

# VIS056.1 Operation Manual

**HEX IP BAR** is lighting effect which can create decorative effects. The front operation plant has LCD display. You can operate it through the four buttons---MODE, SET UP, UP, DOWN. It can stock running mode when it is off. You can find last running mode when it is on next time. This product has temperature protect function. When it is on, it will be off automatically when the temperature is beyond 85 ° C. But it won't impact other combined products. When you re-start it, it can run correctly within 85 ° C.

## A, Specification

1. Weight: 7.7kgs
2. Size: 1030x140x155mm
3. IP rate: IP 65
4. Power input: AC100V-240V/50Hz-60Hz
5. Wattage: 110W
6. LEDS: 12PCS 10W(RGBWA+UV 6 in 1)
7. Beam angle of LEDS: 25 degree
8. 2 × 8 character LCD display for easy operation
9. IR remote and wireless DMX remote available
10. Power cord daisy chain: 5 fixtures max
11. Selectable 6, 7, 8, 12, 36 DMX channels for different application
12. 6 section flow, each section can be controlled individually
13. 3PIN female and male XLR socket, 3PIN female and male power socket

## B, The function description of the LED light:

It has 7 kinds of operation mode, they are as follows:

**Static color select mode, Manual dimmer color mode, Built in program select mode, Auto-run mode, Other program select mode, Slave mode, DMX mode**

Here above 7 kinds running mode are selected by MODE button. The unit will lock the LCD display if there is no operation on the unit over 30 seconds. You have to press and hold down MODE button for 3 seconds before gaining access to the units menu options.

### 1. Static color select mode

Press "MODE" button, select static color select mode. At this time, the LCD display shows "CLR MACS COLOR: X X", Press "UP" or "DOWN" to select static colors 0-63 under

this mode. Then press SET UP button to choose the flash speed set mode. When "CLR MACS STRO: X X X" is displayed, press "UP" or "DOWN" button to adjust the flash speed(00-15), 00 is turn off flash, 01 is the slowest flash speed, 15 is the fastest flash speed.

## 2. Manual dimmer color mode

Press "MODE" button, select manual dimmer color mode. At this time, the LCD display shows "MANUAL RED: X X X", then press "SET UP" to choose the other 5 colors, green: "MANUAL GREEN: X X X", blue: "MANUAL BLUE: X X X", white: "MANUAL WHITE: X X X", amber: "MANUAL AMBER: X X X" and UV: "MANUAL UV: X X X". Then press "UP" or "DOWN" button to set the dimming rate (0-255). Then press SET UP button to choose the flash speed set mode. When "MANUAL STRO: X X X" is displayed, press "UP" or "DOWN" button to adjust the flash speed(00-15), 00 is turn off flash, 01 is the slowest flash speed, 15 is the fastest flash speed.

## 3. Built in program select mode

Press "MODE" button, select built in program select mode. At this time, the LCD display show "PROGRAM PRO: X X X". Press "UP" or "DOWN" to select the built in programs 01, 22 under this mode.

Then press SET UP button to choose the program speed set mode, program fade time set mode and the flash speed set mode. When "PROGRAM SPEED: X X X" is displayed, press "UP" or "DOWN" button to adjust the program running speed grade 01-99 (from slow to fast) under this mode. When "PROGRAM FADE: X X X" is displayed, press "UP" or "DOWN" button to adjust the fade time grade 00-99 under this mode. 00 is turn off fade, 01 is the fastest, 99 is the slowest. When "PROGRAM STRO: X X X" is displayed, press "UP" or "DOWN" button to adjust the flash speed(00-15), 00 is turn off flash, 01 is the slowest, 15 is the fastest.

Notice: When the LED light is in Pr. 21 and Pr. 22. You can also press "SET UP" button to select the base color and flow color, press "UP" or "DOWN" to select the base color or flow color, such as base color will show

"BACK:OFF", "BACK:R", "BACK:G", "BACK:B" ..... "BACK:ALL".

Flow color is showed

"COLO:OFF", "COLO:R", "COLO:G", "COLO:B" ..... "COLO:ALL".

## 4. Auto-run mode

Press "MODE" button, select auto run mode. At this time, the LCD display show "AUTO RUN FADE: X X X", press "UP" or "DOWN" button to adjust the fade time grade 00-99 under this mode. 00 is turn off fade, 01 is the fastest, 99 is the slowest. Then press SET UP button to choose the flash speed set mode. At this time, the LCD display show "AUTO RUN STRO: X X X", press "UP" or "DOWN" button to adjust the flash speed(00-15), 00 is turn off flash, 01 is the slowest flash speed, 15 is the fastest flash speed.

## 5. Slave mode

Press "MODE" button, select slave mode. At this time, the LCD display show "SLAVE MODE". Press SET UP, UP or DOWN is no use under this mode.

## 6. Other program select mode

1) LCD backlight off/on select mode

Press "SET UP" button, select LCD backlight off/on mode. Press UP or DOWN to select the LCD backlight on/off. When the digital tube displays "OTHER BLGT: on" means that the LCD backlight will on in any situation, when the digital tube displays "OTHER BLGT: off" means that the LCD backlight will be automatically off after 30 seconds if there is no operation.

- 2) IR remote function on/off select mode  
Press "SET UP" button ,select IR remote function on/off mode.Press UP or DOWN to select IR remote function on/off.When the digital tube displays"OTHER IR:on"means that IR remote function is on,when the digital tube displays"OTHER IR:off"means that IR remote function is off
- 3) Initialization select mode

Press"SET UP" button until the LCD displays"OTHER RESET",and the LCD backlight is flicker.Now press UP and DOWN button at the same time,you can initialize it at extra factory setting.

#### 7. DMX mode

You can control the devices individually via your DMX-controller.The LCD backlight will be flicker when there is no controller signal in this mode.

- 1) DMX address set mode

The control Board allows you to assign the DMX address which is defined as the first channel of the LED bar.Press " MODE " button until the display is " DMX MODE ADDR:001~512" , then press UP or DOWN to set the DMX address.

- 2) DMX-PROTOCOL

Press "SET UP" button until the display is "DMX MODE CHAN:6/7/8/12/36" , then press UP or DOWN to set the desired channels (6,7,8,12,36).There are total 5 DMX modes.

- 3) No DMX mode set

Press"SET UP"button until the displays is "DMX MODE NO:BLACK/HOLD/AUTO",then press"UP" or "DOWN" to select the 3 no DMX modes.When the LCD display"DMX MODE NO:BLACK",it means when DMX signal is lost or interrupted,the unit will default to BLACKOUT option,it will switch all LED's off;when the LCD display"DMX MODE NO:HOLD",it means when DMX signal is lost or interrupted,the unit will default to HOLD option,it will hold the last state before signal was lost;when the LCD display"DMX MODE NO:AUTO",it means when DMX signal is lost or interrupted,the unit will default to AUTO option,it will run the internal auto program.

- 4) Delay mode select

Press "SET UP" button until the display is "DMX MODE DELAY:0~4" , then press UP or DOWN to set the delay mode.There are total 5 delay modes.

CHAN:06 : set 6 channels

| CH No. | DMX value | Function           |
|--------|-----------|--------------------|
| CH1    | 000~255   | Red (dim→bright)   |
| CH2    | 000~255   | Green (dim→bright) |
| CH3    | 000~255   | Blue(dim→bright)   |
| CH4    | 000~255   | White(dim→bright)  |
| CH5    | 000~255   | Amber(dim→bright)  |
| CH6    | 000~255   | UV(dim→bright)     |

CHAN:07 : set 7 channels

| CH No. | DMX value | Function           |
|--------|-----------|--------------------|
| CH1    | 000~255   | Red (dim→bright)   |
| CH2    | 000~255   | Green (dim→bright) |
| CH3    | 000~255   | Blue(dim→bright)   |
| CH4    | 000~255   | White(dim→bright)  |
| CH5    | 000~255   | Amber(dim→bright)  |
| CH6    | 000~255   | UV(dim→bright)     |
| CH7    | 000~255   | Dimmer(dim→bright) |

CHAN:08 : set 8 channels

| CH1                              | CH2                                | CH3                               | CH4                                | CH5                                | CH6                             | CH7   | CH8                                  |
|----------------------------------|------------------------------------|-----------------------------------|------------------------------------|------------------------------------|---------------------------------|---|--------------------------------------|
| RED                              | GREEN                              | BLUE                              | WHITE                              | AMBER                              | UV                              | STROBE  | MASTER DIMMER                        |
| Red<br>0-255<br>(dim→<br>bright) | Green<br>0-255<br>(dim→<br>bright) | Blue<br>0-255<br>(dim→<br>bright) | White<br>0-255<br>(dim→<br>bright) | Amber<br>0-255<br>(dim→<br>bright) | UV<br>0-255<br>(dim→<br>bright) | 0-31 LED OFF<br>32-63 LED ON<br>64-95 STROBE SLOW->FAST<br>96-127 LED ON<br>128-159 STROBE PULSE SLOW->FAST<br>160-191 LED ON<br>192-223 RANDOM STROBE SLOW->FAST<br>224-255 LED ON | Dimming<br>0-255<br>(dim→<br>bright) |

CHAN:12 : set 12 channels

| CH1                              | CH2                                | CH3                               | CH4                                | CH5                                | CH6                             | CH7                    | CH8   | CH9              | CH10  | CH11             | CH12  |
|----------------------------------|------------------------------------|-----------------------------------|------------------------------------|------------------------------------|---------------------------------|------------------------|---|------------------|---|------------------|---|
| RED                              | GREEN                              | BLUE                              | WHITE                              | AMBER                              | UV                              | COLOR<br>MACROS        | STROBE  | MASTER<br>DIMMER | PROGRAMS  | PROGRAM<br>SPEED | DIM<br>MODE   |
| Red<br>0-255<br>(dim→<br>bright) | Green<br>0-255<br>(dim→<br>bright) | Blue<br>0-255<br>(dim→<br>bright) | White<br>0-255<br>(dim→<br>bright) | Amber<br>0-255<br>(dim→<br>bright) | UV<br>0-255<br>(dim→<br>bright) | SEE<br>COLOR<br>MACROS | 0-31 LED OFF<br>32-63 LED ON<br>64-95 STROBE<br>SLOW->FAST<br>96-127 LED ON<br>128-159 STROBE | Dimming<br>0-255 | 0-6 NOTHING<br>7-26 PROGRAM 1<br>27-35 PROGRAM 2<br>36-45 PROGRAM 3<br>46-55 PROGRAM 4<br>56-65 PROGRAM 5 |                  | 0-20<br>STANDARD<br>(dr 0)<br>21-40 Stage<br>(dr 1)<br>41-60 TV |

|  |  |  |  |  |  |  |  |  |  |                  |   |                                    |   |
|--|--|--|--|--|--|--|--|--|--|------------------|---|------------------------------------|---|
|  |  |  |  |  |  |  |  |  | <p>PULSE<br/>SLOW-&gt;FAST<br/>160-191 LED ON<br/>192-223<br/>RANDOM<br/>STROBE<br/>SLOW-&gt;FAST<br/>224-255 LED ON</p> | (dim→<br>bright) | 66-75    PROGRAM 6<br>76-85    PROGRAM 7<br>86-95    PROGRAM 8<br>96-105    PROGRAM 9<br>106-115    PROGRAM 10<br>116-125    PROGRAM 11<br>126-135    PROGRAM 12<br>136-145    PROGRAM 13<br>146-155    PROGRAM 14<br>156-165    PROGRAM 15<br>166-175    PROGRAM 16<br>176-185    PROGRAM 17<br>186-195    PROGRAM 18<br>196-205    PROGRAM 19<br>206-215    PROGRAM 20<br>216-225    PROGRAM 21<br>226-235    PROGRAM 22<br>236-255    AUTO RUN | 0-255<br>SLOW TO FAST<br>FOR SPEED | (dr 2)<br>61-80<br>Architectural<br>(dr 3)<br>81-100 Theatre<br>(dr 4)<br>101-255<br>Default to User<br>Setting |
|--|--|--|--|--|--|--|--|--|--|------------------|---|------------------------------------|---|

CHAN:36 : set 36 channels

| CH No. | DMX value | Function                     |
|--------|-----------|------------------------------|
| CH1    | 000~255   | Red section 1 (dim→bright)   |
| CH2    | 000~255   | Green section 1 (dim→bright) |
| CH3    | 000~255   | Blue section 1 (dim→bright)  |
| CH4    | 000~255   | White section 1 (dim→bright) |
| CH5    | 000~255   | Amber section 1 (dim→bright) |
| CH6    | 000~255   | UV section 1 (dim→bright)    |
| !!!    | !!!       | !!!                          |
| CH31   | 000~255   | Red section 6 (dim→bright)   |
| CH32   | 000~255   | Green section 6 (dim→bright) |

|      |         |                             |
|------|---------|-----------------------------|
| CH33 | 000~255 | Blue section 6(dim→bright)  |
| CH34 | 000~255 | White section 6(dim→bright) |
| CH35 | 000~255 | Amber section 6(dim→bright) |
| CH36 | 000~255 | UV section 6(dim→bright)    |

Color macros chart as below:

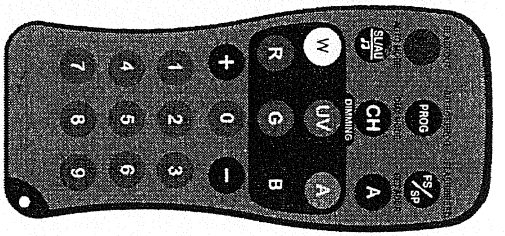
|             |                |                  |                      |
|-------------|----------------|------------------|----------------------|
| 0-3=Off     | 64-67=B+W      | 128-131=G+B+W    | 192-195=R+B+W+A      |
| 4-7=Red     | 68-71=B+A      | 132-135=G+B+A    | 196-199=R+B+W+UV     |
| 8-11=Green  | 72-75=B+UV     | 136-139=G+B+UV   | 200-203=R+B+A+UV     |
| 12-15=Blue  | 76-79=W+A      | 140-143=G+W+A    | 204-207=R+W+A+UV     |
| 16-19=White | 80-83=W+UV     | 144-147=G+W+UV   | 208-211=G+B+W+A      |
| 20-23=Amber | 84-87=A+UV     | 148-151=G+A+UV   | 212-215=G+B+W+UV     |
| 24-27=UV    | 88-91=R+G+B    | 152-155=B+W+A    | 216-219=G+B+A+UV     |
| 28-31=R+G   | 92-95=R+G+W    | 156-159=B+W+UV   | 220-223=G+W+A+UV     |
| 32-35=R+B   | 96-99=R+G+A    | 160-163=B+A+UV   | 224-227=B+W+A+UV     |
| 36-39=R+W   | 100-103=R+G+UV | 164-167=W+A+UV   | 228-231=R+G+B+W+A    |
| 40-43=R+A   | 104-107=R+B+W  | 168-171=R+G+B+W  | 232-235=R+G+B+W+UV   |
| 44-47=R+UV  | 108-111=R+B+A  | 172-175=R+G+B+A  | 236-239=R+G+B+A+UV   |
| 48-51=G+B   | 112-115=R+B+UV | 176-179=R+G+B+UV | 240-243=R+G+W+A+UV   |
| 52-55=G+W   | 116-119=R+W+A  | 180-183=R+G+W+A  | 244-247=R+B+W+A=UV   |
| 56-59=G+A   | 120-123=R+W+UV | 184-187=R+G+W+UV | 248-251=G+B+W+A+UV   |
| 60-63=G+UV  | 124-127=R+A+UV | 188-191=R+G+A+UV | 252-255=R+G+B+W+A+UV |

### C, Operation by IR remote:

You can also operate this product by IR remote, the distance available is at most 10M.

**Notice:IR remote can be used only when the unit is set to IR remote function on.**

The picture of the IR remote:



### **AUTO RUN Mode**

Press SL/AV to switch between auto run mode and slave mode. Each press of this button will change to the next mode. When the LED bar goes into auto run mode, the built-in programs will run one after another in continuous loop, then press “+” and “-” buttons to adjust fade time. Press FS/SP button to enter the flash speed set mode, and then pressing “+” and “-” buttons to adjust it.

### **Select program Mode**

Press SELECT PROG button to cycle among static color select mode and built in program select mode. Each press of this button will change to the next mode.

1. When the LED bar goes into the static color mode, press “+” and “-” to select the 63 static colors. Press FS/SP to turn on/off flash effect to in this situation, pressing “+” and “-” buttons to adjust the flash speed.

2. When the LED bar goes into built in program select mode, press “+” and “-” to select the 22 built in programs. Press FS/SP button once to set the program running speed and press “+” or “-” to adjust it. Press FS/SP twice to enter the flash speed set mode, and then pressing “+” and “-” buttons to adjust flash speed. Press FS/SP the third time to enter the fade time set mode, and then pressing “+” and “-” buttons to adjust fade time.

### **Select light program mode**

Press R, G, B, W, A, UV buttons to choose R, G, B, W, A, UV colors and pressing “+” and “-” to adjust the intensity of the light. You can also press FS/SP to turn on flash and press “+” and “-” to adjust the flash speed.

### **M/S mode**

Press SL/AV button to switch between auto run mode and slave mode. Each press of this button will change to the next mode.

### **DMX MODE**

Press CH button to cycle among no DMX modes, DMX address set mode, DMX channels set mode and DMX delay mode. Each press of this mode will change to the next mode.

1. When the LED par goes into the DMX address set mode, you can press “+” or “-” to select the DMX address.
2. When the LED par goes into the NO DMX mode, you can press “+” or “-” to select the 3 no DMX mode.
3. When the LED par goes into the delay setting mode, you can press “+” or “-” to select the 5 delay modes.
4. When the LED par goes into the DMX channel set mode, you can press “+” or “-” to select the DMX channels.
  - If RED LED’ s glow you are in DMX Mode 1: 6 DMX Channels
  - If GREEN LED’ s glow you are in DMX Mode 2: 7 DMX Channels
  - If BLUE LED’ s glow you are in DMX Mode 3: 8 DMX Channels
  - If WHITE LED’ s glow you are in DMX Mode 4: 12 DMX Channels
  - If AMBER LED’ s glow you are in DMX Mode 5: 36 DMX Channels

#### **Set ADDR**

Press this button to set the DMX address or initialize the program, then the red, green, blue, white, amber and UV lights will flash 2~3 times. Please put in 3 number, for example, 1 2 3. After the red light is on, please put in the first number. After the first number is accessed the green light will be on, then put in the second number. When the blue light will be on, please put in the third number. After all the three number are put in, the red, green, blue, white, amber and UV lights will flash 2~3 times, which indicate that the DMX address is right and it go in to the DMX MODE automatically. If the address is wrong the red light will be on. New DMX address should be put in.

If the 951 are put in, red and green lights will be on. Put “0” to initialize the program. If the wrong address is put in, the red light will be on, indicating new address should be put in. Then the system will run in the auto run mode.