User manual

AH024B
Blinder light



Please read carefully before use

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

Packaging:Thanks for your purchasing the AH024B All the lights have been checked and are in excellent operating condition. Please check the shipping carton first,because there may be damage occurred during the shipment.Then check the lights carefully and be sure that the lights is intact and works normally.In the event damage has been found, spare parts are missing or the lights works abnormally,please contact us for further instructions. And please don't return the lights to the dealer before contacting us.

Introduction:The AH024B has three operating modes:DMX mode, Auto mode and Master/Slave mode. In addition, you can connect several pieces of lights in DMX mode and set one in Auto mode, and the others in Master/Slave mode. And then all the lights in Master/Slave mode will run following the one in Auto mode. Using fog or special effect smoke,you can see better showing effect.

Warning!

1.Don't expose the lights to rain or moisture,for the sake of preventing the risk of electrical shock or fire.

2.Don't look directly at the opening lights all the time,or it may damage your eyes.

20 CHANNELS		
Channel	**Value**	**Function**
1	000 - 255	Master Dimmer
2	000 - 255	Master Dimmer fine
3	000-007	null
	008-255	Strobe (fast→slow)
4	000 - 255	Duration 0 - 100% (0ms - 510ms)
5	000 - 255	Warm White (eye 1)
6	000 - 255	Warm White fine (eye 1)
7	000 - 255	Red (eye 1)
8	000 - 255	Red fine (eye 1)
9	000 - 255	Warm White (eye 2)
10	000 - 255	Warm White fine (eye 2)
11	000 - 255	Red (eye 2)
12	000 - 255	Red fine (eye 2)
13	000 - 255	Warm White (eye 3)
14	000 - 255	Warm White fine (eye 3)
15	000 - 255	Red (eye 3)
16	000 - 255	Red fine (eye 3)
17	000 - 255	Warm White (eye 4)
18	000 - 255	Warm White fine (eye 4)
19	000 - 255	Red (eye 4)
20	000 - 255	Red fine (eye 4)

18 Device settings	166-176	No function
	221-231	No function
	232-242	No function
	243-255	Factory Reset (hold 3s)

11 CHANNELS		
Channel	**Value**	**Function**
1	000 - 255	Master Dimmer
2	000-007	null
	008-255	Strobe (fast→slow)
3	000 - 255	Duration 0 - 100% (0ms - 510ms)
4	000 - 255	Warm White (eye 1)
5	000 - 255	Red (eye 1)
6	000 - 255	Warm White (eye 2)
7	000 - 255	Red (eye 2)
8	000 - 255	Warm White (eye 3)
9	000 - 255	Red (eye 3)
10	000 - 255	Warm White (eye 4)
11	000 - 255	Red (eye 4)

Features

LED: Light Source: 4 X 150W LED,Amber + Red + Warm White LEDS

Beam angle：50°

Power: 650 W

Voltage: AC 110V ~ 240V 50/60Hz

Channel: 01/02/04/05/08/09/11/12/18/20CH

Power connector:seetronic TRUE one connector

Data connector: 3PIN or 5PIN XLR

Display: LCD Display Screen

Materials:Die-cast aluminum

LED pixel control,with Halogen effect

Accessories:fast lock and Magnetic frost filter

Intelligent temperature protection to ensure LED service life

Waterproof cooling fan,intelligent speed control

IP rating: IP65

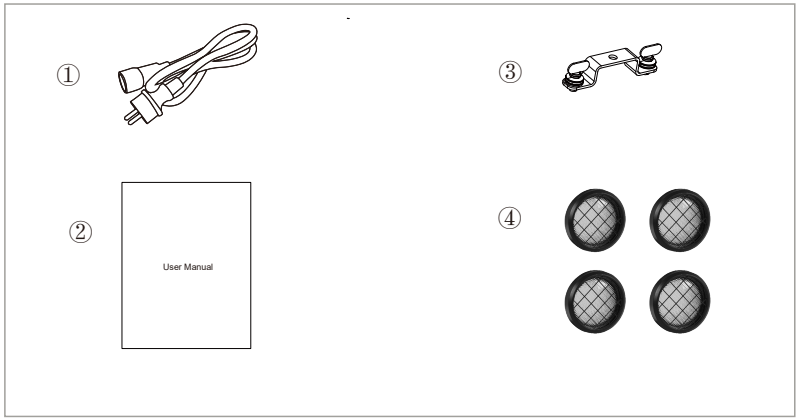
Size: 400 × 254 × 400 mm

N.W: 16kgs

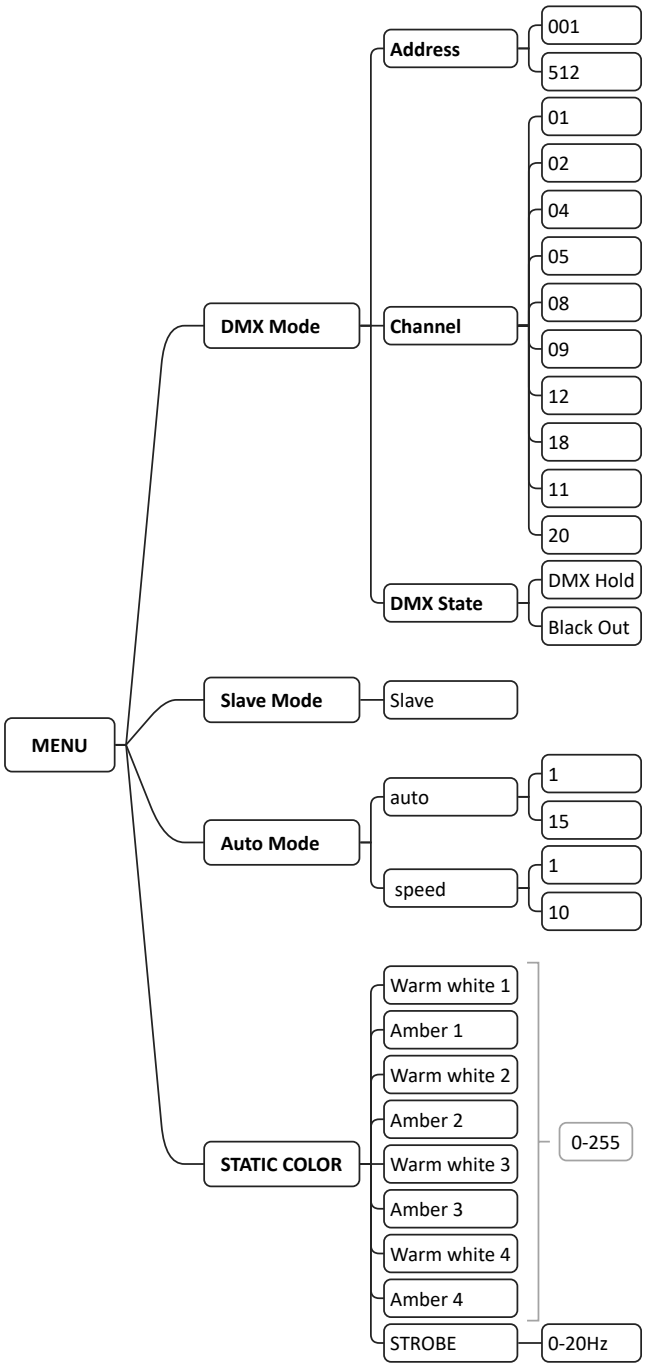
Accessory

① Power cable X 1　③ Fast lock X 1

② User manual X 1　④ Magnetic frost filter X 4 (purchase separate)



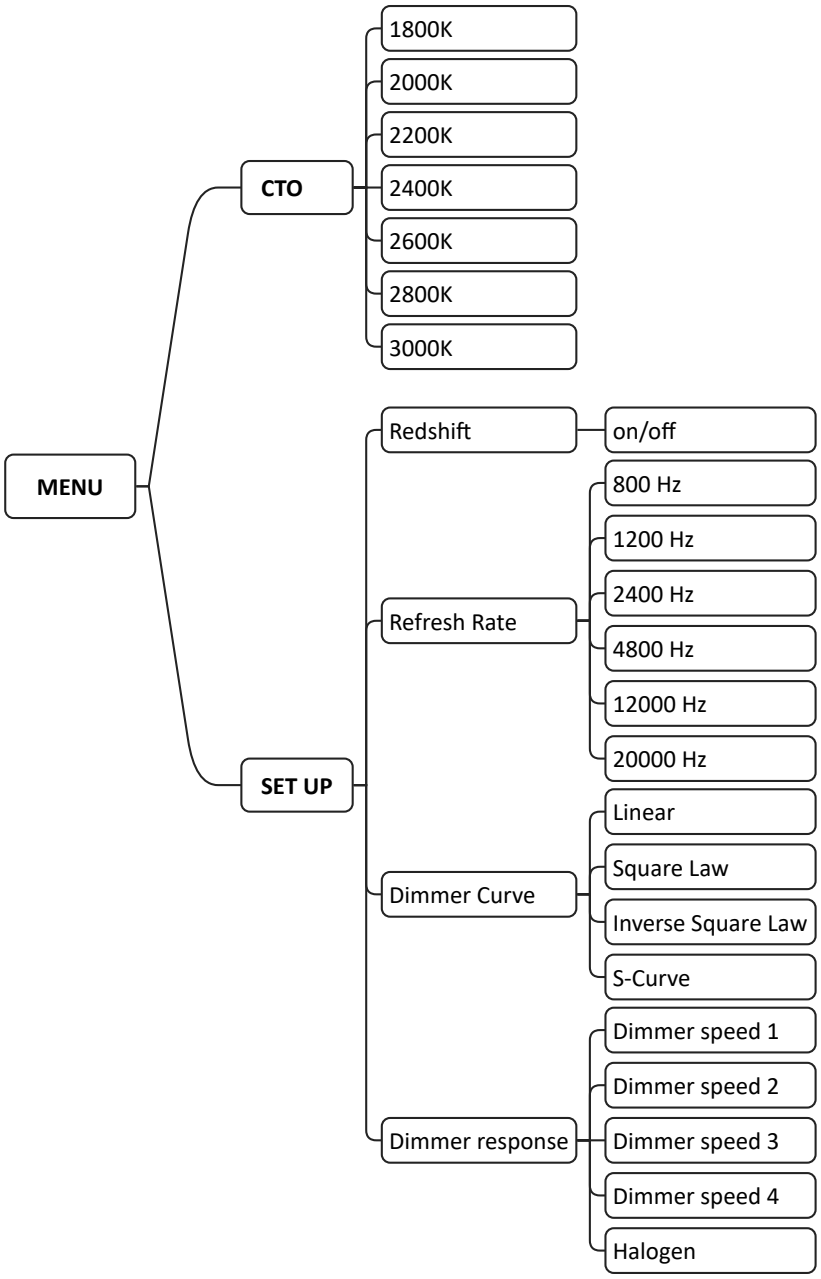
Programme Menu

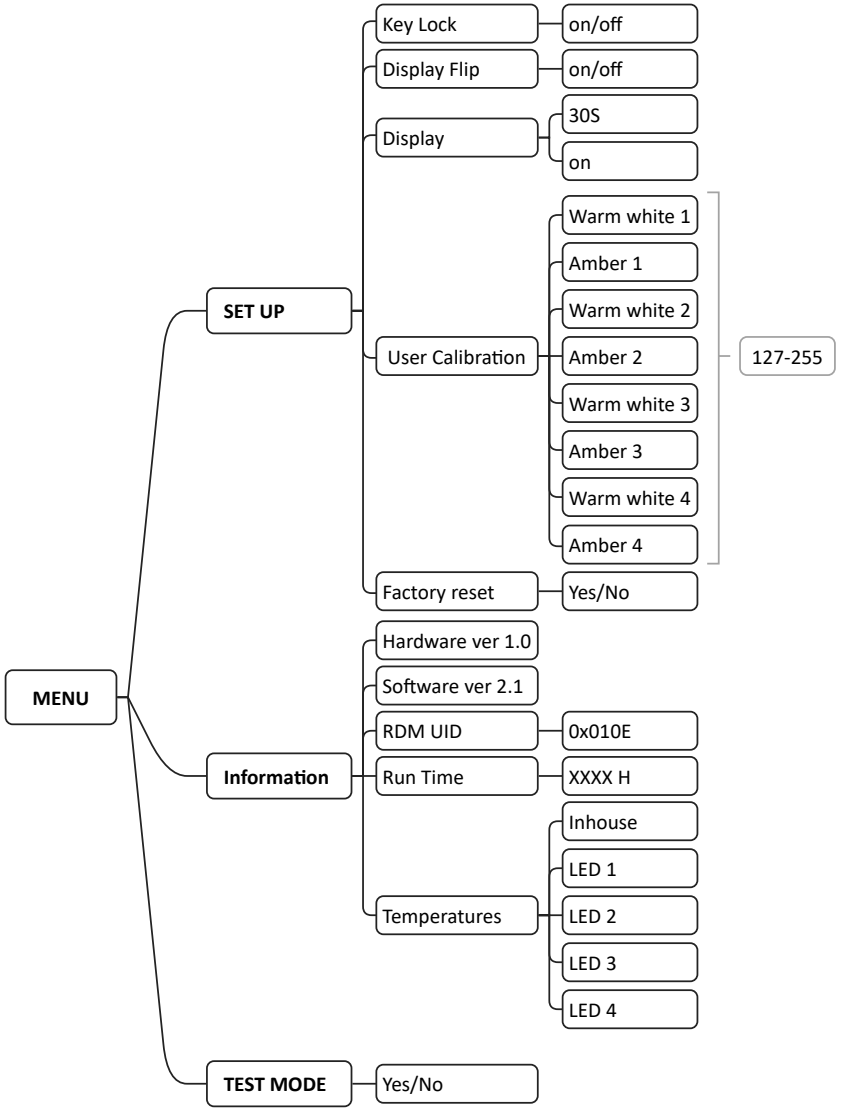


11	000 - 255	Dimmer 4 (eye 4)
12	000 - 255	Dimmer 4 fine
13	000 - 51	No Function
	052-101	Linear Dimmer Curve
	102-152	Square Law
	153-203	Inverse Square Law
	204-255	S-Curve
14	000-042	No Function
	043-084	Dimmer speed 1
	085-126	Dimmer speed 2
	127-168	Dimmer speed 3
	169-210	Dimmer speed 4
	211-255	Halogen
15	000 - 099	No Function
	100- 199	Redshift Off
	200 - 255	Redshift On
16	000-255	Auto effect
17	000-255	Auto speed
18 Device settings	000-011	No function
	012-022	Display Backlight 30S (hold 3s)
	023-033	Display Backlight On (hold 3s)
	034-044	No function
	045-055	DMX Fail Hold (hold 3s)
	056-066	DMX Fail Blackout (hold 3s)
	067-077	No function
	089-099	No function
	100-110	LED Frequency 800Hz(hold 3s)
	111-121	LED Frequency 1200Hz (hold 3s)
	122-132	LED Frequency 2400Hz (hold 3s)
	133-143	LED Frequency 4800Hz (hold 3s)
	144-154	LED Frequency 12kHz (hold 3s)
	155-165	LED Frequency 20kHz (hold 3s)

9 Dimmer speed	000-042	No Function - Current Preset from Menu Settings
	043-084	Dimmer speed 1
	085-126	Dimmer speed 2
	127-168	Dimmer speed 3
	169-210	Dimmer speed 4
	211-255	Halogen
10 Redshift	000 - 099	No Function - Current Preset from Menu Settings
	100- 199	Redshift Off
	200 - 255	Redshift On
11	000-255	Auto effect
12	000-255	Auto speed

18 CHANNELS		
Channel	**Value**	**Function**
1	000 - 255	Master Dimmer
2	000 - 255	Master Dimmer fine
3	000-009	No function
	010-039	Strobe1 pulse(fast→slow)
	040-069	Strobe2 random pulse(fast→slow)
	070-099	Strobe 3:opening pulse(fast→slow)
	100-129	Strobe 4:closing pulse(fast→slow)
	130-159	Strobe 5:random opening pulse(fast→slow)
	160-189	Strobe 6:random closing pulse(fast→slow)
	190-219	Strobe 7:burst (fast→slow)
	220-249	Strobe 8:random burst pulse (fast→slow)
	250-255	Shutter open
4	000 - 255	Duration 0 - 100% (0ms - 510ms)
5	000 - 255	dimmer 1 (eye 1)
6	000 - 255	dimmer 1 fine
7	000 - 255	dimmer 2 (eye 2)
8	000 - 255	dimmer 2 fine
9	000 - 255	Dimmer 3(eye 3)
10	000 - 255	Dimmer 3 fine





8 Dimmerr speed	000-042	No Function
	043-084	Dimmer speed 1
	085-126	Dimmer speed 2
	127-168	Dimmer speed 3
	169-210	Dimmer speed 4
	211-255	Halogen
9 Redshift	000 - 099	No Function
	100 - 199	Redshift Off
	200 - 255	Redshift On

12 CHANNELS		
Channel	**Value**	**Function**
1	000 - 255	Master dimmer
2 Strobe	000-009	No function
	010-039	Strobe1 pulse(fast→slow)
	040-069	Strobe2 random pulse(fast→slow)
	070-099	Strobe 3:opening pulse(fast→slow)
	100-129	Strobe 4:closing pulse(fast→slow)
	130-159	Strobe 5:random opening pulse(fast→slow)
	160-189	Strobe 6:random closing pulse(fast→slow)
	190-219	Strobe 7:burst (fast→slow)
	220-249	Strobe 8:random burst pulse (fast→slow)
	250-255	Shutter open
3	000 - 255	Duration 0 - 100% (0ms - 510ms)
4	000 - 255	dimmer 1 (eye 1)
5	000 - 255	dimmer 2 (eye 2)
6	000 - 255	dimmer 3 (eye 3)
7	000 - 255	dimmer 4 (eye 4)
8 Dimmer curve	000 - 51	No Function
	052-101	Linear Dimmer Curve
	102-152	Square Law
	153-203	Inverse Square Law
	204-255	S-Curve

3	000-042	No Function - Current Preset from Menu Settings
	043-084	Dimmer speed 1
	085-126	Dimmer speed 2
	127-168	Dimmer speed 3
	169-210	Dimmer speed 4
	211-255	Halogen
4	000 - 255	Duration 0 - 100% (0ms - 510ms)
5	000 - 255	dimmer 1 (eye 1)
6	000 - 255	dimmer 2 (eye 2)
7	000 - 255	dimmer 3 (eye 3)
8	000 - 255	dimmer 4 (eye 4)

9 CHANNELS		
Channel	**Value**	**Function**
1	000 - 255	Master dimmer
2 Strobe	000-009	No function
	010-039	Strobe1 pulse(fast→slow)
	040-069	Strobe2 random pulse(fast→slow)
	070-099	Strobe 3:opening pulse(fast→slow)
	100-129	Strobe 4:closing pulse(fast→slow)
	130-159	Strobe 5:random opening pulse(fast→slow)
	160-189	Strobe 6:random closing pulse(fast→slow)
	190-219	Strobe 7:burst (fast→slow)
	220-249	Strobe 8:random burst pulse (fast→slow)
	250-255	Shutter open
3	000 - 255	dimmer 1 (eye 1)
4	000 - 255	dimmer 2 (eye 2)
5	000 - 255	dimmer 3 (eye 3)
6	000 - 255	dimmer 4 (eye 4)
7 Dimmer curve	000 - 51	No Function
	052-101	Linear Dimmer Curve
	102-152	Square Law
	153-203	Inverse Square Law
	204-255	S-Curve

Operation

DMX MODE-In this menu,you can connect several pieces of lights with DMX cable and control them with the control console.

Press "ENTER" and then press "UP" or "DOWN" to "Address" or "DMX Channel" and press "ENTER".

1) "XXX" will be showed in "Address", "XXX" means the Address 001-512. You can press "UP" or "DOWN"to select the address you desired.

2) "Channel [xx]" will be showed in "DMX Channels", "XX" means DMX Channels Modes.

You can press "UP" or "DOWN" to select the Channel Mode you desired.

DMX STATE-In this menu,you can choose the DMX signal you desired.

1. Press "ENTER" and then press "UP" or "DOWN" to "DMX STATE".

2. Press "ENTER" and you can choose "BLACKOUT" or "DMX HOLD"; "BLACKOUT" means cut off the DMX signal and "DMX HOLD" means connect DMX signal.

SLAVE MODE-In this menu, you can choose one light as the MASTER light and other lights in SLAVE Mode will run follow the MASTER light.

1. Press "ENTER" and then press "UP" or "DOWN" to "SLAVE Mode".

2. Press "ENTER" and "SLAVE" will be showed, then press "ENTER" to choose.

Auto Mode - In this menu, you can select the auto mode you want, adjust the running speed and auto mode.
1. Press "ENTER" and then press "UP" or "DOWN" to "AUTO MODE".
2. Press "ENTER" you can see two items as below:
1) AUTO MODE - It provides "AUTO 1- AUTO 15" for you choose.
2) AUTO SPEED - It provides "01-10" for you choose.

STATIC COLOR - In this menu, you can choose the static color and stroboscopic value you want.
1. Press "ENTER" and then press "UP" or "DOWN" to "STATIC COLOR".
2. Press "ENTER" you can see the options below:
1) Amber - You can adjust the Amber brightness in this menu.
2) Warm white - You can adjust the Warm white brightness in this menu.
3) Strobe - You can adjust the strobe speed in this menu.

CTO - In this menu, you can choose the CTO value you want.

SET UP-In this menu, you can adjust the functions inside the Settings.

1. Press "ENTER" and then press "UP" or "DOWN" to "SET UP".

2. Press "ENTER" and there has nine options then press "ENTER" to choose the options and press "UP" or "DOWN" to choose the value you desired as below:

1)RedShift - In this item,the lamp displays the halogen effect when you select ON,and the lamp turns off the halogen effect when you select OFF.

2) Refresh Rate - In this item,You can choose the Refresh Rate you want.

3) Dimmer Curve - In this item,You can choose the dimming curve mode you want.

4) Dimmer response - In this item,You can choose the dimming speed mode you want.

5) Key Lock - You can choose "ON" or "OFF" to make the Key Lock turn on or off. The unlock password is: "up/down/up/down", then press ENTER.

6) Display Flip - the display performs a reversal function when you select ON, and this function will be turned off when you select OFF.

7) Display - the display screen will turn off after 30S when you select 30S, the display screen will always be on when you select OFF.

8) User Calibration - You can adjust the brightness of warm white and Amber.

9) FACTORY RESET-In this item, you can reset all the value of the system.

INFORMATION-In this menu,you can learn about the information of software, hardware,RDM, run time and the temperature of the light.

1. Press "ENTER" button and then UP or DOWN button until "INFORMATION" is showed.

2. Press "ENTER" button, and "Software" ,"Hardware" ,"RDM","Run time" or "Temperature"will be showed. Then press ENTER, and you can see five items as below:

1) Hardware ver - This item displays the Hardware information.

2) Software Ver- This item displays the Software information.

3) RDM: UID - This item displays the RDM information.

4) Run Time: - This item displays the working time of light .

5) Temperature: - You can set the your desired working temperature about the light in this menu.

Test Mode - In this menu, you can check the color and brightness of all lights.

DMX control mode

1 CHANNELS		
Channel	**Value**	**Function**
1	**000 - 255**	**Dimmer**

2 CHANNELS		
Channel	**Value**	**Function**
1	**000 - 255**	**Dimmer 1 (affects eye 1 + 3)**
2	**000 - 255**	**Dimmer 1 (affects eye 2 + 4)**

4 CHANNELS		
Channel	**Value**	**Function**
1	000 - 255	**Dimmer 1 (eye 1)**
2	000 - 255	**Dimmer 2 (eye 2)**
3	000 - 255	**Dimmer 3 (eye 3)**
4	000 - 255	**Dimmer 4 (eye 4)**

5 CHANNELS		
Channel	**Value**	**Function**
1	000 - 255	**Dimmer**
2	000 - 255	**Dimmer fine**
3	000 - 51	**No Function**
	052-101	Linear Dimmer Curve
	102-152	Square Law
	153-203	Inverse Square Law
	204-255	S-Curve
4	000-042	**No Function**
	043-084	Dimmer speed 1
	085-126	Dimmer speed 2
	127-168	Dimmer speed 3
	169-210	Dimmer speed 4
	211-255	Halogen
5	000 - 084	**No Function**
	085 - 170	Redshift Off
	171 - 255	Redshift On

8 CHANNELS		
Channel	**Value**	**Function**
1	000 - 255	**Master Dimmer**
2 Strobe	000-009	**No function**
	010-039	Strobe1 pulse(fast→slow)
	040-069	Strobe2 random pulse(fast →slow)
	070-099	Strobe 3:opening pulse(fast→slow)
	100-129	Strobe 4:closing pulse(fast→slow)
	130-159	Strobe 5:random opening pulse(fast→slow)
	160-189	Strobe 6:random closing pulse(fast→slow)
	190-219	Strobe 7:burst (fast→slow)
	210-239	Strobe 8:random burst pulse (fast→slow)
	240-255	Shutter open