

CB1080EP
**CURVEBAR
1080EP**



ADD F1-5, Block 3, No.95, Guangzhu Rd, Lanhe Town, Nansha District,
Guangzhou 511480

Tel. +86 20 8499 2310/2320/2330

Fax +86 20 8499 2360

E-mail info@color-imagination.com

Website www.color-imagination.com

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User Manual
KEEP THIS MANUAL FOR FUTURE NEEDS

SAFETY INSTRUCTIONS



CAUTION

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.



IMPORTANT

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

The device shall only be used with rated voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

MAINTENANCE AND CLEANING

The following points have to be considered during the inspection:

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



CAUTION

Disconnect from mains before starting maintenance operation.



In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol or solvents.

There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions".

Should you need any spare parts, please order genuine parts from your local dealer.

18	202-238	Magenta to blue
19	239	blue
20	240-247	Gradient effect, from fast to slow
21	248-255	Pulse effect, from fast to slow

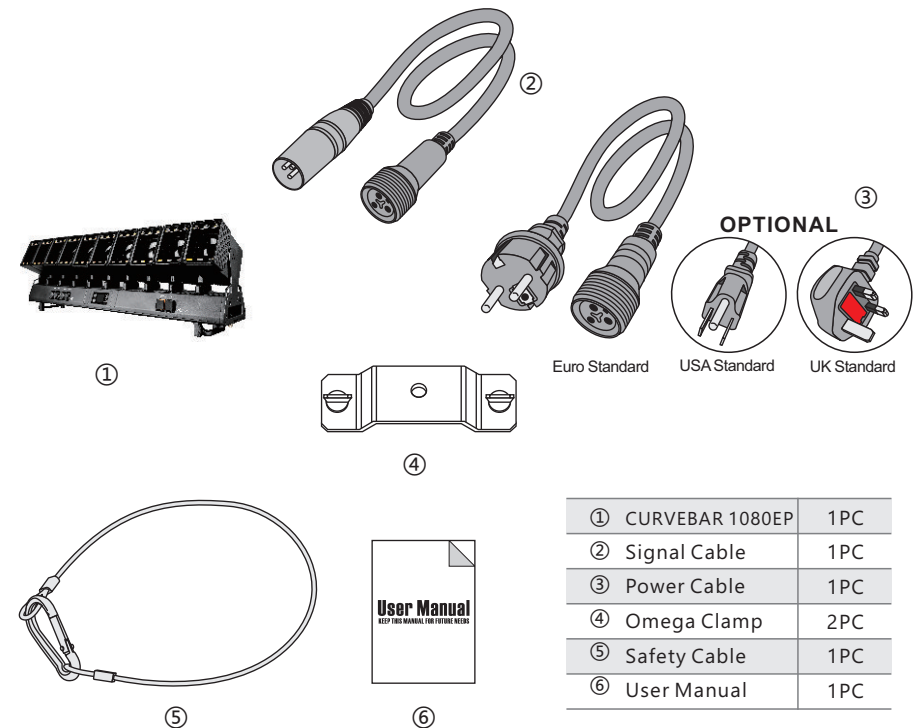
UNPACKING

The CURVEBAR 1080EP is an IP66 rated stage lighting wave bar fixture that features 10 individual MINI moving heads, each of which is with a 80W 4-IN-1 RGBW LED. The BAR is capable of producing a wide range of dynamic sharp/collimated BEAM and pure/even WASH lighting effects. Also, thanks to the ingenious front neon ring design on each head, the BAR could bring ultra brilliant and magic lighting effect to the users.

The CURVEBAR 1080EP also features a range of advanced lighting effects, including strobe, color mixing, and chase effects. These effects can be easily accessed and controlled via the controller, allowing for precise and customizable lighting setups.

The BAR is built to withstand the rigors of live events and touring. Its rugged construction and high-quality components ensure that it will deliver reliable and consistent performance night after night. The users could connect different CURVEBAR 1080EP seamlessly and get synchronized movement that produces an impressive wave of light (BEAM or WASH), paralleled to each other due to it's 5.5°-37°zoom range.

The fixture is tuned with proper LED refresh rate for flicker free operation for TV and FILM. It's a perfect option for large scale live concerts, TV productions, road shows, clubs/bars, weddings, etc.



FEATURES & SPECIFICATIONS

10*80W 4-IN-1 RGBW LEDs
 360*0.5W amber LEDs+360*0.5W cold white LEDs
 Flicker free operation for broadcast TV and FILM
 Life Span: 50000H
 5PCS high efficiency lens
 5.5°-37°Zoom range (main source)
 120°Beam angel (strip)
 TILT: 270° (8/16 bit)
 Fast, quiet, smooth and precise 3-phase motors
 Smooth, fast and precise resolution for PAN/TILT movement with low noise operation
 Scan position memory, auto reposition after unexpected movement
 Pixel mapping capability with each LEDs controllable individually
 Sophisticated 4 colors RGBW mixed
 Linear CTO 2700-8000K
 White light CTC
 Preset white light CTC effect with variable speed
 Sharp beam effect
 Pure and even wash effect
 Preset static patterns
 Preset dynamic patterns with variable speed
 Preset dynamic color macro with variable speed
 Background color macros
 Each head with strip effect with different built-in macros (amber+CW)
 (variable speed control)
 1-25Hz shutter/strobe effect with variable speed
 Preset pulse strobe effect with variable speed
 Random strobe effect with variable speed
 0-100% Smooth linear LED dimming
 4 Dimming curves, linear/square law/Inv square law/S-curve
 2 Dimming modes
 29/56/144/216/262/282 DMX channels USITT DMX-512
 DMX512, master-slave, sound activated or auto operation
 DMX recorder and edit function integrated
 RDM available (Remote Device Management)
 Art-Net as optional
 Waterproof RJ45 connectors IN/OUT
 Shielded input signal protection for stable signal without interference
 Waterproof 3-Pin XLR connectors IN/OUT
 Software up-datable through DMX connectors
 Multi units up-datable in daisy chain
 Electronic supply with active PFC
 AC100-240V 50/60Hz
 Waterproof TRUE-1 power connects IN/OUT with fuse
 880W Power consumption
 -25°C to 45°C ambient temperature
 IP66 protection rating

Strobe

passage	Channel value	Basic functions
1	000-019	The light valve is closed
2	020-024	The light valve opens
3	025-064	The strobe goes from fast to slow
4	065-069	The light valve opens
5	070-084	100-0% strobe, from fast to slow
6	085-089	The light valve opens
7	090-104	0-100% strobe, from fast to slow
8	105-109	The light valve opens
9	110-124	Random strobe, from fast to slow
10	125-129	The light valve opens
11	130-144	Random 100-0% strobe, from fast to slow
12	145-149	The light valve opens
13	150-164	Random 0-100% strobe, from fast to slow
14	165-169	The light valve opens
15	170-184	Pulse strobe 1, from fast to slow
16	185-189	The light valve opens
17	190-204	Random pulse strobe, from fast to slow
18	205-209	The light valve opens
19	210-224	0-100-0% strobe, from fast to slow
20	225-229	The light valve opens
21	230-244	Pulse Strobe 2, from fast to slow
22	245-255	The light valve opens

Color Chart

passage	Channel value	Basic functions
1	0	not
2	001-002	2700k
3	003-004	3200k
4	005-006	4200k
5	007-008	5600k
6	009-010	8000k
7	011	blue
8	012-048	Blue to cyan
9	049	cyan
10	050-086	Cyan to green
11	087	green
12	088-124	Green to yellow
13	125	Yellow
14	126-162	Yellow to red
15	163	red
16	164-200	Red to magenta
17	201	magenta

Pattern

1	0000000000	65	0000000000	129	0000000000	193	0000000000
2	0000000000	66	0000000000	130	0000000000	194	0000000000
3	0000000000	67	0000000000	131	0000000000	195	0000000000
4	0000000000	68	0000000000	132	0000000000	196	0000000000
5	0000000000	69	0000000000	133	0000000000	197	0000000000
6	0000000000	70	0000000000	134	0000000000	198	0000000000
7	0000000000	71	0000000000	135	0000000000	199	0000000000
8	0000000000	72	0000000000	136	0000000000	200	0000000000
9	0000000000	73	0000000000	137	0000000000	201	0000000000
10	0000000000	74	0000000000	138	0000000000	202	0000000000
11	0000000000	75	0000000000	139	0000000000	203	0000000000
12	0000000000	76	0000000000	140	0000000000	204	0000000000
13	0000000000	77	0000000000	141	0000000000	205	0000000000
14	0000000000	78	0000000000	142	0000000000	206	0000000000
15	0000000000	79	0000000000	143	0000000000	207	0000000000
16	0000000000	80	0000000000	144	0000000000	208	0000000000
17	0000000000	81	0000000000	145	0000000000	209	0000000000
18	0000000000	82	0000000000	146	0000000000	210	0000000000
19	0000000000	83	0000000000	147	0000000000	211	0000000000
20	0000000000	84	0000000000	148	0000000000	212	0000000000
21	0000000000	85	0000000000	149	0000000000	213	0000000000
22	0000000000	86	0000000000	150	0000000000	214	0000000000
23	0000000000	87	0000000000	151	0000000000	215	0000000000
24	0000000000	88	0000000000	152	0000000000	216	0000000000
25	0000000000	89	0000000000	153	0000000000	217	0000000000
26	0000000000	90	0000000000	154	0000000000	218	0000000000
27	0000000000	91	0000000000	155	0000000000	219	0000000000
28	0000000000	92	0000000000	156	0000000000	220	0000000000
29	0000000000	93	0000000000	157	0000000000	221	0000000000
30	0000000000	94	0000000000	158	0000000000	222	0000000000
31	0000000000	95	0000000000	159	0000000000	223	0000000000
32	0000000000	96	0000000000	160	0000000000	224	0000000000
33	0000000000	97	0000000000	161	0000000000	225	0000000000
34	0000000000	98	0000000000	162	0000000000	226	0000000000
35	0000000000	99	0000000000	163	0000000000	227	0000000000
36	0000000000	100	0000000000	164	0000000000	228	0000000000
37	0000000000	101	0000000000	165	0000000000	229	0000000000
38	0000000000	102	0000000000	166	0000000000	230	0000000000
39	0000000000	103	0000000000	167	0000000000	231	0000000000
40	0000000000	104	0000000000	168	0000000000	232	0000000000
41	0000000000	105	0000000000	169	0000000000	233	0000000000
42	0000000000	106	0000000000	170	0000000000	234	0000000000
43	0000000000	107	0000000000	171	0000000000	235	0000000000
44	0000000000	108	0000000000	172	0000000000	236	0000000000
45	0000000000	109	0000000000	173	0000000000	237	0000000000
46	0000000000	110	0000000000	174	0000000000	238	0000000000
47	0000000000	111	0000000000	175	0000000000	239	0000000000
48	0000000000	112	0000000000	176	0000000000	240	0000000000
49	0000000000	113	0000000000	177	0000000000	241	0000000000
50	0000000000	114	0000000000	178	0000000000	242	0000000000
51	0000000000	115	0000000000	179	0000000000	243	0000000000
52	0000000000	116	0000000000	180	0000000000	244	0000000000
53	0000000000	117	0000000000	181	0000000000	245	0000000000
54	0000000000	118	0000000000	182	0000000000	246	0000000000
55	0000000000	119	0000000000	183	0000000000	247	0000000000
56	0000000000	120	0000000000	184	0000000000	248	0000000000
57	0000000000	121	0000000000	185	0000000000	249	0000000000
58	0000000000	122	0000000000	186	0000000000	250	0000000000
59	0000000000	123	0000000000	187	0000000000	251	0000000000
60	0000000000	124	0000000000	188	0000000000	252	0000000000
61	0000000000	125	0000000000	189	0000000000	253	0000000000
62	0000000000	126	0000000000	190	0000000000	254	0000000000
63	0000000000	127	0000000000	191	0000000000	255	0000000000
64	0000000000	128	0000000000	192	0000000000	256	0000000000

Menu Function

After powering on and resetting the whole machine, press the menu button to enter the main menu (the main menu interface will exit after 30 seconds of no operation), see the main menu function table (a total of 5 main menu options) for details; Up or down key to select the main menu, confirm button to enter the modification of the function parameters of each menu, and then press the confirm button to save the current function parameters (after saving, it has a power-off memory).

Main menu	submenu	Menu function description
1. System settings	1. DMX address	Modify the DMX address code up or down (the address code can be selected in the range 001-512), and save the confirmation key, which is 002 by default.
	2. Encoder	Modify up/down on/off, confirm key save, and enable by default.
	3. Y reversal	Modify on/off up or down, confirm key to save, and turn off by default.
	4. Zoom in and reverse	Modify on/off up or down, confirm key to save, and turn off by default.
	5. No signal	Modify clearing/holding up or down, confirm the key to save, and clear by default.
	6. Voice-activated sensitivity	Modify the sensitivity of the voice control up or down (optional range 00-99), confirm the key to save, default 009.
	7. Reset	Modify Yes/No up or down, confirm key to save, default no.
	8. Restore factory settings	Modify Yes/No up or down, confirm key to save, default no.
	9. Advanced settings	
2. Operation mode	1. Operation mode	Up or down to select the run mode DMX/Voice Activated/Auto, confirm key to save, default DMX.
	2. Channel selection	Select the channel CH29.CH56.CH144.CH216.CH262.CH282 up or down to save the confirmation key, the default CH29.
	3. Y mode amplitude	Modify the amplitude of Y mode up or down (optional range 000-255), confirm key to save, default 000.
3. Manual control	1. Y	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	2. Y fine-tuning	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	3. Y speed	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	4. Y mode	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	5. CTO	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	6. White CTC	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	7. Color macro	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	8. Pattern	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	9. White light pattern	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	10. LED mode	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	11. LED speed	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	12. LED tailing	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	13. White light mode	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	14. White light speed	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.
	15. White light	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.







	trailing		
	16. Background color	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	17. Background color light	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	18. Dimming	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	19. White light dimming	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	20. Strobe	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	21. White light strobe	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	22. Amplify	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	23. Functions	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	24. Red	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	25. Green	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	26. Blue	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	27. White	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	28. Cool white dimming	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
	29. Warm white dimming	Modify the value up or down (adjustable range 000-255), confirm the key to save, default 000.	
4. Display settings	1. Language selection	Select Chinese/EN (English) up or down, confirm the key to save, default Chinese.	
	2. Inverted display settings	Up or down select Off/On Inverted Display Settings, Confirm key Save, which is on by default.	
	3. Screen protection	Up or down select Turn off/on screen saver and confirm that it is on by default.	
	4. Software version	AWFA program identification code, non-modifiable.	
5. Information settings	sensor	Used to view Hall status and temperature communication status	
	error message	Used to display error messages	
	Channel information	Used to display DMX channel data	
	Time information	Lights on time Fixture time	
6. Factory setting	DisplayPlease enter password! Modify it up or down to 138, and then press the confirm button to enter the factory settings.	1. Y1 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
		2. F1 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
		3. Y2 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
		4. F2 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
		5. Y3 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
		6. F3 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
		7. Y4 axis	Modify the parameters up or down (000-255) and save the confirmation

19	095-099	Reserved for future use
20	100-104	Disable tilt reverse
21	105-109	Reserved for future use
22	110-114	Reserved for future use
23	115-119	Reserved for future use
24	120-134	Reserved for future use
25	135-139	Dimmer fast
26	140-144	Dimmer smooth
27	145-149	Linear
28	150-154	Square
29	155-159	I Squa
30	160-164	S-Curve
31	165-169	Reserved for future use
32	170-174	Reserved for future use
33	175-179	PWM 600HZ
34	180-184	PWM 1200HZ
35	185-189	PWM 2000 HZ
36	190-194	PWM 4000 HZ
37	195-199	PWM 6000 HZ
38	200-204	PWM 15000 HZ
39	205-255	Reserved for future use

Note 1

The amplitude of the menu Y mode is 0, and the amplitude of the Y mode is controlled by Y whole control fine adjustment or Y2 coarse adjustment

The amplitude of menu Y mode is 1--255, and the function channel is 205--255, which controls the amplitude of Y mode The function channel is 0--204, and the Y mode amplitude set by the menu controls the Y mode amplitude

68	000-255	Green 1 fine-tuning
69	000-255	Blue 1 coarse adjustment (effect color selection)
70	000-255	Blue 1 fine-tuning
71	000-255	White 1 coarse (color selection for effect)
72	000-255	White 1 fine-tuning
		
153	000-255	Dimming 10 coarse adjustments
154	000-255	Dimming 10 fine-tuning
155	000-255	Red 10 coarse
156	000-255	Red 10 fine-tuning
157	000-255	Green 10 coarse
158	000-255	Green 10 fine-tuning
159	000-255	Blue 10 coarse
160	000-255	Blue 10 fine-tuning
161	000-255	White 10 coarse
162	000-255	White 10 fine-tuning
163	000-255	Cold white 1
164	000-255	Warm White 1
		
281	000-255	Cool white 60
282	000-255	Warm white 60




Functional Channel Description

1	000-009	No function
2	010-014	Blackout on tilt on
3	015-019	Blackout on tilt Off
4	020-024	RGBW (additive) color-mixing mode
5	025-029	CMY (subtractive) color-mixing mode
6	030-034	Combine heads
7	035-039	Disable combine heads
8	040-044	Reserved for future use
9	045-049	Reserved for future use
10	050-054	Reserved for future use
11	055-059	Tilt reset
12	060-064	Zoom reset
13	065-069	Quiet zoom reset
14	070-074	All reset
15	075-079	Cell order 1-10
16	080-084	Cell order 10-1
17	085-089	Reserved for future use
18	090-094	Tilt reverse

		calibration	key, which is 128 by default.
	8.	F4 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	9.	Y5 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	10.	F5 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	11.	Y6 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	12.	F6 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	13.	Y7 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	14.	F7 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	15.	Y8 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	16.	F8 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	17.	Y9 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	18.	F9 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	19.	Y10 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	20.	F10 axis calibration	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	21.	Y stroke	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	22.	Focusing stroke	Modify the parameters up or down (000-255) and save the confirmation key, which is 128 by default.
	23.	red 1	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
	24.	green 1	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
	25.	blue 1	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
	26.	white 1	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
	27.	red 2	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
	28.	green 2	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
	29.	blue 2	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
	30.	white 2	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
	31.	red 3	Modify the parameters up or down (range 000-255), confirm the key to

		save, default 252.
32, green 3		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
33, blue 3		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
34, white 3		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
35, red 4		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
36, green 4		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
37, blue 4		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
38, white 4		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
39, red 5		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
40, green 5		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
41, blue 5		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
42, white 5		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
43, red 6		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
44, green 6		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
45, blue 6		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
46, white 6		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
47, red 7		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
48, green 7		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
49, blue 7		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
50, white 7		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
51, red 8		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
52, green 8		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
53, blue 8		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
54, white 8		Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
55, red 9		Modify the parameters up or down (range 000-255), confirm the key to

26	000-255	Pattern
27	000-255	White light pattern
28	000-255	LED built-in effects (2 values for the main light, 1 effect). 0-1 is invalid 2-255 (127 effects total)
29	000-255	LED built-in effect speed
30	000-255	LED built-in effect trailing time
31	000-255	Built-in white light effect (8 values and 1 effect for fill light). 0-7 invalid 8-255 (31 effects total)
32	000-255	White light built-in effect speed
33	000-255	White light built-in effect trailing time
34	000-255	LED background color
35	000-255	LED background color light coarse adjustment
36	000-255	LED background tint light adjustment
37	000-255	Total dimming
38	000-255	Total dimming fine-tuning
39	000-255	The white light is always dimmed
40	000-255	Strobe
41	000-255	White lights are flashing
42	000-255	Zoom 1
43	000-255	Zoom 2
44	000-255	Zoom 3
45	000-255	Zoom 4
46	000-255	Zoom 5
47	000-255	Zoom 6
48	000-255	Zoom 7
49	000-255	Zoom 8
50	000-255	Zoom 9
51	000-255	Zoom 10
52	000-255	function
53	000-255	red
54	000-255	Red fine-tuning
55	000-255	green
56	000-255	Green fine-tuning
57	000-255	blue
58	000-255	Blue fine-tuning
59	000-255	white
60	000-255	White fine-tuning
61	000-255	Cool white total dimming
62	000-255	Warm white total dimming
63	000-255	Dimming 1 coarse adjustment
64	000-255	Dimming 1 fine-tuning
65	000-255	Red 1 coarse (effect color selection)
66	000-255	Red 1 fine-tuning
67	000-255	Green 1 coarse (effect color selection)

136	000-255	Red 10 fine-tuning
137	000-255	Green 10 coarse
138	000-255	Green 10 fine-tuning
139	000-255	Blue 10 coarse
140	000-255	Blue 10 fine-tuning
141	000-255	White 10 coarse
142	000-255	White 10 fine-tuning
143	000-255	Cold white 1
144	000-255	Warm White 1
		
261	000-255	Cool white 60
262	000-255	Warm white 60

CH282 channel table

passage	Channel value	Basic functions
1	000-255	Y1 Coarse (Y mode direction)
2	000-255	Y1 fine-tuning
3	000-255	Y2 Coarse (Y mode amplitude)
4	000-255	Y2 fine-tuning
5	000-255	Y3 coarse
6	000-255	Y3 fine-tuning
7	000-255	Y4 coarse
8	000-255	Y4 fine-tuning
9	000-255	Y5 coarse
10	000-255	Y5 fine-tuning
11	000-255	Y6 coarse tuning
12	000-255	Y6 fine-tuning
13	000-255	Y7 coarse
14	000-255	Y7 fine-tuning
15	000-255	Y8 coarse
16	000-255	Y8 fine-tuning
17	000-255	Y9 coarse
18	000-255	Y9 fine-tuning
19	000-255	Y10 coarse
20	000-255	Y10 fine-tuning
21	000-255	Y speed
22	000-255	Y mode (4 values and 1 effect for motors). 0-3 invalid 4-255 (63 effects total)
23	000-255	CTC
24	000-255	White light CTC
25	000-255	Color Chart

			save, default 252.
		56, green 9	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		57, blue 9	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		58, white 9	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		59, red 10	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		60, green 10	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		61, blue 10	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		62, white 10	Modify the parameters up or down (range 000-255), confirm the key to save, default 252.
		63. LEDYF direction	Modify parameter 000/001 up or down, and save the confirmation key, default 000.
		64. an electric current	Modify the parameters up or down (range 032-255), confirm the key to save, default 225.
		65. Logo	Select 000 /001 up or down, confirm the key to save, and 000 is the default.
		66. Temperature	Modify the temperature parameter (range 40-70) up or down, save the confirmation key, default 055.
		67. Temperature-fan	Modify Off/Standard/Quiet up or down, Confirm key to save, Off by default.
		68. LED	Modify LEDA/LEDB up or down, confirm that the key is saved, and LEDA is the default.
		69. Color mixing mode	Up or down RGBW/CMY, confirm key to save, default RGBW.
		70. PWM frequency	Up or down 600/1200/2000/4000/6000/15000Hz, confirm key to save, default 1200Hz.
		71. a dimming curve	Modify the linear curve/square rate curve/inverse square rate curve/S-curve up or down, confirm the key to save, and the default linearity.
		72. Dimming mode	Modify Quick/Smooth up or down, confirm key to save, default fast.
		73. Exercise off the light	Up or down off/on, confirm key to save, off by default.
		74. Time clears	Modify Yes/No up or down, confirm key to save, default no.

Master-slave control

There are 2 or more identical lamps connected with DMX three-core signal cable, all lamps and lanterns are modified to 001~512 arbitrary address code, set any one as the host, and other lamps and lanterns are slaves, and all slave display screens do not flash; When using the master to adjust the gradient, pulse, jump, voice-activated and self-propelled effects, all slaves synchronize the gradient, pulse,

jump, voice-activated and self-propelled effects.

Special attention: 1. A group of lamps can only be set up with one host, if there are multiple hosts, all lamps will flash randomly and not synchronized.

2. All fixtures must be active when the DMX512 console is turned off.


DMX512 control




Address Code

The address code of all lamps and lanterns is set, and all lamps are connected to the DMX512 console in parallel with DMX three-core signal cables, and the address code stops flashing, indicating that the DMX512 console signal has been sent to the lamps, and the DMX512 console is used to control the relevant functions according to the channel instructions.

CH29 channel table

passage	Channel value	Basic functions
1	000-255	Y coarse adjustment (Y mode orientation)
2	000-255	Y micro-adjuster (Y mode amplitude)
3	000-255	Y speed
4	000-255	Y mode (4 values and 1 effect for motors). 0-3 invalid 4-255 (63 effects total)
5	000-255	CTC
6	000-255	White light CTC
7	000-255	Color Chart
8	000-255	Pattern
9	000-255	White light pattern
10	000-255	LED built-in effect (main light, 2 values, 1 effect) 0-1 is invalid 2-255 (127 effects total)
11	000-255	LED built-in effect speed

		0-7 invalid 8-255 (31 effects total)
32	000-255	White light built-in effect speed
33	000-255	White light built-in effect trailing time
34	000-255	LED background color
35	000-255	LED background color light coarse adjustment
36	000-255	LED background tint light adjustment
37	000-255	Total dimming
38	000-255	Total dimming fine-tuning
39	000-255	The white light is always dimmed
40	000-255	Strobe
41	000-255	White lights are flashing
42	000-255	Zoom 1
43	000-255	Zoom 2
44	000-255	Zoom 3
45	000-255	Zoom 4
46	000-255	Zoom 5
47	000-255	Zoom 6
48	000-255	Zoom 7
49	000-255	Zoom 8
50	000-255	Zoom 9
51	000-255	Zoom 10
52	000-255	function
53	000-255	red
54	000-255	Red fine-tuning
55	000-255	green
56	000-255	Green fine-tuning
57	000-255	blue
58	000-255	Blue fine-tuning
59	000-255	white
60	000-255	White fine-tuning
61	000-255	Cool white total dimming
62	000-255	Warm white total dimming
63	000-255	Red 1 coarse (effect color selection)
64	000-255	Red 1 fine-tuning
65	000-255	Green 1 coarse (effect color selection)
66	000-255	Green 1 fine-tuning
67	000-255	Blue 1 coarse adjustment (effect color selection)
68	000-255	Blue 1 fine-tuning
69	000-255	White 1 coarse (color selection for effect)
70	000-255	White 1 fine-tuning
		
135	000-255	Red 10 coarse

96	000-255	White 10
97	000-255	Cold white 1
98	000-255	Warm White 1
		
215	000-255	Cool white 60
216	000-255	Warm white 60

CH262 channel table


passage	Channel value	Basic functions
1	000-255	Y1 Coarse (Y mode direction)
2	000-255	Y1 fine-tuning
3	000-255	Y2 Coarse (Y mode amplitude)
4	000-255	Y2 fine-tuning
5	000-255	Y3 coarse
6	000-255	Y3 fine-tuning
7	000-255	Y4 coarse
8	000-255	Y4 fine-tuning
9	000-255	Y5 coarse
10	000-255	Y5 fine-tuning
11	000-255	Y6 coarse tuning
12	000-255	Y6 fine-tuning
13	000-255	Y7 coarse
14	000-255	Y7 fine-tuning
15	000-255	Y8 coarse
16	000-255	Y8 fine-tuning
17	000-255	Y9 coarse
18	000-255	Y9 fine-tuning
19	000-255	Y10 coarse
20	000-255	Y10 fine-tuning
21	000-255	Y speed
22	000-255	Y mode (4 values and 1 effect for motors) 0-3 invalid 4-255 (63 effects total)
23	000-255	CTC
24	000-255	White light CTC
25	000-255	Color Chart
26	000-255	Pattern
27	000-255	White light pattern
28	000-255	LED built-in effect (main light, 2 values, 1 effect) 0-1 is invalid 2-255 (127 effects total)
29	000-255	LED built-in effect speed
30	000-255	LED built-in effect trailing time
31	000-255	Built-in white light effect (8 values and 1 effect for fill light)

12	000-255	LED built-in effect trailing time
13	000-255	Built-in white light effect (8 values and 1 effect for fill light) 0-7 invalid 8-255 (31 effects total)
14	000-255	White light built-in effect speed
15	000-255	White light built-in effect trailing time
16	000-255	LED background color
17	000-255	LED background tint light
18	000-255	Total dimming
19	000-255	The white light is always dimmed
20	000-255	Strobe
21	000-255	White lights are flashing
22	000-255	Zoom in on the whole
23	000-255	function
24	000-255	Red (color selection for the effect)
25	000-255	Green (effect color selection)
26	000-255	Blue (effect color selection)
27	000-255	White (color selection for effect)
28	000-255	Cool white total dimming
29	000-255	Warm white total dimming

CH56 channel table

passage	Channel value	Basic functions
1	000-255	Y1 Coarse (Y mode direction)
2	000-255	Y1 fine-tuning
3	000-255	Y2 Coarse (Y mode amplitude)
4	000-255	Y2 fine-tuning
5	000-255	Y3 coarse
6	000-255	Y3 fine-tuning
7	000-255	Y4 coarse
8	000-255	Y4 fine-tuning
9	000-255	Y5 coarse
10	000-255	Y5 fine-tuning
11	000-255	Y6 coarse tuning
12	000-255	Y6 fine-tuning
13	000-255	Y7 coarse
14	000-255	Y7 fine-tuning

15	000-255	Y8 coarse
16	000-255	Y8 fine-tuning
17	000-255	Y9 coarse
18	000-255	Y9 fine-tuning
19	000-255	Y10 coarse
20	000-255	Y10 fine-tuning
21	000-255	Y speed
22	000-255	Y mode (4 values and 1 effect for motors). 0-3 invalid 4-255 (63 effects total)
23	000-255	CTC
24	000-255	White light CTC
25	000-255	Color Chart
26	000-255	Pattern
27	000-255	White light pattern
28	000-255	LED built-in effects (2 values for the main light, 1 effect). 0-1 is invalid 2-255 (127 effects total)
29	000-255	LED built-in effect speed
30	000-255	LED built-in effect trailing time
31	000-255	Built-in white light effect (8 values and 1 effect for fill light). 0-7 invalid 8-255 (31 effects total)
32	000-255	White light built-in effect speed
33	000-255	White light built-in effect trailing time
34	000-255	LED background color
35	000-255	LED background color light coarse adjustment
36	000-255	Total dimming
37	000-255	The white light is always dimmed
38	000-255	Strobe
39	000-255	White lights are flashing
40	000-255	Zoom 1
41	000-255	Zoom 2
42	000-255	Zoom 3
43	000-255	Zoom 4
44	000-255	Zoom 5
45	000-255	Zoom 6
46	000-255	Zoom 7
47	000-255	Zoom 8
48	000-255	Zoom 9
49	000-255	Zoom 10
50	000-255	function
51	000-255	Red (color selection for the effect)
52	000-255	Green (effect color selection)
53	000-255	Blue (effect color selection)
54	000-255	White (color selection for effect)

25	000-255	Color Chart
26	000-255	Pattern
27	000-255	White light pattern
28	000-255	LED built-in effects (2 values for the main light, 1 effect). 0-1 is invalid 2-255 (127 effects total)
29	000-255	LED built-in effect speed
30	000-255	LED built-in effect trailing time
31	000-255	Built-in white light effect (8 values and 1 effect for fill light). 0-7 invalid 8-255 (31 effects total)
32	000-255	White light built-in effect speed
33	000-255	White light built-in effect trailing time
34	000-255	LED background color
35	000-255	LED background color light coarse adjustment
36	000-255	Total dimming
37	000-255	The white light is always dimmed
38	000-255	Strobe
39	000-255	White lights are flashing
40	000-255	Zoom 1
41	000-255	Zoom 2
42	000-255	Zoom 3
43	000-255	Zoom 4
44	000-255	Zoom 5
45	000-255	Zoom 6
46	000-255	Zoom 7
47	000-255	Zoom 8
48	000-255	Zoom 9
49	000-255	Zoom 10
50	000-255	function
51	000-255	red
52	000-255	green
53	000-255	blue
54	000-255	white
55	000-255	Cool white total dimming
56	000-255	Warm white total dimming
57	000-255	Red 1 (Effect Selection)
58	000-255	Green 1 (Effect color selection)
59	000-255	Blue 1 (Effect color selection)
60	000-255	White 1 (Effect color selection)
		
93	000-255	Red 10
94	000-255	Green 10
95	000-255	Blue 10

129	000-255	Warm white 25-26-27-34-35-36
130	000-255	Y10 coarse
131	000-255	Y10 fine-tuning
132	000-255	Zoom 10
133	000-255	Red 10 coarse
134	000-255	Red 10 fine-tuning
135	000-255	Green 10 coarse
136	000-255	Green 10 fine-tuning
137	000-255	Blue 10 coarse
138	000-255	Blue 10 fine-tuning
139	000-255	White 10 coarse
140	000-255	White 10 fine-tuning
141	000-255	Cool white 28-29-30-31-32-33
142	000-255	Warm white 28-29-30-31-32-33
143	000-255	Cool white total dimming
144	000-255	Warm white total dimming

CH216 Channel Table

passage	Channel value	Basic functions
1	000-255	Y1 Coarse (Y mode direction)
2	000-255	Y1 fine-tuning
3	000-255	Y2 Coarse (Y mode amplitude)
4	000-255	Y2 fine-tuning
5	000-255	Y3 coarse
6	000-255	Y3 fine-tuning
7	000-255	Y4 coarse
8	000-255	Y4 fine-tuning
9	000-255	Y5 coarse
10	000-255	Y5 fine-tuning
11	000-255	Y6 coarse tuning
12	000-255	Y6 fine-tuning
13	000-255	Y7 coarse
14	000-255	Y7 fine-tuning
15	000-255	Y8 coarse
16	000-255	Y8 fine-tuning
17	000-255	Y9 coarse
18	000-255	Y9 fine-tuning
19	000-255	Y10 coarse
20	000-255	Y10 fine-tuning
21	000-255	Y speed
22	000-255	Y mode (4 values and 1 effect for motors). 0-3 invalid 4-255 (63 effects total)
23	000-255	CTC
24	000-255	White light CTC

55	000-255	Cool white total dimming
56	000-255	Warm white total dimming

CH144 channel table

passage	Channel value	Basic functions
1	000-255	Total dimming
2	000-255	Total dimming fine-tuning
3	000-255	Strobe
4	000-255	White lights are flashing
5	000-255	CTC
6	000-255	White light pattern
7	000-255	LED background color
8	000-255	LED background color dimming
9	000-255	Built-in white light effect (8 values and 1 effect for fill light). 0-7 invalid 8-255 (31 effects total)
10	000-255	White light built-in effect speed
11	000-255	White light built-in effect trailing time
12	000-255	function
13	000-255	Y1 Coarse (Y mode direction)
14	000-255	Y1 fine-tuning
15	000-255	Zoom 1
16	000-255	Red 1 coarse
17	000-255	Red 1 fine-tuning
18	000-255	Green 1 coarse
19	000-255	Green 1 fine-tuning
20	000-255	Blue 1 coarse
21	000-255	Blue 1 fine-tuning
22	000-255	White 1 coarse
23	000-255	White 1 fine-tuning
24	000-255	Cool white 1-2-3-58-59-60
25	000-255	Warm white 1-2-3-58-59-60
26	000-255	Y2 Coarse (Y mode amplitude)
27	000-255	Y2 fine-tuning
28	000-255	Zoom 2
29	000-255	Red 2 coarse
30	000-255	Red 2 fine-tuning
31	000-255	Green 2 coarse
32	000-255	Green 2 fine-tuning
33	000-255	Blue 2 coarse
34	000-255	Blue 2 fine-tuning
35	000-255	White 2 coarse
36	000-255	White 2 fine-tuning
37	000-255	Cool white 4-5-6-55-56-57
38	000-255	Warm white 4-5-6-55-56-57

39	000-255	Y3 coarse
40	000-255	Y3 fine-tuning
41	000-255	Zoom 3
42	000-255	Red 3 coarse
43	000-255	Red 3 fine-tuning
44	000-255	Green 3 coarse
45	000-255	Green 3 fine-tuning
46	000-255	Blue 3 coarse
47	000-255	Blue 3 fine-tuning
48	000-255	White 3 coarse
49	000-255	White 3 fine-tuning
50	000-255	Cool white 7-8-9-52-53-54
51	000-255	Warm white 7-8-9-52-53-54
52	000-255	Y4 coarse
53	000-255	Y4 fine-tuning
54	000-255	Zoom 4
55	000-255	Red 4 coarse
56	000-255	Red 4 fine-tuning
57	000-255	Green 4 coarse
58	000-255	Green 4 fine-tuning
59	000-255	Blue 4 coarse tones
60	000-255	Blue 4 fine-tuning
61	000-255	White 4 coarse
62	000-255	White 4 fine-tuning
63	000-255	Cold white 10-11-12-49-50-51
64	000-255	Warm white 10-11-12-49-50-51
65	000-255	Y5 coarse
66	000-255	Y5 fine-tuning
67	000-255	Zoom 5
68	000-255	Red 5 coarse
69	000-255	Red 5 fine-tuning
70	000-255	Green 5 coarse
71	000-255	Green 5 fine-tuning
72	000-255	Blue 5 coarse
73	000-255	Blue 5 fine-tuning
74	000-255	White 5 coarse
75	000-255	White 5 fine-tuning
76	000-255	Cold white 13-14-15-46-47-48
77	000-255	Warm white 13-14-15-46-47-48
78	000-255	Y6 coarse tuning
79	000-255	Y6 fine-tuning
80	000-255	Zoom 6
81	000-255	Red 6 coarse
82	000-255	Red 6 fine-tuning
83	000-255	Green 6 coarse

84	000-255	Green 6 fine-tuning
85	000-255	Blue 6 coarse tones
86	000-255	Blue 6 fine-tuning
87	000-255	White 6 coarse
88	000-255	White 6 fine-tuning
89	000-255	Cold white 16-17-18-43-44-45
90	000-255	Warm white 16-17-18-43-44-45
91	000-255	Y7 coarse
92	000-255	Y7 fine-tuning
93	000-255	Zoom 7
94	000-255	Red 7 coarse
95	000-255	Red 7 fine-tuning
96	000-255	Green 7 coarse
97	000-255	Green 7 fine-tuning
98	000-255	Blue 7 coarse
99	000-255	Blue 7 fine-tuning
100	000-255	White 7 coarse
101	000-255	White 7 fine-tuning
102	000-255	Cool white 19-20-21-40-41-42
103	000-255	Warm white 19-20-21-40-41-42
104	000-255	Y8 coarse
105	000-255	Y8 fine-tuning
106	000-255	Zoom 8
107	000-255	Red 8 coarse
108	000-255	Red 8 fine-tuning
109	000-255	Green 8 coarse
110	000-255	Green 8 fine-tuning
111	000-255	Blue 8 coarse
112	000-255	Blue 8 fine-tuning
113	000-255	White 8 coarse
114	000-255	White 8 fine-tuning
115	000-255	Cold white 22-23-24-37-38-39
116	000-255	Warm white 22-23-24-37-38-39
117	000-255	Y9 coarse
118	000-255	Y9 fine-tuning
119	000-255	Zoom 9
120	000-255	Red 9 coarse
121	000-255	Red 9 fine-tuning
122	000-255	Green 9 coarse
123	000-255	Green 9 fine-tuning
124	000-255	Blue 9 coarse
125	000-255	Blue 9 fine-tuning
126	000-255	White 9 coarse
127	000-255	White 9 fine-tuning
128	000-255	Cool white 25-26-27-34-35-36