

# User's Manual



## 380w Beam Moving Head Light

## 1. PACKAGE CONTENTS

1×380w beam moving head light

1×Mounting bracket

1×AC power cord

1×User's manual

1× 3-pin Signal cord

## 2. MENU DISPLAY

LCD Display & Press key



## Menu Display

| Main Menu | Value            | Remark                                                                                                              |
|-----------|------------------|---------------------------------------------------------------------------------------------------------------------|
| Setting   | Run Mode         | DMX / Sound / Random /<br>F-Sleep 8 / F-Stand 8 /<br>Forward 0<br>/ Draw Up 8 / AUTO 4 / AUTO<br>3 / AUTO 2 / AUTO1 |
|           | DMX Address      | 000-512                                                                                                             |
|           | Channel Mode     | Std. 16CH / Ext. 20CH                                                                                               |
|           | Invert Pan       | ON / OFF                                                                                                            |
|           | Invert Tilt      | ON / OFF                                                                                                            |
|           | Pan-Tilt Swap    | ON / OFF                                                                                                            |
|           | Pan-Tilt Encoder | ON / OFF                                                                                                            |
|           | No DMX Signal    | KEEP / CLEAR                                                                                                        |
|           | Display          | ON / OFF                                                                                                            |
|           | Lamp On@ Startup | ON / OFF                                                                                                            |
|           | Linear Color     | ON / OFF                                                                                                            |
|           | Load Default     | /                                                                                                                   |
| Manual    | Color            | 000-255                                                                                                             |
|           | Shutter / Strobe | 000-255                                                                                                             |
|           | Dimmer           | 000-255                                                                                                             |
|           | Gobo             | 000-255                                                                                                             |
|           | Prism 1          | 000-255                                                                                                             |
|           | Prism 1 Rotation | 000-255                                                                                                             |
|           | Prism 2          | 000-255                                                                                                             |
|           | Prism 2 Rotation | 000-255                                                                                                             |
|           | Focus            | 000-255                                                                                                             |

|         |                       |                  |
|---------|-----------------------|------------------|
|         | Pan                   | 000-255          |
|         | Pan Fine              | 000-255          |
|         | Tilt                  | 000-255          |
|         | Tilt Fine             | 000-255          |
|         | Pan-Tilt Speed        | 000-255          |
|         | Colour Effect         | 000-255          |
|         | Lamp Control&Reset    | ON / OFF / Reset |
| System  | Ver:                  | /                |
|         | DMX Monitor           | /                |
|         | Total Fixture Hours   | /                |
|         | Partial Fixture Hours | /                |
|         | Total Lamp Hours      | /                |
|         | Partial Lamp Hours    | /                |
| Advance | Password              |                  |

### 3. TECHNICAL PARAMETER

Voltage: 100-240V 50/60Hz

Power: 550w

Light source: SIRIUS HRI Osram 371W

Lifespan: 2000H

Color temperature: 8000k

Prism: 2 prism, one is 8+16+24 prism, one is 16 prism

Gobo Wheel: 17 static gobo + bank

Color Wheel: 14 color wheel +blank

Dimming: 0-100% linear dimming

Beam Angle: 1°

Lens: High precision optical lens

Zoom Function

Wash effect: adjustable wash effects angle

Focus: Linear adjustment

Frost function

DMX Channel: 16/20CH

Control Mode: DMX512/Master-Slave/Sound/Auto

Connect: 3-pin DMX

Horizontal 540 °, resolution 16Bit

Vertically 270 °, resolution 16Bit

Display: LCD Display, switch between Chinese and English, 180 degree rotation

Protection class: IP20

Powercon

Size: 38x27x61cm

N.W.: 20kg

G.W.: 23kg

## 4. INSTALLATION



Power con in , DMX 3 pin in& out

NWTC  
BLUE SEA LIGHTING

## 5. DMX512 CHANNELS

| CHANNEL | CHANNEL MODE        |                                   |
|---------|---------------------|-----------------------------------|
|         | 16                  | 20                                |
| 1       | COLOUR WHEEL        | COLOUR WHEEL                      |
| 2       | STOP/STROBE         | STOP/STROBE                       |
| 3       | DIMMER              | DIMMER                            |
| 4       | STATIC GOBO CHANGE  | STATIC GOBO CHANGE                |
| 5       | PRISM1              | PRISM1                            |
| 6       | PRISM ROTATION1     | PRISM ROTATION1                   |
| 7       | PRISM2              | PRISM2                            |
| 8       | PRISM ROTATION2     | PRISM ROTATION2                   |
| 9       | FOCUS               | FOCUS                             |
| 10      | PAN                 | PAN                               |
| 11      | PAN FINE            | PAN FINE                          |
| 12      | TILT                | TILT                              |
| 13      | TILT FINE           | TILT FINE                         |
| 14      | PAN-TILT FINE       | PAN-TILT FINE                     |
| 15      | FROST               | FROST                             |
| 16      | LAMP CONTROL& RESET | LAMP CONTROL& RESET               |
| 17      |                     | NO                                |
| 18      |                     | COLOUR TIME                       |
| 19      |                     | DIMMER-PRISM-FROST<br>COLOUR TIME |
| 20      |                     | STATIC GOBO CHANGE<br>COLOUR TIME |

| BIT   | EFFECT                | NOTE                                                                                                                                                                                                                                                                                                                                                                 |
|-------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 255   | FAST FORWARD ROTATION |                                                                                                                                                                                                                                                                                                                                                                      |
| ..... | .....                 |                                                                                                                                                                                                                                                                                                                                                                      |
| 200   | SLOW FORWARD ROTATION |                                                                                                                                                                                                                                                                                                                                                                      |
| 199   | REVERSE SLOW ROTATION |                                                                                                                                                                                                                                                                                                                                                                      |
| ..... | .....                 |                                                                                                                                                                                                                                                                                                                                                                      |
| 150   | REVERSE FAST ROTATION |                                                                                                                                                                                                                                                                                                                                                                      |
| 145   | COOL COLOR+ WHITE     |                                                                                                                                                                                                                                                                                                                                                                      |
| 140   | COOL COLOR            |                                                                                                                                                                                                                                                                                                                                                                      |
| 135   | WARMING +COOL         | <p>The value is always multiple of 5.</p> <p>Linear change:<br/>The color ratio can be adjusted. For example, when the value is 5, the white is 50% and dark red is 50%; if the value is 4, the white is 60% and dark red is 40%; if the value is 6, the white is 40% and dark red is 60%.</p> <p>Nonlinear change:<br/>The color is adjusted in units of color.</p> |
| 130   | WARMING               |                                                                                                                                                                                                                                                                                                                                                                      |
| 125   | ORANGE + WARMING      |                                                                                                                                                                                                                                                                                                                                                                      |
| 120   | ORANGE                |                                                                                                                                                                                                                                                                                                                                                                      |
| 115   | BLUE + ORANGE         |                                                                                                                                                                                                                                                                                                                                                                      |
| 110   | BLUE                  |                                                                                                                                                                                                                                                                                                                                                                      |
| 105   | YELLOW + BLUE         |                                                                                                                                                                                                                                                                                                                                                                      |
| 100   | YELLOW                |                                                                                                                                                                                                                                                                                                                                                                      |
| 95    | MAGENTA + YELLOW      |                                                                                                                                                                                                                                                                                                                                                                      |
| 90    | MAGENTA               |                                                                                                                                                                                                                                                                                                                                                                      |
| 85    | YELLOW + MAGENTA      |                                                                                                                                                                                                                                                                                                                                                                      |
| 80    | YELLOW                |                                                                                                                                                                                                                                                                                                                                                                      |
| 75    | UV + YELLOW           |                                                                                                                                                                                                                                                                                                                                                                      |
| 70    | UV                    |                                                                                                                                                                                                                                                                                                                                                                      |
| 65    | UV + BLUE             |                                                                                                                                                                                                                                                                                                                                                                      |
| 60    | BLUE                  |                                                                                                                                                                                                                                                                                                                                                                      |

|    |                     |                                                                                            |
|----|---------------------|--------------------------------------------------------------------------------------------|
| 55 | PINK + BLUE         | The “Linear” and “Nonlinear” selections of the patches can be made through the setup menu. |
| 50 | PINK                |                                                                                            |
| 45 | PINK + LIGHT GREEN  |                                                                                            |
| 40 | LIGHT GREEN         |                                                                                            |
| 35 | GREEN + LIGHT GREEN |                                                                                            |
| 30 | GREEN               |                                                                                            |
| 25 | ORANGE + GREEN      |                                                                                            |
| 20 | ORANGE              |                                                                                            |
| 15 | RED + ORANGE        |                                                                                            |
| 10 | RED                 |                                                                                            |
| 5  | WHITE + RED         |                                                                                            |
| 0  | WHITE               |                                                                                            |

➤ **STOBE – CHANNEL2**

| BIT         | EFFECT               | NOTE                         |
|-------------|----------------------|------------------------------|
| 252-25<br>5 | OPEN                 | CONTROLLED BY DIMMER CHANNEL |
| 239-25<br>1 | RANDOM FAST STROBE   |                              |
| 226-23<br>8 | RANDOM MEDIUM STROBE |                              |
| 213-22<br>5 | RANDOM SLOW STROBE   |                              |
| 208-21<br>2 | OPEN                 | CONTROLLED BY DIMMER CHANNEL |
| 207         | FAST PULSATION       |                              |
| .....       | .....                |                              |
| 108         | SLOW PULSATION       |                              |

|             |             |                                 |
|-------------|-------------|---------------------------------|
| 104-10<br>7 | OPEN        | CONTROLLED BY DIMMER<br>CHANNEL |
| 103         | FAST STROBE |                                 |
| .....       | .....       |                                 |
| 4           | SLOW STROBE |                                 |
| 0-3         | CLOSED      |                                 |

➤ **DIMMER – CHANNEL 3**

| BIT   | EFFECT | NOTE |
|-------|--------|------|
| 255   | 100%   |      |
| ..... | .....  |      |
| 0     | 0%     |      |

➤ **STATIC GOBO CHANGE – CHANNEL4**

| BIT   | EFFECT                   | NOTE |
|-------|--------------------------|------|
| 255   | FAST ROTATION            |      |
| ..... | .....                    |      |
| 201   | SLOW ROTATION            |      |
| 200   | SLOW ROTATION (REVERSE)  |      |
| ..... | .....                    |      |
| 141   | FASTROTATION (REVERSE)   |      |
| 140   | GOBO 13 FAST SHAKE       |      |
| ..... | .....                    |      |
| 136   | GOBO 13 SLOW SHAKE       |      |
| 135   | GOBO 12 FAST SHAKE       |      |
| ..... | .....                    |      |
| 131   | GOBO 12 SLOW SHAKE       |      |
| ..... | .....(GOBO 3 TO GOBO 11) |      |

|       |                   |                                                                                    |
|-------|-------------------|------------------------------------------------------------------------------------|
| 84    | GOBO 2 FAST SHAKE |                                                                                    |
| ..... | .....             |                                                                                    |
| 80    | GOBO 2 SLOW SHAKE |                                                                                    |
| 79    | GOBO 1 FAST SHAKE |                                                                                    |
| ..... | .....             |                                                                                    |
| 75    | GOBO 1 SLOW SHAKE |                                                                                    |
| 74    | WHITE FAST SHAKE  |                                                                                    |
| ..... | .....             |                                                                                    |
| 70    | WHITE SLOW SHAKE  |                                                                                    |
| 65    | GOBO 13           |                                                                                    |
| 60    | GOBO 12           |  |
| 55    | GOBO 11           |                                                                                    |
| 50    | GOBO 10           |                                                                                    |
| 45    | GOBO 9            |                                                                                    |
| 40    | GOBO 8            |                                                                                    |
| 35    | GOBO 7            |                                                                                    |
| 30    | GOBO 6            |                                                                                    |
| 25    | GOBO 5            |                                                                                    |
| 20    | GOBO 4            |                                                                                    |
| 15    | GOBO 3            |                                                                                    |
| 10    | GOBO 2            |                                                                                    |
| 5     | GOBO 1            |                                                                                    |
| 0     | WHITE             |                                                                                    |

➤ **PRISM1— CHANNEL 5**

| BIT    | EFFECT         | NOTE |
|--------|----------------|------|
| 128-25 | PRISM INSERTED |      |

|       |                |  |
|-------|----------------|--|
| 5     |                |  |
| 0-127 | PRISM EXCLUDED |  |

➤ **PRISM1ROTATION— CHANNEL 6**

| BIT     | EFFECT                 | NOTE |
|---------|------------------------|------|
| 255     | FASTROTATION           |      |
| .....   | .....                  |      |
| 193     | SLOWROTATION           |      |
| 191-192 | STOP                   |      |
| 190     | SLOWROTATION (REVERSE) |      |
| .....   | .....                  |      |
| 128     | FASTROTATION (REVERSE) |      |
| 0-127   | POSITION               |      |

➤ **PRISM2 — CHANNEL7**

| BIT     | EFFECT         | NOTE |
|---------|----------------|------|
| 128-255 | PRISM INSERTED |      |
| 5       |                |      |
| 0-127   | PRISM EXCLUDED |      |

➤ **PRISM2ROTATION — CHANNEL 8**

| BIT   | EFFECT       | NOTE |
|-------|--------------|------|
| 255   | FASTROTATION |      |
| ..... | .....        |      |
| 193   | SLOWROTATION |      |

|         |                        |  |
|---------|------------------------|--|
| 191-192 | STOP                   |  |
| 190     | SLOWROTATION (REVERSE) |  |
| .....   | .....                  |  |
| 128     | FASTROTATION (REVERSE) |  |
| 0-127   | POSITION               |  |

➤ **FOCUS – CHANNEL 9**

| BIT   | EFFECT    | NOTE |
|-------|-----------|------|
| 255   | FOCUS100% |      |
| ..... | .....     |      |
| 0     | FOCUS0%   |      |

➤ **PAN - channel 10**



➤ **PAN FINE - channel 11**



➤ **TILT - channel 12**



➤ **TILT FINE - channel 13**



➤ **PAN-TITL TIME - channel 14**

| BIT | EFFECT        | NOTE     |
|-----|---------------|----------|
| 14  | Pan-Tilt time | 255 SLOW |
|     |               | .....    |
|     |               | 0 FAST   |

➤ **FROST— CHANNEL15**

| BIT     | EFFECT   | NOTE |
|---------|----------|------|
| 128-255 | FROST    |      |
| 0-127   | NO FROST |      |

➤ **LAMP CONTROL&RESET— CHANNEL16**

| BIT     | EFFECT         | NOTE                                                                       |
|---------|----------------|----------------------------------------------------------------------------|
| 250-255 | COMPLETE RESET | Reset is activated passing through the unused range and staying 5 seconds. |
| BIT     | EFFECT         | NOTE                                                                       |
| 200-205 | LAMP ON        | Lamp switch passing through the unused range and staying 5 seconds.        |
| 100-105 | LAMP OFF       |                                                                            |
| 0-99    | UNUSED RANGE   |                                                                            |

➤ **RFU channel 17**

➤ **TIMING CHANNELS**

|    | Timing Channel | Channel function    | Remark |            |
|----|----------------|---------------------|--------|------------|
| 18 | Colour time    | Colour wheel        | 255    | SLOW SPEED |
| 19 | Beam time      | Dimmer-Prism -Frost | .....  | .....      |
| 20 | Gobo time      | Static Gobo         | 0      | FAST SPEED |