MATRIX B2 IP DMX CHART

00 DMX Channel Modes

This chart lists the DMX512 channel modes of the SSP Matrix B2 IP LED blinder. Select one mode on the fixture and assign the channels in the order shown in the matching table. DMX values are inclusive ranges from 0 to 255.

Setting	Range / options	Display menu
DMX mode	1CH DWE / 2CH DWE / 4CH DWE / 9CH DWE+ / 6CH STROBE / 6CH RGB / 10CH BASIC RGB / 14CH BASIC RGB / 13CH STANDARD RGB / 22CH STANDARD RGB / 24CH EXTENDED RGB / 33CH EXTENDED RGB / 10CH DIRECT / 12CH DIRECT / 17CH DIRECT / 28CH DIRECT / 41CH DIRECT	DMX Mode

Note: Color card (macro value: color): 1 Oyster white, 2 Beige, 3 Golden, 4 Beige color, 5 Ivory color, 6 Light ivory color, 7 Dark yellow, 8 Canary yellow, 9 Light orange yellow, 10 Yellow orange, 11 Light orange, 12 Pure orange, 13 Salmon orange, 14 Pearl orange, 15 Flame red, 16 Signal red, 17 Carmine, 18 Ruby red, 19 Purple red, 20 Tomato red, 21 Antique pink, 22 Rose pink, 23 Coral red, 24 Rose, 25 Traffic red, 26 Purple red, 27 Eastern red, 28 Wine red, 29 Oxidation red, 30 Red lilac, 31 Shi Nanzi, 32 Dingxiang blue, 33 Pearl purple, 34 Pearl blackberry, 35 Pigeon blue, 36 Sky blue, 37 Light blue, 38 Gentian blue, 39 Bright blue, 40 Changing blue, 41 Water blue, 42 Far blue, 43 Wathet, 44 Pearl gentian blue, 45 Pearl night blue, 46 Patina green, 47 Emerald green, 48 Leaf green, 49 Grass green, 50 Yellow green, 51 Green traffic, 52 Fern green, 53 Opal green, 54 Light green, 55 Pastel turquoise, 56 Silk grey, 57 Cream color, 58 Signal white, 59 Light brown, 60 Orange yellow brown.

01 1 Channel Mode

Channel	DMX value	Description
1 Dimmer	0–255	Manifested as the current color temperature in color temperature mode

02 2 Channel Mode

Channel		DMX value	Description
1	Dimmer 1	0–255	Manifested as the current color temperature in color temperature mode
2	Dimmer 2	0–255	Manifested as the current color temperature in color temperature mode

03 4 Channel Mode

Channel	DMX value	Description
1 Dimmer	0–255	Manifested as the current color temperature in color temperature mode
2 Dimmer Curve	0–51	Current preset from menu settings
	52–101	Linear dimmer curve
	102–152	Square dimmer curve
	153–203	Anti-square dimmer curve
	204–255	S-line dimmer curve
3 Dimmer Response	0–63	Current preset from menu settings
	64–127	LED/fast
	128–191	Medium
	192–255	Halogen/slow
4 Redshift	0–84	Current preset from menu settings
	85–170	Off
	171–255	On

04 9 Channel Mode

Channel	DMX value	Description
1 Dimmer	0–255	Dimmer
2 Strobe	–	If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least
	0–19	Shutter close
	20–24	Shutter open
	25–64	Normal strobe (fast → slow)
	65–69	Shutter open
	70–109	Opening pulse (fast → slow)
	110–114	Shutter open
	115–154	Closing pulse (fast → slow)
	155–159	Shutter open
	160–199	Random strobe (fast → slow)
	200–204	Shutter open
	205–244	Lightning strobe (fast → slow)
	245–255	Shutter open
3 R Dimmer	0–255	R Dimmer
4 G Dimmer	0–255	G Dimmer
5 B Dimmer	0–255	B Dimmer
6 CCT (affects RGB)	0–4	2900K
	5–255	2000K–10000K, linear in 31–32K steps
7 Dimmer Curve	0–51	Current preset from menu settings
	52–101	Linear dimmer curve
	102–152	Square dimmer curve
	153–203	Anti-square dimmer curve
	204–255	S-line dimmer curve
8 Dimmer Response	0–63	Current preset from menu settings
	64–127	LED/fast
	128–191	Medium
	192–255	Halogen/slow
9 Redshift	0–84	Current preset from menu settings
	85–170	Off
	171–255	On

05 6 Channel Mode (Strobe)

Channel	DMX value	Description
1 Dimmer	0–255	Dimmer
2 Strobe	–	If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least
	0–19	Shutter close
	20–24	Shutter open
	25–64	Normal strobe (fast → slow)
	65–69	Shutter open
	70–109	Opening pulse (fast → slow)
	110–114	Shutter open
	115–154	Closing pulse (fast → slow)
	155–159	Shutter open
	160–199	Random strobe (fast → slow)
	200–204	Shutter open
	205–244	Lightning strobe (fast → slow)
	245–255	Shutter open
3 Duration	–	Extend the lighting time during flicker, only applicable to the normal flicker of channel 2 (025–064)
4 Dimmer 1	0–255	Dimmer 1
5 Dimmer 2	0–255	Dimmer 2
6 CCT	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps

06 6 Channel Mode (RGB)

Channel		DMX value	Description
1	R1 dimmer	0–255	R1 dimmer
2	G1 dimmer	0–255	G1 dimmer
3	B1 dimmer	0–255	B1 dimmer
4	R2 dimmer	0–255	R2 dimmer
5	G2 dimmer	0–255	G2 dimmer
6	B2 dimmer	0–255	B2 dimmer

07 10 Channel Mode (Basic RGB)

Channel	DMX value	Description
1 Dimmer	0–255	Dimmer
2 Strobe	–	If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least
	0–19	Shutter close
	20–24	Shutter open
	25–64	Normal strobe (fast → slow)
	65–69	Shutter open
	70–109	Opening pulse (fast → slow)
	110–114	Shutter open
	115–154	Closing pulse (fast → slow)
	155–159	Shutter open
	160–199	Random strobe (fast → slow)
	200–204	Shutter open
	205–244	Lightning strobe (fast → slow)
	245–255	Shutter open
3 R dimmer	0–255	R dimmer
4 G dimmer	0–255	G dimmer
5 B dimmer	0–255	B dimmer
6 CCT (affects RGB)	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps
7 Tint (affects CCT and RGB)	1–127	Magenta → neutral
	0, 128	Neutral
	129–255	Neutral → green
8 Color Macro (override RGB/CCT)	0	Empty
	1–255	Uniformly distribute 60 colored papers (see color card note)
9 Color Macro Crossfade	0–5	Empty
	6–255	The transition time is getting longer and longer
10 Device Settings	–	The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting. The following functions require a 3-second pause to take effect.
	0–29	No function
	30–34	8-bit
	35–39	16-bit
	40–44	No function
	45–49	DMX fail: blackout
	50–54	DMX fail: hold

Channel	DMX value	Description
	55–59	DMX fail: emergency light
	60–64	No function
	65–69	Linear dimming curve
	70–74	Square dimming curve
	75–79	Anti-square dimming curve
	80–84	S dimming curve
	85–89	No function
	90–94	Dimmer response fast
	95–99	Dimmer response medium
	100–104	Dimmer response slow (halogen)
	105–109	No function
	110–114	Redshift on (affects only between 2700–3500K)
	115–119	Redshift off
	120–124	Device Settings
	125–139	No function
	140–144	LED frequency 1 kHz
	145–149	LED frequency 2 kHz
	150–154	LED frequency 4 kHz
	155–159	LED frequency 12 kHz
	160–164	LED frequency 16 kHz
	165–169	LED frequency 25 kHz
	170–174	No function
	175–179	Fan auto
	180–184	Fan silent
	185–189	Fan off
	190–194	Fan high power
	195–199	No function
	200–214	Invert mapping off
	215–219	Invert mapping on
	220–224	No function
	225–229	LED mode – low power
	230–234	LED mode – high power
	235–239	No function
	240–255	The current setting is invalid

08 14 Channel Mode

Channel	DMX value	Description
1 Dimmer	0–255	Dimmer
2 Dimmer fine-tuning	0–255	Dimmer fine-tuning
3 Strobe	–	If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least
	0–19	Shutter close
	20–24	Shutter open
	25–64	Normal strobe (fast → slow)
	65–69	Shutter open
	70–109	Opening pulse (fast → slow)
	110–114	Shutter open
	115–154	Closing pulse (fast → slow)
	155–159	Shutter open
	160–199	Random strobe (fast → slow)
	200–204	Shutter open
	205–244	Lightning strobe (fast → slow)
	245–255	Shutter open
4 R dimmer	0–255	R dimmer
5 R dimmer fine-tuning	0–255	R dimmer fine-tuning
6 G dimmer	0–255	G dimmer
7 G dimmer fine-tuning	0–255	G dimmer fine-tuning
8 B dimmer	0–255	B dimmer
9 B dimmer fine-tuning	0–255	B dimmer fine-tuning
10 CCT (affects RGB)	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps
11 Tint (affects CCT and RGB)	1–127	Magenta → neutral
	0, 128	Neutral
	129–255	Neutral → green
12 Color Macro (override RGB/CCT)	0	Empty
	1–255	Uniformly distribute 60 colored papers (see color card note)
13 Color Macro Crossfade	0–5	Empty
	6–255	The transition time is getting longer and longer
14 Device Settings	–	The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting. The following functions require a 3-second pause to take effect.
	0–29	No function
	30–34	8-bit

Channel	DMX value	Description
	35–39	16-bit
	40–44	No function
	45–49	DMX fail: blackout
	50–54	DMX fail: hold
	55–59	DMX fail: emergency light
	60–64	No function
	65–69	Linear dimming curve
	70–74	Square dimming curve
	75–79	Anti-square dimming curve
	80–84	S dimming curve
	85–89	No function
	90–94	Dimmer response fast
	95–99	Dimmer response medium
	100–104	Dimmer response slow (halogen)
	105–109	No function
	110–114	Redshift on (affects only between 2700–3500K)
	115–119	Redshift off
	120–124	Device Settings
	125–139	No function
	140–144	LED frequency 1 kHz
	145–149	LED frequency 2 kHz
	150–154	LED frequency 4 kHz
	155–159	LED frequency 12 kHz
	160–164	LED frequency 16 kHz
	165–169	LED frequency 25 kHz
	170–174	No function
	175–179	Fan auto
	180–184	Fan silent
	185–189	Fan off
	190–194	Fan high power
	195–199	No function
	200–214	Invert mapping off
	215–219	Invert mapping on
	220–224	No function
	225–229	LED mode – low power
	230–234	LED mode – high power
	235–239	No function

Channel	DMX value	Description
	240–255	The current setting is invalid

09 13 Channel Mode

Channel	DMX value	Description
1 Dimmer	0–255	Dimmer
2 Strobe	–	If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least
	0–19	Shutter close
	20–24	Shutter open
	25–64	Normal strobe (fast → slow)
	65–69	Shutter open
	70–109	Opening pulse (fast → slow)
	110–114	Shutter open
	115–154	Closing pulse (fast → slow)
	155–159	Shutter open
	160–199	Random strobe (fast → slow)
	200–204	Shutter open
	205–244	Lightning strobe (fast → slow)
	245–255	Shutter open
3 Dimmer 1	0–255	Dimmer 1
4 R1 dimmer	0–255	R1 dimmer
5 G1 dimmer	0–255	G1 dimmer
6 B1 dimmer	0–255	B1 dimmer
7 Dimmer 2	0–255	Dimmer 2
8 R2 dimmer	0–255	R2 dimmer
9 G2 dimmer	0–255	G2 dimmer
10 B2 dimmer	0–255	B2 dimmer
11 CCT (all)	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps
12 Tint (all)	1–127	Magenta → neutral
	0, 128	Neutral
	129–255	Neutral → green
13 Device Settings	–	The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting. The following functions require a 3-second pause to take effect.
	0–29	No function
	30–34	8-bit
	35–39	16-bit
	40–44	No function
	45–49	DMX fail: blackout

Channel	DMX value	Description
	50–54	DMX fail: hold
	55–59	DMX fail: emergency light
	60–64	No function
	65–69	Linear dimming curve
	70–74	Square dimming curve
	75–79	Anti-square dimming curve
	80–84	S dimming curve
	85–89	No function
	90–94	Dimmer response fast
	95–99	Dimmer response medium
	100–104	Dimmer response slow (halogen)
	105–109	No function
	110–114	Redshift on (affects only between 2700–3500K)
	115–119	Redshift off
	120–124	Device Settings
	125–139	No function
	140–144	LED frequency 1 kHz
	145–149	LED frequency 2 kHz
	150–154	LED frequency 4 kHz
	155–159	LED frequency 12 kHz
	160–164	LED frequency 16 kHz
	165–169	LED frequency 25 kHz
	170–174	No function
	175–179	Fan auto
	180–184	Fan silent
	185–189	Fan off
	190–194	Fan high power
	195–199	No function
	200–214	Invert mapping off
	215–219	Invert mapping on
	220–224	No function
	225–229	LED mode – low power
	230–234	LED mode – high power
	235–239	No function
	240–255	The current setting is invalid

10 22 Channel Mode

Channel	DMX value	Description
1 Dimmer	0–255	Dimmer
2 Dimmer fine-tuning	0–255	Dimmer fine-tuning
3 Strobe	–	If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least
	0–19	Shutter close
	20–24	Shutter open
	25–64	Normal strobe (fast → slow)
	65–69	Shutter open
	70–109	Opening pulse (fast → slow)
	110–114	Shutter open
	115–154	Closing pulse (fast → slow)
	155–159	Shutter open
	160–199	Random strobe (fast → slow)
	200–204	Shutter open
	205–244	Lightning strobe (fast → slow)
	245–255	Shutter open
4 Dimmer 1	0–255	Dimmer 1
5 Dimmer 1 fine-tuning	0–255	Dimmer 1 fine-tuning
6 R1 dimmer	0–255	R1 dimmer
7 R1 dimmer fine-tuning	0–255	R1 dimmer fine-tuning
8 G1 dimmer	0–255	G1 dimmer
9 G1 dimmer fine-tuning	0–255	G1 dimmer fine-tuning
10 B1 dimmer	0–255	B1 dimmer
11 B1 dimmer fine-tuning	0–255	B1 dimmer fine-tuning
12 Dimmer 2	0–255	Dimmer 2
13 Dimmer 2 fine-tuning	0–255	Dimmer 2 fine-tuning
14 R2 dimmer	0–255	R2 dimmer
15 R2 dimmer fine-tuning	0–255	R2 dimmer fine-tuning
16 G2 dimmer	0–255	G2 dimmer
17 G2 dimmer fine-tuning	0–255	G2 dimmer fine-tuning
18 B2 dimmer	0–255	B2 dimmer
19 B2 dimmer fine-tuning	0–255	B2 dimmer fine-tuning
20 CCT (all)	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps
21 Tint (all)	1–127	Magenta → neutral
	0, 128	Neutral

Channel	DMX value	Description
	129–255	Neutral → green
22 Device Settings	–	The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting. The following functions require a 3-second pause to take effect.
	0–29	No function
	30–34	8-bit
	35–39	16-bit
	40–44	No function
	45–49	DMX fail: blackout
	50–54	DMX fail: hold
	55–59	DMX fail: emergency light
	60–64	No function
	65–69	Linear dimming curve
	70–74	Square dimming curve
	75–79	Anti-square dimming curve
	80–84	S dimming curve
	85–89	No function
	90–94	Dimmer response fast
	95–99	Dimmer response medium
	100–104	Dimmer response slow (halogen)
	105–109	No function
	110–114	Redshift on (affects only between 2700–3500K)
	115–119	Redshift off
	120–124	Device Settings
	125–139	No function
	140–144	LED frequency 1 kHz
	145–149	LED frequency 2 kHz
	150–154	LED frequency 4 kHz
	155–159	LED frequency 12 kHz
	160–164	LED frequency 16 kHz
	165–169	LED frequency 25 kHz
	170–174	No function
	175–179	Fan auto
	180–184	Fan silent
	185–189	Fan off
	190–194	Fan high power
	195–199	No function
	200–214	Invert mapping off

Channel	DMX value	Description
	215–219	Invert mapping on
	220–224	No function
	225–229	LED mode – low power
	230–234	LED mode – high power
	235–239	No function
	240–255	The current setting is invalid

11 24 Channel Mode

Channel	DMX value	Description
1 Dimmer	0–255	Dimmer
2 Strobe	–	If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least
	0–19	Shutter close
	20–24	Shutter open
	25–64	Normal strobe (fast → slow)
	65–69	Shutter open
	70–109	Opening pulse (fast → slow)
	110–114	Shutter open
	115–154	Closing pulse (fast → slow)
	155–159	Shutter open
	160–199	Random strobe (fast → slow)
	200–204	Shutter open
	205–244	Lightning strobe (fast → slow)
	245–255	Shutter open
3 Duration	–	Extend the lighting time during flicker, only applicable to the normal flicker of channel 2 (025–064)
4 Dimmer 1	0–255	Dimmer 1
5 R1 dimmer	0–255	R1 dimmer
6 G1 dimmer	0–255	G1 dimmer
7 B1 dimmer	0–255	B1 dimmer
8 CCT 1 (affects RGB 1)	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps
9 Tint 1 (affects CCT and RGB 1)	1–127	Magenta → neutral
	0, 128	Neutral
	129–255	Neutral → green
10 Color Macro 1 (override RGB/CCT 1)	0	Empty
	1–255	Uniformly distribute 60 colored papers (see color card note)
11 Color Macro Crossfade 1	0–5	Empty
	6–255	The transition time is getting longer and longer
12 Dimmer 2	0–255	Dimmer 2
13 R2 dimmer	0–255	R2 dimmer
14 G2 dimmer	0–255	G2 dimmer
15 B2 dimmer	0–255	B2 dimmer
16 CCT 2 (affects RGB 2)	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps

Channel	DMX value	Description
17 Tint 2 (affects CCT and RGB 2)	1–127	Magenta → neutral
	0, 128	Neutral
	129–255	Neutral → green
18 Color Macro 2 (override RGB/CCT 2)	0	Empty
	1–255	Uniformly distribute 60 colored papers (see color card note)
19 Color Macro Crossfade 2	0–5	Empty
	6–255	The transition time is getting longer and longer
20 Effect (override RGB 1+2/CCT 1+2/Color Macro 1+2)	0–15	Empty
	16–39	Effect 1 (from slow to fast)
	40–63	Effect 2 (from slow to fast)
	64–87	Effect 3 (from slow to fast)
	88–111	Effect 4 (from slow to fast)
	112–135	Effect 5 (from slow to fast)
	136–159	Effect 6 (from slow to fast)
	160–183	Effect 7 (from slow to fast)
	184–207	Effect 8 (from slow to fast)
	208–231	Effect 9 (from slow to fast)
	232–255	Effect 10 (from slow to fast)
21 Dimmer Curve	0–51	Current preset from menu settings
	52–101	Linear dimmer curve
	102–152	Square dimmer curve
	153–203	Anti-square dimmer curve
	204–255	S-line dimmer curve
22 Dimmer Response	0–63	Current preset from menu settings
	64–127	LED/fast
	128–191	Medium
	192–255	Halogen/slow
23 Redshift	0–84	Current preset from menu settings
	85–170	Off
	171–255	On
24 Device Settings	–	The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting. The following functions require a 3-second pause to take effect.
	0–29	No function
	30–34	8-bit
	35–39	16-bit
	40–44	No function
	45–49	DMX fail: blackout

Channel	DMX value	Description
	50–54	DMX fail: hold
	55–59	DMX fail: emergency light
	60–64	No function
	65–69	Linear dimming curve
	70–74	Square dimming curve
	75–79	Anti-square dimming curve
	80–84	S dimming curve
	85–89	No function
	90–94	Dimmer response fast
	95–99	Dimmer response medium
	100–104	Dimmer response slow (halogen)
	105–109	No function
	110–114	Redshift on (affects only between 2700–3500K)
	115–119	Redshift off
	120–124	Device Settings
	125–139	No function
	140–144	LED frequency 1 kHz
	145–149	LED frequency 2 kHz
	150–154	LED frequency 4 kHz
	155–159	LED frequency 12 kHz
	160–164	LED frequency 16 kHz
	165–169	LED frequency 25 kHz
	170–174	No function
	175–179	Fan auto
	180–184	Fan silent
	185–189	Fan off
	190–194	Fan high power
	195–199	No function
	200–214	Invert mapping off
	215–219	Invert mapping on
	220–224	No function
	225–229	LED mode – low power
	230–234	LED mode – high power
	235–239	No function
	240–255	The current setting is invalid

12 33 Channel Mode

Channel	DMX value	Description
1 Dimmer	0–255	Dimmer
2 Dimmer fine-tuning	0–255	Dimmer fine-tuning
3 Strobe	–	If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least
	0–19	Shutter close
	20–24	Shutter open
	25–64	Normal strobe (fast → slow)
	65–69	Shutter open
	70–109	Opening pulse (fast → slow)
	110–114	Shutter open
	115–154	Closing pulse (fast → slow)
	155–159	Shutter open
	160–199	Random strobe (fast → slow)
	200–204	Shutter open
	205–244	Lightning strobe (fast → slow)
	245–255	Shutter open
4 Duration	–	Extend the lighting time during flicker, only applicable to the normal flicker of channel 2 (025–064)
5 Dimmer 1	0–255	Dimmer 1
6 Dimmer 1 fine-tuning	0–255	Dimmer 1 fine-tuning
7 R1 dimmer	0–255	R1 dimmer
8 R1 dimmer fine-tuning	0–255	R1 dimmer fine-tuning
9 G1 dimmer	0–255	G1 dimmer
10 G1 dimmer fine-tuning	0–255	G1 dimmer fine-tuning
11 B1 dimmer	0–255	B1 dimmer
12 B1 dimmer fine-tuning	0–255	B1 dimmer fine-tuning
13 CCT 1 (affects RGB 1)	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps
14 Tint 1 (affects CCT and RGB 1)	1–127	Magenta → neutral
	0, 128	Neutral
	129–255	Neutral → green
15 Color Macro 1 (override RGB/CCT 1)	0	Empty
	1–255	Uniformly distribute 60 colored papers (see color card note)
16 Color Macro Crossfade 1	0–5	Empty
	6–255	The transition time is getting longer and longer
17 Dimmer 2	0–255	Dimmer 2

Channel	DMX value	Description
18 Dimmer 2 fine-tuning	0–255	Dimmer 2 fine-tuning
19 R2 dimmer	0–255	R2 dimmer
20 R2 dimmer fine-tuning	0–255	R2 dimmer fine-tuning
21 G2 dimmer	0–255	G2 dimmer
22 G2 dimmer fine-tuning	0–255	G2 dimmer fine-tuning
23 B2 dimmer	0–255	B2 dimmer
24 B2 dimmer fine-tuning	0–255	B2 dimmer fine-tuning
25 CCT 2 (affects RGB 2)	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps
26 Tint 2 (affects CCT and RGB 2)	1–127	Magenta → neutral
	0, 128	Neutral
	129–255	Neutral → green
27 Color Macro 2 (override RGB/CCT 2)	0	Empty
	1–255	Uniformly distribute 60 colored papers (see color card note)
28 Color Macro Crossfade 2	0–5	Empty
	6–255	The transition time is getting longer and longer
29 Effect (override RGB 1+2/CCT 1+2/Color Macro 1+2)	0–15	Empty
	16–39	Effect 1 (from slow to fast)
	40–63	Effect 2 (from slow to fast)
	64–87	Effect 3 (from slow to fast)
	88–111	Effect 4 (from slow to fast)
	112–135	Effect 5 (from slow to fast)
	136–159	Effect 6 (from slow to fast)
	160–183	Effect 7 (from slow to fast)
	184–207	Effect 8 (from slow to fast)
	208–231	Effect 9 (from slow to fast)
	232–255	Effect 10 (from slow to fast)
30 Dimmer Curve	0–51	Current preset from menu settings
	52–101	Linear dimmer curve
	102–152	Square dimmer curve
	153–203	Anti-square dimmer curve
	204–255	S-line dimmer curve
31 Dimmer Response	0–63	Current preset from menu settings
	64–127	LED/fast
	128–191	Medium
	192–255	Halogen/slow
32 Redshift	0–84	Current preset from menu settings

Channel	DMX value	Description
	85–170	Off
	171–255	On
33 Device Settings	–	The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting. The following functions require a 3-second pause to take effect.
	0–29	No function
	30–34	8-bit
	35–39	16-bit
	40–44	No function
	45–49	DMX fail: blackout
	50–54	DMX fail: hold
	55–59	DMX fail: emergency light
	60–64	No function
	65–69	Linear dimming curve
	70–74	Square dimming curve
	75–79	Anti-square dimming curve
	80–84	S dimming curve
	85–89	No function
	90–94	Dimmer response fast
	95–99	Dimmer response medium
	100–104	Dimmer response slow (halogen)
	105–109	No function
	110–114	Redshift on (affects only between 2700–3500K)
	115–119	Redshift off
	120–124	Device Settings
	125–139	No function
	140–144	LED frequency 1 kHz
	145–149	LED frequency 2 kHz
	150–154	LED frequency 4 kHz
	155–159	LED frequency 12 kHz
	160–164	LED frequency 16 kHz
	165–169	LED frequency 25 kHz
	170–174	No function
	175–179	Fan auto
	180–184	Fan silent
	185–189	Fan off
	190–194	Fan high power
	195–199	No function

Channel	DMX value	Description
	200–214	Invert mapping off
	215–219	Invert mapping on
	220–224	No function
	225–229	LED mode – low power
	230–234	LED mode – high power
	235–239	No function
	240–255	The current setting is invalid

13 10 Channel Mode (Direct)

Channel		DMX value	Description
1	R1 dimmer	0–255	R1 dimmer
2	G1 dimmer	0–255	G1 dimmer
3	B1 dimmer	0–255	B1 dimmer
4	A1 dimmer	0–255	A1 dimmer
5	W1 dimmer	0–255	W1 dimmer
6	R2 dimmer	0–255	R2 dimmer
7	G2 dimmer	0–255	G2 dimmer
8	B2 dimmer	0–255	B2 dimmer
9	A2 dimmer	0–255	A2 dimmer
10	W2 dimmer	0–255	W2 dimmer

14 12 Channel Mode

Channel	DMX value	Description
1 Dimmer	0–255	Dimmer
2 Strobe	–	If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least
	0–19	Shutter close
	20–24	Shutter open
	25–64	Normal strobe (fast → slow)
	65–69	Shutter open
	70–109	Opening pulse (fast → slow)
	110–114	Shutter open
	115–154	Closing pulse (fast → slow)
	155–159	Shutter open
	160–199	Random strobe (fast → slow)
	200–204	Shutter open
	205–244	Lightning strobe (fast → slow)
	245–255	Shutter open
3 R dimmer	0–255	R dimmer
4 G dimmer	0–255	G dimmer
5 B dimmer	0–255	B dimmer
6 A dimmer	0–255	A dimmer
7 W dimmer	0–255	W dimmer
8 CCT (affects RGB)	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps
9 Tint (affects CCT and RGB)	1–127	Magenta → neutral
	0, 128	Neutral
	129–255	Neutral → green
10 Color Macro (override RGB/CCT)	0	Empty
	1–255	Uniformly distribute 60 colored papers (see color card note)
11 Color Macro Crossfade	0–5	Empty
	6–255	The transition time is getting longer and longer
12 Device Settings	–	The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting. The following functions require a 3-second pause to take effect.
	0–29	No function
	30–34	8-bit
	35–39	16-bit
	40–44	No function

Channel	DMX value	Description
	45–49	DMX fail: blackout
	50–54	DMX fail: hold
	55–59	DMX fail: emergency light
	60–64	No function
	65–69	Linear dimming curve
	70–74	Square dimming curve
	75–79	Anti-square dimming curve
	80–84	S dimming curve
	85–89	No function
	90–94	Dimmer response fast
	95–99	Dimmer response medium
	100–104	Dimmer response slow (halogen)
	105–109	No function
	110–114	Redshift on (affects only between 2700–3500K)
	115–119	Redshift off
	120–124	Device Settings
	125–139	No function
	140–144	LED frequency 1 kHz
	145–149	LED frequency 2 kHz
	150–154	LED frequency 4 kHz
	155–159	LED frequency 12 kHz
	160–164	LED frequency 16 kHz
	165–169	LED frequency 25 kHz
	170–174	No function
	175–179	Fan auto
	180–184	Fan silent
	185–189	Fan off
	190–194	Fan high power
	195–199	No function
	200–214	Invert mapping off
	215–219	Invert mapping on
	220–224	No function
	225–229	LED mode – low power
	230–234	LED mode – high power
	235–239	No function
	240–255	The current setting is invalid

15 17 Channel Mode

Channel	DMX value	Description
1 Dimmer	0–255	Dimmer
2 Strobe	–	If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least
	0–19	Shutter close
	20–24	Shutter open
	25–64	Normal strobe (fast → slow)
	65–69	Shutter open
	70–109	Opening pulse (fast → slow)
	110–114	Shutter open
	115–154	Closing pulse (fast → slow)
	155–159	Shutter open
	160–199	Random strobe (fast → slow)
	200–204	Shutter open
	205–244	Lightning strobe (fast → slow)
	245–255	Shutter open
3 Dimmer 1	0–255	Dimmer 1
4 R1 dimmer	0–255	R1 dimmer
5 G1 dimmer	0–255	G1 dimmer
6 B1 dimmer	0–255	B1 dimmer
7 A1 dimmer	0–255	A1 dimmer
8 W1 dimmer	0–255	W1 dimmer
9 Dimmer 2	0–255	Dimmer 2
10 R2 dimmer	0–255	R2 dimmer
11 G2 dimmer	0–255	G2 dimmer
12 B2 dimmer	0–255	B2 dimmer
13 A2 dimmer	0–255	A2 dimmer
14 W2 dimmer	0–255	W2 dimmer
15 CCT (affects RGBAW 1+2)	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps
16 Tint (affects CCT and RGBAW 1+2)	1–127	Magenta → neutral
	0, 128	Neutral
	129–255	Neutral → green
17 Device Settings	–	The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting. The following functions require a 3-second pause to take effect.
	0–29	No function

Channel	DMX value	Description
	30–34	8-bit
	35–39	16-bit
	40–44	No function
	45–49	DMX fail: blackout
	50–54	DMX fail: hold
	55–59	DMX fail: emergency light
	60–64	No function
	65–69	Linear dimming curve
	70–74	Square dimming curve
	75–79	Anti-square dimming curve
	80–84	S dimming curve
	85–89	No function
	90–94	Dimmer response fast
	95–99	Dimmer response medium
	100–104	Dimmer response slow (halogen)
	105–109	No function
	110–114	Redshift on (affects only between 2700–3500K)
	115–119	Redshift off
	120–124	Device Settings
	125–139	No function
	140–144	LED frequency 1 kHz
	145–149	LED frequency 2 kHz
	150–154	LED frequency 4 kHz
	155–159	LED frequency 12 kHz
	160–164	LED frequency 16 kHz
	165–169	LED frequency 25 kHz
	170–174	No function
	175–179	Fan auto
	180–184	Fan silent
	185–189	Fan off
	190–194	Fan high power
	195–199	No function
	200–214	Invert mapping off
	215–219	Invert mapping on
	220–224	No function
	225–229	LED mode – low power
	230–234	LED mode – high power

Channel	DMX value	Description
	235–239	No function
	240–255	The current setting is invalid

16 28 Channel Mode

Channel	DMX value	Description
1 Dimmer	0–255	Dimmer
2 Strobe	–	If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least
	0–19	Shutter close
	20–24	Shutter open
	25–64	Normal strobe (fast → slow)
	65–69	Shutter open
	70–109	Opening pulse (fast → slow)
	110–114	Shutter open
	115–154	Closing pulse (fast → slow)
	155–159	Shutter open
	160–199	Random strobe (fast → slow)
	200–204	Shutter open
	205–244	Lightning strobe (fast → slow)
	245–255	Shutter open
3 Duration	–	Extend the lighting time during flicker, only applicable to the normal flicker of channel 2 (025–064)
4 Dimmer 1	0–255	Dimmer 1
5 R1 dimmer	0–255	R1 dimmer
6 G1 dimmer	0–255	G1 dimmer
7 B1 dimmer	0–255	B1 dimmer
8 A1 dimmer	0–255	A1 dimmer
9 W1 dimmer	0–255	W1 dimmer
10 CCT 1 (affects RGBAW 1)	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps
11 Tint 1 (affects CCT and RGBAW 1)	1–127	Magenta → neutral
	0, 128	Neutral
	129–255	Neutral → green
12 Color Macro 1 (override RGBAW/CCT 1)	0	Empty
	1–255	Uniformly distribute 60 colored papers (see color card note)
13 Color Macro Crossfade 1	0–5	Empty
	6–255	The transition time is getting longer and longer
14 Dimmer 2	0–255	Dimmer 2
15 R2 dimmer	0–255	R2 dimmer
16 G2 dimmer	0–255	G2 dimmer
17 B2 dimmer	0–255	B2 dimmer

Channel	DMX value	Description
18 A2 dimmer	0–255	A2 dimmer
19 W2 dimmer	0–255	W2 dimmer
20 CCT 2 (affects RGBAW 2)	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps
21 Tint 2 (affects CCT and RGBAW 2)	1–127	Magenta → neutral
	0, 128	Neutral
	129–255	Neutral → green
22 Color Macro 2 (override RGBAW/CCT 2)	0	Empty
	1–255	Uniformly distribute 60 colored papers (see color card note)
23 Color Macro Crossfade 2	0–5	Empty
	6–255	The transition time is getting longer and longer
24 Effect (override RGB 1+2/CCT 1+2/Color Macro 1+2)	0–15	Empty
	16–39	Effect 1 (from slow to fast)
	40–63	Effect 2 (from slow to fast)
	64–87	Effect 3 (from slow to fast)
	88–111	Effect 4 (from slow to fast)
	112–135	Effect 5 (from slow to fast)
	136–159	Effect 6 (from slow to fast)
	160–183	Effect 7 (from slow to fast)
	184–207	Effect 8 (from slow to fast)
	208–231	Effect 9 (from slow to fast)
	232–255	Effect 10 (from slow to fast)
25 Dimmer Curve	0–51	Current preset from menu settings
	52–101	Linear dimmer curve
	102–152	Square dimmer curve
	153–203	Anti-square dimmer curve
	204–255	S-line dimmer curve
26 Dimmer Response	0–63	Current preset from menu settings
	64–127	LED/fast
	128–191	Medium
	192–255	Halogen/slow
27 Redshift	0–84	Current preset from menu settings
	85–170	Off
	171–255	On
28 Device Settings	–	The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting. The following functions require a 3-second pause to take effect.
	0–29	No function

Channel	DMX value	Description
	30–34	8-bit
	35–39	16-bit
	40–44	No function
	45–49	DMX fail: blackout
	50–54	DMX fail: hold
	55–59	DMX fail: emergency light
	60–64	No function
	65–69	Linear dimming curve
	70–74	Square dimming curve
	75–79	Anti-square dimming curve
	80–84	S dimming curve
	85–89	No function
	90–94	Dimmer response fast
	95–99	Dimmer response medium
	100–104	Dimmer response slow (halogen)
	105–109	No function
	110–114	Redshift on (affects only between 2700–3500K)
	115–119	Redshift off
	120–124	Device Settings
	125–139	No function
	140–144	LED frequency 1 kHz
	145–149	LED frequency 2 kHz
	150–154	LED frequency 4 kHz
	155–159	LED frequency 12 kHz
	160–164	LED frequency 16 kHz
	165–169	LED frequency 25 kHz
	170–174	No function
	175–179	Fan auto
	180–184	Fan silent
	185–189	Fan off
	190–194	Fan high power
	195–199	No function
	200–214	Invert mapping off
	215–219	Invert mapping on
	220–224	No function
	225–229	LED mode – low power
	230–234	LED mode – high power

Channel	DMX value	Description
	235–239	No function
	240–255	The current setting is invalid

17 41 Channel Mode

Channel	DMX value	Description
1 Dimmer	0–255	Dimmer
2 Dimmer fine-tuning	0–255	Dimmer fine-tuning
3 Strobe	–	If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least
	0–19	Shutter close
	20–24	Shutter open
	25–64	Normal strobe (fast → slow)
	65–69	Shutter open
	70–109	Opening pulse (fast → slow)
	110–114	Shutter open
	115–154	Closing pulse (fast → slow)
	155–159	Shutter open
	160–199	Random strobe (fast → slow)
	200–204	Shutter open
	205–244	Lightning strobe (fast → slow)
	245–255	Shutter open
4 Duration	–	Extend the lighting time during flicker, only applicable to the normal flicker of channel 2 (025–064)
5 Dimmer 1	0–255	Dimmer 1
6 Dimmer 1 fine-tuning	0–255	Dimmer 1 fine-tuning
7 R1 dimmer	0–255	R1 dimmer
8 R1 dimmer fine-tuning	0–255	R1 dimmer fine-tuning
9 G1 dimmer	0–255	G1 dimmer
10 G1 dimmer fine-tuning	0–255	G1 dimmer fine-tuning
11 B1 dimmer	0–255	B1 dimmer
12 B1 dimmer fine-tuning	0–255	B1 dimmer fine-tuning
13 A1 dimmer	0–255	A1 dimmer
14 A1 dimmer fine-tuning	0–255	A1 dimmer fine-tuning
15 W1 dimmer	0–255	W1 dimmer
16 W1 dimmer fine-tuning	0–255	W1 dimmer fine-tuning
17 CCT 1 (affects RGBAW 1)	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps
18 Tint 1 (affects CCT and RGBAW 1)	1–127	Magenta → neutral
	0, 128	Neutral
	129–255	Neutral → green

Channel	DMX value	Description
19 Color Macro 1 (override RGBAW/CCT 1)	0	Empty
	1–255	Uniformly distribute 60 colored papers (see color card note)
20 Color Macro Crossfade 1	0–5	Empty
	6–255	The transition time is getting longer and longer
21 Dimmer 2	0–255	Dimmer 2
22 Dimmer 2 fine-tuning	0–255	Dimmer 2 fine-tuning
23 R2 dimmer	0–255	R2 dimmer
24 R2 dimmer fine-tuning	0–255	R2 dimmer fine-tuning
25 G2 dimmer	0–255	G2 dimmer
26 G2 dimmer fine-tuning	0–255	G2 dimmer fine-tuning
27 B2 dimmer	0–255	B2 dimmer
28 B2 dimmer fine-tuning	0–255	B2 dimmer fine-tuning
29 A2 dimmer	0–255	A2 dimmer
30 A2 dimmer fine-tuning	0–255	A2 dimmer fine-tuning
31 W2 dimmer	0–255	W2 dimmer
32 W2 dimmer fine-tuning	0–255	W2 dimmer fine-tuning
33 CCT 2 (affects RGBAW 2)	0–4	5600K
	5–255	2000K–10000K, linear in 31–32K steps
34 Tint 2 (affects CCT and RGBAW 2)	1–127	Magenta → neutral
	0, 128	Neutral
	129–255	Neutral → green
35 Color Macro 2 (override RGBAW/CCT 2)	0	Empty
	1–255	Uniformly distribute 60 colored papers (see color card note)
36 Color Macro Crossfade 2	0–5	Empty
	6–255	The transition time is getting longer and longer
37 Effect (override RGB 1+2/CCT 1+2/Color Macro 1+2)	0–15	Empty
	16–39	Effect 1 (from slow to fast)
	40–63	Effect 2 (from slow to fast)
	64–87	Effect 3 (from slow to fast)
	88–111	Effect 4 (from slow to fast)
	112–135	Effect 5 (from slow to fast)
	136–159	Effect 6 (from slow to fast)
	160–183	Effect 7 (from slow to fast)
	184–207	Effect 8 (from slow to fast)
	208–231	Effect 9 (from slow to fast)
	232–255	Effect 10 (from slow to fast)
38 Dimmer Curve	0–51	Current preset from menu settings

Channel	DMX value	Description
	52–101	Linear dimmer curve
	102–152	Square dimmer curve
	153–203	Anti-square dimmer curve
	204–255	S-line dimmer curve
39 Dimmer Response	0–63	Current preset from menu settings
	64–127	LED/fast
	128–191	Medium
	192–255	Halogen/slow
40 Redshift	0–84	Current preset from menu settings
	85–170	Off
	171–255	On
41 Device Settings	–	The push rod needs to be pushed for the first time to cause a change in the value before it can be considered as a setting. The following functions require a 3-second pause to take effect.
	0–29	No function
	30–34	8-bit
	35–39	16-bit
	40–44	No function
	45–49	DMX fail: blackout
	50–54	DMX fail: hold
	55–59	DMX fail: emergency light
	60–64	No function
	65–69	Linear dimming curve
	70–74	Square dimming curve
	75–79	Anti-square dimming curve
	80–84	S dimming curve
	85–89	No function
	90–94	Dimmer response fast
	95–99	Dimmer response medium
	100–104	Dimmer response slow (halogen)
	105–109	No function
	110–114	Redshift on (affects only between 2700–3500K)
	115–119	Redshift off
	120–124	Device Settings
	125–139	No function
	140–144	LED frequency 1 kHz
	145–149	LED frequency 2 kHz
	150–154	LED frequency 4 kHz

Channel	DMX value	Description
	155–159	LED frequency 12 kHz
	160–164	LED frequency 16 kHz
	165–169	LED frequency 25 kHz
	170–174	No function
	175–179	Fan auto
	180–184	Fan silent
	185–189	Fan off
	190–194	Fan high power
	195–199	No function
	200–214	Invert mapping off
	215–219	Invert mapping on
	220–224	No function
	225–229	LED mode – low power
	230–234	LED mode – high power
	235–239	No function
	240–255	The current setting is invalid