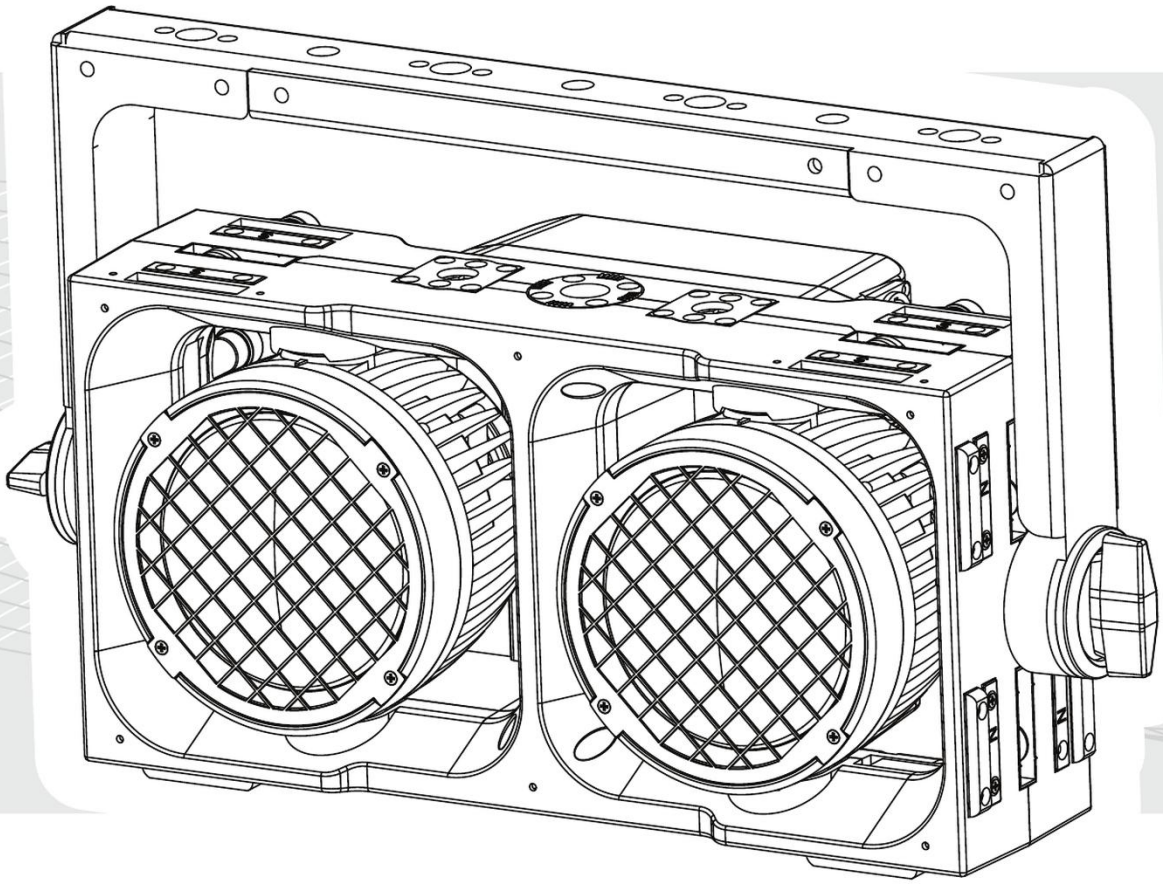
SSP PROFESSIONAL LIGHTING

MATRIX B2 IP

User's Manual



LED BLINDER

English

Please read the user manual carefully
before using the appliance.

MATRIX B2 IP USER MANUAL – INDEX

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MATRIX B2 IP USER MANUAL

1 Panel operation and display

1 Panel operation and display

The fixture is operated with four buttons, K1 to K4, and a display window. The buttons work as follows when the display shows the normal interface:

Button	Function (normal display)	Function (flipped display)
K1	Menu and return	K3: menu and return
K2 and K3	Adjust options and their numerical values	K1 and K4: adjust options and their numerical values
K4	Determine	K2: determine

- Screensaver: to enter the screensaver, long press K1 and then release it. To release the screensaver, do not touch any other buttons; otherwise press K1 again. When the display is flipped, long press K3 instead.
- Screen flip: flipping the display also flips the button functions, as described above.
- Attention: if the temperature control resistor is not successfully connected, the power of the lamp will be halved. After 5 seconds the interface jumps to the main interface and displays an error message.
- Attention: if there is no button operation within thirty seconds, the interface jumps to the main interface.

2 Main menu functions

2 Main menu functions

The main menu is organised in levels. The table below lists each main-interface item, its options and ranges as printed in the manual. Bold values in the source tables are the default values.

Level 1 menu	Level 2 menu (value)	Range / options	Description
DMX Mode	1CH DWE to 41CH DIRECT (17 modes, default 13CH STANDARD RGB)	See section 4	When receiving a DMX signal the screen displays “*”. The DMX address can be adjusted on this interface.
Auto	Dimmer (100); Effect (00); Speed (100)	000–100; effect 00–10; speed 000–100	Effect 00: not executing the effect. 01–10: various effects.
Quick Color	Dimmer (100); Shutter (255); Red, Green, Blue, Amber, White (000)	000–100; 000–255; 000–255 each	The overall dimming can be adjusted on this interface. See the flicker explanation in the channel mode for the Shutter value.
Color Macro	Dimmer (100); Color Macro (00)	000–100; 00–60	Color Macro numbers 00–60 correspond to the names of the coloured papers listed in section 5.
Tunable white	Dimmer (100); CCT (2900K); Tint (+000)	000–100; 2000K–10000K; −127 to +127	Negative tint values tend to be reddish, positive values tend to be greenish, and 0 represents neutral colour.
User colour	Colour 1 to Colour 5	Five custom colours	Five custom colours can be selected. The operation items are shown in Colour 1: Dimmer (100), Shutter (255), Red, Green, Blue, Amber and White (000).

Settings

Menu	Options	Description
Language	Chinese / English	The screen display language is Chinese or English. English is the default.
MOSI switch	Off / On	Off: do not send host data to slave. On: send host data to slave.
Screensaver	Off / On	On: enter the screensaver after 30 seconds without button operation.
Screenflip	Off / On	On: the screen flips and the buttons also flip.
Screenlock	Off / On	On: lock after 30 seconds without button operation.
DMX fail	Clear / Hold / Lit up	In DMX mode, the data status of the LED after signal interruption. Clear: the data will be cleared later. Hold: data hold. Lit up: keep the LED on at the power limit set by the current power setting.
Dimmer curve	Linear / Square / Anti-square / S-line	Linear power curve, square power curve, inverse square power curve, or S power curve. Use the console to execute the power curve for regular dimming, without affecting the dimming, colour temperature, colour paper and other modes with bulb effects.
Dimmer bit	8 Bit / 16 Bit	8 Bit: direct switching of LED data. 16 Bit: smooth conversion of LED bead data.

Menu	Options	Description
Dimmer response	LED / Medium / Halogen	The speed of light changes. If the channel mode itself has a dimming speed, use the dimming speed channel as a guide.
LED frequency	1 kHz / 2 kHz / 4 kHz / 12 kHz / 16 kHz / 25 kHz	PWM frequency of the LED output.
Redshift	Off / On	Only applicable to colour temperatures between 2700K and 3500K.
Fan mode	Auto / Silent / Off / Max. power	Auto: the fan rotates when the temperature exceeds 44 °C and stops when it drops below 40 °C. The Auto speed can reach the maximum speed, while the Silent speed is lower. If the temperature control resistor is not connected, the fan rotates when the LED lights up.
Invert mapping	Off / On	The direction of running and dimming of the lamp beads.
LED mode	Lower power / High power	Set the power limit in the background to full power in High power mode.
Restore	Off / On	Factory reset. Backend parameters and language settings are not restored, and the interface jumps to the main interface.

System information

Item	Description
Firmware version	250213D5V1
RDM ID	Each device has a different ID number, consisting of 6 hexadecimal digits.
Temperature	LED1, LED2 and MAX temperature readings (°C).
Power-on time	Time since power-on, shown as hours:minutes.
LED on time	Operating time of LED1 and LED2, shown as hours:minutes.
Fan state	Current state of the fan.
Errors	If the temperature control resistor detection fails, the failed temperature control will be displayed.

3 Backend settings

3 Backend settings

To enter the backend settings, adjust the cursor to the DMX item on the first-level menu and long press the menu key. The backend display functions are listed below with their value ranges and default values.

Menu item	Default	Range	Description
R current	207	020–255	Red current setting.
G current	217	020–255	Green current setting.
B current	212	020–255	Blue current setting.
A current	219	020–255	Amber current setting.
W current	222	020–255	White current setting.
P limit	180	050–255	Power limit setting.
T1 protect	70	40–80	When the temperature of the lamp body exceeds the set value, the power of the lamp bead decreases. The lamp body must be connected to a temperature control resistor before this function can be activated.
T2 protect	70	40–80	When the temperature of the lamp body exceeds the set value, the power of the lamp bead decreases. The lamp body must be connected to a temperature control resistor before this function can be activated.
Push	Shut down	Shut down / Turn on	Push: push the backend parameters of the local machine, set parameters and channel modes to the slave machine. Shut down: do not push. Turn on: push.

- Attention: make sure the signal line between the host and the slave is connected and powered on, and that the slave display interface is a DMX address interface.
- When pushing, wait for the LED of the slave device to flash, which indicates that the data sent by the host has been received and saved, before the host can exit the push state.

4 DMX channel modes

4 DMX channel modes

The fixture has 17 DMX channel modes. Select one on the DMX Mode menu, then assign the channels in the order shown in the matching table. The tables below are taken from the DMX chart as printed. Where the manual's text and the chart name a mode differently, the chart name is used.

Mode	Channels	Mode	Channels
1CH DWE	1	10CH DIRECT	10
2CH DWE	2	12CH DIRECT	12
4CH DWE	4	17CH DIRECT	17
9CH DWE+	9	28CH DIRECT	28
6CH STROBE	6	41CH DIRECT	41
6CH RGB	6		
10CH BASIC RGB	10		
14CH BASIC RGB	14		
13CH STANDARD RGB	13		
22CH STANDARD RGB	22		
24CH EXTENDED RGB	24		
33CH EXTENDED RGB	33		

4.1 1CH DWE

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

4.2 2CH DWE

CH	Function	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

4.3 4CH DWE

CH	Function	DMX value	Description
1	Dimmer	0–255	Manifested as the current color temperature in color temperature mode
		0–51	Current preset from menu settings
		52–101	Linear dimmer curve

CH	Function	DMX value	Description
2	Dimmer Curve	102–152	Square dimmer curve
		153–203	Anti-square dimmer curve
		204–255	S-line dimmer curve
		0–63	Current preset from menu settings
		64–127	LED/fast
3	Dimmer Response	128–191	Medium
		192–255	Halogen/slow
		0–84	Current preset from menu settings
4	Redshift	85–170	Off
		171–255	On

4.4 9CH DWE+

CH	Function	DMX value	Description
1	Dimmer	0–255	Dimmer
		—	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)
2	Strobe	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
		0–4	2900K
6	CCT (affects RGB)	5–255	2000K–10000K, linear in 31–32K steps
		0–51	Current preset from menu settings
		52–101	Linear dimmer curve
7	Dimmer Curve	102–152	Square dimmer curve
		153–203	Anti-square dimmer curve
		204–255	S-line dimmer curve

CH	Function	DMX value	Description
		0–63	Current preset from menu settings
		64–127	LED/fast
8	Dimmer Response	128–191	Medium
		192–255	Halogen/slow
		0–84	Current preset from menu settings
9	Redshift	85–170	Off
		171–255	On

4.5 6CH STROBE

CH	Function	DMX value	Description
1	Dimmer	0–255	Dimmer
		—	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)
2	Strobe	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 Extend the lighting time during flicker, only applicable to the normal
3	Duration	—	flicker of channel 2 (025–064)
4	Dimmer 1	0–255	Dimmer 1
5	Dimmer 2	0–255	Dimmer 2
		0–4	5600K
6	CCT	5–255	2000K–10000K, linear in 31–32K steps

4.6 6CH RGB

CH	Function	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

CH	Function	DMX value	Description
5	G2 dimmer	0–255	G2 dimmer
6	B2 dimmer	0–255	B2 dimmer

4.7 10CH BASIC RGB

CH	Function	DMX value	Description
1	Dimmer	0–255	Dimmer
		—	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)
2	Strobe	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
		0–4	5600K
6	CCT (affects RGB)	5–255	2000K–10000K, linear in 31–32K steps
		1–127	Magenta → neutral
7	Tint (affects CCT and RGB)	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)
		0–5	Empty
9	Color Macro Crossfade	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

CH	Function	DMX value	Description
		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
		240–255	The current setting is invalid

4.8 14CH BASIC RGB

CH	Function	DMX value	Description
1	Dimmer	0–255	Dimmer
2	Dimmer fine-tuning	0–255	Dimmer fine-tuning
		—	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)
3	Strobe	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
		0–4	5600K
10	CCT (affects RGB)	5–255	2000K–10000K, linear in 31–32K steps
		1–127	Magenta → neutral
11	Tint (affects CCT and RGB)	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)
		0–5	Empty
13	Color Macro Crossfade	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
		35–39	16-bit

CH	Function	DMX value	Description
		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
		240–255	The current setting is invalid

4.9 13CH STANDARD RGB

CH	Function	DMX value	Description
1	Dimmer	0–255	Dimmer
		—	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)
2	Strobe	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
		0–4	5600K
11	CCT (all)	5–255	2000K–10000K, linear in 31–32K steps
		1–127	Magenta → neutral
12	Tint (all)	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
		50–54	DMX fail: hold

CH	Function	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

4.10 22CH STANDARD RGB

CH	Function	DMX value	Description
1	Dimmer	0–255	Dimmer
2	Dimmer fine-tuning	0–255	Dimmer fine-tuning
		—	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)
3	Strobe	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
		0–4	5600K
20	CCT (all)	5–255	2000K–10000K, linear in 31–32K steps
21	Tint (all)	1–127	Magenta → neutral
		0, 128	Neutral
		129–255	Neutral → green

CH	Function	DMX value	Description
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
		215–219	Invert mapping on

CH	Function	DMX value	Description
		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

4.11 24CH EXTENDED RGB

CH	Function	DMX value	Description
1	Dimmer	0–255	Dimmer
		—	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)
2	Strobe	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 Extend the lighting time during flicker, only applicable to the normal
3	Duration	—	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
		0–4	5600K
8	CCT 1 (affects RGB 1)	5–255	2000K–10000K, linear in 31–32K steps
		1–127	Magenta → neutral
9	Tint 1 (affects CCT and RGB 1)	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)
		0–5	Empty

CH	Function	DMX value	Description
11	Color Macro Crossfade 1	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
		0–4	5600K
16	CCT 2 (affects RGB 2)	5–255	2000K–10000K, linear in 31–32K steps
		1–127	Magenta → neutral
17	Tint 2 (affects CCT and RGB 2)	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)
		0–5	Empty
19	Color Macro Crossfade 2	6–255	The transition time is getting longer and longer
		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)
20	Effect (override RGB 1+2/CCT 1+2/Color Macro 1+2)	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)
		0–51	Current preset from menu settings
		52–101	Linear dimmer curve
21	Dimmer Curve	102–152	Square dimmer curve
		153–203	Anti-square dimmer curve
		204–255	S-line dimmer curve
		0–63	Current preset from menu settings
		64–127	LED/fast
22	Dimmer Response	128–191	Medium
		192–255	Halogen/slow
		0–84	Current preset from menu settings
23	Redshift	85–170	Off

CH	Function	DMX value	Description
		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
		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

CH	Function	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

4.12 33CH EXTENDED RGB

CH	Function	DMX value	Description
1	Dimmer	0–255	Dimmer
2	Dimmer fine-tuning	0–255	Dimmer fine-tuning
		—	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)
3	Strobe	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 Extend the lighting time during flicker, only applicable to the normal
4	Duration	—	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
		0–4	5600K
13	CCT 1 (affects RGB 1)	5–255	2000K–10000K, linear in 31–32K steps
		1–127	Magenta → neutral

CH	Function	DMX value	Description
14	Tint 1 (affects CCT and RGB 1)	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)
		0–5	Empty
16	Color Macro Crossfade 1	6–255	The transition time is getting longer and longer
17	Dimmer 2	0–255	Dimmer 2
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
		0–4	5600K
25	CCT 2 (affects RGB 2)	5–255	2000K–10000K, linear in 31–32K steps
		1–127	Magenta → neutral
26	Tint 2 (affects CCT and RGB 2)	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)
		0–5	Empty
28	Color Macro Crossfade 2	6–255	The transition time is getting longer and longer
		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)
29	Effect (override RGB 1+2/CCT 1+2/Color Macro 1+2)	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)
		0–51	Current preset from menu settings
		52–101	Linear dimmer curve

CH	Function	DMX value	Description
30	Dimmer Curve	102–152	Square dimmer curve
		153–203	Anti-square dimmer curve
		204–255	S-line dimmer curve
		0–63	Current preset from menu settings
		64–127	LED/fast
31	Dimmer Response	128–191	Medium
		192–255	Halogen/slow
32	Redshift	0–84	Current preset from menu settings
		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

CH	Function	DMX value	Description
		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

4.13 10CH DIRECT

CH	Function	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

4.14 12CH DIRECT

CH	Function	DMX value	Description
1	Dimmer	0–255	Dimmer
		—	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)

CH	Function	DMX value	Description
		65–69	Shutter open
		70–109	Opening pulse (fast → slow)
2	Strobe	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
		0–4	5600K
8	CCT (affects RGB)	5–255	2000K–10000K, linear in 31–32K steps
		1–127	Magenta → neutral
9	Tint (affects CCT and RGB)	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)
		0–5	Empty
11	Color Macro Crossfade	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
		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

CH	Function	DMX value	Description
		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

4.15 17CH DIRECT

CH	Function	DMX value	Description
1	Dimmer	0–255	Dimmer
		—	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

CH	Function	DMX value	Description
		70–109	Opening pulse (fast → slow)
2	Strobe	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
		0–4	5600K
15	CCT (affects RGBAW 1+2)	5–255	2000K–10000K, linear in 31–32K steps
		1–127	Magenta → neutral
16	Tint (affects CCT and RGBAW 1+2)	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
		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

CH	Function	DMX value	Description
		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

4.16 28CH DIRECT

CH	Function	DMX value	Description
1	Dimmer	0–255	Dimmer
		—	If the relevant flashing is not executed, the value needs to be adjusted to the "Shutter open" area at least
		0–19	Shutter close

CH	Function	DMX value	Description
		20–24	Shutter open
		25–64	Normal strobe (fast → slow)
		65–69	Shutter open
		70–109	Opening pulse (fast → slow)
2	Strobe	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 Extend the lighting time during flicker, only applicable to the normal
3	Duration	—	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
		0–4	5600K
10	CCT 1 (affects RGBAW 1)	5–255	2000K–10000K, linear in 31–32K steps
		1–127	Magenta → neutral
11	Tint 1 (affects CCT and RGBAW 1)	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)
		0–5	Empty
13	Color Macro Crossfade 1	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
18	A2 dimmer	0–255	A2 dimmer
19	W2 dimmer	0–255	W2 dimmer
		0–4	5600K
20	CCT 2 (affects RGBAW 2)	5–255	2000K–10000K, linear in 31–32K steps
		1–127	Magenta → neutral

CH	Function	DMX value	Description
21	Tint 2 (affects CCT and RGBAW 2)	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)
		0–5	Empty
23	Color Macro Crossfade 2	6–255	The transition time is getting longer and longer
		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)
24	Effect (override RGB 1+2/CCT 1+2/Color Macro 1+2)	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)
		0–51	Current preset from menu settings
		52–101	Linear dimmer curve
25	Dimmer Curve	102–152	Square dimmer curve
		153–203	Anti-square dimmer curve
		204–255	S-line dimmer curve
		0–63	Current preset from menu settings
		64–127	LED/fast
26	Dimmer Response	128–191	Medium
		192–255	Halogen/slow
		0–84	Current preset from menu settings
27	Redshift	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
		30–34	8-bit
		35–39	16-bit
		40–44	No function

CH	Function	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

4.17 41CH DIRECT

CH	Function	DMX value	Description
1	Dimmer	0–255	Dimmer
2	Dimmer fine-tuning	0–255	Dimmer fine-tuning
		—	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)
3	Strobe	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 Extend the lighting time during flicker, only applicable to the normal
4	Duration	—	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
		0–4	5600K
17	CCT 1 (affects RGBAW 1)	5–255	2000K–10000K, linear in 31–32K steps
		1–127	Magenta → neutral
18	Tint 1 (affects CCT and RGBAW 1)	0, 128	Neutral
		129–255	Neutral → green
19	Color Macro 1 (override RGBAW/CCT 1)	0	Empty

CH	Function	DMX value	Description
		1–255	Uniformly distribute 60 colored papers (see color card note)
		0–5	Empty
20	Color Macro Crossfade 1	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
		0–4	5600K
33	CCT 2 (affects RGBAW 2)	5–255	2000K–10000K, linear in 31–32K steps
		1–127	Magenta → neutral
34	Tint 2 (affects CCT and RGBAW 2)	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)
		0–5	Empty
36	Color Macro Crossfade 2	6–255	The transition time is getting longer and longer
		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)
37	Effect (override RGB 1+2/CCT 1+2/Color Macro 1+2)	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

CH	Function	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
		0–63	Current preset from menu settings
		64–127	LED/fast
39	Dimmer Response	128–191	Medium
		192–255	Halogen/slow
		0–84	Current preset from menu settings
40	Redshift	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

CH	Function	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

5 Colour card

5 Colour card

The colour card lists the 60 coloured papers that can be selected with the Colour paper menu (00–60) and the Color Macro channel.

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

6 Technical parameters

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Item	Specification
Light source	2 × 300 W LED, RGBAWW (1800K–10000K)
Rated power	600 W optical
Input voltage	AC 110–240 V, 50/60 Hz
Beam angle	65°
Spot angle	97°
Light source life	20000 h
Colour rendering index	95
Protocol	Standard DMX512, RDM
Data connection	Waterproof three-core XLR input/output
Display	OLED display operation panel
Effects	8 types of built-in effects; fast electronic strobe 1–20 Hz; 5 dimming modes
Software	Convenient and fast upgrade through DMX signal update software
Cooling	Silent waterproof fan with intelligent speed regulation
Temperature protection	Intelligent protection of the LED lamp body to ensure the service life of the LEDs
Structure	Aluminium alloy die-casting; fan heat dissipation
Protection level	IP65
Working environment	−40 °C to 45 °C
Start-up environment	−20 °C to 45 °C
Size	502 × 288 × 195 mm
Net weight	9 kg