 | 47.5 | | |
| | | Static Pattern 57 | 122 | 123 | 47.8 | 48.2 | | |
| | | Static Pattern 58 | 124 | 125 | 48.6 | 49.0 | | |
| | | Static Pattern 59 | 126 | 127 | 49.4 | 49.8 | | |
| | | Dynamic Pattern 01 | 128 | 129 | 50.2 | 50.6 | | |
| | | Dynamic Pattern 02 | 130 | 131 | 51.0 | 51.4 | | |
| | | Dynamic Pattern 03 | 132 | 133 | 51.8 | 52.2 | | |
| | | Dynamic Pattern 04 | 134 | 135 | 52.5 | 52.9 | | |
| | | Dynamic Pattern 05 | 136 | 137 | 53.3 | 53.7 | | |
| | | Dynamic Pattern 06 | 138 | 139 | 54.1 | 54.5 | | |
| | | Dynamic Pattern 07 | 140 | 141 | 54.9 | 55.3 | | |
| | | Dynamic Pattern 08 | 142 | 143 | 55.7 | 56.1 | | |
| | | Dynamic Pattern 09 | 144 | 145 | 56.5 | 56.9 | | |
| | | Dynamic Pattern 10 | 146 | 147 | 57.3 | 57.6 | | |

Sub Module: second layer control (continued)

| | | | | | | | | |
|--------------------|----------------------------------------------|--------------------|------|------|------|------|---|------|
| 25 Ctd. | Pattern selection (continued) | Dynamic Pattern 11 | 148 | 149 | 58.0 | 58.4 | 0 | Snap |
| | | Dynamic Pattern 12 | 150 | 151 | 58.8 | 59.2 | | |
| | | Dynamic Pattern 13 | 152 | 153 | 59.6 | 60.0 | | |
| | | Dynamic Pattern 14 | 154 | 155 | 60.4 | 60.8 | | |
| | | Dynamic Pattern 15 | 156 | 157 | 61.2 | 61.6 | | |
| | | Dynamic Pattern 16 | 158 | 159 | 62.0 | 62.4 | | |
| | | Dynamic Pattern 17 | 160 | 161 | 62.7 | 63.1 | | |
| | | Dynamic Pattern 18 | 162 | 163 | 63.5 | 63.9 | | |
| | | Dynamic Pattern 19 | 164 | 165 | 64.3 | 64.7 | | |
| | | Dynamic Pattern 20 | 166 | 167 | 65.1 | 65.5 | | |
| | | Dynamic Pattern 21 | 168 | 169 | 65.9 | 66.3 | | |
| | | Dynamic Pattern 22 | 170 | 171 | 66.7 | 67.1 | | |
| | | Dynamic Pattern 23 | 172 | 173 | 67.5 | 67.8 | | |
| | | Dynamic Pattern 24 | 174 | 175 | 68.2 | 68.6 | | |
| | | Dynamic Pattern 25 | 176 | 177 | 69.0 | 69.4 | | |
| | | Dynamic Pattern 26 | 178 | 179 | 69.8 | 70.2 | | |
| | | Dynamic Pattern 27 | 180 | 181 | 70.6 | 71.0 | | |
| | | Dynamic Pattern 28 | 182 | 183 | 71.4 | 71.8 | | |
| | | Dynamic Pattern 29 | 184 | 185 | 72.2 | 72.5 | | |
| | | Dynamic Pattern 30 | 186 | 187 | 72.9 | 73.3 | | |
| | | Dynamic Pattern 31 | 188 | 189 | 73.7 | 74.1 | | |
| | | Dynamic Pattern 32 | 190 | 191 | 74.5 | 74.9 | | |
| | | Dynamic Pattern 33 | 192 | 193 | 75.3 | 75.7 | | |
| | | Dynamic Pattern 34 | 194 | 195 | 76.1 | 76.5 | | |
| | | Dynamic Pattern 35 | 196 | 197 | 76.9 | 77.3 | | |
| | | Dynamic Pattern 36 | 198 | 199 | 77.6 | 78.0 | | |
| | | Dynamic Pattern 37 | 200 | 201 | 78.4 | 78.8 | | |
| | | Dynamic Pattern 38 | 202 | 203 | 79.2 | 79.6 | | |
| | | Dynamic Pattern 39 | 204 | 205 | 80.0 | 80.4 | | |
| | | Dynamic Pattern 40 | 206 | 207 | 80.8 | 81.2 | | |
| | | Dynamic Pattern 41 | 208 | 209 | 81.6 | 82.0 | | |
| | | Dynamic Pattern 42 | 210 | 211 | 82.4 | 82.7 | | |
| | | Dynamic Pattern 43 | 212 | 213 | 83.1 | 83.5 | | |
| | | Dynamic Pattern 44 | 214 | 215 | 83.9 | 84.3 | | |
| | | Dynamic Pattern 45 | 216 | 217 | 84.7 | 85.1 | | |
| | | Dynamic Pattern 46 | 218 | 219 | 85.5 | 85.9 | | |
| | | Dynamic Pattern 47 | 220 | 221 | 86.3 | 86.7 | | |
| | | Dynamic Pattern 48 | 222 | 223 | 87.1 | 87.5 | | |
| | | Dynamic Pattern 49 | 224 | 225 | 87.8 | 88.2 | | |
| | | Dynamic Pattern 50 | 226 | 227 | 88.6 | 89.0 | | |
| | | Special Pattern 01 | 228 | 229 | 89.4 | 89.8 | | |
| | | Special Pattern 02 | 230 | 231 | 90.2 | 90.6 | | |
| | | Special Pattern 03 | 232 | 233 | 91.0 | 91.4 | | |
| | | Special Pattern 04 | 234 | 235 | 91.8 | 92.2 | | |
| | | Special Pattern 05 | 236 | 237 | 92.5 | 92.9 | | |
| | | Special Pattern 06 | 238 | 239 | 93.3 | 93.7 | | |
| | | Special Pattern 07 | 240 | 241 | 94.1 | 94.5 | | |
| | | Special Pattern 08 | 242 | 243 | 94.9 | 95.3 | | |
| | | Special Pattern 09 | 244 | 245 | 95.7 | 96.1 | | |
| | | Special Pattern 10 | 246 | 247 | 96.5 | 96.9 | | |
| Special Pattern 11 | 248 | 249 | 97.3 | 97.6 | | | | |
| Random Pixel | 250 | 255 | 98.0 | 100 | | | | |

Sub Module: second layer control (continued)

| | | | | | | | | |
|-----------------|----------------------|---------------------------------------------|------|------|------|------|---|------|
| 26 | Pattern step / speed | Stop (first pattern step) | 0 | 2 | 0.0 | 0.8 | 0 | Snap |
| | | CW fast → slow (run pattern step 1 → n) | 3 | 63 | 1.2 | 24.7 | | |
| | | Stop at current position | 64 | 66 | 25.1 | 25.9 | | |
| | | CCW slow → fast (run pattern step n → 1) | 67 | 127 | 26.3 | 49.8 | | |
| | | Pattern Step 01 | 128 | 129 | 50.2 | 50.6 | | |
| | | Pattern Step 02 | 130 | 131 | 51.0 | 51.4 | | |
| | | Pattern Step 03 | 132 | 133 | 51.8 | 52.2 | | |
| | | Pattern Step 04 | 134 | 135 | 52.5 | 52.9 | | |
| | | Pattern Step 05 | 136 | 137 | 53.3 | 53.7 | | |
| | | Pattern Step 06 | 138 | 139 | 54.1 | 54.5 | | |
| | | Pattern Step 07 | 140 | 141 | 54.9 | 55.3 | | |
| | | Pattern Step 08 | 142 | 143 | 55.7 | 56.1 | | |
| | | Pattern Step 09 | 144 | 145 | 56.5 | 56.9 | | |
| | | Pattern Step 10 | 146 | 147 | 57.3 | 57.6 | | |
| | | Pattern Step 11 | 148 | 149 | 58.0 | 58.4 | | |
| | | Pattern Step 12 | 150 | 151 | 58.8 | 59.2 | | |
| | | Pattern Step 13 | 152 | 153 | 59.6 | 60.0 | | |
| | | Pattern Step 14 | 154 | 155 | 60.4 | 60.8 | | |
| | | Pattern Step 15 | 156 | 157 | 61.2 | 61.6 | | |
| | | Pattern Step 16 | 158 | 159 | 62.0 | 62.4 | | |
| | | Pattern Step 17 | 160 | 161 | 62.7 | 63.1 | | |
| | | Pattern Step 18 | 162 | 163 | 63.5 | 63.9 | | |
| | | Pattern Step 19 | 164 | 165 | 64.3 | 64.7 | | |
| | | Pattern Step 20 | 166 | 167 | 65.1 | 65.5 | | |
| | | Pattern Step 21 | 168 | 169 | 65.9 | 66.3 | | |
| | | Pattern Step 22 | 170 | 171 | 66.7 | 67.1 | | |
| | | Pattern Step 23 | 172 | 173 | 67.5 | 67.8 | | |
| | | Pattern Step 24 | 174 | 175 | 68.2 | 68.6 | | |
| | | Pattern Step 25 | 176 | 177 | 69.0 | 69.4 | | |
| | | Pattern Step 26 | 178 | 179 | 69.8 | 70.2 | | |
| | | Pattern Step 27 | 180 | 181 | 70.6 | 71.0 | | |
| | | Pattern Step 28 | 182 | 183 | 71.4 | 71.8 | | |
| | | Pattern Step 29 | 184 | 185 | 72.2 | 72.5 | | |
| | | Pattern Step 30 | 186 | 187 | 72.9 | 73.3 | | |
| | | Pattern Step 31 | 188 | 189 | 73.7 | 74.1 | | |
| | | Pattern Step 32 | 190 | 191 | 74.5 | 74.9 | | |
| | | Pattern Step 33 | 192 | 193 | 75.3 | 75.7 | | |
| | | Pattern Step 34 | 194 | 195 | 76.1 | 76.5 | | |
| | | Pattern Step 35 | 196 | 197 | 76.9 | 77.3 | | |
| | | Pattern Step 36 | 198 | 199 | 77.6 | 78.0 | | |
| | | Pattern Step 37 | 200 | 201 | 78.4 | 78.8 | | |
| | | Pattern Step 41 | 208 | 209 | 81.6 | 82.0 | | |
| | | Pattern Step 42 | 210 | 211 | 82.4 | 82.7 | | |
| | | Pattern Step 43 | 212 | 213 | 83.1 | 83.5 | | |
| | | Pattern Step 41 | 208 | 209 | 81.6 | 82.0 | | |
| | | Pattern Step 42 | 210 | 211 | 82.4 | 82.7 | | |
| | | Pattern Step 43 | 212 | 213 | 83.1 | 83.5 | | |
| | | Pattern Step 44 | 214 | 215 | 83.9 | 84.3 | | |
| | | Pattern Step 45 | 216 | 217 | 84.7 | 85.1 | | |
| | | Pattern Step 46 | 218 | 219 | 85.5 | 85.9 | | |
| | | Pattern Step 47 | 220 | 221 | 86.3 | 86.7 | | |
| | | Pattern Step 48 | 222 | 223 | 87.1 | 87.5 | | |
| Pattern Step 49 | 224 | 225 | 87.8 | 88.2 | | | | |
| Pattern Step 50 | 226 | 227 | 88.6 | 89.0 | | | | |

Sub Module: second layer control (continued)

| | | | | | | | | |
|-------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----|-----|------|-------|---|------|
| 26 ctd. | Pattern step / speed continued | Pattern Step 51 | 228 | 229 | 89.4 | 89.8 | 0 | Snap |
| | | Pattern Step 52 | 230 | 231 | 90.2 | 90.6 | | |
| | | Pattern Step 53 | 232 | 233 | 91.0 | 91.4 | | |
| | | Pattern Step 54 | 234 | 235 | 91.8 | 92.2 | | |
| | | Pattern Step 55 | 236 | 237 | 92.5 | 92.9 | | |
| | | Pattern Step 56 | 238 | 239 | 93.3 | 93.7 | | |
| | | Pattern Step 57 | 240 | 241 | 94.1 | 94.5 | | |
| | | Pattern Step 58 | 242 | 243 | 94.9 | 95.3 | | |
| | | Pattern Step 59 | 244 | 245 | 95.7 | 96.1 | | |
| | | Pattern Step 60 | 246 | 247 | 96.5 | 96.9 | | |
| | | Pattern Step 61 | 248 | 249 | 97.3 | 97.6 | | |
| | | Pattern Step 62 | 250 | 251 | 98.0 | 98.4 | | |
| | | Pattern Step 63 | 252 | 253 | 98.8 | 99.2 | | |
| | | Pattern Step 64 | 254 | 255 | 99.6 | 100.0 | | |
| 27 | Pattern step crossfading (from one step to next) | Off (no crossfading, Snap) | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Crossfading: Snap → min. Xfade → max. Xfade (fade in and fade out times are identical) | 10 | 127 | 3.9 | 49.8 | | Fade |
| | | Off (no crossfading, Snap) | 128 | 137 | 50.2 | 53.7 | | Snap |
| | | Crossfading with tail: Snap → min. Xfade with tail → max. Xfade with tail (fade in time is shorter than fade out time) | 138 | 255 | 54.1 | 100 | | Fade |
| 28 | Pattern transition (from one pattern to next) | Off (snap from one pattern to next) | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Normal transition (snap → fade 5s) | 10 | 63 | 3.9 | 24.7 | | Fade |
| | | Off (snap from one pattern to next) | 64 | 73 | 25.1 | 28.6 | | Snap |
| | | FOB (Fade Over Blackout) transition (snap → fade 5s) | 74 | 127 | 29.0 | 49.8 | | Fade |
| | | Off (snap from one pattern to next) | 128 | 137 | 50.2 | 53.7 | | Snap |
| | | FOF (Fade Over Full) transition (snap → fade 5s) | 138 | 191 | 54.1 | 74.9 | | Fade |
| | | No function | 192 | 255 | 75.3 | 100.0 | | |
| 29 | Fixture total number | Off | 0 | 0 | 0 | 0 | 0 | Snap |
| | | 1 fixture in total | 1 | 1 | 0.4 | 0.4 | | |
| | | 2 fixtures in total | 2 | 2 | 0.8 | 0.8 | | |
| | | 3...254 fixtures in total | 3 | 254 | 1.2 | 99.6 | | |
| | | 255 fixtures in total | 255 | 255 | 100 | 100 | | |
| 30 | Fixture position | Off | 0 | 0 | 0 | 0 | 0 | Snap |
| | | Fixture in position 1 | 1 | 1 | 0.4 | 0.4 | | |
| | | Fixture in position 2 | 2 | 2 | 0.8 | 0.8 | | |
| | | Fixture in position 3 ... 254 | 3 | 254 | 1.2 | 99.6 | | |
| | | Fixture in position 255 | 255 | 255 | 100 | 100 | | |
| 31 | Red, pixel 01 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 32 | Green, pixel 01 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 33 | Blue, pixel 01 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 34 | Red, pixel 02 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 35 | Green, pixel 02 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 36 | Blue, pixel 02 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 37 | Red, pixel 03 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 38 | Green, pixel 03 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 39 | Blue, pixel 03 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 40 | Red, pixel 04 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |

Sub Module: second layer control (continued)

| | | | | | | | | |
|----|-----------------|--------------------|---|-----|---|-----|---|------|
| 41 | Green, pixel 04 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 42 | Blue, pixel 04 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 43 | Red, pixel 05 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 44 | Green, pixel 05 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 45 | Blue, pixel 05 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 46 | Red, pixel 06 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 47 | Green, pixel 06 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 48 | Blue, pixel 06 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 49 | Red, pixel 07 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 50 | Green, pixel 07 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 51 | Blue, pixel 07 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 52 | Red, pixel 08 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 53 | Green, pixel 08 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 54 | Blue, pixel 08 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 55 | Red, pixel 09 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 56 | Green, pixel 09 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 57 | Blue, pixel 09 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 58 | Red, pixel 10 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 59 | Green, pixel 10 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 60 | Blue, pixel 10 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 61 | Red, pixel 11 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 62 | Green, pixel 11 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 63 | Blue, pixel 11 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 64 | Red, pixel 12 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 65 | Green, pixel 12 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 66 | Blue, pixel 12 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 67 | Red, pixel 13 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 68 | Green, pixel 13 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 69 | Blue, pixel 13 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 70 | Red, pixel 14 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 71 | Green, pixel 14 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 72 | Blue, pixel 14 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 73 | Red, pixel 15 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 74 | Green, pixel 15 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 75 | Blue, pixel 15 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 76 | Red, pixel 16 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 77 | Green, pixel 16 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 78 | Blue, pixel 16 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 79 | Red, pixel 17 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 80 | Green, pixel 17 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 81 | Blue, pixel 17 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 82 | Red, pixel 18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 83 | Green, pixel 18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 84 | Blue, pixel 18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |

DMX Mode 5: MultiPix Compressed RGB

63 DMX Channels

| Channel | Command | DMX range | Percent | Default DMX | Fade | | | |
|-----------------------------------|------------------------------------------|---------------------------------------------------------------------------------|---------|-------------|------|------|-------|------|
| Main module: basic control | | | | | | | | |
| 1 | Tilt coarse | Tilt back → front | 0 | 65535 | 0 | 100 | 32768 | Fade |
| 2 | Tilt fine | | | | | | | |
| 3 | Intensity coarse | Intensity 0 → 100% | 0 | 65535 | 0 | 100 | 32768 | Fade |
| 4 | Intensity fine | | | | | | | |
| 5 | Shutter | Closed | 0 | 4 | 0 | 1.6 | 255 | Snap |
| | | Single flash each time value is changed within range 005 → 009 | 5 | 9 | 2.0 | 3.5 | | Snap |
| | | Pulse slow → fast | 10 | 39 | 3.9 | 15.3 | | Fade |
| | | Opening pulse slow → fast | 40 | 69 | 15.7 | 27.1 | | Fade |
| | | Closing pulse slow → fast | 70 | 99 | 27.5 | 38.8 | | Fade |
| | | Double flash slow → fast | 100 | 129 | 39.2 | 50.6 | | Fade |
| | | Random pixel strobe slow → fast | 130 | 159 | 51.0 | 62.4 | | Fade |
| | | Random all strobe slow → fast | 160 | 199 | 62.7 | 78.0 | | Fade |
| | | Strobe sync all pixels slow → fast | 200 | 250 | 78.4 | 98.0 | | Fade |
| Open | 251 | 255 | 98.4 | 100 | Snap | | | |
| 6 | Zoom | Zoom narrow → wide | 0 | 255 | 0 | 100 | 0 | Fade |
| 7 | Control/Settings | See 'Control / Settings channel' on page 45 | | | | | | |
| 8 | Color Temperature Control | Open | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Fade through color temperatures of 10 000 K to 2 500 K stepless (interpolation) | 10 | 255 | 4.3 | 100 | | Fade |
| 9 | CQC (Color Quality Control) / Saturation | HQ (high quality), saturated color | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Crossfade, saturated to unsaturated color | 10 | 117 | 3.9 | 45.9 | | Fade |
| | | HQ (high quality), unsaturated color | 118 | 127 | 46.3 | 49.8 | | Snap |
| | | HO (high output), unsaturated color | 128 | 137 | 50.2 | 53.7 | | Snap |
| | | Crossfade, unsaturated to saturated color | 138 | 245 | 54.1 | 96.1 | | Fade |
| | | HO (high output), saturated color | 246 | 255 | 96.5 | 100 | | Snap |
| 10 | Red, pixel 01 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 11 | Green, pixel 01 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 12 | Blue, pixel 01 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 13 | Red, pixel 02 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 14 | Green, pixel 02 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 15 | Blue, pixel 02 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 16 | Red, pixel 03 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 17 | Green, pixel 03 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 18 | Blue, pixel 03 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 19 | Red, pixel 04 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 20 | Green, pixel 04 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 21 | Blue, pixel 04 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 22 | Red, pixel 05 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 23 | Green, pixel 05 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 24 | Blue, pixel 05 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 25 | Red, pixel 06 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 26 | Green, pixel 06 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 27 | Blue, pixel 06 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |

Main module: basic control (continued)

| | | | | | | | | |
|----|-----------------|--------------------|---|-----|---|-----|---|------|
| 28 | Red, pixel 07 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 29 | Green, pixel 07 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 30 | Blue, pixel 07 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 31 | Red, pixel 08 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 32 | Green, pixel 08 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 33 | Blue, pixel 08 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 34 | Red, pixel 09 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 35 | Green, pixel 09 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 36 | Blue, pixel 09 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 37 | Red, pixel 10 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 38 | Green, pixel 10 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 39 | Blue, pixel 10 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 40 | Red, pixel 11 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 41 | Green, pixel 11 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 42 | Blue, pixel 11 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 43 | Red, pixel 12 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 44 | Green, pixel 12 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 45 | Blue, pixel 12 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 46 | Red, pixel 13 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 47 | Green, pixel 13 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 48 | Blue, pixel 13 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 49 | Red, pixel 14 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 50 | Green, pixel 14 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 51 | Blue, pixel 14 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 52 | Red, pixel 15 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 53 | Green, pixel 15 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 54 | Blue, pixel 15 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 55 | Red, pixel 16 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 56 | Green, pixel 16 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 57 | Blue, pixel 16 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 58 | Red, pixel 17 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 59 | Green, pixel 17 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 60 | Blue, pixel 17 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 61 | Red, pixel 18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 62 | Green, pixel 18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 63 | Blue, pixel 18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |

DMX Mode 6: MultiPix Compressed RGBL

81 DMX Channels

| Channel | Command | | DMX range | | Percent | | Default DMX | Fade |
|-----------------------------------|------------------------------------------|---------------------------------------------------------------------------------|-----------|-------|---------|------|-------------|------|
| Main module: basic control | | | | | | | | |
| 1 | Tilt coarse | Tilt back → front | 0 | 65535 | 0 | 100 | 32768 | Fade |
| 2 | Tilt fine | | | | | | | |
| 3 | Intensity coarse | Intensity 0 → 100% | 0 | 65535 | 0 | 100 | 32768 | Fade |
| 4 | Intensity fine | | | | | | | |
| 5 | Shutter | Closed | 0 | 4 | 0 | 1.6 | 255 | Snap |
| | | Single flash each time value is changed within range 005 → 009 | 5 | 9 | 2.0 | 3.5 | | Snap |
| | | Pulse slow → fast | 10 | 39 | 3.9 | 15.3 | | Fade |
| | | Opening pulse slow → fast | 40 | 69 | 15.7 | 27.1 | | Fade |
| | | Closing pulse slow → fast | 70 | 99 | 27.5 | 38.8 | | Fade |
| | | Double flash slow → fast | 100 | 129 | 39.2 | 50.6 | | Fade |
| | | Random pixel strobe slow → fast | 130 | 159 | 51.0 | 62.4 | | Fade |
| | | Random all strobe slow → fast | 160 | 199 | 62.7 | 78.0 | | Fade |
| | | Strobe sync all pixels slow → fast | 200 | 250 | 78.4 | 98.0 | | Fade |
| Open | 251 | 255 | 98.4 | 100 | Snap | | | |
| 6 | Zoom | Zoom narrow → wide | 0 | 255 | 0 | 100 | 0 | Fade |
| 7 | Control/Settings | See 'Control / Settings channel' on page 45 | | | | | | |
| 8 | Color Temperature Control | Open | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Fade through color temperatures of 10 000 K to 2 500 K stepless (interpolation) | 10 | 255 | 4.3 | 100 | | Fade |
| 9 | CQC (Color Quality Control) / Saturation | HQ (high quality), saturated color | 0 | 9 | 0 | 3.5 | 0 | Snap |
| | | Crossfade, saturated to unsaturated color | 10 | 117 | 3.9 | 45.9 | | Fade |
| | | HQ (high quality), unsaturated color | 118 | 127 | 46.3 | 49.8 | | Snap |
| | | HO (high output), unsaturated color | 128 | 137 | 50.2 | 53.7 | | Snap |
| | | Crossfade, unsaturated to saturated color | 138 | 245 | 54.1 | 96.1 | | Fade |
| | | HO (high output), saturated color | 246 | 255 | 96.5 | 100 | | Snap |
| 10 | Red, pixel 01 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 11 | Green, pixel 01 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 12 | Blue, pixel 01 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 13 | Lime, pixel 01 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 14 | Red, pixel 02 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 15 | Green, pixel 02 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 16 | Blue, pixel 02 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 17 | Lime, pixel 02 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 18 | Red, pixel 03 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 19 | Green, pixel 03 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 20 | Blue, pixel 03 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 21 | Lime, pixel 03 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 22 | Red, pixel 04 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 23 | Green, pixel 04 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 24 | Blue, pixel 04 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 25 | Lime, pixel 04 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 26 | Red, pixel 05 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 27 | Green, pixel 05 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 28 | Blue, pixel 05 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 29 | Lime, pixel 05 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |

Main module: basic control (continued)

| | | | | | | | | |
|----|-----------------|--------------------|---|-----|---|-----|---|------|
| 30 | Red, pixel 06 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | 0 | Fade |
| 31 | Green, pixel 06 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 32 | Blue, pixel 06 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 33 | Lime, pixel 06 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 34 | Red, pixel 07 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 35 | Green, pixel 07 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 36 | Blue, pixel 07 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 37 | Lime, pixel 07 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 38 | Red, pixel 08 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 39 | Green, pixel 08 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 40 | Blue, pixel 08 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 41 | Lime, pixel 08 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 42 | Red, pixel 09 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 43 | Green, pixel 09 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 44 | Blue, pixel 09 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 45 | Lime, pixel 09 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 46 | Red, pixel 10 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 47 | Green, pixel 10 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 48 | Blue, pixel 10 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 49 | Lime, pixel 10 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 50 | Red, pixel 11 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 51 | Green, pixel 11 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 52 | Blue, pixel 11 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 53 | Lime, pixel 11 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 54 | Red, pixel 12 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 55 | Green, pixel 12 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 56 | Blue, pixel 12 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 57 | Lime, pixel 12 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 58 | Red, pixel 13 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 59 | Green, pixel 13 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 60 | Blue, pixel 13 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 61 | Lime, pixel 13 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 62 | Red, pixel 14 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 63 | Green, pixel 14 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 64 | Blue, pixel 14 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 65 | Lime, pixel 14 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 66 | Red, pixel 15 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 67 | Green, pixel 15 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 68 | Blue, pixel 15 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 69 | Lime, pixel 15 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 70 | Red, pixel 16 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 71 | Green, pixel 16 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 72 | Blue, pixel 16 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 73 | Lime, pixel 16 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 74 | Red, pixel 17 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 75 | Green, pixel 17 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 76 | Blue, pixel 17 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 77 | Lime, pixel 17 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 78 | Red, pixel 18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 79 | Green, pixel 18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 80 | Blue, pixel 18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |
| 81 | Lime, pixel 18 | Intensity 0 → 100% | 0 | 255 | 0 | 100 | | |

Control / Settings channel

The Control / Settings commands listed below are available on Channel 7 in every DMX mode.

| Channel | Command | DMX range | | Percent | | Default DMX | Fade |
|-------------------------------------|---------------------------------------------|-----------|------|---------|------|-------------|------|
| 7 | No function | 0 | 11 | 0 | 4.3 | 0 | Snap |
| | iQ.Service connect | 12 | 13 | 4.7 | 5.1 | | |
| | No function | 14 | 19 | 5.5 | 7.5 | | |
| | Dimmer curve: Soft (square) (3 sec.) | 20 | 21 | 7.8 | 8.2 | | |
| | Dimmer curve: Linear (3 sec.) | 22 | 23 | 8.6 | 9.0 | | |
| | Dimmer curve: S-Curve (3 sec.) | 24 | 25 | 9.4 | 9.8 | | |
| | No function | 26 | 29 | 10.2 | 11.4 | | |
| | Display mode: Off (3 sec.) | 30 | 31 | 11.8 | 12.2 | | |
| | Display mode: Auto (3 sec.) | 32 | 33 | 12.5 | 12.9 | | |
| | Display mode: On (3 sec.) | 34 | 35 | 13.3 | 13.7 | | |
| | No function | 36 | 37 | 14.1 | 14.5 | | |
| | Display orientation: Auto (3 sec.) | 38 | 39 | 14.9 | 15.3 | | |
| | Display orientation: Normal (3 sec.) | 40 | 41 | 15.7 | 16.1 | | |
| | Display orientation: Inverted (3 sec.) | 42 | 43 | 16.5 | 16.9 | | |
| | No function | 44 | 45 | 17.3 | 17.6 | | |
| | No DMX: Blackout (3 sec.) | 46 | 47 | 18.0 | 18.4 | | |
| | No DMX: Hold (3 sec.) | 48 | 49 | 18.8 | 19.2 | | |
| | No DMX: Captured scene (3 sec.) | 50 | 51 | 19.6 | 20.0 | | |
| | Capture Scene (3 sec.) | 52 | 53 | 20.4 | 20.8 | | |
| | No function | 54 | 55 | 21.2 | 21.6 | | |
| | Fan mode: Minimum (3 sec.) | 56 | 57 | 22.0 | 22.4 | | |
| | Fan mode: Regulated (3 sec.) | 58 | 59 | 22.7 | 23.1 | | |
| | Fan mode: High (3 sec.) | 60 | 61 | 23.5 | 23.9 | | |
| | Fan mode: Medium (3 sec.) | 62 | 63 | 24.3 | 24.7 | | |
| | Fan mode: Low (3 sec.) | 64 | 65 | 25.1 | 25.5 | | |
| | No function | 66 | 69 | 25.9 | 27.1 | | |
| | Pixel mirror: Off (3 sec.) | 70 | 71 | 27.5 | 27.8 | | |
| | Pixel mirror: y-mirror (3 sec.) | 72 | 73 | 28.2 | 28.6 | | |
| | No function | 74 | 91 | 29.0 | 35.7 | | |
| | Position feedback: Off (3 sec.) | 92 | 93 | 36.1 | 36.5 | | |
| | Position feedback: On (3 sec.) | 94 | 95 | 36.9 | 37.3 | | |
| | No function | 96 | 97 | 37.6 | 38.0 | | |
| | Tilt inversion: Off (3 sec.) | 98 | 99 | 38.4 | 38.8 | | |
| | Tilt inversion: On (3 sec.) | 100 | 101 | 39.2 | 39.6 | | |
| | No function | 102 | 105 | 40.0 | 41.2 | | |
| | Tilt disable: Off (3 sec.) | 106 | 107 | 41.6 | 42.0 | | |
| | No function | 108 | 109 | 42.4 | 42.7 | | |
| | Tilt motor current disabled (3 sec.) | 110 | 111 | 43.1 | 43.5 | | |
| | No function | 112 | 129 | 43.9 | 50.6 | | |
| | Performance: Fast (3 sec.) | 130 | 131 | 51.0 | 51.4 | | |
| Performance: Normal (3 sec.) | 132 | 133 | 51.8 | 52.2 | | | |
| Performance: Smooth (3 sec.) | 134 | 135 | 52.5 | 52.9 | | | |
| No function | 136 | 137 | 53.3 | 53.7 | | | |

| | | | | | | | | |
|-----------|--------------------------------------|-----------------------------------------------------|-----|-----|------|------|---|------|
| 7 ctd. | Control / Settings (continued) | White point 8000 K (3 sec.) | 138 | 139 | 54.1 | 54.5 | 0 | Snap |
| | | White point 6500 K (3 sec.) | 140 | 141 | 54.9 | 55.3 | | |
| | | White point 5600 K (3 sec.) | 142 | 143 | 55.7 | 56.1 | | |
| | | White point 4200 K (3 sec.) | 144 | 145 | 56.5 | 56.9 | | |
| | | White point 3200 K (3 sec.) | 146 | 147 | 57.3 | 57.6 | | |
| | | No function | 148 | 149 | 58.0 | 58.4 | | |
| | | Sub module mode: Normal (3 sec.) | 150 | 151 | 58.8 | 59.2 | | |
| | | Sub module mode: Independent (3 sec.) | 152 | 153 | 59.6 | 60.0 | | |
| | | No function | 154 | 165 | 60.4 | 64.7 | | |
| | | Color mode: RGB [1] (3 sec.) | 166 | 167 | 65.1 | 65.5 | | |
| | | Color mode: RGBL [2] (3 sec.) | 198 | 169 | 77.6 | 66.3 | | |
| | | Color mode: x:y [3] (3 sec.) | 170 | 171 | 66.7 | 67.1 | | |
| | | No function | 172 | 181 | 67.5 | 71.0 | | |
| | | iQ gamut: Full (3 sec.) | 182 | 183 | 71.4 | 71.8 | | |
| | | iQ gamut: Rec. 2020 (3 sec.) | 184 | 185 | 72.2 | 72.5 | | |
| | | iQ gamut: Rec. 706 (3 sec.) | 186 | 187 | 72.9 | 73.3 | | |
| | | No function | 188 | 189 | 73.7 | 74.1 | | |
| | | Hibernation Off (3 sec., fixture will reset) | 190 | 191 | 74.5 | 74.9 | | |
| | | Hibernation On (3 sec.) | 192 | 193 | 75.3 | 75.7 | | |
| | | No function | 194 | 215 | 76.1 | 84.3 | | |
| | | PWM Optimal (3 sec.) | 216 | 217 | 84.7 | 85.1 | | |
| | | PWM High 1 (3 sec.) | 218 | 219 | 85.5 | 85.9 | | |
| | | PWM High 2 (3 sec.) | 220 | 221 | 86.3 | 86.7 | | |
| | | PWM Max. (3 sec.) | 222 | 223 | 87.1 | 87.5 | | |
| | | No function | 224 | 229 | 87.8 | 89.8 | | |
| | | Save as User Settings Preset 1 (3 s.) | 230 | 231 | 90.2 | 90.6 | | |
| | | Save as User Settings Preset 2 (3 s.) | 232 | 233 | 91.0 | 91.4 | | |
| | | Save as User Settings Preset 3 (3 s.) | 234 | 235 | 91.8 | 92.2 | | |
| | | No function | 236 | 237 | 92.5 | 92.9 | | |
| | | Load User Settings Preset 1 (3 sec.) | 238 | 239 | 93.3 | 93.7 | | |
| | | Load User Settings Preset 2 (3 sec.) | 240 | 241 | 94.1 | 94.5 | | |
| | | Load User Settings Preset 3 (3 sec.) | 242 | 243 | 94.9 | 95.3 | | |
| | | Load settings default (3 sec.) | 244 | 245 | 95.7 | 96.1 | | |
| | | No function | 246 | 249 | 96.5 | 97.6 | | |
| | | Reset tilt (3 sec.) | 250 | 251 | 98.0 | 98.4 | | |
| | | Reset head (3 sec.) | 252 | 253 | 98.8 | 99.2 | | |
| | | Reset ALL (3 sec.) | 254 | 255 | 99.6 | 100 | | |

To reduce the risk of accidentally changing settings, the commands on the Control / Settings channel must be held for a certain time before they are executed. The above table indicates the number of seconds that you must hold a command.

5. Key to conversion of x and y coordinates

The following formulas are used when converting DMX values to x/y coordinates on the RGB and RGBL color mixing channels:

8-bit

$$\text{DMX } x = \frac{x \text{ co-ordinate} \times 255}{0.8}$$

$$\text{DMX } y = \frac{y \text{ co-ordinate} \times 255}{0.8}$$

16-bit

$$\text{DMX } x = \frac{x \text{ co-ordinate} \times 65535}{0.8}$$

$$\text{DMX } y = \frac{y \text{ co-ordinate} \times 65535}{0.8}$$

6. Color wheel specifications

The following table gives the color gamut co-ordinates of the color presets available on the color wheel effect.

| | |
|----------------------------------|-------------|
| Filter 004, Medium Bastard Amber | 0.37;0.335 |
| Filter 019, Fire | 0.664;0.31 |
| Filter 025, Sunset Red | 0.566;0.359 |
| Filter 026, Bright Red | 0.712;0.281 |
| Filter 036, Medium Pink | 0.36;0.268 |
| Filter 049, Medium Purple | 0.283;0.101 |
| Filter 058, Lavender | 0.212;0.099 |
| Filter 068, Sky Blue | 0.151;0.128 |
| Filter 088, Lime Green | 0.356;0.511 |
| Filter 089, Moss Green | 0.259;0.547 |
| Filter 090, Dark Yellow Green | 0.184;0.641 |
| Filter 102, Light Amber | 0.434;0.44 |
| Filter 103, Straw | 0.336;0.359 |
| Filter 106, Primary Red | 0.699;0.285 |
| Filter 111, Dark Pink | 0.389;0.215 |
| Filter 115, Peacock Blue | 0.134;0.296 |
| Filter 117, Steel Blue | 0.223;0.278 |
| Filter 118, Light Blue | 0.149;0.113 |
| Filter 121, Filter Green | 0.302;0.534 |
| Filter 122, Fern Green | 0.234;0.543 |
| Filter 124, Dark Green | 0.123;0.586 |
| Filter 126, Mauve | 0.287;0.082 |
| Filter 128, Bright Pink | 0.401;0.151 |
| Filter 131, Marine Blue | 0.199;0.305 |
| Filter 132, Medium Blue | 0.137;0.11 |
| Filter 134, Golden Amber | 0.501;0.371 |
| Filter 135, Deep Golden Amber | 0.667;0.326 |
| Filter 136, Pale Lavender | 0.288;0.254 |
| Filter 137, Special Lavender | 0.231;0.175 |
| Filter 138, Pale Green | 0.331;0.433 |
| Filter 140, Summer Blue | 0.201;0.245 |
| Filter 141, Bright Blue | 0.129;0.159 |
| Filter 143, Pale Navy Blue | 0.17;0.205 |
| Filter 147, Apricot | 0.446;0.381 |
| Filter 148, Bright Rose | 0.482;0.238 |
| Filter 152, Pale Gold | 0.37;0.332 |
| Filter 154, Pale Rose | 0.35;0.318 |

| | |
|---------------------------------------|-------------|
| Filter 157, Pink | 0.457;0.272 |
| Filter 162, Bastard Amber | 0.348;0.328 |
| Filter 164, Flame Red | 0.659;0.302 |
| Filter 165, Daylight Blue | 0.159;0.158 |
| Filter 169, Lilac Tint | 0.294;0.281 |
| Filter 170, Deep Lavender | 0.278;0.211 |
| Filter 172, Lagoon Blue | 0.141;0.22 |
| Filter 180, Dark Lavender | 0.191;0.072 |
| Filter 182, Light Red | 0.67;0.313 |
| Filter 194, Surprise Pink | 0.24;0.183 |
| Filter 197, Alice Blue | 0.164;0.118 |
| Filter 201, Full C.T. Blue | 0.228;0.233 |
| Filter 202, Half C.T. Blue | 0.261;0.273 |
| Filter 203, Quarter C.T. Blue | 0.285;0.294 |
| Filter 204, Full C.T. Orange | 0.437;0.392 |
| Filter 206, Quartet C.T. Orange | 0.346;0.34 |
| Filter 219, Fluorescent Green | 0.219;0.334 |
| Filter 247, Filter Minus Green | 0.325;0.279 |
| Filter 248, Half Minus Green | 0.317;0.297 |
| Filter 281, Three Quarter C.T. Blue | 0.239;0.258 |
| Filter 285, Three Quarter C.T. Orange | 0.4;0.387 |
| Filter 352, Glacier Blue | 0.171;0.19 |
| Filter 353, Lighter Blue | 0.193;0.246 |
| Filter 506, Madge | 0.662;0.337 |
| Filter 778, Millennium Gold | 0.606;0.382 |
| Filter 793, Vanity Fair | 0.419;0.17 |
| Filter 798, Chrysalis Pink | 0.191;0.061 |

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