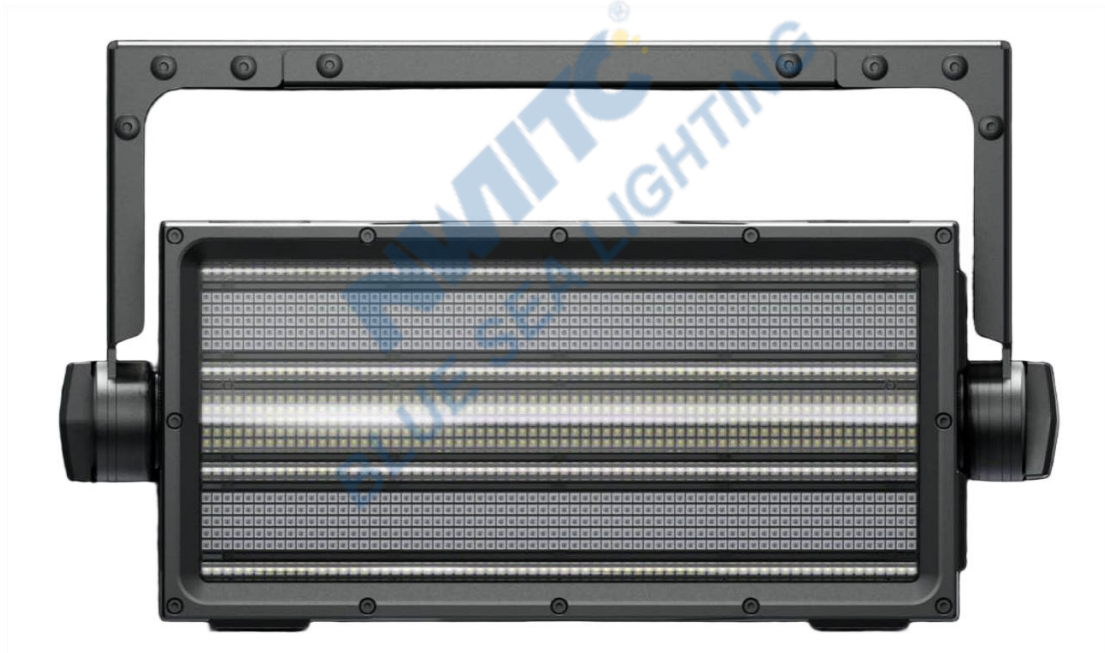


Five-tube oscillating strobe light

Use it to explain the book



Please read the instructions carefully before use

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NWITC
BLUE SEA LIGHTING

Chapter 1 Precautions and Installation

1. Remove packaging

To ensure proper and safe use of this product, please read the instructions carefully before installation and use. This manual contains important installation and application information. Please strictly follow the steps in the manual when installing and operating the product. Also, please keep this manual properly.

The five-tube oscillating strobe light strictly adheres to CE standards in design and production, complying with the international DMX512 signal protocol. It supports both standalone and networked control, featuring rapid rotation, low noise, and powerful functionality. Ideal for small to medium-sized venues including concerts, theaters, studios, nightclubs, and bars.

Please be careful to unpack the package. After unpacking, check whether the product is damaged during transportation and check whether the following contents are complete.

Five-tube oscillating strobe light----1 unit

signal line----1 unit

Manual----1 power cord----1

Hanging accessories-1 set

The product is not equipped with relevant spare parts. Maintenance and repair can only be performed by professionals!

Do not modify this product without authorization, as it may cause damage, which is not covered by the warranty. Furthermore, improper operation may lead to short circuits, burns, or electric shocks.

2. Safety Instructions

Warning! Handle this product with extreme caution. It is a high-voltage device. Contact with electrical wires may cause electric shock.

This product is in perfect condition before leaving the factory. To maintain its integrity and ensure safe operation, users should follow the safety precautions and warnings in this manual.

 Important: Damages caused by failure to follow this manual are not covered by warranty. The supplier is not responsible for any product issues arising from this.

If the product has been exposed to extreme temperature fluctuations (such as after transportation), do not power it on immediately, as temperature changes may cause water droplets that could damage the product. Wait until the product has returned to normal temperature before using it.

This product operates within a 100-240V voltage range and is designed for indoor use. Ensure the ground voltage does not exceed the product's rated capacity. The power plug must be connected to a Class I socket with proper protection. The green or tea-colored conductor must be properly grounded.

Check this product and its power cord regularly. Ensure the power cord is not folded, damaged, or scratched, and do not connect it to other wires. Exercise special care when connecting the power cord or related cables. Always unplug the power cord when not using the product or before cleaning.

Before using the product, familiarize yourself with its operation and functions. Do not let children or unqualified personnel touch the product.

Do not shake this product. Do not use excessive force when installing or operating the product. Do not let unqualified personnel operate the product. Most damage is caused by unqualified operation. The product does not include any spare parts. Maintenance and repair should only be performed by professionals.

Do not modify this product without authorization, as it may cause damage, which is not covered by the warranty. Furthermore, improper operation may lead to short circuits, burns, or electric shocks.

3. Product Notes

- If the product has been exposed to a large temperature difference (e.g., after transportation), do not start the product immediately, as thermal expansion and contraction may damage the product. Wait until the equipment reaches normal room temperature before starting the product.
- Be cautious of shock. Avoid strong impacts during installation.
- Do not lift the entire product by the lamp head, as this may damage the mechanical parts of the device.
- When choosing an installation location, ensure the product is not exposed to overheating, excessive humidity, or dust. Do not place any wires on the floor, as this may cause electric shock.
- Ensure the installation site is secure before installing the product.
- Secure the product with safety ropes and verify all screws are properly tightened during installation.
- Ensure the lens is in good condition. Replace the lens if it is damaged or scratched.
- It is recommended that this product be operated by technicians familiar with it. Non-technical personnel are prohibited from operating this equipment, as many losses are caused by non-professional operation.
- Keep the packaging materials properly for secondary transportation when needed.
- Do not change the product without the guidance of the manufacturer or distributor.
- Any equipment failure caused by improper operation of this device as specified in the manual is not covered by warranty. Additionally, any accidents resulting from short circuits, injuries, electric shocks, UV-induced damage, or bulb explosions caused by such misuse are also excluded from warranty coverage.

4. Lighting Installation

Note: For safety, hang this product away from walkways, seating areas, or areas within reach.

This luminaire can be installed horizontally, diagonally, or upside down. Special attention must be paid to installation methods when using these orientations. For fixed installation: Before positioning the luminaire, ensure the installation site is stable. When installing with inverted suspension, guarantee the luminaire won't fall off the support frame. Use safety ropes to loop through both the support frame and the luminaire's handle for secure suspension. Prevent the luminaire from falling or sliding. During installation and adjustment, pedestrian access below the luminaire is prohibited. Regularly inspect safety ropes for wear and check if hook screws are loose. The manufacturer assumes no liability for any

consequences resulting from luminaire falls caused by unstable suspension installations.

Before hanging this product, make sure the mounting point can support 10 times the weight of the final product.

The product must be installed with a double protection device, such as a safety rope.

It is forbidden to stand under the installation point when hanging, removing or repairing this product.

Ensure that this product is installed at least 0.5 meters away from flammable materials.

Hanging Requirements: The top suspension requires experienced installers who can calculate load-bearing capacity, select appropriate materials, and conduct regular safety inspections. If you lack these skills, do not attempt installation yourself. Improper operation may result in serious consequences such as personal injury.

Before powering on the product, make sure to complete all required hanging and installation steps.

Quick-lock hanger: The bottom of this product has a specially designed professional hanger, including quick-lock hanger and safety rope hanger point (please refer to the figure below).

When installing this product on the truss, ensure you use the appropriate quick-release lock to secure it at the designated hanging point, then fasten it with an M10 screw. For added safety, attach the safety rope to the product's bottom attachment point and secure it to the truss.

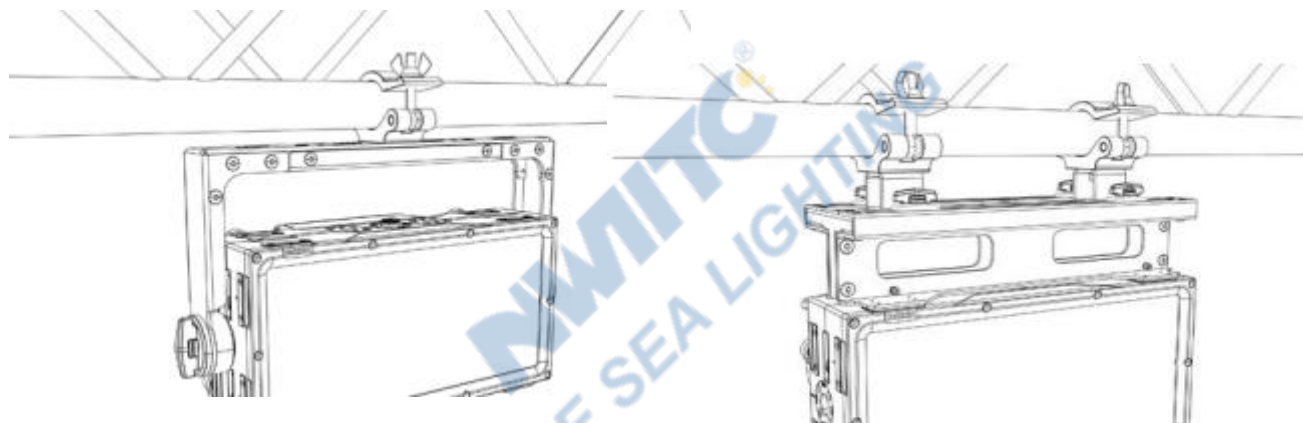


Figure 1. Lamp installation diagram

Regardless of the hanging method you choose, always use the safety rope. The product has a dedicated safety rope attachment point at the bottom (see the image above). Remember to use the provided attachment point and never install the safety rope on the handle.

DMX-512 linkage

This lighting system employs DMX512 signal control mode, with all fixtures operating in parallel. For multi-fixture setups, it's recommended to use a shielded two-core cable. Connect each fixture through its DMX signal socket (Canon connector) INPUT and OUTPUT ports. Ensure all three XLR connector pins on the signal cables are properly matched. To prevent control signal interference from electrical noise, use a DMX signal terminator. This device connects a 120-ohm 1W resistor between pins 2 and 3 of the XLR connector, then connects it to the OUTPUT port of the last fixture.

Light fixture starting address code calculation method:

The starting address code of the current lamp equals (the starting address code of the previous lamp) + (the number of channels of the lamp). Note:

- 1: The starting address code value of the first lamp is A001.
- 2: The basic channel number of the controller should be greater than or equal to the total number of lamp channels used.
- 3: Note: When using any controller, each light fixture must have its own starting address code. For example, if the first light fixture's starting address code is set to A001 with 16CH channels, the second light fixture's code would be A017, the third A033, and so on. (This configuration may vary

depending on the specific control console.)

Connect the XLR signal cable's male connector to the controller's signal output port, and the female connector to the signal input port on the rear panel. Multiple units can be connected in series, provided the cable is three-core, shielded, and equipped with XLR input/output connectors. Refer to the diagram below (note: the image is for illustration only and may differ from the actual product appearance).

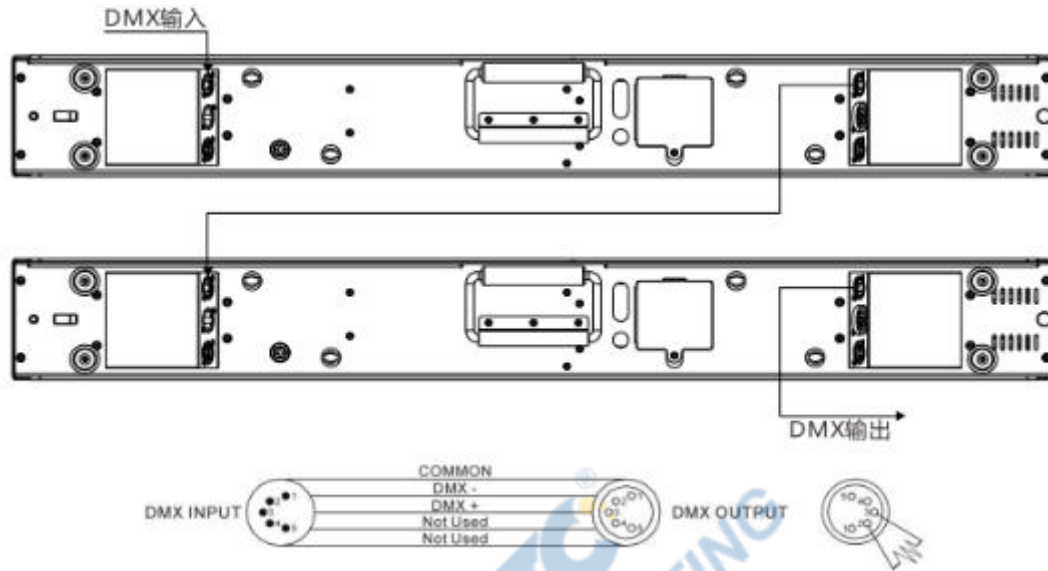


Figure 2 DMX512 connection diagram

Chapter 2 Panel Operations

1. Light panel

The schematic diagram of the lamp panel is shown in Figure 3:

1) Temperature: As shown in the figure, the light panel temperature is 25°C. If the temperature display shows ---°C, the lamp's temperature detection is abnormal, likely due to a broken temperature control connection wire. If the temperature display shows ***°C with a significant difference from the ambient temperature, it may indicate a short circuit in the temperature control connection wire. The system must be repaired by a professional before normal operation.

2) Address code: the display range is 001-512. The address code shown on the diagram is 001.

3) Button: UP: Up button

MENU: Return key

ENTER: Confirm key

DOWN: Down key

Note: Do not use sharp or pointed objects to tap the display to avoid damage.



Figure 3 Schematic diagram of the four-key display panel

2. Menu Home

The main menu interface contains 16 submenus. Use the UP/DOWN keys to select the desired submenu, then press ENTER to access it. The main menu interface is shown in Figure 4.

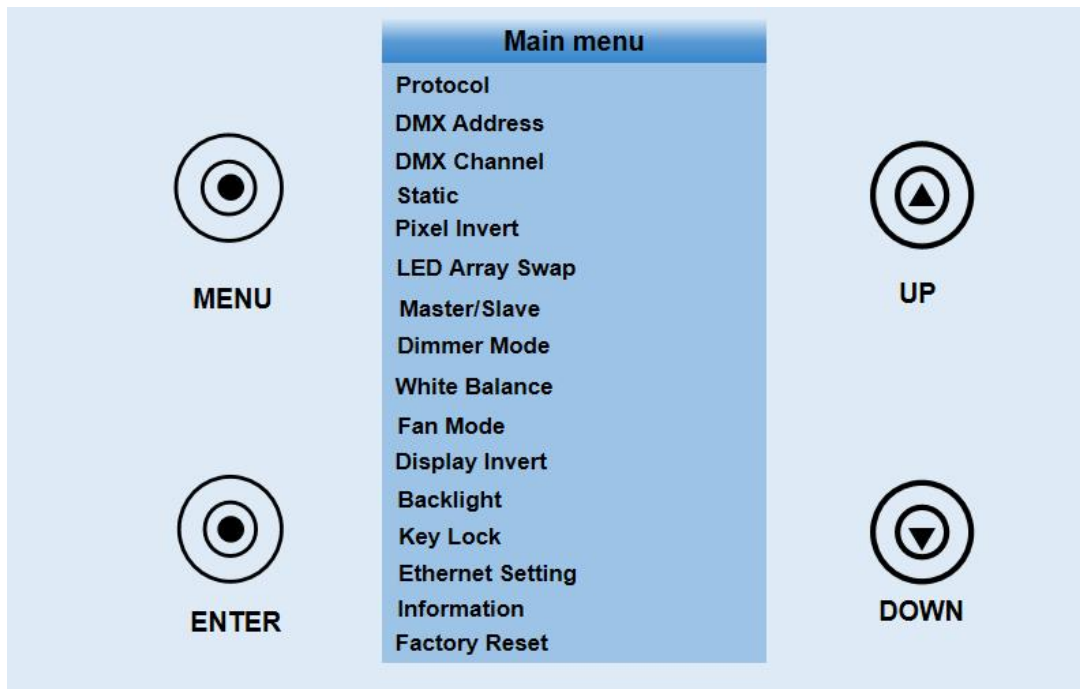


Figure 4: Determine the input window

2.1 System Settings

The main menu interface is shown in Figure 4. To modify settings, enter the system configuration, press 'ENTER' to select the desired parameter, then use the 'UP' and 'DOWN' keys to adjust the content. Confirm with 'ENTER' to update the lamp's operating mode, parameters, and display settings on the panel. Refer to Table 1 for detailed specifications.

option	explain	
protocol	DMX pattern	Console mode, receiving DMX signals
	Artnet	Artnet mode, receives Artnet signals
	sACN	sACN mode, receives sACN signals
DMX address	001-512	
channel pattern	15CH/39CH/71CH/112CH/178CH/209CH/275CH	
Static mode	Manual mode (000-255)	
	automatic testing	
Pixel Reversal	Set pixel direction	
	RGB 1	Yes/No
	RGB 2	Yes/No
	central tube	Yes/No
	Single tube 1	Yes/No
	Single Pipe 2	Yes/No
	Single Pipe 3	Yes/No
LED Array Switch	RGB1-2 Swap	Yes/No
	Single tube 1-4 exchange	Yes/No
Master-slave mode	host	Yes/No
	From	Yes/No

Dimming Mode	close	Quick dimming
	Dimming Mode 1	Dimming speed 1
	Dimming Mode 2	Dimming speed 2
	Dimming Mode 3	Dimming speed 3
white balance	Red/Green/Blue	
Fan mode	close	Fan off
	maximum wind	Fan always on
	voluntarily	Fan speed control
	loudspeaker mute	Fan silent speed adjustment
Display reverse	close	Screen facing forward
	open	Screen Reversed
Screen lock	After the screen is turned off, the screen locks. The unlock password will appear on the lock screen.	
	close	Do not lock
	open	lock
Backlight brightness	10S/20S/20Min/always on	
network settings	Set network parameters	
	land within certain boundaries	Artnet sACN
	IP address	002.000.000.001
	subnet mask	255.000.000.000
system info	Device usage time	0H
	LED utility time	0H
	Display board version number	V4.2
	A version number	V0.0
	B version number	V0.0
	C version number	V0.0
	RDM UID	009BXXXXXXXX
	Clear device usage time	Yes/No
	Clear display time	Yes/No
factory data reset	Lighting parameters return factory settings	
	cancel	res sic stantibus
	affirm	Restore the light fixture to factory settings

Table 1

2.2 Manual Mode

Manual Color		Manual Color		Manual Color	
1. Dimmer All	000	7. Red	000	13. W Eff	000
2. Centric W	000	8. Green	000	14. W Eff Speed	000
3. Strobe C-W	000	9. Blue	000	15. RGB Eff	000
4. White	000	10. Strobe RGB	000	16. RGB Eff Speed	000
5. Strobe W	000	11. C-W Eff	000		
6. Dimmer RGB	000	12. C-W Eff Spd	000		

Figure 5 Manual Mode Interface

2.3 System Information

Information
Fix Hours: 0H
LED Hours: 0H
Disp Ver: V4.2
A Ver: V0.0
B Ver: V0.0
C Ver: V0.0
RDM UID : 009BXXXXXXXX
Reset Fix Hours
Reset LED Hours

Figure 6 System Information Interface

Press the 'ENTER' key to access the information interface. Use the 'UP' and 'DOWN' keys to select the desired information, then press 'ENTER' again to view the corresponding content. The system interface is shown in Figure 6.

Chapter 3 Channel description and technical parameters

1. channel table

The detailed channel data are shown in Table 5 and can also be viewed in the manual operation interface.

Channel 15 mode (Mode 1):

15C H	Channel Name	Channel value	Channel function	Wind ows defau lt	remarks :
1	Total dimming	000-255		0	
2	Middle white dimming	000-255		0	
3	White flicker in the middle	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
4	White space duration	000-255		0	Only affects Flash Mode 1 (025-064)
5	Single tube (1-4) dimming	000-255		0	
6	Single tube (1-4) - Flash	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		

		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
7	Single tube (1-4) - Duration	000-255		0	Only affects Flash Mode 1 (025-064)
8	RGB (1+2) -Dim	000-255		255	
9	RGB (1+2) -Blink	000-019	Turn off light		
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		

10	RGB(1+2) - Duration	000-255		0	Only affects Flash Mode 1 (025-064)
11	RGB(1+2) -Red	000-255		255	
12	RGB(1+2) -Green	000-255		255	
13	RGB(1+2) -Blue	000-255		255	
14	RGB (1+2) - CTC	000-004	7000K		
		005-226	2000K-6500 K linear, 20-21 K steps (see CTC table for details)		
		182-182	5600K		
		226-226	6500K	2	Based on CTC images
		227-255	6621K-10.000 K-line with a step size of 120-121K (see CTC table for details)		
15	Device Settings	000-019	NF		
		020-024	Show backlight (hold for 3 seconds)	Turn on/off	
		025-029	Show backlight off (hold for 3 seconds)		
		030-034	NF		
		035-039	DMX no signal black field (hold for 3 seconds)	Black out/Stay/Flashlight	
		040-044	DMX no signal hold (hold for 3 seconds)		
		045-049	DMX no-signal emergency lighting (3 seconds)		
		050-054	NF		
		055-059	NF		
		060-064	NF		
		065-069	NF		
		070-074	NF		
		075-079	NF		
		080-084	NF		
		085-089	NF		
		090-094	NF		
		095-099	NF		
		100-104	NF		
		105-109	Fan Auto (hold for 3 seconds)	Auto, silent fan, off, max power	
		110-114	Fan mute (hold for 3 seconds)		
		115-119	Fan off (hold for 3 seconds)		
		120-124	Fan maximum power (hold for 3 seconds)		
		125-129	NF		
		130-134	Reverse RGB panel 1 off (hold for 1.5 seconds)	Turn on/off	
		135-139	Reverse RGB panel 1 on (hold for 1.5 seconds)		
		140-144	Reverse RGB panel 2 off (hold for 1.5 seconds)	Turn on/off	
		145-149	Reverse RGB panel 2 open (hold for 1.5 seconds)		
		150-154	Reverse middle white (hold 1.5 seconds)	Turn on/off	
		155-159	Reverse middle white (hold 1.5 seconds)		
		160-164	Reverse single tube 1 off (hold for 1.5 seconds)	Turn on/off	
		165-169	Reverse single tube 1 on (hold for 1.5s)		

		170-174	Reverse single tube 2 off (hold for 1.5 seconds)	Turn	
		175-179	Reverse single tube 2 on (hold for 1.5 seconds)	on/off	
		180-184	Reverse single tube 3 off (hold for 1.5 seconds)	Turn	
		185-189	Reverse single tube 3 on (hold for 1.5 seconds)	on/off	
		190-194	Reverse single tube 4 off (hold for 1.5 seconds)	Turn	
		195-199	Reverse single tube 4 open (hold for 1.5 seconds)	on/off	
		200-204	Disable RGB panel (hold for 1.5 seconds)	Turn	
		205-209	Switch to RGB panel (hold for 1.5 seconds)	on/off	
		210-214	Close the exchange single tube (hold for 1.5 seconds)	Turn on/off	
		215-219	Open the exchange single tube (hold for 1.5 seconds)		
		220-224	NF		
		225-229	NF		
		230-234	NF		
		235-239	NF		
		240-249	NF		
		250-255	NF		

Channel 39 mode (Mode 2):

39CH	Channel Name	Channel value	Channel function	Wind ows defau lt	remarks :
1	Total dimming	000-255		0	
2	Middle white dimming	000-255		0	
3	White flicker in the middle	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (Fast to Slow)		

		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
4	White space duration	000-255		0	Only affects Flash Mode 1 (025-064)
5	Center effect dimming	000-255		0	
6	Center effect selection	000-255		3	Based on the pipe diagram
7	Select X-bleach for the central tube	000-255	obligate	0	
8	Center effect speed	000-005	cease	0	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
9	Center effect faded	000-005	NF		
		006-255	Fade duration from short to long	3	
10	Central tube space	000-255	obligate		
11	Single tube (1-4) dimming	000-255		9	
12	Single tube (1-4) - Flash	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		

13	Single tube (1-4) - Continuous	000-255		0	Only affects Flash Mode 1 (025-064)
14	Single tube (1-4) dimming effect	000-255		0	
15	Single tube (1-4) - Static effect	000-255		3	Based on the pipe diagram
16	Select X fade for single tube (1-4) mode	000-255	obligate	0	
17	Single Tube Group (1-4) -Dynamic Effect	000-255		3	Based on the pipe group mode diagram
18	Single tube group (1-4) mode selection: Light X	000-255	obligate	0	
19	Single tube (1-4) mode speed	000-005	cease	0	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
20	Single tube (1-4) effect faded	070-084	NF	3	
		085-089	Fade duration from short to long		
21	Single root canal (1-4 roots) -Pattern space	000-255	obligate	0	
22	RGB panel (1+2) - dim	000-255		255	
23	RGB panel (1+2) - Blink	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
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		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		

		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
24	RGB panel (1+2) - Duration	000-255		0	Only affects Flash Mode 1 (025-064)
25	RGB panel (1+2) - Red	000-255		255	
26	RGB panel (1+2) - Green	000-255		255	
27	RGB panel (1+2) - Blue	000-255		255	
28	RGB Panel (1+2) - CTC	000-004	7000K	2	Based on CTC images
		005-226	The K-line shows a linear distribution with a step size of 20-21K (see CTC chart for details).		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000 K-line at the 120-121K level (see detailed CTC chart)		
29	RGB Panel (1+2) - Effect Dim	000-255		0	
30	RGB Panel (1+2) - Effect Selection	000-255		3	
31	RGB Panel (1+2) - Pattern Selection X-Bleach	000-255	obligate	0	
32	RGB Panel (1+2) - Effect Speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
33	RGB Panel (1+2) - Fade Effect	000-005	NF	3	
		006-255	Fade duration from short to long		
34	RGB Panel (1+2) - Pattern Space	000-041	obligate	0	
35	RGB Panel (1+2) - Red Effect	000-255			
36	RGB Panel (1+2) - Green Effect	000-255			
37	RGB Panel (1+2) - Blue Effect	000-255			
38	RGB Panel (1+2) - Mode CTC	000-004	7000K	2	Based on CTC images
		005-226	The K-line is linearly distributed with a step size of 20-21K (see CTC chart for details).		
		182-182	5600K		

		226-226	6500K		
		227-255	6621K-10.000 K-line at the 120-121K level (see detailed CTC chart)		
39	Device Settings	000-005	NF	Turn on/off	
		006-010	Show backlight (hold for 3 seconds)		
		011-015	Show backlight off (hold for 3 seconds)		
		016-018	NF	Black out/St ay/Flashlight	
		019-023	DMX no signal black field (hold for 3 seconds)		
		024-028	DMX no signal hold (hold for 3 seconds)		
		029-033	DMX no-signal emergency lighting (3 seconds)		
		034-036	NF		
		037-041	Linear dimming curve (hold for 1.5 seconds)		
		042-046	Exponential dimming curve (hold for 1.5 seconds)		
		047-051	Logarithmic dimming curve (hold for 1.5s)		
		052-056	S dimming curve (hold for 1.5 seconds)		
		057-061	NF		
		062-066	Quick dim (hold for 1.5 seconds)		
		067-071	Medium dimming (hold for 1.5 seconds)		
		072-076	Slow dim (hold for 1.5 seconds)		
		077-080	NF		
		081-085	NF		
		086-090	NF		
		091-093	NF		
		094-098	NF		
		099-103	NF		
		104-108	NF		
		109-113	NF		
		114-118	NF		
		119-123	NF		
		124-126	NF	Auto, silent fan, off, max power	
		127-131	Fan Auto (hold for 3 seconds)		
		132-136	Fan mute (hold for 3 seconds)		
		137-141	Fan off (hold for 3 seconds)		
		142-146	Maximum fan power (hold for 3 seconds)		
		147-149	NF		
		150-153	Reverse RGB panel 1 off (hold for 1.5 seconds)	Turn on/off	
		154-157	Reverse RGB panel 1 on (hold for 1.5 seconds)		
		158-161	Reverse RGB panel 2 off (hold for 1.5 seconds)	Turn on/off	
		162-165	Reverse RGB panel 2 open (hold for 1.5 seconds)		
		166-169	Reverse middle white (hold 1.5 seconds)	Turn on/off	
		170-173	Reverse middle white (hold 1.5 seconds)		

		174-177	Reverse single tube 1 off (hold for 1.5 seconds)	Turn on/off	
		178-181	Reverse single tube 1 on (hold for 1.5s)		
		182-185	Reverse single tube 2 off (hold for 1.5 seconds)	Turn on/off	
		186-189	Reverse single tube 2 on (hold for 1.5 seconds)		
		190-193	Reverse single tube 3 off (hold for 1.5 seconds)	Turn on/off	
		194-197	Reverse single tube 3 on (hold for 1.5 seconds)		
		198-201	Reverse single tube 4 off (hold for 1.5 seconds)	Turn on/off	
		202-205	Reverse single tube 4 open (hold for 1.5 seconds)		
		206-209	Disable RGB panel (hold for 1.5 seconds)	Turn on/off	
		210-213	Switch to RGB panel (hold for 1.5 seconds)		
		214-217	Close the exchange single tube (hold for 1.5 seconds)	Turn on/off	
		218-221	Open the exchange single tube (hold for 1.5 seconds)		
		222-224	NF		
		225-255	NF		

Channel 71 mode (Mode 3):

71C H	Channel Name	Channel value	Channel Function	Win dows defa ult	remarks :
1	Total dimming	000-255		0	
2	Middle white dimming	000-255		0	
3	White flicker in the middle	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (Fast to Slow)		

		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
4	White space duration	000-255		0	Only affects Flash Mode 1 (025-064)
5	Center effect dimming	000-255		0	
6	Center effect selection	000-255		3	Based on the pipe diagram
7	Select X-bleach for the central tube	000-255	obligate	0	
8	Center effect speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
9	Center effect faded	000-005	NF	3	
		006-255	Fade duration from short to long		
10	Central tube space	000-255	obligate		
11	Single tube 1 dim	000-255		0	
12	Single Tube 1-Flash	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		

		245-255	opening the light		
13	Single tube 1-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
14	Single tube 1-Effect dimming	000-255		0	
15	Single Tube 1-Effect Selection	000-255		3	Based on the pipe diagram
16	Select X-bleach for single tube 1	000-255	obligate	0	
17	Single tube 1 effect speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
18	Single tube 1 effect faded	000-005	NF	3	
		006-255	Fade duration from short to long		
19	Single Tube 1 Mode Space	000-255	obligate	0	
20	Single tube 2 dim	000-255		0	
21	Single Tube 2-Flicker	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		

22	Single tube 2-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
23	Single tube 2-Effect dimming	000-255		0	
24	Single Tube 2-Effect Selection	000-255		3	Based on the pipe diagram
25	Single tube 2 select X-bleach	000-255	obligate	0	
26	Single Tube 2 Effect Speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
27	Single tube 2 effect fade	000-005	NF	3	
		006-255	Fade duration from short to long		
28	Single Tube 2 Mode Space	000-255	obligate	0	
29	Single tube 3 dim	000-255		0	
30	Single Tube 3-Flicker	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		

31	Single tube 3-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
32	Single tube 3-Effect dimming	000-255		0	
33	Single Tube 3-Effect Selection	000-255		3	Based on the pipe diagram
34	Single tube 3 select X-bleach	000-255	obligate	0	
35	Single Tube 3 Effect Speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
36	Single tube 3 effect fade	000-005	NF	3	
		006-255	Fade duration from short to long		
37	Single Tube 3 Mode Space	000-255	obligate	0	
38	Single tube 4 dim	000-255		0	
39	Single Tube 4-Flicker	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		

40	Single tube 4-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
41	Single tube 4-Effect dimming	000-255		0	
42	Single Tube 4-Effect Selection	000-255		3	Based on the pipe diagram
43	Single tube 4 select X-bleach	000-255	obligate	0	
44	Single tube 4 effect speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
15	Single tube 4 effect fade	000-005	NF	3	
		006-255	Fade duration from short to long		
46	Single Tube 4 Mode Space	000-255	obligate	0	
47	Single tube group (1-4) dimming	000-255		0	
48	Single tube group (1-4) effect selection	000-255		3	Based on the pipe cluster mode chart
49	Change X fade for single tube group (1-4)	000-255	obligate	0	
50	Single tube group (1-4) effect speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
51	Single tube group (1-4) effect faded	000-005	NF	3	
		006-255	Fade duration from short to long		
52	Single Tube Group (1-4) Mode Space	000-255	obligate	0	
53	RGB panel (1+2) -dim	000-255		255	
54	RGB panel (1+2) -Blink	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off		

			(from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
55	RGB panel (1+2) - Duration	000-255		0	Only affects Flash Mode 1 (025-064)
56	RGB panel (1+2) -Red	000-255		255	
57	RGB panel (1+2) - Green	000-255		255	
58	RGB panel (1+2) -Blue	000-255		255	
59	RGB Panel (1+2) -CTC	000-004	7000K	2	Affects RGB panel 1, +, 2 and mode
		005-226	2000K-6500 K linear, 20-21 K steps (see CTC table for details)		Based on CTC images
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000 K-line with a step size of 120 -121K (see CTC table for details)		
60	RGB Panel (1+2) - Color Macro	000-255		3	Based on the ROXX color macro chart
61	RGB panel (1+2) - Color macro x-Bleach	000-255	obligate	3	
62	RGB Panel (1+2) - Effect Dim	000-255		0	
63	RGB Panel (1+2) - Effect Selection	000-255		3	
64	RGB Panel (1+2) - Pattern Selection X-Bleach	000-255	obligate	0	
65	RGB Panel (1+2) - Effect Speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		

		250-255	cease		
66	RGB Panel (1+2) -Fade Effect	000-005	NF	3	
		006-255	Fade duration from short to long		
67	RGB Panel (1+2) -Pattern Space	000-255	obligate	0	
68	RGB Panel (1+2) -Red Effect	000-255			
69	RGB Panel (1+2) -Green Effect	000-255			
70	RGB Panel (1+2) -Blue Effect	000-255			
71	Device Settings	000-005	NF		
		006-010	Show backlight (hold for 3 seconds)	Turn on/off	
		011-015	Show backlight off (hold for 3 seconds)		
		016-018	NF		
		019-023	DMX no signal black field (hold for 3 seconds)	Blackout/Stay/Flash light	
		024-028	DMX no signal hold (hold for 3 seconds)		
		029-033	DMX no-signal emergency lighting (hold for 3 seconds)		
		034-036	NF		
		037-041	Linear dimming curve (hold for 1.5 seconds)		
		042-046	Exponential dimming curve (hold for 1.5 seconds)		
		047-051	Logarithmic dimming curve (hold for 1.5s)		
		052-056	S dimming curve (hold for 1.5 seconds)		
		057-061	NF		
		062-066	Quick dim (hold for 1.5 seconds)		
		067-071	Medium dimming (hold for 1.5 seconds)		
		072-076	Slow dim (hold for 1.5 seconds)		
		077-080	NF		
		081-085	NF		
		086-090	NF		
		091-093	NF		
		094-098	NF		
		099-103	NF		
		104-108	NF		
		109-113	NF		
		114-118	NF		
		119-123	NF		
		124-126	NF		
		127-131	Fan Auto (hold for 3 seconds)	Auto, silent	
		132-136	Fan mute (hold for 3 seconds)		
		137-141	Fan off (hold for 3 seconds)		

		142-146	Maximum fan power (hold for 3 seconds)	fan, off, max power	
		147-149	NF		
		150-153	Reverse RGB panel 1 off (hold for 1.5 seconds)	Turn on/off	
		154-157	Reverse RGB panel 1 on (hold for 1.5 seconds)	f	
		158-161	Reverse RGB panel 2 off (hold for 1.5 seconds)	Turn on/off	
		162-165	Reverse RGB panel 2 opened (hold for 1.5 seconds)	f	
		166-169	Reverse middle white (hold 1.5 seconds)	Turn on/off	
		170-173	Reverse middle white (hold 1.5 seconds)	f	
		174-177	Reverse single tube 1 off (hold for 1.5 seconds)	Turn on/off	
		178-181	Reverse single tube 1 on (hold for 1.5s)	f	
		182-185	Reverse single tube 2 off (hold for 1.5 seconds)	Turn on/off	
		186-189	Reverse single tube 2 on (hold for 1.5 seconds)	f	
		190-193	Reverse single tube 3 off (hold for 1.5 seconds)	Turn on/off	
		194-197	Reverse single tube 3 on (hold for 1.5 seconds)	f	
		198-201	Reverse single tube 4 off (hold for 1.5 seconds)	Turn on/off	
		202-205	Reverse single tube 4 open (hold for 1.5 seconds)	f	
		206-209	Disable RGB panel (hold for 1.5 seconds)	Turn on/off	
		210-213	Switch to RGB panel (hold for 1.5 seconds)	f	
		214-217	Close the exchange single tube (hold for 1.5 seconds)	Turn on/off	
		218-221	Open the exchange single tube (hold for 1.5 seconds)	f	
		222-224	NF		
		225-255	NF		

Channel 112 mode (Mode 4):

112CH	Channel Name	Channel value	Channel function	Windows default	remarks :
1	Middle white dimming	000-255		0	
2	White flicker in the middle	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast		

			to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
3	Central tube duration	000-255		0	Only affects Flash Mode 1 (025-064)
4	Central tube pixel 1-dimming	000-255		0	
5	Central tube pixel 2-dimming	000-255		0	
6	Central tube pixel 3-dimming	000-255		0	
7	Central tube pixel 4-dimming	000-255		0	
8	Central tube pixel 5-dimming	000-255		0	
9	Central tube pixel 6-dimming	000-255		0	
10	Central tube pixel 7-dimming	000-255		0	
11	Central tube pixel 8-dimming	000-255		0	
12	Central tube pixel 9-dimming	000-255		0	
13	Central tube pixel 10-dimming	000-255		0	
14	Central tube pixel 11-dimming	000-255		0	
15	Central tube pixel 12-dimming	000-255		0	
16	Single Tube 1-Flash	000- 019	Turn off light	22	

		020- 024	opening the light		
		025- 064	Flash Mode 1 (Fast to Slow)		
		065- 069	opening the light		
		070- 084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085- 089	opening the light		
		090- 104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105- 109	opening the light		
		110- 124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125- 129	opening the light		
		130- 144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145- 149	opening the light		
		150- 164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165- 169	opening the light		
		170- 184	Shutter mode 7: Flash (fast to slow)		
		185- 189	opening the light		
		190- 204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205- 209	opening the light		
		210- 224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225- 229	opening the light		
		230- 244	Shutter mode 10: Flash (fast to slow)		
		245- 255	opening the light		
17	Single tube 1- Duration	000-255		0	Only affects Flash Mode 1 (025-064)
18	Single tube 1 pixel 1- dimming	000-255		0	
19	Single tube 1 pixel 2- dimming	000-255		0	
20	Single tube 1 pixel 3- dimming	000-255		0	
21	Single tube 1 pixel 4- dimming	000-255		0	
22	Single tube 1 pixel 5- dimming	000-255		0	
23	Single tube 1 pixel 6- dimming	000-255		0	
24	Single tube 1 pixel 7- dimming	000-255		0	
25	Single tube 1 pixel 8- dimming	000-255		0	
26	Single tube 1 pixel 9- dimming	000-255		0	

27	Single tube 1 pixel 10-dimming	000-255		0	
28	Single tube 1 pixel 11-dimming	000-255		0	
29	Single tube 1 pixel 12-dimming	000-255		0	
30	Single Tube 2-Flicker	000- 019	Turn off light	22	
		020- 024	opening the light		
		025- 064	Flash Mode 1 (Fast to Slow)		
		065- 069	opening the light		
		070- 084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085- 089	opening the light		
		090- 104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105- 109	opening the light		
		110- 124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125- 129	opening the light		
		130- 144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145- 149	opening the light		
		150- 164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165- 169	opening the light		
		170- 184	Shutter mode 7: Flash (fast to slow)		
		185- 189	opening the light		
		190- 204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205- 209	opening the light		
		210- 224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225- 229	opening the light		
		230- 244	Shutter mode 10: Flash (fast to slow)		
		245- 255	opening the light		
31	Single tube 2-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
32	Single tube 2 pixels 1-dimming	000-255		0	
33	Single tube 2 pixels 2-dimming	000-255		0	
34	Single tube 2 pixels 3-dimming	000-255		0	
35	Single tube 2-pixel 4-dimming	000-255		0	
36	Single tube 2 pixels 5-dimming	000-255		0	
37	Single tube 2 pixels 6-	000-255		0	

	dim				
38	Single tube 2-pixel 7-dimming	000-255		0	
39	Single tube 2-pixel 8-dimming	000-255		0	
40	Single tube 2 pixels 9-dimming	000-255		0	
41	Single tube 2 pixels 10-dimming	000-255		0	
42	Single tube 2 pixels 11-dimming	000-255		0	
43	Single tube 2 pixels 12-dimming	000-255		0	
44	Single Tube 3-Flicker	000- 019	Turn off light	22	
		020- 024	opening the light		
		025- 064	Flash Mode 1 (Fast to Slow)		
		065- 069	opening the light		
		070- 084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085- 089	opening the light		
		090- 104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105- 109	opening the light		
		110- 124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125- 129	opening the light		
		130- 144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145- 149	opening the light		
		150- 164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165- 169	opening the light		
		170- 184	Shutter mode 7: Flash (fast to slow)		
		185- 189	opening the light		
		190- 204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205- 209	opening the light		
		210- 224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225- 229	opening the light		
		230- 244	Shutter mode 10: Flash (fast to slow)		
		245- 255	opening the light		
45	Single tube 3-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
46	Single tube 3-pixel 1-dimming	000-255		0	

47	Single tube 3-pixel 2-dimming	000-255		0	
48	Single tube 3-pixel 3-way dimming	000-255		0	
49	Single tube 3-pixel 4-dimming	000-255		0	
50	Single tube 3-pixel 5-dimming	000-255		0	
51	Single tube 3-pixel 6-dimming	000-255		0	
52	Single tube 3-pixel 7-dimming	000-255		0	
53	Single tube 3-pixel 8-dimming	000-255		0	
54	Single tube 3-pixel 9-dimming	000-255		0	
55	Single tube 3-pixel 10-dimming	000-255		0	
56	Single tube 3-pixel 11-dimming	000-255		0	
57	Single tube 3-pixel 12-tone dimming	000-255		0	
58	Single Tube 4-Flicker	000- 019	Turn off light	22	
		020- 024	opening the light		
		025- 064	Flash Mode 1 (Fast to Slow)		
		065- 069	opening the light		
		070- 084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085- 089	opening the light		
		090- 104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105- 109	opening the light		
		110- 124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125- 129	opening the light		
		130- 144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145- 149	opening the light		
		150- 164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165- 169	opening the light		
		170- 184	Shutter mode 7: Flash (fast to slow)		
		185- 189	opening the light		
		190- 204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205- 209	opening the light		
		210- 224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225- 229	opening the light		

		230- 244	Shutter mode 10: Flash (fast to slow)		
		245- 255	opening the light		
59	Single tube 4-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
60	Single tube 4-pixel 1-dimming	000-255		0	
61	Single tube 4-pixel 2-tone dimming	000-255		0	
62	Single tube 4-pixel 3-way dimming	000-255		0	
63	Single tube 4-pixel 4-dimming	000-255		0	
64	Single tube 4-pixel 5-dimming	000-255		0	
65	Single tube 4-pixel 6-way dimming	000-255		0	
66	Single tube 4-pixel 7-way dimming	000-255		0	
67	Single tube 4-pixel 8-way dimming	000-255		0	
68	Single tube 4-pixel 9-dimming	000-255		0	
69	Single tube 4-pixel 10-dimming	000-255		0	
70	Single tube 4 pixels 11-dimming	000-255		0	
71	Single tube 4-pixel 12-tone dimming	000-255		0	
72	RGB Panel 1-Blink	000- 019	Turn off light	22	
		020- 024	opening the light		
		025- 064	Flash Mode 1 (Fast to Slow)		
		065- 069	opening the light		
		070- 084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085- 089	opening the light		
		090- 104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105- 109	opening the light		
		110- 124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125- 129	opening the light		
		130- 144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145- 149	opening the light		
		150- 164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165- 169	opening the light		
		170- 184	Shutter mode 7: Flash (fast to slow)		

		185- 189	opening the light		
		190- 204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205- 209	opening the light		
		210- 224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225- 229	opening the light		
		230- 244	Shutter mode 10: Flash (fast to slow)		
		245- 255	opening the light		
73	RGB Panel 1- Duration	000-255		255	Only affects Flash Mode 1 (025-064)
74	RGB Panel 1-Red 1	000-255		255	
75	RGB Panel 1-Green 1	000-255		255	
76	RGB Panel 1-Blue 1	000-255		255	
77	RGB Panel 1-Red 2	000-255		255	
78	RGB Panel 1-Green 2	000-255		255	
79	RGB Panel 1-Blue 2	000-255		255	
80	RGB Panel 1-Red 3	000-255		255	
81	RGB Panel 1-Green 3	000-255		255	
82	RGB Panel 1-Blue 3	000-255		255	
83	RGB Panel 1-Red 4	000-255		255	
84	RGB Panel 1-Green 4	000-255		255	
85	RGB Panel 1-Blue 4	000-255		255	
86	RGB Panel 1-Red 5	000-255		255	
87	RGB Panel 1-Green 5	000-255		255	
88	RGB Panel 1-Blue 5	000-255		255	
89	RGB Panel 1-Red 6	000-255		255	
90	RGB Panel 1-Green 6	000-255		255	
91	RGB Panel 1-Blue 6	000-255		255	
92	RGB Panel 2-Blink	000- 019	Turn off light	22	
		020- 024	opening the light		
		025- 064	Flash Mode 1 (Fast to Slow)		
		065- 069	opening the light		
		070- 084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085- 089	opening the light		
		090- 104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105- 109	opening the light		
		110- 124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125- 129	opening the light		
		130- 144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145- 149	opening the light		
		150- 164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165- 169	opening the light		

		170- 184	Shutter mode 7: Flash (fast to slow)		
		185- 189	opening the light		
		190- 204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205- 209	opening the light		
		210- 224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225- 229	opening the light		
		230- 244	Shutter mode 10: Flash (fast to slow)		
		245- 255	opening the light		
93	RGB Panel 2-Duration	000-255		255	Only affects Flash Mode 1 (025-064)
94	RGB Panel 2-Red 1	000-255		255	
95	RGB Panel 2-Green 1	000-255		255	
96	RGB Panel 2-Blue 1	000-255		255	
97	RGB Panel 2-Red 2	000-255		255	
98	RGB Panel 2-Green 2	000-255		255	
99	RGB Panel 2-Blue 2	000-255		255	
100	RGB Panel 2-Red 3	000-255		255	
101	RGB Panel 2-Green 3	000-255		255	
102	RGB Panel 2-Blue 3	000-255		255	
103	RGB Panel 2-Red 4	000-255		255	
104	RGB Panel 2-Green 4	000-255		255	
105	RGB Panel 2-Blue 4	000-255		255	
106	RGB Panel 2-Red 5	000-255		255	
107	RGB Panel 2-Green 5	000-255		255	
108	RGB Panel 2-Blue 5	000-255		255	
109	RGB Panel 2-Red 6	000-255		255	
110	RGB Panel 2-Green 6	000-255		255	
111	RGB Panel 2-Blue 6	000-255		255	
112	Device Settings	000-005	NF	Turn on/off	
		006-010	Show backlight (hold for 3 seconds)		
		011-015	Show backlight off (hold for 3 seconds)		
		016-018	NF	Blackout/Stay/Flashlight	
		019-023	DMX no signal black field (hold for 3 seconds)		
		024-028	DMX no signal hold (hold for 3 seconds)		
		029-033	DMX no-signal emergency lighting (hold for 3 seconds)		
		034-036	NF		
		037-041	Linear dimming curve (hold for 1.5 seconds)		
		042-046	Exponential dimming curve (hold for 1.5 seconds)		
		047-051	Logarithmic dimming curve (hold for 1.5s)		
		052-056	S dimming curve (hold for 1.5 seconds)		
		057-061	NF		

		062-066	Quick dim (hold for 1.5 seconds)		
		067-071	Medium dimming (hold for 1.5 seconds)		
		072-076	Slow dim (hold for 1.5 seconds)		
		077-080	NF		
		081-085	NF		
		086-090	NF		
		091-093	NF		
		094-098	NF		
		099-103	NF		
		104-108	NF		
		109-113	NF		
		114-118	NF		
		119-123	NF		
		124-126	NF		
		127-131	Fan Auto (hold for 3 seconds)	Auto, silent fan, off, max power	
		132-136	Fan mute (hold for 3 seconds)		
		137-141	Fan off (hold for 3 seconds)		
		142-146	Maximum fan power (hold for 3 seconds)		
		147-149	NF		
		150-153	Reverse RGB panel 1 off (hold for 1.5 seconds)	Turn on/off	
		154-157	Reverse RGB panel 1 on (hold for 1.5 seconds)		
		158-161	Reverse RGB panel 2 off (hold for 1.5 seconds)	Turn on/off	
		162-165	Reverse RGB panel 2 open (hold for 1.5 seconds)		
		166-169	Reverse middle white (hold 1.5 seconds)	Turn on/off	
		170-173	Reverse middle white (hold 1.5 seconds)		
		174-177	Reverse single tube 1 off (hold for 1.5 seconds)	Turn on/off	
		178-181	Reverse single tube 1 on (hold for 1.5s)		
		182-185	Reverse single tube 2 off (hold for 1.5 seconds)	Turn on/off	
		186-189	Reverse single tube 2 on (hold for 1.5 seconds)		
		190-193	Reverse single tube 3 off (hold for 1.5 seconds)	Turn on/off	
		194-197	Reverse single tube 3 on (hold for 1.5 seconds)		
		198-201	Reverse single tube 4 off (hold for 1.5 seconds)	Turn on/off	
		202-205	Reverse single tube 4 open (hold for 1.5 seconds)		
		206-209	Disable RGB panel (hold for 1.5 seconds)	Turn on/off	
		210-213	Switch to RGB panel (hold for 1.5		

			seconds)		
		214-217	Close the exchange single tube (hold for 1.5 seconds)	Turn on/off	
		218-221	Open the exchange single tube (hold for 1.5 seconds)		
		222-224	NF		
		225-255	NF		

Channel 178 mode (Mode 5):

178C H	Channel Name	Channel value	Channel function	Windows default	remarks :
1	Total dimming	000-255		0	
2	Central tube pixel 1-dimming	000-255		0	
3	Central tube pixel 2-dimming	000-255		0	
4	Central tube pixel 3-dimming	000-255		0	
5	Central tube pixel 4-dimming	000-255		0	
6	Central tube pixel 5-dimming	000-255		0	
7	Central tube pixel 6-dimming	000-255		0	
8	Central tube pixel 7-dimming	000-255		0	
9	Central tube pixel 8-dimming	000-255		0	
10	Central tube pixel 9-dimming	000-255		0	
11	Central tube pixel 10-dimming	000-255		0	
12	Central tube pixel 11-dimming	000-255		0	
13	Central tube pixel 12-dimming	000-255		0	
14	White flicker in the middle	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		

		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
15	White space duration	000-255		0	Only affects Flash Mode 1 (025-064)
16	Center effect dimming	000-255		0	
17	Center effect selection	000-255		3	Based on the pipe diagram
18	Select X-bleach for the central tube	000-255	obligate	0	
19	Center effect speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
20	Center effect faded	000-005	NF	3	
		006-255	Fade duration from short to long		
21	Central tube space	000-255	obligate		
22	Single tube 1-pixel 1-dimming	000-255		0	
23	Single tube 1-pixel 2-dimming	000-255		0	
24	Single tube 1-pixel 3-dimming	000-255		0	
25	Single tube 1-pixel 4-dimming	000-255		0	
26	Single tube 1-pixel 5-dimming	000-255		0	
27	Single tube 1-pixel 6-dimming	000-255		0	
28	Single tube 1-pixel 7-dimming	000-255		0	
29	Single tube 1-pixel 8-dimming	000-255		0	
30	Single tube 1-pixel 9-dimming	000-255		0	
31	Single tube 1-pixel 10-dimming	000-255		0	
32	Single tube 1-pixel 11-dimming	000-255		0	
33	Single tube 1-pixel 12-dimming	000-255		0	

34	Single Tube 1-Flash	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
35	Single tube 1-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
36	Single tube 1-Effect dimming	000-255		0	
37	Single Tube 1-Effect Selection	000-255		3	Based on the pipe diagram
38	Select X-bleach for single tube 1	000-255	obligate	0	
39	Single tube 1 effect speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
40	Single tube 1 effect faded	000-005	NF	3	
		006-255	Fade duration from short to long		
41	Single Tube 1 Mode Space	000-255	obligate	0	
42	Single tube 2 pixels 1-dimming	000-255		0	
43	Single tube 2 pixels 2-dimming	000-255		0	
44	Single tube 2 pixels 3-dimming	000-255		0	
45	Single tube 2-pixel 4-	000-255		0	

	dimming				
46	Single tube 2 pixels 5-dimming	000-255		0	
47	Single tube 2 pixels 6-dim	000-255		0	
48	Single tube 2-pixel 7-dimming	000-255		0	
49	Single tube 2-pixel 8-dimming	000-255		0	
50	Single tube 2 pixels 9-dimming	000-255		0	
51	Single tube 2 pixels 10-dimming	000-255		0	
52	Single tube 2 pixels 11-dimming	000-255		0	
53	Single tube 2 pixels 12-dimming	000-255		0	
54	Single Tube 2-Flicker	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
55	Single tube 2-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
56	Single tube 2-Effect dimming	000-255		0	
57	Single Tube 2-Effect Selection	000-255		3	Based on the pipe diagram
58	Single tube 2 select X-	000-255	obligate	0	

	bleach				
59	Single Tube 2 Effect Speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
60	Single tube 2 effect fade	000-005	NF	3	
		006-255	Fade duration from short to long		
61	Single Tube 2 Mode Space	000-255	obligate	0	
62	Single tube 3-pixel 1-dimming	000-255		0	
63	Single tube 3-pixel 2-dimming	000-255		0	
64	Single tube 3-pixel 3-way dimming	000-255		0	
65	Single tube 3-pixel 4-dimming	000-255		0	
66	Single tube 3-pixel 5-dimming	000-255		0	
67	Single tube 3-pixel 6-dimming	000-255		0	
68	Single tube 3-pixel 7-dimming	000-255		0	
69	Single tube 3-pixel 8-dimming	000-255		0	
70	Single tube 3-pixel 9-dimming	000-255		0	
71	Single tube 3-pixel 10-dimming	000-255		0	
72	Single tube 3-pixel 11-dimming	000-255		0	
73	Single tube 3-pixel 12-tone dimming	000-255		0	
74	Single Tube 3-Flicker	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		

		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
75	Single tube 3-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
76	Single tube 3-Effect dimming	000-255		0	
77	Single Tube 3-Effect Selection	000-255		3	Based on the pipe diagram
78	Single tube 3 select X-bleach	000-255	obligate	0	
79	Single Tube 3 Effect Speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
80	Single tube 3 effect fade	000-005	NF	3	
		006-255	Fade duration from short to long		
81	Single Tube 3 Mode Space	000-255	obligate	0	
82	Single tube 4-pixel 1-dimming	000-255		0	
83	Single tube 4-pixel 2-tone dimming	000-255		0	
84	Single tube 4-pixel 3-way dimming	000-255		0	
85	Single tube 4-pixel 4-dimming	000-255		0	
86	Single tube 4-pixel 5-dimming	000-255		0	
87	Single tube 4-pixel 6-way dimming	000-255		0	
88	Single tube 4-pixel 7-dimming	000-255		0	
89	Single tube 4-pixel 8-way dimming	000-255		0	
90	Single tube 4-pixel 9-dimming	000-255		0	
91	Single tube 4-pixel 10-dimming	000-255		0	
92	Single tube 4 pixels 11-dimming	000-255		0	
93	Single tube 4-pixel 12-tone dimming	000-255		0	
94	Single Tube 4-Flicker	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		

		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
95	Single tube 4-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
96	Single tube 4-Effect dimming	000-255		0	
97	Single Tube 4-Effect Selection	000-255		3	Based on the pipe diagram
98	Single tube 4 select X-bleach	000-255	obligate	0	
99	Single tube 4 effect speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
100	Single tube 4 effect fade	000-005	NF	3	
		006-255	Fade duration from short to long		
101	Single Tube 4 Mode Space	000-255	obligate	0	
102	Single tube group (1-4) dimming	000-255		0	
103	Single tube group (1-4) effect selection	000-255		3	Based on the pipe cluster mode chart
104	Change X fade for single tube group (1-4)	000-255	obligate	0	
105	Single tube group (1-4) effect speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		

		250-255	cease		
106	Single tube group (1-4) effect faded	000-005	NF	3	
		006-255	Fade duration from short to long		
107	Single Tube Group (1-4) Mode Space	000-255	obligate	0	
108	RGB Panel 1-Blink	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
109	RGB Panel 1-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
110	RGB Panel 1-Effect Dim	000-255		0	
111	RGB Panel 1-Effect Selection	000-255		3	Based on the RGB panel mode diagram
112	RGB Panel 1-Pattern Selection X-Bleach	000-255	obligate	0	
113	RGB Panel 1-Effect Speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		

114	RGB Panel 1-Fade Effect	000-005	NF	3	
		006-255	Fade duration from short to long		
115	RGB Panel 1-Pattern Space	000-255	obligate	3	
116	RGB Panel 1-Red Effect	000-255		255	
117	RGB Panel 1-Green Effect	000-255		255	
118	RGB Panel 1-Blue Effect	000-255		255	
119	RGB Panel 1-CTC	000-004	7000K	2	Based on CTC images
		005-226	2000K-6500 K linear, 20-21 K steps		
		182-182	5600K		
		183-226	6500K		
		227-255	6621K-10.000 K-line with a step size of 120-121K (see CTC table for details)		
120	RGB Panel 1-Red 1	000-255		255	
121	RGB Panel 1-Green 1	000-255		255	
122	RGB Panel 1-Blue 1	000-255		255	
123	RGB Panel 1-Red 2	000-255		255	
124	RGB Panel 1-Green 2	000-255		255	
125	RGB Panel 1-Blue 2	000-255		255	
126	RGB Panel 1-Red 3	000-255		255	
127	RGB Panel 1-Green 3	000-255		255	
128	RGB Panel 1-Blue 3	000-255		255	
129	RGB Panel 1-Red 4	000-255		255	
130	RGB Panel 1-Green 4	000-255		255	
131	RGB Panel 1-Blue 4	000-255		255	
132	RGB Panel 1-Red 5	000-255		255	
133	RGB Panel 1-Green 5	000-255		255	
134	RGB Panel 1-Blue 5	000-255		255	
135	RGB Panel 1-Red 6	000-255		255	
136	RGB Panel 1-Green 6	000-255		255	
137	RGB Panel 1-Blue 6	000-255		255	
138	RGB Panel 2-Blink	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		

		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
139	RGB Panel 2-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
140	RGB Panel 2-Effect Dim	000-255		0	
141	RGB Panel 2-Effect Selection	000-255		3	From the RGB panel mode diagram
142	RGB Panel 2-Pattern Selection X-Light	000-255	obligate	0	
143	RGB Panel 2-Effect Speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
144	RGB Panel 2-Fade Effect	000-005	NF	3	
		006-255	Fade duration from short to long		
145	RGB Panel 2-Mode Space	000-255	obligate	3	
146	RGB Panel 2-Red Effect	000-255		255	
147	RGB Panel 2-Green Effect	000-255		255	
148	RGB Panel 2-Blue Effect	000-255		255	
149	RGB Panel 2-CTC	000-004	7000K	2	Panel 2 and RGB Panel Mode 2
		005-226	2000K-6500 K linear, 20-21 K steps (see CTC table for details)		Protocol to CTC chart
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000 K-line with a step size of 120-121K (see CTC table for details)		
150	RGB Panel 2-Red 1	000-255		255	
151	RGB Panel 2-Green 1	000-255		255	
152	RGB Panel 2-Blue 1	000-255		255	
153	RGB Panel 2-Red 2	000-255		255	
154	RGB Panel 2-Green 2	000-255		255	
155	RGB Panel 2-Blue 2	000-255		255	
156	RGB Panel 2-Red 3	000-255		255	

157	RGB Panel 2-Green 3	000-255		255	
158	RGB Panel 2-Blue 3	000-255		255	
159	RGB Panel 2-Red 4	000-255		255	
160	RGB Panel 2-Green 4	000-255		255	
161	RGB Panel 2-Blue 4	000-255		255	
162	RGB Panel 2-Red 5	000-255		255	
163	RGB Panel 2-Green 5	000-255		255	
164	RGB Panel 2-Blue 5	000-255		255	
165	RGB Panel 2-Red 6	000-255		255	
166	RGB Panel 2-Green 6	000-255		255	
167	RGB Panel 2-Blue 6	000-255		255	
168	RGB panel (1+2) effect dimming	000-255		0	
169	RGB panel (1+2) effect selection	000-255		3	RGB panel mode diagram
170	RGB panel (1+2) select X-in	000-255	obligate		
171	RGB panel (1+2) effect speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
172	RGB panel (1+2) effect fade	000-005	NF	3	
		006-255	Fade duration from short to long		
173	RGB panel (1+2) mode space	000-255	obligate	0	
174	RGB panel (1+2) effect red	000-255		255	
175	RGB panel (1+2) effect green	000-255		255	
176	RGB panel (1+2) effect blue	000-255		255	
177	RGB Panel (1+2) CTC	000- 004	7000K	2	Based on CTC images
		005-226	The K-line shows a linear distribution with a step size of 20-21K (see CTC chart for details).		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000 K-line at the 120-121K level (see detailed CTC chart)		
178	Device Settings	000-005	NF	Turn on/off	
		006-010	Show backlight (hold for 3 seconds)		
		011-015	Show backlight off (hold for 3 seconds)		
		016-018	NF	Blacko ut/Stay /Flashl ight	
		019-023	DMX no signal black field (hold for 3 seconds)		
		024-028	DMX no signal hold (hold for 3 seconds)		
		029-033	DMX no-signal emergency lighting (3 seconds)		
		034-036	NF		
		037-041	Linear dimming curve (hold for 1.5		

			seconds)		
		042-046	Exponential dimming curve (hold for 1.5 seconds)		
		047-051	Logarithmic dimming curve (hold for 1.5s)		
		052-056	S dimming curve (hold for 1.5 seconds)		
		057-061	NF		
		062-066	Quick dim (hold for 1.5 seconds)		
		067-071	Medium dimming (hold for 1.5 seconds)		
		072-076	Slow dim (hold for 1.5 seconds)		
		077-080	NF		
		081-085	NF		
		086-090	NF		
		091-093	NF		
		094-098	NF		
		099-103	NF		
		104-108	NF		
		109-113	NF		
		114-118	NF		
		119-123	NF		
		124-126	NF		
		127-131	Fan Auto (hold for 3 seconds)	Auto, silent fan, off, max power	
		132-136	Fan mute (hold for 3 seconds)		
		137-141	Fan off (hold for 3 seconds)		
		142-146	Fan maximum power (hold for 3 seconds)		
		147-149	NF		
		150-153	Reverse RGB panel 1 off (hold for 1.5 seconds)	Turn on/off	
		154-157	Reverse RGB panel 1 on (hold for 1.5 seconds)		
		158-161	Reverse RGB panel 2 off (hold for 1.5 seconds)	Turn on/off	
		162-165	Reverse RGB panel 2 open (hold for 1.5 seconds)		
		166-169	Reverse middle white (hold 1.5 seconds)	Turn on/off	
		170-173	Reverse middle white (hold 1.5 seconds)		
		174-177	Reverse single tube 1 off (hold for 1.5 seconds)	Turn on/off	
		178-181	Reverse single tube 1 on (hold for 1.5s)		
		182-185	Reverse single tube 2 off (hold for 1.5 seconds)	Turn on/off	
		186-189	Reverse single tube 2 on (hold for 1.5 seconds)		
		190-193	Reverse single tube 3 off (hold for 1.5 seconds)	Turn on/off	
		194-197	Reverse single tube 3 on (hold for 1.5 seconds)		
		198-201	Reverse single tube 4 off (hold for 1.5 seconds)	Turn on/off	
		202-205	Reverse single tube 4 open (hold for 1.5 seconds)		

		206-209	Disable RGB panel (hold for 1.5 seconds)	Turn on/off	
		210-213	Switch to RGB panel (hold for 1.5 seconds)		
		214-217	Close the exchange single tube (hold for 1.5 seconds)	Turn on/off	
		218-221	Open the exchange single tube (hold for 1.5 seconds)		
		222-224	NF		
		225-255	NF		

Channel 209 mode (Mode 6):

209CH	Channel Name	Channel value	Channel function	Win dows defa ult	remarks
1	Total dimming	000-255		0	
2	Global dimming fine adjustment	000-255		0	
3	White flicker in the middle	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
4	Central tube duration	000-255		0	Only affects Flash Mode 1 (025-064)
5	Central tube pixel 1-dimming	000-255		0	

6	Central tube pixel 1-dimming fine adjustment	000-255		0	
7	Central tube pixel 2-dimming	000-255		0	
8	Central tube pixel 2-dimming fine adjustment	000-255		0	
9	Central tube pixel 3-dimming	000-255		0	
10	Central tube pixel 3-dimming fine adjustment	000-255		0	
11	Central tube pixel 4-dimming	000-255		0	
12	Central tube pixel 4-dimming fine adjustment	000-255		0	
13	Central tube pixel 5-dimming	000-255		0	
14	Central tube pixel 5-dimming fine adjustment	000-255		0	
15	Central tube pixel 6-dimming	000-255		0	
16	Central tube pixel 6-dimming fine adjustment	000-255		0	
17	Central tube pixel 7-dimming	000-255		0	
18	Central tube pixel 7-dimming fine adjustment	000-255		0	
19	Central tube pixel 8-dimming	000-255		0	
20	Central tube pixel 8-dimming fine adjustment	000-255		0	
21	Central tube pixel 9-dimming	000-255		0	
22	Central tube pixel 9-dimming fine adjustment	000-255		0	
23	Central tube pixel 10-dimming	000-255		0	
24	Central tube pixel 10-dimming fine adjustment	000-255		0	
25	Central tube pixel 11-dimming	000-255		0	
26	Central tube pixel 11-dimming fine adjustment	000-255		0	
27	Central tube pixel 12-dimming	000-255		0	
28	Central tube pixel 12-dimming fine adjustment	000-255		0	
29	Single Tube 1-Flash	000- 019	Turn off light		
		020- 024	opening the light		
		025- 064	Flash Mode 1 (Fast to Slow)		
		065- 069	opening the light		
		070- 084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085- 089	opening the light		
		090- 104	Flash Mode 3: Fast on, slow off (from fast to slow)		

		105- 109	opening the light		
		110- 124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125- 129	opening the light		
		130- 144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145- 149	opening the light		
		150- 164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165- 169	opening the light		
		170- 184	Shutter mode 7: Flash (fast to slow)		
		185- 189	opening the light		
		190- 204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205- 209	opening the light		
		210- 224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225- 229	opening the light		
		230- 244	Shutter mode 10: Flash (fast to slow)		
		245- 255	opening the light		
30	Single tube 1-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
31	Single tube 1 pixel 1-dimming	000-255		0	
32	Single tube 1 pixel 1-dimming fine adjustment	000-255		0	
33	Single tube 1 pixel 2-dimming	000-255		0	
34	Single tube 1 pixel 2-dimming fine adjustment	000-255		0	
35	Single tube 1 pixel 3-dimming	000-255		0	
36	Single tube 1 pixel 3-dimming fine adjustment	000-255		0	
37	Single tube 1 pixel 4-dimming	000-255		0	
38	Single-pixel 4-way dimming adjustment	000-255		0	
39	Single tube 1 pixel 5-dimming	000-255		0	
40	Single tube 1 pixel 5-dimming fine adjustment	000-255		0	
41	Single tube 1 pixel 6-dimming	000-255		0	
42	Single tube 1 pixel 6-dimming fine adjustment	000-255		0	
43	Single tube 1 pixel 7-dimming	000-255		0	
44	Single-pixel 7-way dimming adjustment	000-255		0	

45	Single tube 1 pixel 8-dimming	000-255		0	
46	Single tube 1 pixel 8-dimming fine adjustment	000-255		0	
47	Single tube 1 pixel 9-dimming	000-255		0	
48	Single tube 1 pixel 9-dimming fine adjustment	000-255		0	
49	Single tube 1 pixel 10-dimming	000-255		0	
50	Single tube 1 pixel 10-dimming fine adjustment	000-255		0	
51	Single tube 1 pixel 11-dimming	000-255		0	
52	Single tube 1 pixel 11-dimming fine adjustment	000-255		0	
53	Single tube 1 pixel 12-dimming	000-255		0	
54	Single tube 1 pixel 12-dimming fine adjustment	000-255		0	
55	Single Tube 2-Flicker	000- 019	Turn off light	22	
		020- 024	opening the light		
		025- 064	Flash Mode 1 (Fast to Slow)		
		065- 069	opening the light		
		070- 084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085- 089	opening the light		
		090- 104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105- 109	opening the light		
		110- 124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125- 129	opening the light		
		130- 144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145- 149	opening the light		
		150- 164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165- 169	opening the light		
		170- 184	Shutter mode 7: Flash (fast to slow)		
		185- 189	opening the light		
		190- 204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205- 209	opening the light		
		210- 224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225- 229	opening the light		
		230- 244	Shutter mode 10: Flash (fast to slow)		
		245- 255	opening the light		
56	Single tube 2-Duration	000-255		0	Only affects Flash Mode 1

					(025-064)
57	Single tube 2 pixels 1-dimming	000-255		0	
58	Single tube 2 pixels 1-dimming fine adjustment	000-255		0	
59	Single tube 2 pixels 2-dimming	000-255		0	
60	Single tube 2-pixel 2-tone dimming fine adjustment	000-255		0	
61	Single tube 2 pixels 3-dimming	000-255		0	
62	Single tube 2-pixel 3-dimming fine adjustment	000-255		0	
63	Single tube 2-pixel 4-dimming	000-255		0	
64	Single tube 2-pixel 4-tone dimming fine adjustment	000-255		0	
65	Single tube 2 pixels 5-dimming	000-255		0	
66	Single tube 2-pixel 5-dimming fine adjustment	000-255		0	
67	Single tube 2 pixels 6-dim	000-255		0	
68	Single tube 2-pixel 6-dimming fine adjustment	000-255		0	
69	Single tube 2-pixel 7-dimming	000-255		0	
70	Single tube 2-pixel 7-tone dimming fine adjustment	000-255		0	
71	Single tube 2-pixel 8-dimming	000-255		0	
72	Single tube 2-pixel 8-tone dimming fine adjustment	000-255		0	
73	Single tube 2 pixels 9-dimming	000-255		0	
74	Single tube 2-pixel 9-DIMM fine adjustment	000-255		0	
75	Single tube 2 pixels 10-dimming	000-255		0	
76	Single tube 2-pixel 10-dimming fine adjustment	000-255		0	
77	Single tube 2 pixels 11-dimming	000-255		0	
78	Single tube 2 pixels 11-dimming fine adjustment	000-255		0	
79	Single tube 2 pixels 12-dimming	000-255		0	
80	Single tube 2-pixel 12-tone dimming fine adjustment	000-255		0	
81	Single Tube 3-Flicker	000- 019	Turn off light	22	
		020- 024	opening the light		
		025- 064	Flash Mode 1 (Fast to Slow)		
		065- 069	opening the light		
		070- 084	Flash Mode 2: Slow on, fast off (from fast to slow)		

		085- 089	opening the light		
		090- 104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105- 109	opening the light		
		110- 124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125- 129	opening the light		
		130- 144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145- 149	opening the light		
		150- 164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165- 169	opening the light		
		170- 184	Shutter mode 7: Flash (fast to slow)		
		185- 189	opening the light		
		190- 204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205- 209	opening the light		
		210- 224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225- 229	opening the light		
		230- 244	Shutter mode 10: Flash (fast to slow)		
		245- 255	opening the light		
82	Single tube 3-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
83	Single tube 3-pixel 1-dimming	000-255		0	
84	Single tube 3-pixel 1-dimming fine adjustment	000-255		0	
85	Single tube 3-pixel 2-dimming	000-255		0	
86	Single tube 3-pixel 2-tone dimming fine adjustment	000-255		0	
87	Single tube 3-pixel 3-dimming	000-255		0	
88	Single tube 3-pixel 3-way dimming fine adjustment	000-255		0	
89	Single tube 3-pixel 4-dimming	000-255		0	
90	Single tube 3-pixel 4-tone dimming fine adjustment	000-255		0	
91	Single tube 3-pixel 5-dimming	000-255		0	
92	Single tube 3-pixel 5-dimming fine adjustment	000-255		0	
93	Single tube 3-pixel 6-dimming	000-255		0	
94	Single tube 3-pixel 6-dimming fine adjustment	000-255		0	
95	Single tube 3-pixel 7-	000-255		0	

	dimming				
96	Single tube 3-pixel 7-tone dimming fine adjustment	000-255		0	
97	Single tube 3-pixel 8-way dimming	000-255		0	
98	Single tube 3-pixel 8-way dimming fine adjustment	000-255		0	
99	Single tube 3-pixel 9-dimming	000-255		0	
100	Single tube 3-pixel 9-dimming fine adjustment	000-255		0	
101	Single tube 3-pixel 10-dimming	000-255		0	
102	Single tube 3-pixel 10-dimming fine adjustment	000-255		0	
103	Single tube 3-pixel 11-dimming	000-255		0	
104	Single tube 3-pixel 11-dimming fine adjustment	000-255		0	
105	Single tube 3-pixel 12-tone dimming	000-255		0	
106	Single tube 3-pixel 12-tone dimming fine adjustment	000-255		0	
107	Single Tube 4-Flicker	000- 019	Turn off light	22	
		020- 024	opening the light		
		025- 064	Flash Mode 1 (Fast to Slow)		
		065- 069	opening the light		
		070- 084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085- 089	opening the light		
		090- 104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105- 109	opening the light		
		110- 124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125- 129	opening the light		
		130- 144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145- 149	opening the light		
		150- 164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165- 169	opening the light		
		170- 184	Shutter mode 7: Flash (fast to slow)		
		185- 189	opening the light		
		190- 204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205- 209	opening the light		
		210- 224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225- 229	opening the light		
		230- 244	Shutter mode 10: Flash (fast to slow)		
		245- 255	opening the light		

108	Single tube 4-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
109	Single tube 4-pixel 1-dimming	000-255		0	
110	Single tube 4-pixel 1-dimming fine adjustment	000-255		0	
111	Single tube 4-pixel 2-tone dimming	000-255		0	
112	Single tube 4-pixel 2-tone dimming fine adjustment	000-255		0	
113	Single tube 4-pixel 3-way dimming	000-255		0	
114	Single tube 4-pixel 3-way dimming fine adjustment	000-255		0	
115	Single tube 4-pixel 4-dimming	000-255		0	
116	Single tube 4-pixel 4-tone dimming fine adjustment	000-255		0	
117	Single tube 4-pixel 5-dimming	000-255		0	
118	Single tube 4-pixel 5-tone dimming fine adjustment	000-255		0	
119	Single tube 4-pixel 6-way dimming	000-255		0	
120	Single tube 4-pixel 6-tone dimming fine adjustment	000-255		0	
121	Single tube 4-pixel 7-dimming	000-255		0	
122	Single tube 4-pixel 7-tone dimming fine adjustment	000-255		0	
123	Single tube 4-pixel 8-way dimming	000-255		0	
124	Single tube 4-pixel 8-way dimming fine adjustment	000-255		0	
125	Single tube 4-pixel 9-dimming	000-255		0	
126	Single tube 4-pixel 9-DIMM fine adjustment	000-255		0	
127	Single tube 4-pixel 10-dimming	000-255		0	
128	Single tube 4-pixel 10-dimming fine adjustment	000-255		0	
129	Single tube 4 pixels 11-dimming	000-255		0	
130	Single tube 4-pixel 11-dimming fine adjustment	000-255		0	
131	Single tube 4-pixel 12-tone dimming	000-255		0	
132	Single tube 4 pixels 12-dimming fine adjustment	000-255		0	
133	RGB Panel 1-Blink	000- 019	Turn off light	22	
		020- 024	opening the light		

		025- 064	Flash Mode 1 (Fast to Slow)		
		065- 069	opening the light		
		070- 084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085- 089	opening the light		
		090- 104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105- 109	opening the light		
		110- 124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125- 129	opening the light		
		130- 144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145- 149	opening the light		
		150- 164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165- 169	opening the light		
		170- 184	Shutter mode 7: Flash (fast to slow)		
		185- 189	opening the light		
		190- 204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205- 209	opening the light		
		210- 224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225- 229	opening the light		
		230- 244	Shutter mode 10: Flash (fast to slow)		
		245- 255	opening the light		
134	RGB Panel 1-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
135	RGB Panel 1-Red 1	000-255		0	
136	RGB Panel 1-Red 1 Fine Tune	000-255		255	
137	RGB Panel 1-Green 1	000-255		255	
138	RGB Panel 1-Green 1 Fine Tune	000-255		255	
139	RGB Panel 1-Blue 1	000-255		255	
140	RGB Panel 1-Blue 1 Fine Tune	000-255		255	
141	RGB Panel 1-Red 2	000-255		255	
142	RGB Panel 1-Red 2 Fine Tune	000-255		255	
143	RGB Panel 1-Green 2	000-255		255	
144	RGB panel 1-Green 2 fine adjustment	000-255		255	
145	RGB Panel 1-Blue 2	000-255		255	
146	RGB Panel 1-Blue 2 Fine Tune	000-255		255	
147	RGB Panel 1-Red 3	000-255		255	
148	RGB Panel 1-Red 3 Fine	000-255		255	

	Tune				
149	RGB Panel 1-Green 3	000-255		255	
150	RGB Panel 1-Green 3 Fine Tune	000-255		255	
151	RGB Panel 1-Blue 3	000-255		255	
152	RGB Panel 1-Blue 3 Fine Tune	000-255		255	
153	RGB Panel 1-Red 4	000-255		255	
154	RGB Panel 1-Red 4 Fine Tune	000-255		255	
155	RGB Panel 1-Green 4	000-255		255	
156	RGB Panel 1-Green 4 Fine Tune	000-255		255	
157	RGB Panel 1-Blue 4	000-255		255	
158	RGB Panel 1-Blue 4 Fine Tune	000-255		255	
159	RGB Panel 1-Red 5	000-255		255	
160	RGB Panel 1-Red 5 Fine Tune	000-255		255	
161	RGB Panel 1-Green 5	000-255		255	
162	RGB Panel 1-Green 5 Fine Tune	000-255		255	
163	RGB Panel 1-Blue 5	000-255		255	
164	RGB Panel 1-Blue 5 Fine Tune	000-255		255	
165	RGB Panel 1-Red 6	000-255		255	
166	RGB Panel 1-Red 6 Fine Tune	000-255		255	
167	RGB Panel 1-Green 6	000-255		255	
168	RGB Panel 1-Green 6 Fine Tune	000-255		255	
169	RGB Panel 1-Blue 6	000-255		255	
170	RGB Panel 1-Blue 6 Fine Tune	000-255		255	
171	RGB Panel 2-Blink	000- 019	Turn off light	22	
		020- 024	opening the light		
		025- 064	Flash Mode 1 (Fast to Slow)		
		065- 069	opening the light		
		070- 084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085- 089	opening the light		
		090- 104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105- 109	opening the light		
		110- 124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125- 129	opening the light		
		130- 144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145- 149	opening the light		
		150- 164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165- 169	opening the light		

		170- 184	Shutter mode 7: Flash (fast to slow)		
		185- 189	opening the light		
		190- 204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205- 209	opening the light		
		210- 224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225- 229	opening the light		
		230- 244	Shutter mode 10: Flash (fast to slow)		
		245- 255	opening the light		
172	RGB Panel 2-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
173	RGB Panel 2-Red 1	000-255		0	
174	RGB Panel 2-Red 1 Fine Tune	000-255		255	
175	RGB Panel 2-Green 1	000-255		255	
176	RGB Panel 2-Green 1 Fine Tune	000-255		255	
177	RGB Panel 2-Blue 1	000-255		255	
178	RGB Panel 2-Blue 1 Fine Tune	000-255		255	
179	RGB Panel 2-Red 2	000-255		255	
180	RGB Panel 2-Red 2 Fine Tune	000-255		255	
181	RGB Panel 2-Green 2	000-255		255	
182	RGB Panel 2-Green 2 Fine Tune	000-255		255	
183	RGB Panel 2-Blue 2	000-255		255	
184	RGB Panel 2-Blue 2 Fine Tune	000-255		255	
185	RGB Panel 2-Red 3	000-255		255	
186	RGB Panel 2-Red 3 Fine Tune	000-255		255	
187	RGB Panel 2-Green 3	000-255		255	
188	RGB Panel 2-Green 3 Fine Tune	000-255		255	
189	RGB Panel 2-Blue 3	000-255		255	
190	RGB Panel 2-Blue 3 Fine Tune	000-255		255	
191	RGB Panel 2-Red 4	000-255		255	
192	RGB Panel 2-Red 4 Fine Tune	000-255		255	
193	RGB Panel 2-Green 4	000-255		255	
194	RGB Panel 2-Green 4 Fine Tune	000-255		255	
195	RGB Panel 2-Blue 4	000-255		255	
196	RGB Panel 2-Blue 4 Fine Tune	000-255		255	
197	RGB Panel 2-Red 5	000-255		255	

198	RGB Panel 2-Red 5 Fine Tune	000-255		255	
199	RGB Panel 2-Green 5	000-255		255	
200	RGB Panel 2-Green 5 Fine Tune	000-255		255	
201	RGB Panel 2-Blue 5	000-255		255	
202	RGB Panel 2-Blue 5 Fine Tune	000-255		255	
203	RGB Panel 2-Red 6	000-255		255	
204	RGB Panel 2-Red 6 Fine Tune	000-255		255	
205	RGB Panel 2-Green 6	000-255		255	
206	RGB Panel 2-Green 6 Fine Tune	000-255		255	
207	RGB Panel 2-Blue 6	000-255		255	
208	RGB Panel 2-Blue 6 Fine Tune	000-255		255	
209	Device Settings	000-005	NF		
		006-010	Show backlight (hold for 3 seconds)	Turn on/of f	
		011-015	Show backlight off (hold for 3 seconds)		
		016-018	NF		
		019-023	DMX no signal black field (hold for 3 seconds)	Blackout/ Stay/ Flash light	
		024-028	DMX no-signal hold (hold for 3 seconds)		
		029-033	DMX no-signal emergency lighting (3 seconds)		
		034-036	NF		
		037-041	Linear dimming curve (hold for 1.5 seconds)		
		042-046	Exponential dimming curve (hold for 1.5 seconds)		
		047-051	Logarithmic dimming curve (hold for 1.5s)		
		052-056	S dimming curve (hold for 1.5 seconds)		
		057-061	NF		
		062-066	Quick dim (hold for 1.5 seconds)		
		067-071	Medium dimming (hold for 1.5 seconds)		
		072-076	Slow dim (hold for 1.5 seconds)		
		077-080	NF		
		081-085	NF		
		086-090	NF		
		091-093	NF		
		094-098	NF		
		099-103	NF		
		104-108	NF		
		109-113	NF		
		114-118	NF		
		119-123	NF		
		124-126	NF		
		127-131	Fan Auto (hold for 3 seconds)	Auto, silent fan,	
		132-136	Fan mute (hold for 3 seconds)		
		137-141	Fan off (hold for 3 seconds)		

		142-146	Fan maximum power (hold for 3 seconds)	off, max power	
		147-149	NF		
		150-153	Reverse RGB panel 1 off (hold for 1.5 seconds)	Turn on/off	
		154-157	Reverse RGB panel 1 on (hold for 1.5 seconds)		
		158-161	Reverse RGB panel 2 off (hold for 1.5 seconds)	Turn on/off	
		162-165	Reverse RGB panel 2 opened (hold for 1.5 seconds)		
		166-169	Reverse middle white (hold 1.5 seconds)	Turn on/off	
		170-173	Reverse middle white (hold 1.5 seconds)		
		174-177	Reverse single tube 1 off (hold for 1.5 seconds)	Turn on/off	
		178-181	Reverse single tube 1 on (hold for 1.5s)		
		182-185	Reverse single tube 2 off (hold for 1.5 seconds)	Turn on/off	
		186-189	Reverse single tube 2 on (hold for 1.5 seconds)		
		190-193	Reverse single tube 3 off (hold for 1.5 seconds)	Turn on/off	
		194-197	Reverse single tube 3 on (hold for 1.5 seconds)		
		198-201	Reverse single tube 4 off (hold for 1.5 seconds)	Turn on/off	
		202-205	Reverse single tube 4 open (hold for 1.5 seconds)		
		206-209	Disable RGB panel (hold for 1.5 seconds)	Turn on/off	
		210-213	Switch to RGB panel (hold for 1.5 seconds)		
		214-217	Close the single exchange tube (hold for 1.5 seconds)	Turn on/off	
		218-221	Open the exchange single tube (hold for 1.5 seconds)		
		222-224	NF		
		225-255	NF		

Channel 275 mode (Mode 7):

275C H	Channel Name	Channel value	Channel function	Winds default	remarks
1	Total dimming	000-255		0	
2	Global dimming fine adjustment	000-255		0	
3	Central tube pixel 1-dimming	000-255		0	
4	Central tube pixel 1-dimming fine adjustment	000-255		0	
5	Central tube pixel 2-dimming	000-255		0	

6	Central tube pixel 2-dimming fine adjustment	000-255		0	
7	Central tube pixel 3-dimming	000-255		0	
8	Central tube pixel 3-dimming fine adjustment	000-255		0	
9	Central tube pixel 4-dimming	000-255		0	
10	Central tube pixel 4-dimming fine adjustment	000-255		0	
11	Central tube pixel 5-dimming	000-255		0	
12	Central tube pixel 5-dimming fine adjustment	000-255		0	
13	Central tube pixel 6-dimming	000-255		0	
14	Central tube pixel 6-dimming fine adjustment	000-255		0	
15	Central tube pixel 7-dimming	000-255		0	
16	Central tube pixel 7-dimming fine adjustment	000-255		0	
17	Central tube pixel 8-dimming	000-255		0	
18	Central tube pixel 8-dimming fine adjustment	000-255		0	
19	Central tube pixel 9-dimming	000-255		0	
20	Central tube pixel 9-dimming fine adjustment	000-255		0	
21	Central tube pixel 10-dimming	000-255		0	
22	Central tube pixel 10-dimming fine adjustment	000-255		0	
23	Central tube pixel 11-dimming	000-255		0	
24	Central tube pixel 11-dimming fine adjustment	000-255		0	
25	Central tube pixel 12-dimming	000-255		0	
26	Central tube pixel 12-dimming fine adjustment	000-255		0	
27	Central tube strobe	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		

		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
28	White space duration	000-255		0	Only affects Flash Mode 1 (025-064)
29	Center effect dimming	000-255		0	
30	Center effect selection	000-255		3	Based on the pipe diagram
31	Select X-bleach for the central tube	000-255	obligate	0	
32	Center effect speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
33	Center effect faded	000-005	NF	3	
		006-255	Fade duration from short to long		
34	Central tube space	000-255	obligate		
35	Single tube 1 pixel 1-dimming	000-255		0	
36	Single tube 1 pixel 1-dimming fine adjustment	000-255		0	
37	Single tube 1 pixel 2-dimming	000-255		0	
38	Single tube 1 pixel 2-dimming fine adjustment	000-255		0	
39	Single tube 1 pixel 3-dimming	000-255		0	
40	Single tube 1 pixel 3-dimming fine adjustment	000-255		0	
41	Single tube 1 pixel 4-dimming	000-255		0	
42	Single-pixel 4-way dimming adjustment	000-255		0	
43	Single tube 1 pixel 5-dimming	000-255		0	
44	Single tube 1 pixel 5-dimming fine adjustment	000-255		0	
45	Single tube 1 pixel 6-dimming	000-255		0	

46	Single tube 1 pixel 6-dimming fine adjustment	000-255		0	
47	Single tube 1 pixel 7-dimming	000-255		0	
48	Single tube 1 pixel 7-dimming fine adjustment	000-255		0	
49	Single tube 1 pixel 8-dimming	000-255		0	
50	Single tube 1 pixel 8-dimming fine adjustment	000-255		0	
51	Single tube 1 pixel 9-dimming	000-255		0	
52	Single tube 1 pixel 9-dimming fine adjustment	000-255		0	
53	Single tube 1 pixel 10-dimming	000-255		0	
54	Single tube 1 pixel 10-dimming fine adjustment	000-255		0	
55	Single tube 1 pixel 11-dimming	000-255		0	
56	Single tube 1 pixel 11-dimming fine adjustment	000-255		0	
57	Single tube 1 pixel 12-dimming	000-255		0	
58	Single tube 1 pixel 12-dimming fine adjustment	000-255		0	
59	Single Tube 1-Flash	000-019	Turn off light		
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light	22	
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (Fast to Slow)	22	
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
60	Single tube 1-Duration	000-255		0	Only affects Flash

					Mode 1 (025-064)
61	Single tube 1-Effect dimming	000-255		0	
62	Single Tube 1-Effect Selection	000-255		3	Based on the pipe diagram
63	Select X-bleach for single tube 1	000-255	obligate	0	
64	Single tube 1 effect speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
65	Single tube 1 effect faded	000-005	NF	3	
		006-255	Fade duration from short to long		
66	Single Tube 1 Mode Space	000-255	obligate	0	
67	Single tube 2 pixels 1-dimming	000-255		0	
68	Single tube 2 pixels 1-dimming fine adjustment	000-255		0	
69	Single tube 2 pixels 2-dimming	000-255		0	
70	Single tube 2-pixel 2-tone dimming fine adjustment	000-255		0	
71	Single tube 2 pixels 3-dimming	000-255		0	
72	Single tube 2-pixel 3-dimming fine adjustment	000-255		0	
73	Single tube 2-pixel 4-dimming	000-255		0	
74	Single tube 2-pixel 4-tone dimming fine adjustment	000-255		0	
75	Single tube 2 pixels 5-dimming	000-255		0	
76	Single tube 2-pixel 5-dimming fine adjustment	000-255		0	
77	Single tube 2 pixels 6-dim	000-255		0	
78	Single tube 2-pixel 6-dimming fine adjustment	000-255		0	
79	Single tube 2-pixel 7-dimming	000-255		0	
80	Single tube 2-pixel 7-tone dimming fine adjustment	000-255		0	
81	Single tube 2-pixel 8-dimming	000-255		0	
82	Single tube 2-pixel 8-tone dimming fine adjustment	000-255		0	
83	Single tube 2 pixels 9-dimming	000-255		0	
84	Single tube 2-pixel 9-DIMM fine adjustment	000-255		0	
85	Single tube 2 pixels 10-dimming	000-255		0	
86	Single tube 2-pixel 10-	000-255		0	

	dimming fine adjustment				
87	Single tube 2 pixels 11-dimming	000-255		0	
88	Single tube 2 pixels 11-dimming fine adjustment	000-255		0	
89	Single tube 2 pixels 12-dimming	000-255		0	
90	Single tube 2-pixel 12-tone dimming fine adjustment	000-255		0	
91	Single Tube 2-Flicker	000-019	Turn off light		
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)	22	
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
92	Single tube 2-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
93	Single tube 2-Effect dimming	000-255		0	
94	Single Tube 2-Effect Selection	000-255		3	Based on the pipe diagram
95	Single tube 2 select X-bleach	000-255	obligate	0	
96	Single Tube 2 Effect Speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
97	Single tube 2 effect fade	000-005	NF	3	

		006-255	Fade duration from short to long		
98	Single Tube 2 Mode Space	000-255	obligate	0	
99	Single tube 3-pixel 1-dimming	000-255		0	
100	Single tube 3-pixel 1-dimming fine adjustment	000-255		0	
101	Single tube 3-pixel 2-dimming	000-255		0	
102	Single tube 3-pixel 2-tone dimming fine adjustment	000-255		0	
103	Single tube 3-pixel 3-dimming	000-255		0	
104	Single tube 3-pixel 3-way dimming fine adjustment	000-255		0	
105	Single tube 3-pixel 4-dimming	000-255		0	
106	Single tube 3-pixel 4-tone dimming fine adjustment	000-255		0	
107	Single tube 3-pixel 5-dimming	000-255		0	
108	Single tube 3-pixel 5-dimming fine adjustment	000-255		0	
109	Single tube 3-pixel 6-dimming	000-255		0	
110	Single tube 3-pixel 6-dimming fine adjustment	000-255		0	
111	Single tube 3-pixel 7-dimming	000-255		0	
112	Single tube 3-pixel 7-tone dimming fine adjustment	000-255		0	
113	Single tube 3-pixel 8-way dimming	000-255		0	
114	Single tube 3-pixel 8-way dimming fine adjustment	000-255		0	
115	Single tube 3-pixel 9-dimming	000-255		0	
116	Single tube 3-pixel 9-dimming fine adjustment	000-255		0	
117	Single tube 3-pixel 10-dimming	000-255		0	
118	Single tube 3-pixel 10-dimming fine adjustment	000-255		0	
119	Single tube 3-pixel 11-dimming	000-255		0	
120	Single tube 3-pixel 11-dimming fine adjustment	000-255		0	
121	Single tube 3 pixels 12-dimming	000-255		0	
122	Single tube 3-pixel 12-tone dimming fine adjustment	000-255		0	
123	Single tube 3 flashes	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		

		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (from fast to slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
124	Single tube 3-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
125	Single tube 3-Effect dimming	000-255		0	
126	Single Tube 3-Effect Selection	000-255		3	Based on the pipe diagram
127	Single tube 3 select X-bleach	000-255	obligate	0	
128	Single Tube 3 Effect Speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
129	Single tube 3 effect fade	000-005	NF	3	
		006-255	Fade duration from short to long		
130	Single Tube 3 Mode Space	000-255	obligate	0	
131	Single tube 4-pixel 1-dimming	000-255		0	
132	Single tube 4-pixel 1-dimming fine adjustment	000-255		0	
133	Single tube 4-pixel 2-tone dimming	000-255		0	
134	Single tube 4-pixel 2-tone dimming fine adjustment	000-255		0	
135	Single tube 4-pixel 3-way dimming	000-255		0	
136	Single tube 4-pixel 3-way	000-255		0	

	dimming fine adjustment				
137	Single tube 4-pixel 4-dimming	000-255		0	
138	Single tube 4-pixel 4-tone dimming fine adjustment	000-255		0	
139	Single tube 4-pixel 5-dimming	000-255		0	
140	Single tube 4-pixel 5-tone dimming fine adjustment	000-255		0	
141	Single tube 4-pixel 6-way dimming	000-255		0	
142	Single tube 4-pixel 6-tone dimming fine adjustment	000-255		0	
143	Single tube 4-pixel 7-dimming	000-255		0	
144	Single tube 4-pixel 7-tone dimming fine adjustment	000-255		0	
145	Single tube 4-pixel 8-way dimming	000-255		0	
146	Single tube 4-pixel 8-tone dimming fine adjustment	000-255		0	
147	Single tube 4-pixel 9-dimming	000-255		0	
148	Single tube 4-pixel 9-DIMM fine adjustment	000-255		0	
149	Single tube 4-pixel 10-dimming	000-255		0	
150	Single tube 4-pixel 10-dimming fine adjustment	000-255		0	
151	Single tube 4 pixels 11-dimming	000-255		0	
152	Single tube 4-pixel 11-tone dimming fine adjustment	000-255		0	
153	Single tube 4-pixel 12-tone dimming	000-255		0	
154	Single tube 4-pixel 12-tone dimming fine adjustment	000-255		0	
155	Single tube four flashes	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		
		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off		

			(from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
156	Single tube 4-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
157	Single tube 4-Effect dimming	000-255		0	
158	Single Tube 4-Effect Selection	000-255		3	Based on the pipe diagram
159	Single tube 4 select X-bleach	000-255	obligate	0	
160	Single tube 4 effect speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
161	Single tube 4 effect fade	000-005	NF	3	
		006-255	Fade duration from short to long		
162	Single Tube 4 Mode Space	000-255	obligate	0	
163	Single tube group (1-4) dimming	000-255		0	
164	Single tube group (1-4) effect selection	000-255		3	Based on the pipe diagram
165	Change X fade for single tube group (1-4)	000-255	obligate	0	
166	Single tube group (1-4) effect speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
167	Single tube group (1-4) effect faded	000-005	NF	3	
		006-255	Fade duration from short to long		
168	Single Tube Group (1-4) Mode Space	000-255	obligate	0	
169	RGB Panel 1-Blink	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		

		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
170	RGB Panel 1-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
171	RGB Panel 1-Effect Dim	000-255		0	
172	RGB Panel 1-Effect Selection	000-255		3	Based on the RGB panel mode diagram
173	RGB Panel 1-Pattern Selection X-Bleach	000-255	obligate	0	
174	RGB Panel 1-Effect Speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
175	RGB Panel 1-Fade Effect	000-005	NF	3	
		006-255	Fade duration from short to long		
176	RGB Panel 1-Pattern Space	000-255	obligate	3	
177	RGB Panel 1-Red Effect	000-255		255	
178	RGB Panel 1-Green Effect	000-255		255	
179	RGB Panel 1-Blue Effect	000-255		255	
180	RGB Panel 1-CTC	000-004	7000K	2	Based on CTC images
		005-226	2000K-6500 K linear, 20-21 K steps		
		182-182	5600K		
		183-226	6500K		
		227-255	6621K-10.000 K-line with a step size of 120-121K (see CTC table for details)		
181	RGB Panel 1-Red 1	000-255		255	
182	RGB Panel 1-Red 1 Fine Tune	000-255		255	
183	RGB Panel 1-Green 1	000-255		255	
184	RGB Panel 1-Green 1 Fine Tune	000-255		255	
185	RGB Panel 1-Blue 1	000-255		255	

186	RGB Panel 1-Blue 1 Fine Tune	000-255		255	
187	RGB Panel 1-Red 2	000-255		255	
188	RGB Panel 1-Red 2 Fine Tune	000-255		255	
189	RGB Panel 1-Green 2	000-255		255	
190	RGB panel 1-Green 2 fine adjustment	000-255		255	
191	RGB Panel 1-Blue 2	000-255		255	
192	RGB Panel 1-Blue 2 Fine Tune	000-255		255	
193	RGB Panel 1-Red 3	000-255		255	
194	RGB Panel 1-Red 3 Fine Tune	000-255		255	
195	RGB Panel 1-Green 3	000-255		255	
196	RGB Panel 1-Green 3 Fine Tune	000-255		255	
197	RGB Panel 1-Blue 3	000-255		255	
198	RGB Panel 1-Blue 3 Fine Tune	000-255		255	
199	RGB Panel 1-Red 4	000-255		255	
200	RGB Panel 1-Red 4 Fine Tune	000-255		255	
201	RGB Panel 1-Green 4	000-255		255	
202	RGB Panel 1-Green 4 Fine Tune	000-255		255	
203	RGB Panel 1-Blue 4	000-255		255	
204	RGB Panel 1-Blue 4 Fine Tune	000-255		255	
205	RGB Panel 1-Red 5	000-255		255	
206	RGB Panel 1-Red 5 Fine Tune	000-255		255	
207	RGB Panel 1-Green 5	000-255		255	
208	RGB Panel 1-Green 5 Fine Tune	000-255		255	
209	RGB Panel 1-Blue 5	000-255		255	
210	RGB Panel 1-Blue 5 Fine Tune	000-255		255	
211	RGB Panel 1-Red 6	000-255		255	
212	RGB Panel 1-Red 6 Fine Tune	000-255		255	
213	RGB Panel 1-Green 6	000-255		255	
214	RGB Panel 1-Green 6 Fine Tune	000-255		255	
215	RGB Panel 1-Blue 6	000-255		255	
216	RGB Panel 1-Blue 6 Fine Tune	000-255		255	
217	RGB Panel 2-Blink	000-019	Turn off light	22	
		020-024	opening the light		
		025-064	Flash Mode 1 (Fast to Slow)		
		065-069	opening the light		
		070-084	Flash Mode 2: Slow on, fast off (from fast to slow)		
		085-089	opening the light		
		090-104	Flash Mode 3: Fast on, slow off (from fast to slow)		

		105-109	opening the light		
		110-124	Strobe Mode 4: Random Strobe (Fast to Slow)		
		125-129	opening the light		
		130-144	Flash Mode 5: Random slow-on, fast-off (from fast to slow)		
		145-149	opening the light		
		150-164	Flash Mode 6: Random fast on, slow off (from fast to slow)		
		165-169	opening the light		
		170-184	Shutter mode 7: Flash (fast to slow)		
		185-189	opening the light		
		190-204	Strobe Mode 8: Random Flash (Fast to Slow)		
		205-209	opening the light		
		210-224	Flash Mode 9: Slow On/Off (Fast to Slow)		
		225-229	opening the light		
		230-244	Shutter mode 10: Flash (fast to slow)		
		245-255	opening the light		
218	RGB Panel 2-Duration	000-255		0	Only affects Flash Mode 1 (025-064)
219	RGB Panel 2-Effect Dim	000-255		0	
220	RGB Panel 2-Effect Selection	000-255		3	From the RGB panel mode diagram
221	RGB Panel 2-Pattern Selection X-Light	000-255	obligate	0	
222	RGB Panel 2-Effect Speed	000-005	cease	3	
		006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
223	RGB Panel 2-Fade Effect	000-005	NF	3	
		006-255	Fade duration from short to long		
224	RGB Panel 2-Mode Space	000-255	obligate	3	
225	RGB Panel 2-Red Effect	000-255		255	
226	RGB Panel 2-Green Effect	000-255		255	
227	RGB Panel 2-Blue Effect	000-255		255	
228	RGB Panel 2-CTC	000- 004	7000K	2	Based on CTC images
		005-226	2000K-6500 K linear, 20-21 K steps (see CTC table for details)		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000 K-line with a step size of 120-121K (see CTC table for details)		
229	RGB Panel 2-Red 1	000-255		255	
230	RGB Panel 2-Red 1 Fine Tune	000-255		255	
231	RGB Panel 2-Green 1	000-255		255	
232	RGB Panel 2-Green 1 Fine Tune	000-255		255	

233	RGB Panel 2-Blue 1	000-255		255	
234	RGB Panel 2-Blue 1 Fine Tune	000-255		255	
235	RGB Panel 2-Red 2	000-255		255	
236	RGB Panel 2-Red 2 Fine Tune	000-255		255	
237	RGB Panel 2-Green 2	000-255		255	
238	RGB Panel 2-Green 2 Fine Tune	000-255		255	
239	RGB Panel 2-Blue 2	000-255		255	
240	RGB Panel 2-Blue 2 Fine Tune	000-255		255	
241	RGB Panel 2-Red 3	000-255		255	
242	RGB Panel 2-Red 3 Fine Tune	000-255		255	
243	RGB Panel 2-Green 3	000-255		255	
244	RGB Panel 2-Green 3 Fine Tune	000-255		255	
245	RGB Panel 2-Blue 3	000-255		255	
246	RGB Panel 2-Blue 3 Fine Tune	000-255		255	
247	RGB Panel 2-Red 4	000-255		255	
248	RGB Panel 2-Red 4 Fine-Tune	000-255		255	
249	RGB Panel 2-Green 4	000-255		255	
250	RGB Panel 2-Green 4 Fine Tune	000-255		255	
251	RGB Panel 2-Blue 4	000-255		255	
252	RGB Panel 2-Blue 4 Fine Tune	000-255		255	
253	RGB Panel 2-Red 5	000-255		255	
254	RGB Panel 2-Red 5 Fine Tune	000-255		255	
255	RGB Panel 2-Green 5	000-255		255	
256	RGB Panel 2-Green 5 Fine Tune	000-255		255	
257	RGB Panel 2-Blue 5	000-255		255	
258	RGB Panel 2-Blue 5 Fine Tune	000-255		255	
259	RGB Panel 2-Red 6	000-255		255	
260	RGB Panel 2-Red 6 Fine Tune	000-255		255	
261	RGB Panel 2-Green 6	000-255		255	
262	RGB Panel 2-Green 6 Fine Tune	000-255		255	
263	RGB Panel 2-Blue 6	000-255		255	
264	RGB Panel 2-Blue 6 Fine Tune	000-255		255	
265	RGB panel (1+2) effect dimming	000-255		0	
266	RGB panel (1+2) effect selection	000-255		3	RGB panel mode diagram
267	RGB panel (1+2) select X-in	000-255	obligate		
268	RGB panel (1+2) effect	000-005	cease	3	

	speed	006-124	From left to right / fast to slow		
		125-130	cease		
		131-249	From right to left / slow to fast		
		250-255	cease		
269	RGB panel (1+2) effect fade	000-005	NF	3	
		006-255	Fade duration from short to long		
270	RGB panel (1+2) mode space	000-255	obligate	0	
271	RGB panel (1+2) effect red	000-255		255	
272	RGB panel (1+2) effect green	000-255		255	
273	RGB panel (1+2) effect blue	000-255		255	
274	RGB Panel (1+2) CTC	000-004	7000K	2	Based on CTC images
		005-226	The K-line shows a linear distribution from 2000K to 6500K, with a step size of 20-21K (see CTC chart for details).		
		182-182	5600K		
		226-226	6500K		
		227-255	6621K-10.000 K-line at the 120-121K level (see detailed CTC chart)		
275	Device Settings	000-005	NF	Turn on/off	
		006-010	Show backlight (hold for 3 seconds)		
		011-015	Show backlight off (hold for 3 seconds)		
		016-018	NF	Black out/St ay/Flashlight	
		019-023	DMX no signal black field (hold for 3 seconds)		
		024-028	DMX no signal hold (hold for 3 seconds)		
		029-033	DMX no-signal emergency lighting (3 seconds)		
		034-036	NF		
		037-041	Linear dimming curve (hold for 1.5 seconds)		
		042-046	Exponential dimming curve (hold for 1.5 seconds)		
		047-051	Logarithmic dimming curve (hold for 1.5s)		
		052-056	S dimming curve (hold for 1.5 seconds)		
		057-061	NF		
		062-066	Quick dim (hold for 1.5 seconds)		
		067-071	Medium dimming (hold for 1.5 seconds)		
		072-076	Slow dim (hold for 1.5 seconds)		
		077-080	NF		
		081-085	NF		
		086-090	NF		
		091-093	NF		
		094-098	NF		
		099-103	NF		
		104-108	NF		
		109-113	NF		
		114-118	NF		
		119-123	NF		
		124-126	NF		
		127-131	Fan Auto (hold for 3 seconds)	Auto, silent fan, off,	
		132-136	Fan mute (hold for 3 seconds)		
		137-141	Fan off (hold for 3 seconds)		
		142-146	Fan maximum power (hold for 3 seconds)		

				max power	
		147-149	NF		
		150-153	Reverse RGB panel 1 off (hold for 1.5 seconds)	Turn on/off	
		154-157	Reverse RGB panel 1 on (hold for 1.5 seconds)		
		158-161	Reverse RGB panel 2 off (hold for 1.5 seconds)	Turn on/off	
		162-165	Reverse RGB panel 2 opened (hold for 1.5 seconds)		
		166-169	Reverse middle white (hold 1.5 seconds)	Turn on/off	
		170-173	Reverse middle white (hold 1.5 seconds)		
		174-177	Reverse single tube 1 off (hold for 1.5 seconds)	Turn on/off	
		178-181	Reverse single tube 1 on (hold for 1.5s)		
		182-185	Reverse single tube 2 off (hold for 1.5 seconds)	Turn on/off	
		186-189	Reverse single tube 2 on (hold for 1.5 seconds)		
		190-193	Reverse single tube 3 off (hold for 1.5 seconds)	Turn on/off	
		194-197	Reverse single tube 3 on (hold for 1.5 seconds)		
		198-201	Reverse single tube 4 off (hold for 1.5 seconds)	Turn on/off	
		202-205	Reverse single tube 4 open (hold for 1.5 seconds)		
		206-209	Disable RGB panel (hold for 1.5 seconds)	Turn on/off	
		210-213	Switch to RGB panel (hold for 1.5 seconds)		
		214-217	Close the exchange single tube (hold for 1.5 seconds)	Turn on/off	
		218-221	Open the exchange single tube (hold for 1.5 seconds)		
		222-224	NF		
		225-255	NF		

Table 5

2. Technical parameters:

Input power supply: AC100-240V~, 50/60Hz;

Total power: 700W;

Light source:

Main light: 1080 1W 3535 white light beads; Auxiliary lighting: 600 0.5W 5050RGB lamp beads;

Dimming/stroboscopic effect: 0%-100% smooth dimming, powerful and high-output stroboscopic effect.

Channel mode:

15CH / 39CH / 71CH / 112CH / 178CH / 209CH / 275CH channels;

Display screen and main control: 1.3OLED display screen, capable of querying lamp information;

Control protocols: DMX512, RDM, Art-Net, SACN;

Software upgrade: Upgrade the software via DMX connection;

Structure:

Signal input/output

Five-core waterproof Lennon socket (three-core optional)

RJ45 interface

Power socket waterproof power connector input/output;

Main features: Outstanding color mixing effect;

Waterproof rating: IP65

Chapter 4 Common faults and usage precautions

1. Common fault handling

The lamp contains microcomputer circuit board, high voltage power supply and other professional components. For your safety and product life, non-professionals should not dismantle the lamp and related accessories without authorization.

1. The bulb does not light (except for LED light source)

Possible causes: The bulb is not completely cooled, or the bulb has reached its life, and the treatment is as follows:

- Due to abnormal operation, the bulb is not completely cooled, let the lamp body cool for more than 10 minutes, so that its internal state is completely restored to normal, and then restart the power supply;
- Check whether the bulb has reached its service life, and replace the new bulb;
- Check whether the bulb and the ignition circuit are leaking, falling off or in poor contact;
- Replace the new light bulb.

2. The beam appears dim

Possible causes: long use time of the bulb or dirty optical path. Handle as follows:

- Check whether the bulb has reached its service life, and replace the new bulb;
- Check whether the optical parts or bulbs are clean, whether there is dust on the bulbs and other optical devices, and clean and maintain the bulbs and other parts in the lamps regularly.

3. Pattern projection is blurred

- Check that the value of the electronic focus channel is appropriate for the current projection distance.

4. The lights work intermittently

Possible causes: Internal lines enter protection mode. Handle as follows:

- Check whether the fan is running normally or dirty, resulting in the internal temperature of the lamp rising;
- Check whether the internal temperature control switch is closed;
- Check if the bulb has reached its service life and replace it with a new one.

5. The lamp is not controlled by the console after it is normally reset

Possible causes: signal line fault or lamp parameter setting is not normal, the treatment is as follows:

- Check the starting address code and check the connection of DMX signal lines (whether the signal cable is intact and whether the connector is loose);
- Add signal amplifier, add 120 ohm terminal resistor;

6. The lamp does not start

Possible causes: poor power line, handle as follows:

- Check whether the fuse on the power input socket is blown, and replace the fuse;
- The lamp is subjected to vibration during long-distance transportation, resulting in poor contact of the line
- Check the input power supply, computer board and other plug-in devices.

2. Usage precautions

- Check whether the local power supply meets the rated voltage requirements of the product, and whether the leakage protector, overcurrent protector and so on meet the requirements of the load;
- Do not use power lines with damaged insulation, do not connect power lines to other wires;
- The lamp uses strong wind refrigeration, which is easy to accumulate dust, and must be cleaned once a month, especially the heat dissipation air outlet, otherwise it will be blocked by dust accumulation, resulting in poor heat dissipation and abnormal lamp.
- When installing lamps, the fixing screws must be tightened, and the safety cable should be added, and checked regularly;
- When installing and positioning the lamp, any point on the surface of the lamp should be kept at a minimum distance of 10 meters from any inflammable and explosive objects, and 2.5 meters away from the irradiated object. Please do not install the lamp directly on the surface of combustible substances;
- The continuous working time of the lamp is recommended not to exceed 10 hours, and the interval time between continuous starting of the lamp should not be less than 10 minutes, otherwise it will not be able to trigger normally due to the overheating protection of the bulb;
- The closing time of the switch valve should not exceed 5 minutes. If it is necessary to close the light for a long time, the lamp should be turned off using the control panel (lamp control channel);
- In order to ensure that multiple lamps better comply with the scene effect, the lamps should not remain in the current scene, that is, start the next scene action, and it is best that this state does not exceed 3 minutes to ensure that multiple lamps can run synchronously;
- During use, if the lamp is abnormal, the lamp should be stopped in time to prevent other faults.

3. RDM usage precautions

RDM is an extended version of the DMX512-A protocol and is the Remote Device Management (Remote Device Management) protocol. Traditional DMX512 communication is unidirectional, based on the RS-485 bus, which is a time-sharing multi-point, half-duplex protocol that allows only one port to be the host output at any given time. Therefore, when using RDM, you should pay attention to the following points:

- Use a console or host device that supports the RDM protocol;
- To use a bidirectional signal amplifier, a traditional unidirectional signal amplifier is not suitable for the RDM protocol, because the RMD protocol requires feedback data, and using a unidirectional amplifier will block the return data, resulting in the search of lamps;
- All lamps must be set to DMX mode to ensure that only one host is on the signal line;
- A 120ohm impedance matching resistor must be inserted between terminals 2 and 3 of the terminal plug. When the signal line is relatively long, differential signals are more stable to reduce signal reflection, which is beneficial to communication quality;
- When the lamp receives DMX control but cannot RDM search the lamp, check the signal amplifier first, and then check whether the 2 or 3 lines of the signal line are in poor contact.