



# SPARX 7

DMX Protokoll | DMX Chart

Version 0.1





## 5. Kanalbelegung

Der Sparx7 verfügt über 3 unterschiedliche DMX-Modi. Der jeweilige Modus lässt sich im Menüpunkt *PERSONALITY, DMX MODE* einstellen. Der eingestellte Mode wird im Hauptmenü angezeigt.

### Mode 1

|          |                               |                |
|----------|-------------------------------|----------------|
| Kanal 1  | Pan                           |                |
| Kanal 2  | Pan fein                      |                |
| Kanal 3  | Tilt                          |                |
| Kanal 4  | Tilt fein                     |                |
| Kanal 5  | Control                       |                |
| Kanal 6  | Shutter                       |                |
| Kanal 7  | Dimmer                        |                |
| Kanal 8  | Zoom                          |                |
| Kanal 9  | Mapping - Segmentauswahl      |                |
| Kanal 10 | Pattern Mode                  |                |
| Kanal 11 | Pattern (Muster)              |                |
| Kanal 12 | Pattern Geschwindigkeit       |                |
| Kanal 13 | Color spread - Farbverlauf    |                |
| Kanal 14 | Sparkle                       |                |
| Kanal 15 | Sparkle Geschwindigkeit       |                |
| Kanal 16 | CTC                           |                |
| Kanal 17 | Farbrad                       |                |
| Kanal 18 | Pan/Tilt Geschwindigkeit      |                |
| Kanal 19 | Effektgeschwindigkeit         |                |
| Kanal 20 | Segment Shutter/Blackout Move |                |
| Kanal 21 | Rot                           | } Glow RGBW    |
| Kanal 22 | Grün                          |                |
| Kanal 23 | Blau                          |                |
| Kanal 24 | Weiß                          | } Main RGBW    |
| Kanal 25 | Rot                           |                |
| Kanal 26 | Grün                          |                |
| Kanal 27 | Blau                          | } Pattern RGBW |
| Kanal 28 | Weiß                          |                |
| Kanal 29 | Rot                           |                |
| Kanal 30 | Grün                          |                |
| Kanal 31 | Blau                          |                |
| Kanal 32 | Weiß                          |                |

### Mode 2





|          |                               |                |
|----------|-------------------------------|----------------|
| Kanal 1  | Pan                           |                |
| Kanal 2  | Pan fein                      |                |
| Kanal 3  | Tilt                          |                |
| Kanal 4  | Tilt fein                     |                |
| Kanal 5  | Control                       |                |
| Kanal 6  | Shutter                       |                |
| Kanal 7  | Dimmer                        |                |
| Kanal 8  | Zoom                          |                |
| Kanal 9  | Mapping - Segmentauswahl      |                |
| Kanal 10 | Pattern Mode                  |                |
| Kanal 11 | Pattern (Muster)              |                |
| Kanal 12 | Pattern Geschwindigkeit       |                |
| Kanal 13 | Color spread - Farbverlauf    |                |
| Kanal 14 | Sparkle                       |                |
| Kanal 15 | Sparkle Geschwindigkeit       |                |
| Kanal 16 | CTC                           |                |
| Kanal 17 | Farbrad                       |                |
| Kanal 18 | Pan/Tilt Geschwindigkeit      |                |
| Kanal 19 | Effektgeschwindigkeit         |                |
| Kanal 20 | Segment Shutter/Blackout Move |                |
| Kanal 21 | Rot                           | } Glow RGBW    |
| Kanal 22 | Rot fein                      |                |
| Kanal 23 | Grün                          |                |
| Kanal 24 | Grün fein                     | } Main RGBW    |
| Kanal 25 | Blau                          |                |
| Kanal 26 | Blau fein                     |                |
| Kanal 27 | Weiß                          | } Pattern RGBW |
| Kanal 28 | Weiß fein                     |                |
| Kanal 29 | Rot                           |                |
| Kanal 30 | Rot fein                      |                |
| Kanal 31 | Grün                          |                |
| Kanal 32 | Grün fein                     |                |
| Kanal 33 | Blau                          |                |
| Kanal 34 | Blau fein                     |                |
| Kanal 35 | Weiß                          |                |
| Kanal 36 | Weiß fein                     |                |
| Kanal 37 | Rot                           | } Pattern RGBW |
| Kanal 38 | Rot fein                      |                |
| Kanal 39 | Grün                          |                |
| Kanal 40 | Grün fein                     |                |
| Kanal 41 | Blau                          |                |
| Kanal 42 | Blau fein                     |                |
| Kanal 43 | Weiß                          |                |
| Kanal 44 | Weiß fein                     |                |

















































































































**Mode 3**

Kanal 1 Pan  
Kanal 2 Pan fein  
Kanal 3 Tilt  
Kanal 4 Tilt fein  
Kanal 5 Control  
Kanal 6 Shutter  
Kanal 7 Dimmer  
Kanal 8 Zoom  
Kanal 9 Mapping - Segmentauswahl  
Kanal 10 Pattern Mode  
Kanal 11 Pattern (Muster)  
Kanal 12 Pattern Geschwindigkeit  
Kanal 13 Color spread - Farbverlauf  
Kanal 14 Sparkle  
Kanal 15 Sparkle Geschwindigkeit  
Kanal 16 CTC  
Kanal 17 Farbrad  
Kanal 18 Pan/Tilt Geschwindigkeit  
Kanal 19 Effektgeschwindigkeit  
Kanal 20 Segment Shutter/Blackout Move  
Kanal 21 Rot  
Kanal 22 Grün  
Kanal 23 Blau  
Kanal 24 Weiß







## Aufteilung der einzelnen Kanäle

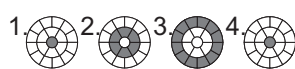
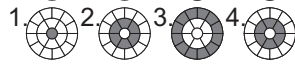


| MO1 | MO2 | MO3 | Funktion   | DMX  |                             |         |
|-----|-----|-----|--|--|-----------------------------|---------|
| 1   | 1   | 1   | <b>Pan (X) Bewegung 430°</b>   | 000-255  |                             |         |
| 2   | 2   | 2   | <b>Pan (X) fein</b>  | 000-255  |                             |         |
| 3   | 3   | 3   | <b>Tilt (Y) Bewegung 300°</b>  | 000-255  |                             |         |
| 4   | 4   | 4   | <b>Tilt (Y) fein</b>   | 000-255  |                             |         |
| 5   | 5   | 5   | <b>Control</b>   |  |                             |         |
|     |     |     | 100% Ausgangsleistung der LED Stränge<br>Fade out über Fader (langsam - schnell) | 000-007  |                             |         |
|     |     |     | Farbabgleich auf RGBW (weiss 8500K)  | } Lichtmischpult<br>Modus 1<br>(schnellste<br>Reaktionszeit)       |                             |         |
|     |     |     | Fade out über Fader (langsam - schnell)  |  | 008-015                     |         |
|     |     |     | Farbabgleich auf RGBW (weiss 6500K)  |  | 016-023                     |         |
|     |     |     | Fade out über Fader (langsam - schnell)  |  | } Lichtmischpult<br>Modus 2 |         |
|     |     |     | Farbabgleich für Colour Picker   |  |                             | 024-031 |
|     |     |     | Fade out über Fader (langsam - schnell)  |  |                             | 032-039 |
|     |     |     | 100% Ausgangsleistung der LED Stränge<br>Fade out über Fader (langsam - schnell) | 040-047  |                             |         |
|     |     |     | Farbabgleich auf RGBW (weiss 8500K)  | } Lichtmischpult<br>Modus 3  |                             |         |
|     |     |     | Fade out über Fader (langsam - schnell)  |  | 048-055                     |         |
|     |     |     | Farbabgleich auf RGBW (weiss 6500K)  |  | 056-063                     |         |
|     |     |     | Fade out über Fader (langsam - schnell)  |  | } Lichtmischpult<br>Modus 4 |         |
|     |     |     | Farbabgleich für Colour Picker   |  |                             | 064-071 |
|     |     |     | Fade out über Fader (langsam - schnell)  |  |                             | 072-079 |
|     |     |     | Farbabgleich für Colour Picker   | 080-087  |                             |         |
|     |     |     | Fade out über Fader (langsam - schnell)  | 088-095  |                             |         |
|     |     |     | 100% Ausgangsleistung der LED Stränge<br>Fade out über Fader (langsam - schnell) | 096-103  |                             |         |
|     |     |     | Farbabgleich auf RGBW (weiss 8500K)  | } Lichtmischpult<br>Modus 5<br>(stark verzögerte<br>Reaktionszeit) |                             |         |
|     |     |     | Fade out über Fader (langsam - schnell)  |  | 104-111                     |         |
|     |     |     | Farbabgleich auf RGBW (weiss 6500K)  |  | 112-119                     |         |
|     |     |     | Fade out über Fader (langsam - schnell)  |  | 120-127                     |         |
|     |     |     | Farbabgleich für Colour Picker   |  | 128-135                     |         |
|     |     |     | Fade out über Fader (langsam - schnell)  |  | 136-143                     |         |
|     |     |     | 100% Ausgangsleistung der LED Stränge<br>Fade out über Fader (langsam - schnell) | 144-151  |                             |         |
|     |     |     | Farbabgleich auf RGBW (weiss 8500K)  | } Lichtmischpult<br>Modus 5<br>(stark verzögerte<br>Reaktionszeit) |                             |         |
|     |     |     | Fade out über Fader (langsam - schnell)  |  | 152-159                     |         |
|     |     |     | Farbabgleich auf RGBW (weiss 6500K)  |  | 160-207                     |         |
|     |     |     | Fade out über Fader (langsam - schnell)  |  | 208-215                     |         |
|     |     |     | Farbabgleich für Colour Picker   |  | 216-223                     |         |
|     |     |     | Fade out über Fader (langsam - schnell)  |  | 224-231                     |         |
|     |     |     | Sicherheit   | 232-239  |                             |         |
|     |     |     | Camera Mode, 50Hz (nach 2 Sekunden)  | 240-247  |                             |         |
|     |     |     | Camera Mode, 60Hz (nach 2 Sekunden)  | 248-255  |                             |         |
|     |     |     | Camera Mode, FLEX (nach 2 Sekunden)  |  |                             |         |
|     |     |     | Sicherheit   |  |                             |         |
|     |     |     | Reset (nach 2 Sekunden)  |  |                             |         |
|     |     |     | Sicherheit   |  |                             |         |

| MO1 | MO2 | MO3 | Funktion   | DMX   |
|-----|-----|-----|--|---|
| 6   | 6   | 6   | <b>Shutter</b><br>Shutter zu<br>Shutter auf<br>Shutter pulsierend öffnen >20Hz (0,6sec - 4,8sec)<br>Shutter auf<br>Fade-Effekt mit Dimmer (langsam - schnell)<br>Shutter auf<br>Shutter zu<br>Shutter pulsierend öffnen <20Hz (0,6sec - 4,8sec)<br>Shutter auf<br>Shutter pulsierend schließen (0,6sec - 4,8sec)<br>Shutter zu<br>Shutter fade 0% (0,6sec - 4,8sec)<br>Shutter auf<br>Shutter fade 100% (0,6sec - 4,8sec)<br>Shutter zu<br>Shutter Zufall 100% (0,6sec - 4,8sec)<br>Shutter auf<br>Shutter Zufall 0% (0,6sec - 4,8sec)<br>Shutter zu<br>S. Zufall fade 0% (0,6sec - 4,8sec)<br>Shutter auf<br>S. Zufall fade 100% (0,6sec - 4,8sec)<br>Shutter auf | 000-015<br>016-095<br>096-110<br>111<br>112-125<br>126<br>127<br>128-142<br>143<br>144-158<br>159<br>160-174<br>175<br>176-190<br>191<br>192-206<br>207<br>208-222<br>223<br>224-238<br>239<br>240-254<br>255 |
| 7   | 7   | 7   | <b>Dimmer 0 - 100%</b>   | 000-255   |
| 8   | 8   | 8   | <b>Zoom min - max</b>  | 000-255   |
| 9   | 9   | 9   | <b>Mapping - Segmentauswahl</b><br>keine Segmentierung, Muster kreisförmig   |   |
|     |     |     | 1.  2.  3.  4.    | 000   |
|     |     |     | Segment 1  | 001   |
|     |     |     | Segment 2  | 002   |
|     |     |     | Segment 3  | 003   |
|     |     |     | Segment 4  | 004   |
|     |     |     | Segment 5  | 005   |
|     |     |     | Segment 6  | 006   |
|     |     |     | Segment 7  | 007   |
|     |     |     | Segment 8  | 008   |
|     |     |     | Segment 9  | 009   |
|     |     |     | Segment 10   | 010   |
|     |     |     | Segment 11   | 011   |
|     |     |     | Segment 12   | 012   |
|     |     |     | Segment 13   | 013   |
|     |     |     | Segment 14   | 014   |
|     |     |     | Segment 15   | 015   |

| MO1 | MO2 | MO3 | Funktion     | DMX  |
|-----|-----|-----|--------------|--|
|     |     |     | Segment 16   | 1.  2.  3.  4.  016         |
|     |     |     | Segment 17   | 1.  2.  3.  4.  017         |
|     |     |     | Segment 18   | 1.  2.  3.  4.  018         |
|     |     |     | Segment 19   | 1.  2.  3.  4.  019         |
|     |     |     | Segment 20   | 1.  2.  3.  4.  020         |
|     |     |     | Segment 21   | 1.  2.  3.  4.  021         |
|     |     |     | Segment 22   | 1.  2.  3.  4.  022         |
|     |     |     | Segment 23   | 1.  2.  3.  4.  023         |
|     |     |     | Segment 24   | 1.  2.  3.  4.  024         |
|     |     |     | Segment 25   | 1.  2.  3.  4.  025         |
|     |     |     | Segment 26   | 1.  2.  3.  4.  026         |
|     |     |     | Segment 27   | 1.  2.  3.  4.  027     |
|     |     |     | Segment 28   | 1.  2.  3.  4.  028 |
|     |     |     | Segment 29   | 1.  2.  3.  4.  029 |
|     |     |     | Segment 30   | 1.  2.  3.  4.  030 |
|     |     |     | Segment 31   | 1.  2.  3.  4.  031 |
|     |     |     | Segment 32   | 1.  2.  3.  4.  032 |
|     |     |     | Segment 33   | 1.  2.  3.  4.  033 |
|     |     |     | Segment 34   | 1.  2.  3.  4.  034 |
|     |     |     | Segment 35   | 1.  2.  3.  4.  035 |
|     |     |     | Segment 36   | 1.  2.  3.  4.  036 |
|     |     |     | Segment 37   | 1.  2.  3.  4.  037 |
|     |     |     | Segment 38   | 1.  2.  3.  4.  038 |
|     |     |     | Segment 39   | 1.  2.  3.  4.  039 |
|     |     |     | Segment 40   | 1.  2.  3.  4.  040 |
|     |     |     | Segment 41   | 1.  2.  3.  4.  041 |
|     |     |     | Segment 42   | 1.  2.  3.  4.  042 |
|     |     |     | Segment 43   | 1.  2.  3.  4.  043 |
|     |     |     | nicht belegt | 044-099  |
|     |     |     | Ziffern 0-9  | 100-109  |
|     |     |     | Smiley klein | 110  |
|     |     |     | Smiley groß  | 111  |
|     |     |     | nicht belegt | 112-219  |



| MO1 | MO2 | MO3 | Funktion   | DMX     |
|-----|-----|-----|--|---------|
|     |     |     | Statisches Segment 1   | 220     |
|     |     |     | Statisches Segment 2   | 221     |
|     |     |     | Statisches Segment 3   | 222     |
|     |     |     | Statisches Segment 4   | 223     |
|     |     |     | Statisches Segment 5   | 224     |
|     |     |     | Statisches Segment 6   | 225     |
|     |     |     | nicht belegt   | 226-255 |
| 10  | 10  | 10  | <b>Pattern Mode - Muster Einstellungen</b><br><b>Bereich 0-31: RGBW LED's die nicht im aktuellen Segment verwendet werden sind deaktiviert!</b><br>Muster frei laufend gefadet 000<br>Muster frei laufend geschaltet 001<br>Muster weiterschalten über Crossfade laufrichtung vorwärts 002<br>Muster weiterschalten über Crossfade laufrichtung rückwärts 003<br>Pixel zufällig flash schnell 004<br>Pixel zufällig snap open/ ramp close } regelmäßiger<br>Pixel zufällig flash langsam } Zeitabstand 005<br>Pixel zufällig ramp open / snap close 006<br>Pixel zufällig flash schnell 007<br>Pixel zufällig snap open/ ramp close } zufälliger<br>Pixel zufällig flash langsam } Zeitabstand 008<br>Pixel zufällig ramp open / snap close 009<br>Statische Effekte 010-031 |         |
|     |     |     | <b>Bereich 32-63: RGBW LED's die nicht im aktuellen Segment verwendet werden leuchten in Vordergrundfarbe!</b><br>Muster frei laufend gefadet 032<br>Muster frei laufend geschaltet 033<br>Muster weiterschalten über Crossfade laufrichtung vorwärts 034<br>Muster weiterschalten über Crossfade laufrichtung rückwärts 035<br>Pixel zufällig flash schnell 036<br>Pixel zufällig snap open/ ramp close } regelmäßiger<br>Pixel zufällig flash langsam } Zeitabstand 037<br>Pixel zufällig ramp open / snap close 038<br>Pixel zufällig flash schnell 039<br>Pixel zufällig snap open/ ramp close } zufälliger<br>Pixel zufällig flash langsam } Zeitabstand 040<br>Pixel zufällig ramp open / snap close 041<br>Statische Effekte 042-063                                  |         |
|     |     |     | <b>Bereich 64-95: RGBW LED's die nicht im aktuellen Segment verwendet werden leuchten in Hintergrundfarbe!</b><br>Muster frei laufend gefadet 064<br>Muster frei laufend geschaltet 065<br>Muster weiterschalten über Crossfade laufrichtung vorwärts 066<br>Muster weiterschalten über Crossfade laufrichtung rückwärts 067<br>Pixel zufällig flash schnell 068<br>Pixel zufällig snap open/ ramp close } regelmäßiger<br>Pixel zufällig flash langsam } Zeitabstand 069<br>Pixel zufällig ramp open / snap close 070<br>Pixel zufällig flash schnell 071<br>Pixel zufällig snap open/ ramp close } zufälliger<br>Pixel zufällig flash langsam } Zeitabstand 072<br>Pixel zufällig ramp open / snap close 073<br>Statische Effekte 074-095                                  |         |

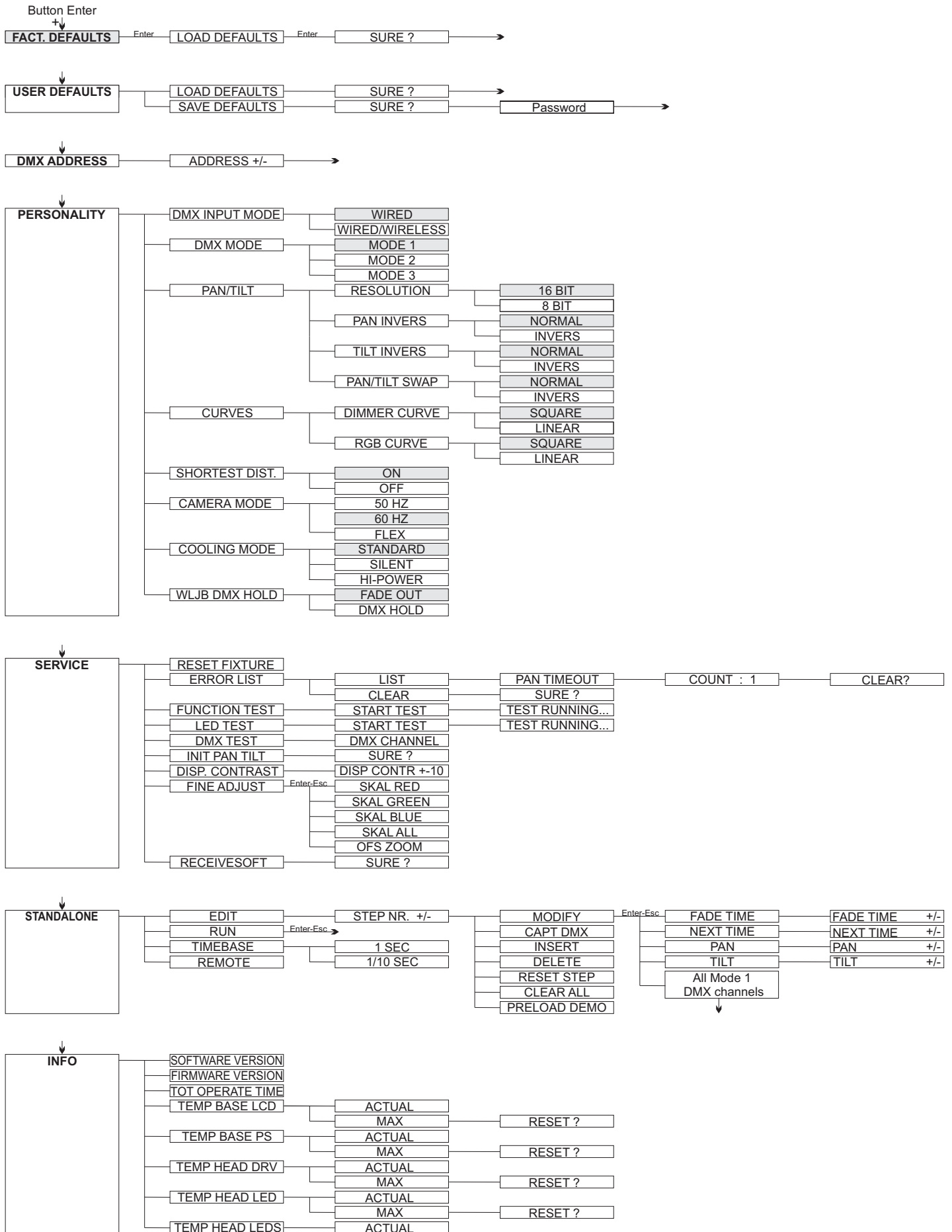
| MO1 | MO2 | MO3 | Funktion   | DMX |
|-----|-----|-----|--|-----|
|     |     |     | <b>Bereich 96-127: RGBW LED's die nicht im aktuellen Segment verwendet werden leuchten nach Glow RGBW!</b><br>Muster frei laufend gefadet 096<br>Muster frei laufend geschaltet 097<br>Muster weiterschalten über Crossfade laufrichtung vorwärts 098<br>Muster weiterschalten über Crossfade laufrichtung rückwärts 099<br>Pixel zufällig flash schnell 100<br>Pixel zufällig snap open/ ramp close } regelmäßiger<br>Pixel zufällig flash langsam } Zeitabstand 101<br>Pixel zufällig ramp open / snap close 102<br>Pixel zufällig flash schnell 103<br>Pixel zufällig snap open/ ramp close } zufälliger<br>Pixel zufällig flash langsam } Zeitabstand 104<br>Pixel zufällig ramp open / snap close 105<br>Statische Effekte 106<br>107<br>108-127  |     |
|     |     |     | <b>Bereich 128-159: RGBW LED's die nicht im aktuellen Segment verwendet werden leuchten nach Glow RGBW, Glow RGBW wird dabei für übrige LED's nicht verwendet!</b><br>Muster frei laufend gefadet 128<br>Muster frei laufend geschaltet 129<br>Muster weiterschalten über Crossfade laufrichtung vorwärts 130<br>Muster weiterschalten über Crossfade laufrichtung rückwärts 131<br>Pixel zufällig flash schnell 132<br>Pixel zufällig snap open/ ramp close } regelmäßiger<br>Pixel zufällig flash langsam } Zeitabstand 133<br>Pixel zufällig ramp open / snap close 134<br>Pixel zufällig flash schnell 135<br>Pixel zufällig snap open/ ramp close } zufälliger<br>Pixel zufällig flash langsam } Zeitabstand 136<br>Pixel zufällig ramp open / snap close 137<br>Statische Effekte 138<br>139<br>140-159  |     |
|     |     |     | <b>Bereich 160-191: wie Bereich 0-31 jedoch ohne Glow RGBW (wird verwendet mit Farbverlaufskanal und geht dabei auf Vordergrundfarbe)!</b><br>Muster frei laufend gefadet 160<br>Muster frei laufend geschaltet 161<br>Muster weiterschalten über Crossfade laufrichtung vorwärts 162<br>Muster weiterschalten über Crossfade laufrichtung rückwärts 163<br>Pixel zufällig flash schnell 164<br>Pixel zufällig snap open/ ramp close } regelmäßiger<br>Pixel zufällig flash langsam } Zeitabstand 165<br>Pixel zufällig ramp open / snap close 166<br>Pixel zufällig flash schnell 167<br>Pixel zufällig snap open/ ramp close } zufälliger<br>Pixel zufällig flash langsam } Zeitabstand 168<br>Pixel zufällig ramp open / snap close 169<br>Statische Effekte 170<br>171<br>172-191<br>Makrobereich, kombinierte Effekte aus Segment, Pattern Mode und Pattern Kanal 192-235<br>nicht belegt 236-255 |     |
| 11  | 11  | 11  | <b>Pattern - Ablaufmuster der Effekte</b><br>Muster inaktiv 000<br>Muster 1  001<br>Muster 2  002<br>Muster 3  003<br>Muster 4  004  |     |

| MO1 | MO2 | MO3 | Funktion   | DMX     |
|-----|-----|-----|--|---------|
|     |     |     | Muster 5   | 005     |
|     |     |     | Muster 6   | 006     |
|     |     |     | Muster 7   | 007     |
|     |     |     | nicht belegt   | 008-127 |
|     |     |     | Zufällige Ablaufmuster 1 - 7                                     | 128-135 |
|     |     |     | nicht belegt   | 136-255 |
| 12  | 12  | 12  | <b>Pattern Speed - Muster Ablaufgeschwindigkeit</b>              |         |
|     |     |     | Laufrichtung vorwärts (schnell - langsam)                        | 000-126 |
|     |     |     | Stop   | 127-128 |
|     |     |     | Laufrichtung rückwärts (langsam - schnell)                       | 129-255 |
| 13  | 13  | 13  | <b>Color spread - Farbverlauf</b>                                |         |
|     |     |     | Farbverlauf inaktiv  | 000     |
|     |     |     | Farbverlauf zunehmend indexierbar vorwärts                       | 001-063 |
|     |     |     | Farbverlauf zunehmend laufrichtung vorwärts (schnell - langsam)  | 064-094 |
|     |     |     | Stop   | 095-096 |
|     |     |     | Farbverlauf abnehmend laufrichtung rückwärts (langsam - schnell) | 097-127 |
|     |     |     | Farbverlauf abnehmend indexierbar rückwärts                      | 128-191 |
|     |     |     | Farbverlauf zunehmend laufrichtung vorwärts (schnell - langsam)  | 192-222 |
|     |     |     | Stop   | 223-224 |
|     |     |     | Farbverlauf abnehmend laufrichtung rückwärts (langsam - schnell) | 225-255 |
| 14  | 14  | 14  | <b>Sparkle - Glittereffekt</b>                                   |         |
|     |     |     | Sparkle Effekt inaktiv   | 000     |
|     |     |     | Sparkle Effekt Intensität (minimum - maximum)                    | 001-255 |
| 15  | 15  | 15  | <b>Sparkle Geschwindigkeit</b>                                   |         |
|     |     |     | Sparkle Effekt gefadet (langsam - schnell)                       | 000-031 |
|     |     |     | Sparkle Effekt geschaltet (langsam - schnell)                    | 032-063 |
|     |     |     | Wiederholung der Fade- und Schaltblöcke                          | 064-255 |
| 16  | 16  | 16  | <b>CTC 0 - 100%</b>  | 000-255 |
| 17  | 17  | 17  | <b>Farbrad</b>   |         |
|     |     |     | inaktiv, Farbmischung nur über RGB                               | 000-001 |
|     |     |     | weiss  | 002-003 |
|     |     |     | weiss/rot  | 004-007 |
|     |     |     | rot  | 008-011 |
|     |     |     | rot/gelb   | 012-015 |
|     |     |     | gelb   | 016-019 |
|     |     |     | gelb/magenta   | 020-023 |
|     |     |     | magenta  | 024-027 |
|     |     |     | magenta/grün   | 028-031 |
|     |     |     | grün   | 032-035 |
|     |     |     | grün/orange  | 036-039 |
|     |     |     | orange   | 040-043 |
|     |     |     | orange/blau  | 044-047 |
|     |     |     | blau   | 048-051 |
|     |     |     | blau/türkis  | 052-055 |
|     |     |     | türkis   | 056-059 |
|     |     |     | türkis/weiss   | 060-063 |
|     |     |     | weiss 2700 Kelvin  | 064     |
|     |     |     | weiss 2700 Kelvin halogenes ausdimmen                            | 065     |
|     |     |     | weiss 3200 Kelvin  | 066     |
|     |     |     | weiss 3200 Kelvin halogenes ausdimmen                            | 067     |
|     |     |     | weiss 4200 Kelvin  | 068     |
|     |     |     | weiss 5600 Kelvin  | 069     |

| MO1 | MO2 | MO3 | Funktion  | DMX   |
|-----|-----|-----|---|---|
|     |     |     | weiss 6500 Kelvin<br>weiss 8000 Kelvin<br>Farbraddreh rechts (schnell - langsam)<br>Farbraddreh stop<br>Farbraddreh links (langsam - schnell)   | 070<br>071-191<br>192-222<br>223-224<br>225-255                           |
| 18  | 18  | 18  | <b>Pan/Tilt Geschwindigkeit</b><br>Bewegung in Echtzeit<br>Bewegung zeitverzögert (schnell - langsam)   | 000-003<br>004-255  |
| 19  | 19  | 19  | <b>Effektgeschwindigkeit</b><br>Effekte in Echtzeit<br>Effekte zeitverzögert (schnell - langsam)  | 000-003<br>004-255  |
| 20  | 20  | 20  | <b>Blackout Move</b><br>keine Funktion<br>Wahl der Segmente für Shuttereffekte in Verbindung mit dem Shutterkanal<br>keine Funktion<br>Dimmer schließt bei Bewegung P/T<br>Dimmer schließt bei Farbwechsel<br>keine Funktion<br>Dimmer schließt bei Farbwechsel, Bew. P/T<br>Die Fadezeit des Dimmers ist einstellbar von langsam 5sec - max. | 000<br>001-070<br><br>071-095<br>096-127<br>128-159<br>160-223<br>224-255 |
| 21  | 21  |     | <b>Rot (8 Bit)</b> 0 - 100%   | } Glow RGBW<br>000-255  |
|     | 22  |     | <b>Rot fein (16 Bit)</b> 0 - 100%   |   |
| 22  | 23  |     | <b>Grün (8 Bit)</b> 0 - 100%  |   |
|     | 24  |     | <b>Grün fein (16 Bit)</b> 0 - 100%  |   |
| 23  | 25  |     | <b>Blau (8 Bit)</b> 0 - 100%  |   |
|     | 26  |     | <b>Blau fein (16 Bit)</b> 0 - 100%  |   |
| 24  | 27  |     | <b>Weiss (8 Bit)</b> 0 - 100%   |   |
|     | 28  |     | <b>Weiss fein (16 Bit)</b> 0 - 100%   |   |
| 25  | 29  | 21  | <b>Rot (8 Bit)</b> 0 - 100%   | } Main RGBW<br>000-255  |
|     | 30  |     | <b>Rot fein (16 Bit)</b> 0 - 100%   |   |
| 26  | 31  | 22  | <b>Grün (8 Bit)</b> 0 - 100%  |   |
|     | 32  |     | <b>Grün fein (16 Bit)</b> 0 - 100%  |   |
| 27  | 33  | 23  | <b>Blau (8 Bit)</b> 0 - 100%  |   |
|     | 34  |     | <b>Blau fein (16 Bit)</b> 0 - 100%  |   |
| 28  | 35  | 24  | <b>Weiss (8 Bit)</b> 0 - 100%   |   |
|     | 36  |     | <b>Weiss fein (16 Bit)</b> 0 - 100%   |   |
| 29  | 37  |     | <b>Rot (8 Bit)</b> 0 - 100%   | } Pattern RGBW<br>000-255   |
|     | 38  |     | <b>Rot fein (16 Bit)</b> 0 - 100%   |   |
| 30  | 39  |     | <b>Grün (8 Bit)</b> 0 - 100%  |   |
|     | 40  |     | <b>Grün fein (16 Bit)</b> 0 - 100%  |   |
| 31  | 41  |     | <b>Blau (8 Bit)</b> 0 - 100%  |   |
|     | 42  |     | <b>Blau fein (16 Bit)</b> 0 - 100%  |   |
| 32  | 43  |     | <b>Weiss (8 Bit)</b> 0 - 100%   |   |
|     | 44  |     | <b>Weiss fein (16 Bit)</b> 0 - 100%   |   |

# English

## 4.1 Menu navigation



## 5. DMX Protocol

The Sparx7 offers 3 different channel modes. In the menu area *PERSONALITY, DMX MODE* you can select your mode. The used mode will be displayed in the main menu.

### Mode 1

|                |                |                |
|----------------|----------------|----------------|
| channel no. 1  | pan            |                |
| channel no. 2  | pan fine       |                |
| channel no. 3  | tilt           |                |
| channel no. 4  | tilt fine      |                |
| channel no. 5  | control        |                |
| channel no. 6  | shutter        |                |
| channel no. 7  | dimmer         |                |
| channel no. 8  | zoom           |                |
| channel no. 9  | mapping        |                |
| channel no. 10 | pattern mode   |                |
| channel no. 11 | pattern        |                |
| channel no. 12 | pattern speed  |                |
| channel no. 13 | colour spread  |                |
| channel no. 14 | sparkle        |                |
| channel no. 15 | sparkle speed  |                |
| channel no. 16 | CTC            |                |
| channel no. 17 | colour wheel   |                |
| channel no. 18 | speed pan/tilt |                |
| channel no. 19 | speed effects  |                |
| channel no. 20 | blackout move  |                |
| channel no. 21 | red            | } glow RGBW    |
| channel no. 22 | green          |                |
| channel no. 23 | blue           |                |
| channel no. 24 | white          | } main RGBW    |
| channel no. 25 | red            |                |
| channel no. 26 | green          |                |
| channel no. 27 | blue           | } pattern RGBW |
| channel no. 28 | white          |                |
| channel no. 29 | red            |                |
| channel no. 30 | green          | } main RGBW    |
| channel no. 31 | blue           |                |
| channel no. 32 | white          |                |

### Mode 2

|                |                |                |
|----------------|----------------|----------------|
| channel no. 1  | pan            |                |
| channel no. 2  | pan fine       |                |
| channel no. 3  | tilt           |                |
| channel no. 4  | tilt fine      |                |
| channel no. 5  | control        |                |
| channel no. 6  | shutter        |                |
| channel no. 7  | dimmer         |                |
| channel no. 8  | zoom           |                |
| channel no. 9  | mapping        |                |
| channel no. 10 | pattern mode   |                |
| channel no. 11 | pattern        |                |
| channel no. 12 | pattern speed  |                |
| channel no. 13 | colour spread  |                |
| channel no. 14 | sparkle        |                |
| channel no. 15 | sparkle speed  |                |
| channel no. 16 | CTC            |                |
| channel no. 17 | colour wheel   |                |
| channel no. 18 | speed pan/tilt |                |
| channel no. 19 | speed effects  |                |
| channel no. 20 | blackout move  |                |
| channel no. 21 | red            | } glow RGBW    |
| channel no. 22 | red fine       |                |
| channel no. 23 | green          |                |
| channel no. 24 | green fine     | } main RGBW    |
| channel no. 25 | blue           |                |
| channel no. 26 | blue fine      |                |
| channel no. 27 | white          | } pattern RGBW |
| channel no. 28 | white fine     |                |
| channel no. 29 | red            |                |
| channel no. 30 | red fine       | } main RGBW    |
| channel no. 31 | green          |                |
| channel no. 32 | green fine     |                |
| channel no. 33 | blue           | } pattern RGBW |
| channel no. 34 | blue fine      |                |
| channel no. 35 | white          |                |
| channel no. 36 | white fine     | } main RGBW    |
| channel no. 37 | red            |                |
| channel no. 38 | red fine       |                |
| channel no. 39 | green          | } pattern RGBW |
| channel no. 40 | green fine     |                |
| channel no. 41 | blue           |                |
| channel no. 42 | blue fine      | } main RGBW    |
| channel no. 43 | white          |                |
| channel no. 44 | white fine     |                |

**Mode 3**

channel no. 1 pan  
channel no. 2 pan fine  
channel no. 3 tilt  
channel no. 4 tilt fine  
channel no. 5 control  
channel no. 6 shutter  
channel no. 7 dimmer  
channel no. 8 zoom  
channel no. 9 mapping  
channel no. 10 pattern mode  
channel no. 11 pattern  
channel no. 12 pattern speed  
channel no. 13 colour spread  
channel no. 14 sparkle  
channel no. 15 sparkle speed  
channel no. 16 CTC  
channel no. 17 colour wheel  
channel no. 18 speed pan/tilt  
channel no. 19 speed effects  
channel no. 20 blackout move  
channel no. 21 red  
channel no. 22 green  
channel no. 23 blue  
channel no. 24 white










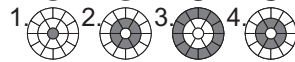
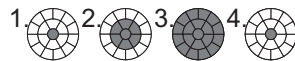

## Channel allocation

| MO1 | MO2 | MO3 | Funktion                                  | DMX  |
|-----|-----|-----|---|--|
| 1   | 1   | 1   | <b>pan</b> (X) movement 430°              | 000-255  |
| 2   | 2   | 2   | <b>pan</b> (X) fine                       | 000-255  |
| 3   | 3   | 3   | <b>tilt</b> (Y) movement 300°             | 000-255  |
| 4   | 4   | 4   | <b>tilt</b> (Y) fine                      | 000-255  |
| 5   | 5   | 5   | <b>control</b>                            |  |
|     |     |     | full output power on LED                  | 000-007  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance on RGBW (white 8500K)      | 008-015  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance on RGBW (white 6500K)      | 016-023  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance for colour picker function | 024-031  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     |   | Lighting desk<br>Mode 1<br>(reaction time<br>fast) |
|     |     |     | full output power on LED                  | 032-039  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance on RGBW (white 8500K)      | 040-047  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance on RGBW (white 6500K)      | 048-055  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance for colour picker function | 056-063  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     |   | Lighting desk<br>Mode 2                            |
|     |     |     | full output power on LED                  | 064-071  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance on RGBW (white 8500K)      | 072-079  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance on RGBW (white 6500K)      | 080-087  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance for colour picker function | 088-095  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     |   | Lighting desk<br>Mode 3                            |
|     |     |     | full output power on LED                  | 096-103  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance on RGBW (white 8500K)      | 104-111  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance on RGBW (white 6500K)      | 112-119  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance for colour picker function | 120-127  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     |   | Lighting desk<br>Mode 4                            |
|     |     |     | full output power on LED                  | 128-135  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance on RGBW (white 8500K)      | 136-143  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance on RGBW (white 6500K)      | 144-151  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     | colour balance for colour picker function | 152-159  |
|     |     |     | fade out with fader (slow - fast)         |  |
|     |     |     |   | Lighting desk<br>Mode 5<br>(reaction time<br>slow) |
|     |     |     | safe                                      | 160-207  |
|     |     |     | camera mode 50Hz (after 2 seconds)        | 208-215  |
|     |     |     | camera mode 60Hz (after 2 seconds)        | 216-223  |
|     |     |     | camera mode FLEX (after 2 seconds)        | 224-231  |
|     |     |     | safe                                      | 232-239  |
|     |     |     | reset (after 2 second)                    | 240-247  |
|     |     |     | safe                                      | 248-255  |

| MO1 | MO2 | MO3 | Funktion   | DMX   |
|-----|-----|-----|--|---|
| 6   | 6   | 6   | <b>shutter</b><br>shutter closed<br>shutter open<br>shutter pulse opening >20Hz (0,6sec - 4,8sec)<br>shutter open<br>fade-effect with dimmer (slow - fast)<br>shutter open<br>shutter closed<br>shutter pulse opening <20Hz (0,6sec - 4,8sec)<br>shutter open<br>shutter pulse closing (0,6sec - 4,8sec)<br>shutter closed<br>shutter fade 0% (0,6sec - 4,8sec)<br>shutter open<br>shutter fade 100% (0,6sec - 4,8sec)<br>shutter closed<br>shutter random 100% (0,6sec - 4,8sec)<br>shutter open<br>shutter random 0% (0,6sec - 4,8sec)<br>shutter closed<br>s. random fade 0% (0,6sec - 4,8sec)<br>shutter open<br>s. random fade 100% (0,6sec - 4,8sec)<br>shutter open | 000-015<br>016-095<br>096-110<br>111<br>112-125<br>126<br>127<br>128-142<br>143<br>144-158<br>159<br>160-174<br>175<br>176-190<br>191<br>192-206<br>207<br>208-222<br>223<br>224-238<br>239<br>240-254<br>255 |
| 7   | 7   | 7   | <b>dimmer</b> 0 - 100%   | 000-255   |
| 8   | 8   | 8   | <b>zoom</b> min - max  | 000-255   |
| 9   | 9   | 9   | <b>mapping</b><br>no mapping, pattern circular<br>mapping no. 1<br>mapping no. 2<br>mapping no. 3<br>mapping no. 5<br>mapping no. 4<br>mapping no. 6<br>mapping no. 7<br>mapping no. 8<br>mapping no. 9<br>mapping no. 10<br>mapping no. 11<br>mapping no. 12<br>mapping no. 13<br>mapping no. 14<br>mapping no. 15  | 000<br>001<br>002<br>003<br>004<br>005<br>006<br>007<br>008<br>009<br>010<br>011<br>012<br>013<br>014<br>015  |

| MO1 | MO2 | MO3 | Funktion       | DMX                 |
|-----|-----|-----|----------------|---------------------|
|     |     |     | mapping no. 16 | 1.  2.  3.  4.  016 |
|     |     |     | mapping no. 17 | 1.  2.  3.  4.  017 |
|     |     |     | mapping no. 18 | 1.  2.  3.  4.  018 |
|     |     |     | mapping no. 19 | 1.  2.  3.  4.  019 |
|     |     |     | mapping no. 20 | 1.  2.  3.  4.  020 |
|     |     |     | mapping no. 21 | 1.  2.  3.  4.  021 |
|     |     |     | mapping no. 22 | 1.  2.  3.  4.  022 |
|     |     |     | mapping no. 23 | 1.  2.  3.  4.  023 |
|     |     |     | mapping no. 24 | 1.  2.  3.  4.  024 |
|     |     |     | mapping no. 25 | 1.  2.  3.  4.  025 |
|     |     |     | mapping no. 26 | 1.  2.  3.  4.  026 |
|     |     |     | mapping no. 27 | 1.  2.  3.  4.  027 |
|     |     |     | mapping no. 28 | 1.  2.  3.  4.  028 |
|     |     |     | mapping no. 29 | 1.  2.  3.  4.  029 |
|     |     |     | mapping no. 30 | 1.  2.  3.  4.  030 |
|     |     |     | mapping no. 31 | 1.  2.  3.  4.  031 |
|     |     |     | mapping no. 32 | 1.  2.  3.  4.  032 |
|     |     |     | mapping no. 33 | 1.  2.  3.  4.  033 |
|     |     |     | mapping no. 34 | 1.  2.  3.  4.  034 |
|     |     |     | mapping no. 35 | 1.  2.  3.  4.  035 |
|     |     |     | mapping no. 36 | 1.  2.  3.  4.  036 |
|     |     |     | mapping no. 37 | 1.  2.  3.  4.  037 |
|     |     |     | mapping no. 38 | 1.  2.  3.  4.  038 |
|     |     |     | mapping no. 39 | 1.  2.  3.  4.  039 |
|     |     |     | mapping no. 40 | 1.  2.  3.  4.  040 |
|     |     |     | mapping no. 41 | 1.  2.  3.  4.  041 |
|     |     |     | mapping no. 42 | 1.  2.  3.  4.  042 |
|     |     |     | mapping no. 43 | 1.  2.  3.  4.  043 |
|     |     |     | not used       | 044-099             |
|     |     |     | numery 0-9     | 100-109             |
|     |     |     | smiley small   | 110                 |
|     |     |     | smiley big     | 111                 |
|     |     |     | not used       | 112-219             |

| MO1 | MO2 | MO3 | Funktion   | DMX   |
|-----|-----|-----|--|---|
|     |     |     | static mapping no. 1   | 220   |
|     |     |     | static mapping no. 2   | 221   |
|     |     |     | static mapping no. 3   | 222   |
|     |     |     | static mapping no. 4   | 223   |
|     |     |     | static mapping no. 5   | 224   |
|     |     |     | static mapping no. 6   | 225   |
|     |     |     | not used   | 226-255   |
| 10  | 10  | 10  | <b>pattern mode</b><br><b>block 0-31: RGBW LED's which are not included in the actual mapping are deactivated</b><br>pattern fade<br>pattern switch<br>pattern switch with crossfade clockwise<br>pattern switch with crossfade anti clockwise<br>pixel random flash fast<br>pixel random snap open / ramp close<br>pixel random flash slow<br>pixel random ramp open / snap close<br>pixel random flash fast<br>pixel random snap open / ramp close<br>pixel random flash slow<br>pixel random ramp open / snap close<br>static effects<br><b>block 32-63: RGBW LED's which are not included in the actual mapping illuminates in foreground color!</b><br>pattern fade<br>pattern switch<br>pattern switch with crossfade clockwise<br>pattern switch with crossfade anti clockwise<br>pixel random flash fast<br>pixel random snap open / ramp close<br>pixel random flash slow<br>pixel random ramp open / snap close<br>pixel random flash fast<br>pixel random snap open / ramp close<br>pixel random flash slow<br>pixel random ramp open / snap close<br>static effects<br><b>block 64-95: RGBW LED's which are not included in the actual mapping illuminates in background color!</b><br>pattern fade<br>pattern switch<br>pattern switch with crossfade clockwise<br>pattern switch with crossfade anti clockwise<br>pixel random flash fast<br>pixel random snap open / ramp close<br>pixel random flash slow<br>pixel random ramp open / snap close<br>pixel random flash fast<br>pixel random snap open / ramp close<br>pixel random flash slow<br>pixel random ramp open / snap close<br>static effects | 000<br>001<br>002<br>003<br>004<br>005<br>006<br>007<br>008<br>009<br>010<br>011<br>012-031<br>032<br>033<br>034<br>035<br>036<br>037<br>038<br>039<br>040<br>041<br>042<br>043<br>044-063<br>064<br>065<br>066<br>067<br>068<br>069<br>070<br>071<br>072<br>073<br>074<br>075<br>076-095 |

| MO1 | MO2 | MO3 | Funktion   | DMX |
|-----|-----|-----|--|-----|
|     |     |     | <p><b>block 96-127: RGBW LED's which are not included in the actual mapping illuminates in glow RGBW color!</b></p> <p>pattern fade 096<br/>           pattern switch 097<br/>           pattern switch with crossfade clockwise 098<br/>           pattern switch with crossfade anti clockwise 099<br/>           pixel random flash fast 100<br/>           pixel random snap open / ramp close } regular interval 101<br/>           pixel random flash slow }<br/>           pixel random ramp open / snap close }<br/>           pixel random flash fast } random interval 104<br/>           pixel random snap open / ramp close }<br/>           pixel random flash slow }<br/>           pixel random ramp open / snap close }<br/>           static effects 108-127</p> <p><b>block 128-159: RGBW LED's which are not included in the actual mapping illuminates in glow RGBW color. Glow RGBW not included in the effect colors!</b></p> <p>pattern fade 128<br/>           pattern switch 129<br/>           pattern switch with crossfade clockwise 130<br/>           pattern switch with crossfade anti clockwise 131<br/>           pixel random flash fast 132<br/>           pixel random snap open / ramp close } regular interval 133<br/>           pixel random flash slow }<br/>           pixel random ramp open / snap close }<br/>           pixel random flash fast } random interval 136<br/>           pixel random snap open / ramp close }<br/>           pixel random flash slow }<br/>           pixel random ramp open / snap close }<br/>           static effects 140-159</p> <p><b>block 160-191: same as block 0-31 without Glow RGBW (use together with color spread channel - working with foreground color)!</b></p> <p>pattern fade 160<br/>           pattern switch 161<br/>           pattern switch with crossfade clockwise 162<br/>           pattern switch with crossfade anti clockwise 163<br/>           pixel random flash fast 164<br/>           pixel random snap open / ramp close } regular interval 165<br/>           pixel random flash slow }<br/>           pixel random ramp open / snap close }<br/>           pixel random flash fast } random interval 168<br/>           pixel random snap open / ramp close }<br/>           pixel random flash slow }<br/>           pixel random ramp open / snap close }<br/>           static effects 172-191<br/>           macro area, combined effects included mappings, pattern mode and patterns 192-235<br/>           not used 236-255</p> |     |
| 11  | 11  | 11  | <p><b>pattern</b></p> <p>pattern off 000<br/>           pattern no. 1<br/>  001<br/>           pattern no. 2<br/>  002<br/>           pattern no. 3<br/>  003<br/>           pattern no. 4<br/>  004</p>   |     |

| MO1 | MO2 | MO3 | Funktion  | DMX     |
|-----|-----|-----|---|---------|
|     |     |     | pattern no. 5   | 005     |
|     |     |     | pattern no. 6   | 006     |
|     |     |     | pattern no. 7   | 007     |
|     |     |     | not used  | 008-127 |
|     |     |     | random pattern 1 - 7                                      | 128-135 |
|     |     |     | not used  | 136-255 |
| 12  | 12  | 12  | <b>pattern speed</b>                                      |         |
|     |     |     | clockwise (fast - slow)                                   | 000-126 |
|     |     |     | stop  | 127-128 |
|     |     |     | anti clockwise (slow - fast)                              | 129-255 |
| 13  | 13  | 13  | <b>color spread</b>                                       |         |
|     |     |     | color spread off  | 000     |
|     |     |     | color spread snap increasing indexable clockwise          | 001-063 |
|     |     |     | color spread snap increasing clockwise (fast - slow)      | 064-094 |
|     |     |     | stop  | 095-096 |
|     |     |     | color spread snap decreasing anti clockwise (slow - fast) | 097-127 |
|     |     |     | color spread fade decreasing indexable anti clockwise     | 128-191 |
|     |     |     | color spread fade decreasing anti clockwise (fast - slow) | 192-222 |
|     |     |     | stop  | 223-224 |
|     |     |     | color spread fade decreasing anti clockwise (slow - fast) | 225-255 |
| 14  | 14  | 14  | <b>sparkle</b>  |         |
|     |     |     | sparkle effects off                                       | 000     |
|     |     |     | sparkle effects intensiy (min - max)                      | 001-255 |
| 15  | 15  | 15  | <b>sparkle speed</b>                                      |         |
|     |     |     | sparkle effects fade (slow - fast)                        | 000-031 |
|     |     |     | Sparkle effects switch (slow - fast)                      | 032-063 |
|     |     |     | replay of the fade and switch block                       | 064-255 |
| 16  | 16  | 16  | <b>ctc 0 - 100%</b>                                       | 000-255 |
| 17  | 17  | 17  | <b>colour wheel</b>                                       |         |
|     |     |     | inactive, colour mixing with RGB                          | 000-001 |
|     |     |     | white   | 002-003 |
|     |     |     | white/red   | 004-007 |
|     |     |     | red   | 008-011 |
|     |     |     | red/yellow  | 012-015 |
|     |     |     | yellow  | 016-019 |
|     |     |     | yellow/magenta  | 020-023 |
|     |     |     | magenta   | 024-027 |
|     |     |     | magenta/green   | 028-031 |
|     |     |     | green   | 032-035 |
|     |     |     | green/amber   | 036-039 |
|     |     |     | amber   | 040-043 |
|     |     |     | amber/blue  | 044-047 |
|     |     |     | blue  | 048-051 |
|     |     |     | blue/cyan   | 052-055 |
|     |     |     | cyan  | 056-059 |
|     |     |     | cyan/white  | 060-063 |
|     |     |     | white 2700 Kelvin   | 064     |
|     |     |     | white 2700 Kelvin tungsten fade out                       | 065     |
|     |     |     | white 3200 Kelvin   | 066     |
|     |     |     | white 3200 Kelvin tungsten fade out                       | 067     |
|     |     |     | white 4200 Kelvin   | 068     |
|     |     |     | white 5600 Kelvin   | 069     |

| MO1 | MO2 | MO3 | Funktion   | DMX   |
|-----|-----|-----|--|---|
|     |     |     | white 6500 Kelvin<br>white 8000 Kelvin<br>colour wheel rotating clockwise (fast - slow)<br>colour wheel rotation stop<br>colour wheel anti clockwise (slow - fast)   | 070<br>071-191<br>192-222<br>223-224<br>225-255                           |
| 18  | 18  | 18  | <b>pan/tilt speed</b><br>moves in realtime<br>moves delayed (fast - slow)  | 000-003<br>004-255  |
| 19  | 19  | 19  | <b>effect speed</b><br>effects in realtime<br>effects delayed (fast - slow)  | 000-003<br>004-255  |
| 20  | 20  | 20  | <b>blackout move</b><br>no function<br>shutter working on selected mapping<br><br>black out at pan/tilt moves<br>black out at colour changing<br>no function<br>black out at colour changes and pan/tilt moves<br>The dimmer fade time can be adjusted from slow 5sec. to max. | 000<br>001-070<br><br>071-095<br>096-127<br>128-159<br>160-223<br>224-255 |
| 21  | 21  |     | <b>red (8 Bit)</b> 0 - 100%  | } Glow RGBW<br>000-255  |
|     | 22  |     | <b>red fine (16 Bit)</b> 0 - 100%  |   |
| 22  | 23  |     | <b>green (8 Bit)</b> 0 - 100%  |   |
|     | 24  |     | <b>green fine (16 Bit)</b> 0 - 100%  |   |
| 23  | 25  |     | <b>blue (8 Bit)</b> 0 - 100%   |   |
|     | 26  |     | <b>blue fine (16 Bit)</b> 0 - 100%   |   |
| 24  | 27  |     | <b>white (8 Bit)</b> 0 - 100%  |   |
|     | 28  |     | <b>white fine (16 Bit)</b> 0 - 100%  |   |
| 25  | 29  | 21  | <b>red (8 Bit)</b> 0 - 100%  | } Main RGBW<br>000-255  |
|     | 30  |     | <b>red fine (16 Bit)</b> 0 - 100%  |   |
| 26  | 31  | 22  | <b>green (8 Bit)</b> 0 - 100%  |   |
|     | 32  |     | <b>green fine (16 Bit)</b> 0 - 100%  |   |
| 27  | 33  | 23  | <b>blue (8 Bit)</b> 0 - 100%   |   |
|     | 34  |     | <b>blue fine (16 Bit)</b> 0 - 100%   |   |
| 28  | 35  | 24  | <b>white (8 Bit)</b> 0 - 100%  |   |
|     | 36  |     | <b>white fine (16 Bit)</b> 0 - 100%  |   |
| 29  | 37  |     | <b>red (8 Bit)</b> 0 - 100%  | } Pattern RGBW<br>000-255   |
|     | 38  |     | <b>red fine (16 Bit)</b> 0 - 100%  |   |
| 30  | 39  |     | <b>green (8 Bit)</b> 0 - 100%  |   |
|     | 40  |     | <b>green fine (16 Bit)</b> 0 - 100%  |   |
| 31  | 41  |     | <b>blue (8 Bit)</b> 0 - 100%   |   |
|     | 42  |     | <b>blue fine (16 Bit)</b> 0 - 100%   |   |
| 32  | 43  |     | <b>white (8 Bit)</b> 0 - 100%  |   |
|     | 44  |     | <b>white fine (16 Bit)</b> 0 - 100%  |   |



JB-lighting Lichtenlagentechnik GmbH  
Sallersteig 15  
D-89134 Blaustein  
Tel. +49 7304 9617-0  
Fax +49 7304 9617-99  
info@jb-lighting.de  
www.jb-lighting.de

**JB LIGHTING**