Mini 295w 14rx with led ring moving head light

By AUVI Lights

USER MANUAL

Please read over this manual before operation the light

CONTENTS

Chapter 1 Installation and attention

1.1 Maintenance

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Intermittently using will extend this item's service life.
- Please clear the fan ,fan net , and optical lens in order to keep good work state.
- Do not use the alcohol or any other organic solvent to wipe the shell.

1.2 Statement

The product has perfect performance and integrity packing. All users should be strictly complying with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing. Any damage resulting by misuse is not within the Company's warranty. Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Note: All information is subject to change without prior notice.

1.3 Safety Precaution

- In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60degress.
- Always mount this unit in safe and stable matter.
- Install or dismantle should operate by professional engineer.
- Using lamp，the change rate of power voltage should be within±10%，If the voltage is too high，it will shorten the light's life; If it's not enough, will influence the effect.
- Please restart it 20 minutes later after turning off light , until full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lamps.
- In order to make sure the product is used well, please read the Manual carefully.

1.4 Product Instruction

- Channel mode:16 DMX512 Channels/18 DMX 512 Channels(With Led Strip)
- Pan scan：540°(16bit) Electric correction
- Tilt scan：270° (16bit) Electric correction
- Amazing dot matix, four tact switch, 180° turning show
- Color wheel: one color wheel, 14 kinds of color chips in one color wheel
- Gobo Wheel: 17 Kinds Gobos
- Effect Wheel: Colorful Rainbow + Frost
- 0-100% mechanical dimming, mechanical dimming and free dimming available.
- Led Strip:25Pcs 5050 RGB Led(Add 2 DMX 512 Channels)

- Lens optical system achanical fouce .beam angle 2°
- Over heat protection
- Power Input: 100-240V□50/60Hz
- Power Supply□450W
- IP level :IP20
- Magnetic ballast and AC/DC power supply
- Gross weight□12kg
- Packing Size: 50X34.5X36.5CM
- Net weight□10.8KG

1.5 Cable connection□DMX□

Use a cable conforming to specifications EIA RS-485: 2-pole twisted, shielded, 120Ohm characteristic impedance, 22-24 AWG, low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 3 or 5-pin male/female connectors. A terminating plug must be inserted into the last projector with a resistance of 120Ohm (minimum 1/4 W) between terminals 2 and 3.

IMPORTANT: The wires must not make contact with each other or with the metal casing of the connectors. The casing itself must be connected to the shield braid and to pin 1 of the connectors.

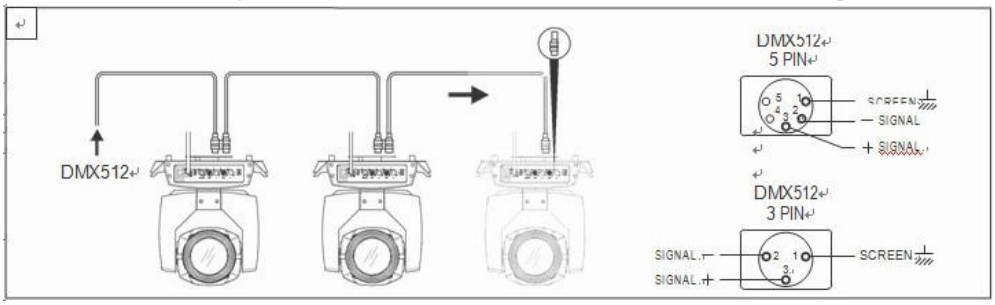

Figure 1 DMX Cable connection

1.6 Rigging (Optional)

This equipment can be positioned and fixed by clamp in every direction of the stage. Locking system makes it easy to fasten to the bracket.

Attention! Two clamps is needed to fix the equipment. Every clamp is locked by fastener of 1/4 kind. Fastener can only be locked clockwise.

Attention! Fasten a safety string to the additional hole of side aluminum piece. The secondary accessory can not hang on the delivery handle. Nip the equipment on bracket.

- Check if rigging clamp (not including the one inside) damaged or not? If stand ten times weight as the equipment. Make sure the architecture can stand ten times weight as all the equipments, clamps, wirings and other additional fixtures.
- Screws for clamping must be fixed firmly. Take one M12 screw (Grade 8.8 or higher) to clamp bracket, and then screw the nuts.

- Level the two hanging points at the bottom of clamp. Insert fastener to the bottom, lock the two levers by 1/4 rotating clockwise; then install another clamp.
- Install on safety string which stands at least ten times weight as equipment. Terminal of the accessory is designed for clamps.
- Make sure pan/tilt lock unlocked or not. Keep the distance more than 1M from equipment to flammable material or lighting source.

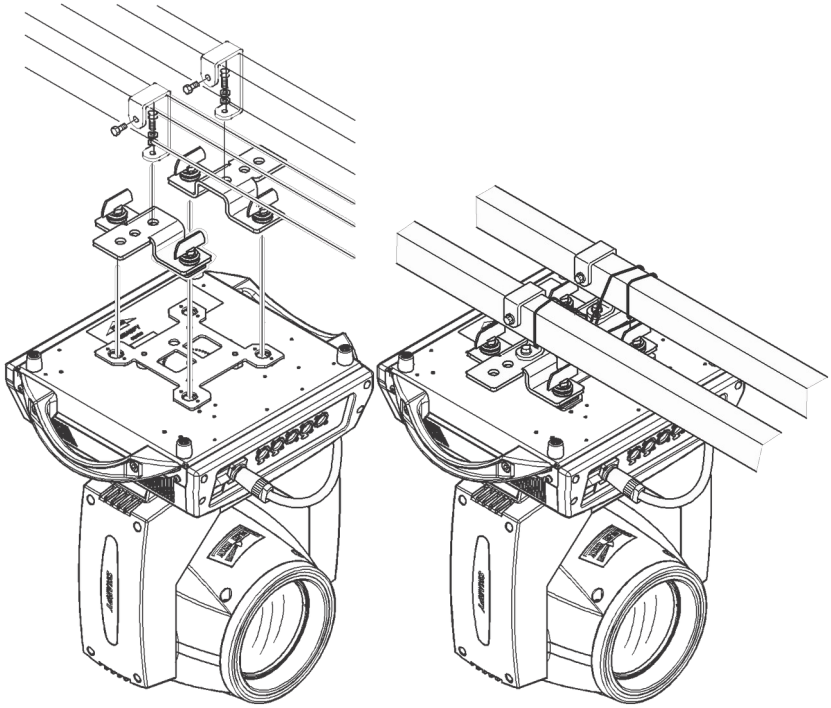

Figure 2 Installation

Chapter 2 Panel operation

2.1 Brief

The light panel diagram show as Figure 3, Left area is TFT Displayer, support touch, and right area is KEY, both of touch and KEY can operate light and setting.

Display & operation just like ‘Android operation system’, touch the item will set or modify setting.

Note: Prevent damage the touch or TFT displayer, Can not use sharp objects chick displayer.

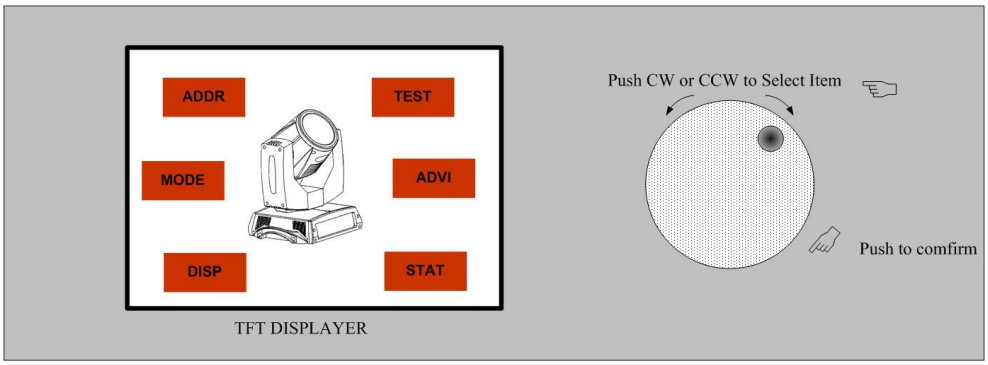

Figure 3 Panel diagram

2.2 Operation

2.2.1 Operate light with touch or KEY

- The left area is TFT Displayer and touch, chick item or value with finger will to complete operation of set light setting(parameters) or view light state.
- The area on the right hand side is 4 KEY, As auxiliary input interface, if disable touch function,, the KEYr can been choose to set the parameter.

2.2.2 Parameter value setting

When the selected item is value need to been modified, the dialog shown in Figure 4 will popup.

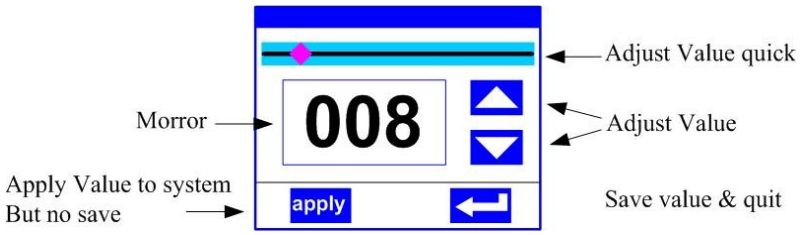

Figure 4 Dialog of value setting

- **Modify value**：Can quickly modify value via pull the slider to the desired position, or click the button of ‘up’ or ‘down’ whit finger on the right side to set the exact desired value, another way is roll encoder on the right hand side of panel.
- **Apply value**：When Value had been modified, Then press the bottom of ‘apply’ in the left corner to apply to the light, but hav’t saved；
- **Save Value**：Any time, click on the lower right corner of the "OK" button, the setting will been saved into internal memory.

2.2.3 Boolean parameter setting

- when the selected parameters is a Boolean value (such as ON or OFF), can directly modify

setting by chick corresponding item, the setting will been saved right now.

- When the parameter is a key item, chick corresponding item, a dialog shown in Figure 5 will been popup ask for the confirm. Chick ‘sure’ to confirm.

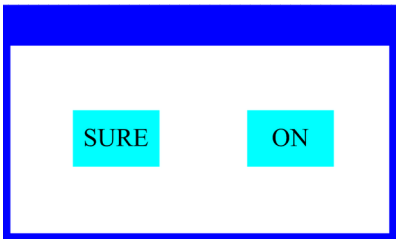

Figure 5 Dialog of confirm

2.2.4 Sub Menu（Parameter）

Chick item of main menu, enter corresponding sub menu, shown in Figure 6, total 6 sub menu, includes class of parameter and status:

- ADDRESS：Set light DMX address.
- WORKMOD：Set light work mode, master or slave mode when in auto run mode.
- DISPLAY： Set display parameter, eg. select language.
- TEST：Used for test light, modify DMX channel data to test function， the corresponding function of reference channel function table.
- ADVANCE：Set light running parameter.
- STATUS：view light current status.

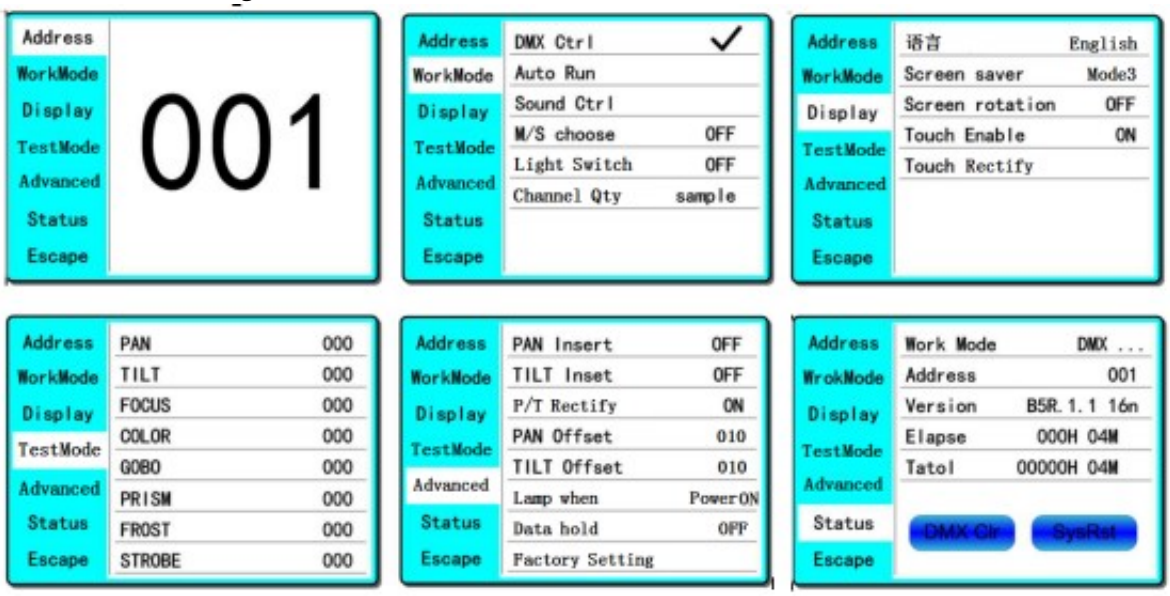

Figure 6 Parameter menu

2.3 Operation and parameter instruction

Via following operation, enter sub menu(parameter menu) shown in Figure 6

- In main menu, chick 1/6 function button into corresponding parameter menu.
- In sub menu(page), chick main item on the left side of displayer, can shift to corresponding sub menu(page) quickly.

2.3.1 ADDR--> Address: Set DMX Address

Click and select the "ADDR", can enter the page of DMX address setting, range from 1 to 512, the address code shouldn't is not greater than (512- channels quantity), otherwise the light will not been controlled. Following is the operation:

Enter the page of DMX address, as shown in Figure 7, click the blank area in right side of display will pop-up diglog as in Fig. 4, modify value, then click 'ENTER' to confirm and save DMX address code.

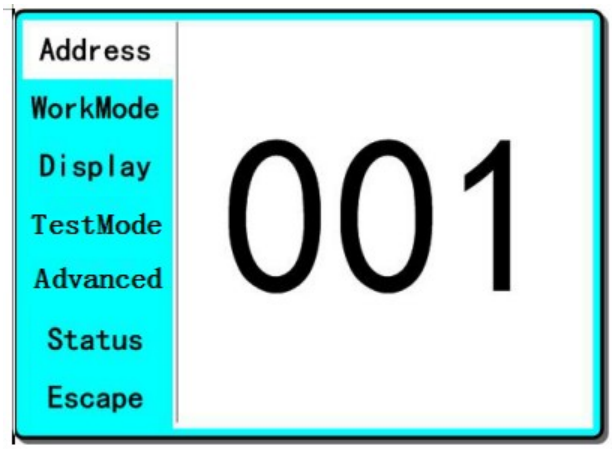

Figure 7 page of DMX Address

2.3.2 MODE--> WorkMode: Set Light work mode

Enter the page of 'WorkMode' as shown in Figure 8 and modify setting. Can set light work mode, control lamp and DMX channel mode.

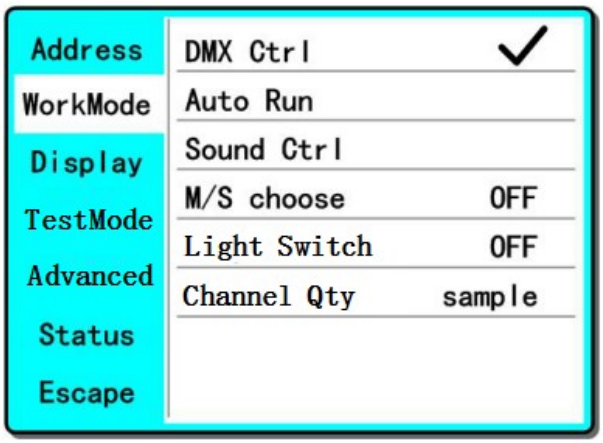

Figure 8 page of work mode

- **DMX Ctrl**: Choose to set DMX Mode,
- **Auto Run**: Choose to set Auto Mode,
- **Sound Ctrl**: Choose to set Sound Mode,
- **M/S Choose:** Available just in 'AUTO RUN' or 'SOUND Ctrl' mode.
  ON--> Master. (Data will be send to other slave lamp immediately.)
  OFF--> Slaver.(NOT send data to other lamp via DMX Cable).(**Default**)
- **Light Switch:**
  ON--> Turn on the light,
  OFF--> Turn off the light.
- **Channel Qty:** Light support 2 DMX Channel mode: sample or extend
  Simple --> 16CH.(**Default**)
  Expand--> 20CH(or null).

2.3.3 DISP-->DISPLAY: Set display

Light support 2 language, rotation display Enter page as shown in Figure9 to set parameter following:

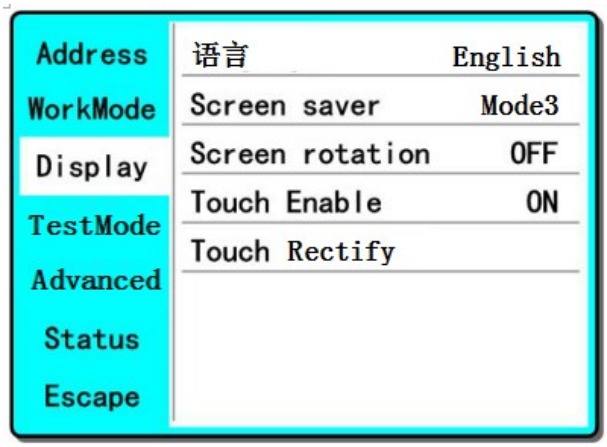

Figure9 page of display

◆ **Language**: English / .

◆ **Screen Saver:** when panel is idle(these is no operation in 10 second), displayer will enter saver status.

OFF--> No screen saver.

Mode1--> Power-saving mode, turn off the display.

Mode2--> Displays the current address.

Mode3--> Displays the icon and the current working mode.(**Default**)

◆ **Screen Rotion: To turning display.**

ON--> Normal display.(**Default**)

OFF--> 180° turning display.

◆ **Touch enable**Disable or enable touch function,.

ON--> Enable touch function.(**Default**)

OFF--> Dosable touch function.

◆ **Touch adjust**Adjust touch function. Normally, not enter this item.

2.3.4 TEST--> TestMode

Enter the page as shown in Figure 10, Light will into test mode, in this mode, the light does not receive the data for DMX controller.:

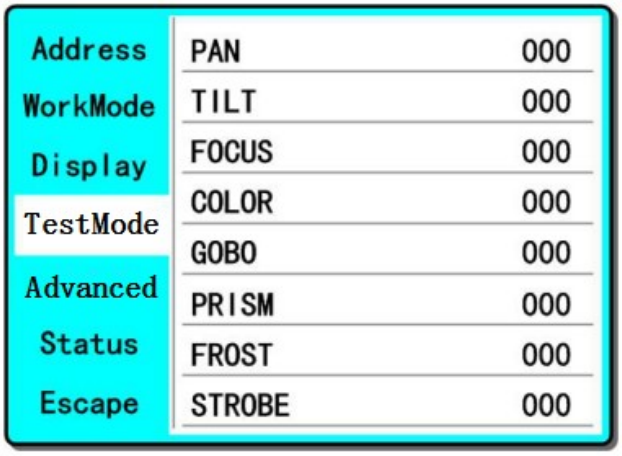

Figure 10 page of Test

◆ **PAN:** range for 0 to 255;

◆ **TILT:** range for 0 to 255;
◆ **FOCUS:** range for 0 to 255;
◆ **COLOR:** range for 0 to 255;
◆ **GOBO:** range for 0 to 255;
◆ **PRISM:** range for 0 to 255;
◆ **FROST:** range for 0 to 255;
◆ **STROBE:** range for 0 to 255;

2.3.5 ADVA-->Advanced: Set light run parameter

Enter the page as shown in Figure 10, set the parameter of light:

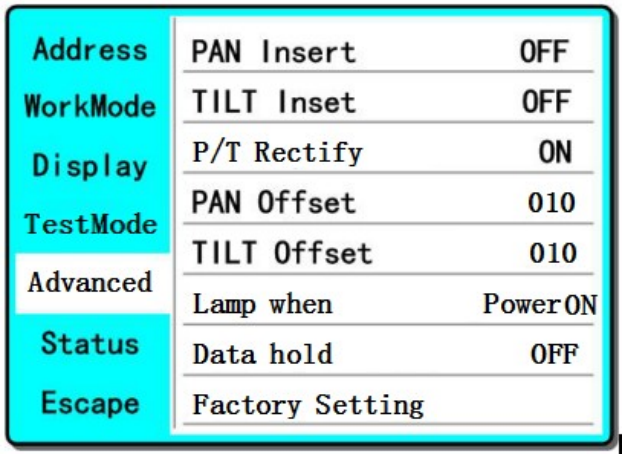

Figure 11 page of run parameter

◆ **Pan Invert**: **Reverse PAN move**
OFF--> Pan Normal move.(**Default**)
ON--> Reverse PAN move.
◆ **Tilt Invert: Reverse TILT move**
OFF--> Tilt Normal move.(**Default**)
ON--> Reverse Tilt move.
◆ **P/T Rectify: Disable or enable position rectify function.**
OFF--> Disable P/T rectify
ON--> Enable P/T rectify-(**Default**)
◆ **Pan Offset:** Set PAN original position. **Default: 10**
◆ **Tilt Offset:** Set TILT original position. **Default: 10**
◆ **Lamp when:**
PowerON--> Turn on the lamp when power on.(**Default**)
RstDone--> Turn on the lamp after reset.
Manual--> Manually turn on the lamp.
◆ **Data hold:**
OFF--> When no DMX signal,return to middle position.(**Default**)
ON--> When no DMX signal,stop in the final position.
◆ **Factory Setting:** Restore all parameter to factory setting.

2.3.6 STAT-->Status: View status

Enter the page as shown in Figure 12:

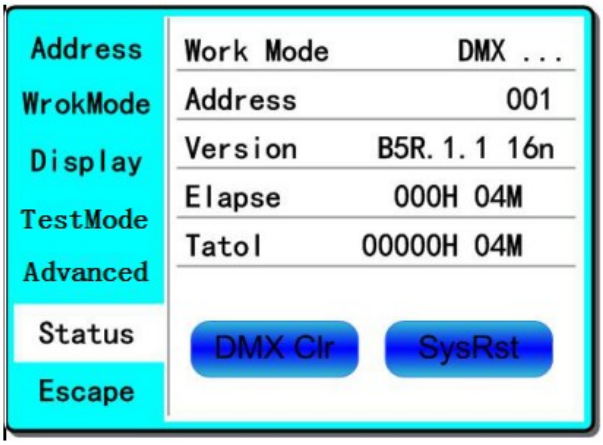

Figure 12 page of status

- **Work Mode:** Show the current working mode.
- **Address:** Show the current address.
- **Version:** Show the version of the lamp.
- **Elapse:** Working hours after turn on.
- **Tatol:** Cumulative hours of operation

DMXClr	**When <Data hold> set <ON>,click to clear DMX data, and make the lamp return to themiddle position.**
SysRst	**Click to reset.**

Chapter 3 Channel description

3.1 Channel table

Table 1 Channel brief

Channel	Name	Data	Introduce
1	**Color**	0-3	white
		4-8	white+color1
		9-12	color1
		13-17	color1+color2
		18-21	color2
		22-26	color2+color3
		27-31	color3
		32-35	color3+color4
		36-40	color4
		41-44	color4+color5
		45-49	color5
		50-53	color5+color6
		54-58	color6
		59-63	color6+color7
		64-67	color7
		68-72	color7+color8
		73-76	color8
		77-81	color8+color9
		82-85	color9
		86-90	color9+color10
		91-95	color10
		96-99	color10~color11
		100-104	color11
		105-108	color11+color12
		109-113	color12
		117-117	color12+color13
		118-122	color13
		123-127	color13+color14
		128-191	Rotate forward (fast to slow)
		192-255	Rotate reverse (slow to fast)

2	**Strobe**	0-3	Dark
		4-103	Pluse strobe slow to fast
		104-107	open
		108-207	Fade strobe slow to fast
		208-212	open
		213-251	Rand strobe slow to fast
		252-255	open
3	**Dimmer**	0~255	Dimmer intensity from 0% to 100%
4	**Gobo**	0-7	white
		8-16	Gobo1
		17-24	Gobo2
		25-33	Gobo3
		34-41	Gobo4
		42-50	Gobo5
		51-58	Gobo6
		59-67	Gobo7
		68-75	Gobo8
		76-84	Gobo9
		85-92	Gobo10
		93-101	Gobo11
		102-109	Gobo12
		110-118	Gobo13
		119-127	Gobo14
		128-191	Rotate reverse (fast to slow)
		192-255	Rotate forward (slow to fast)
5	**Prism**	0-127	None
		128-255	Inert prism1
6	**Prism.Rot**	0-127	0-360(degree)
		128-190	Rotate forward (fast to slow)
		191-192	stop
		193-	Rotate reverse (slow to fast)

		255	
7	**Colorful**	0-127	None
		128-255	Insert colorful
8	**Frost**	0~127	None
		128~255	Insert frost
9	**Zoom**	0~255	Far to near
10	**PAN**	0~255	0-540(degree)
11	**PAN fine**	0~255	0-2(degree)
12	**TILT**	0~255	0-270(degree)
13	**TILT fine**	0~255	0-1(degree)
14	**Macro Function**	0~255	
15	**Reset**	0-25	None
		26-76	Reset Effect motor over 3 second
		77-127	Reset XY motor over 3 second
		128-255	Reset fxiture over 3 second
16	**lamp open**	0-25	None
		26-100	Turn off lamp over 3 second
		101-255	Turn on over 3 second
17	**PT Spd**	0-255	Fast to slow
18	**Color Spd**	0-255	

Note: Channels 17 and 18 are only available for beam shake headlights with aperture, and beam shake headlights without aperture do not have these two channels

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