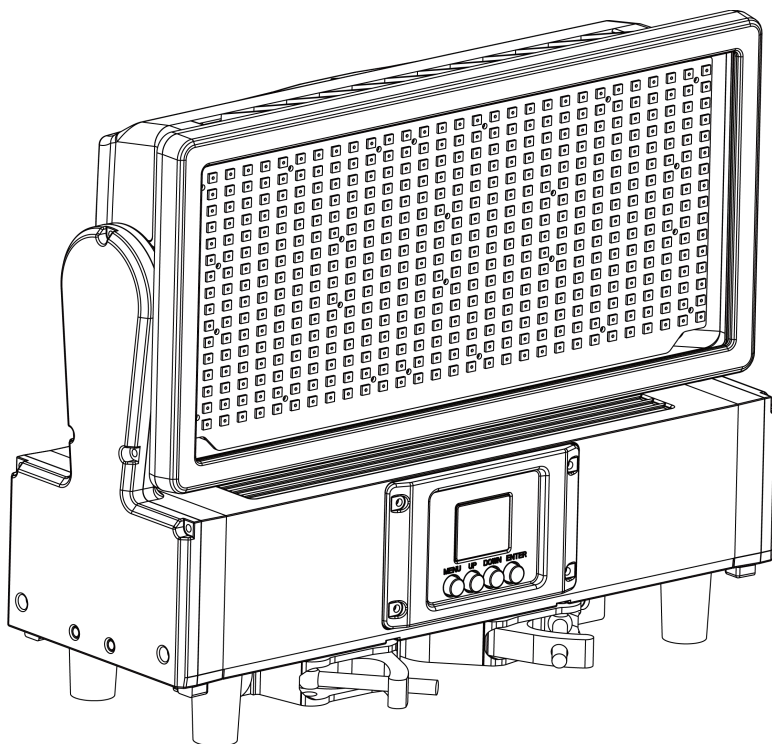


# S1200

---

## IP Moving Frost Strobe



### User Manual

Please read manual carefully before use

# CONTENTS

|                                                                     |    |
|---------------------------------------------------------------------|----|
| 1. Safety Instructions .....                                        | 2  |
| 2. Technical Specification .....                                    | 4  |
| 3. DMX Set Up .....                                                 | 6  |
| 4. Display .....                                                    | 7  |
| 5. Menu .....                                                       | 7  |
| 6. LUX Data .....                                                   | 10 |
| 7. DMX Channel List .....                                           | 11 |
| 8. Mounting .....                                                   | 30 |
| 9. Product Size .....                                               | 31 |
| 10. Attention .....                                                 | 31 |
| 11. Trouble Shooting .....                                          | 32 |
| A. The unit does not work, no light and the fan does not work ..... | 32 |
| B. Not responding to DMX controller .....                           | 32 |
| C. One of the channels is not working well .....                    | 32 |
| 12. Fixture Cleaning .....                                          | 33 |

Thank you for choosing our LED lights. Each facility has been rigorously tested. Please check whether the facility has been damaged during transportation. If you find any parts are missing or broken, please contact the manufacturer immediately. Please do not return the product without any notice!

# 1.Safety Instructions



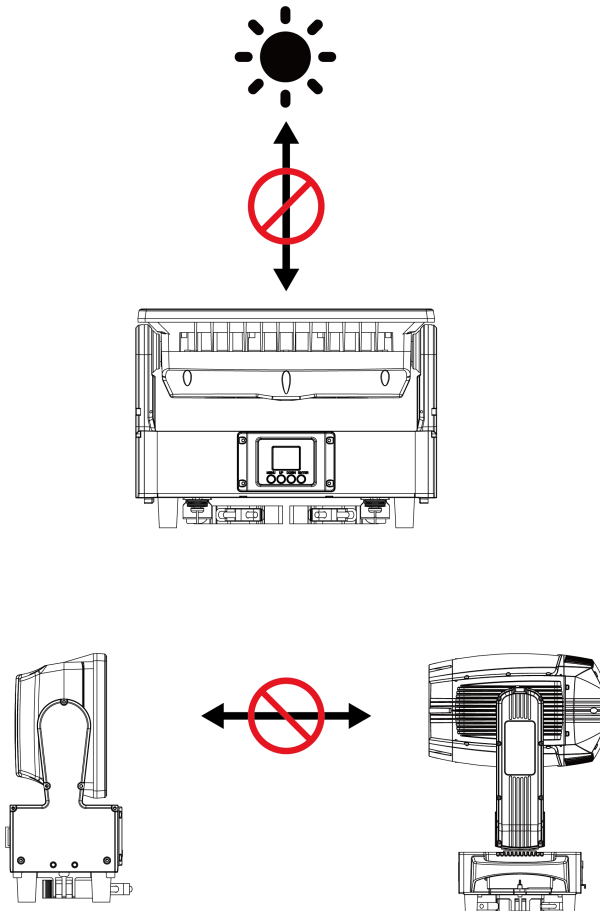
Please read this manual carefully, which includes important information on installation, use and maintenance.

## Attention

- Please keep this USER MANUAL for future consultation. If you sell the facility to another user, be sure that they also receive this USER MANUAL.
- Please open and check in details and make sure there is no transportation damage.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the facility.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- The facility must be installed in a location with adequate ventilation, at least 50 cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Make sure the power is disconnected before removing the facility.
- Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cable when fixes this facility. Do not handle the facility by taking its head only, but always by taking its base.
- Maximum ambient temperature is 40 °C . Do not operate it where the temperature is higher than this.
- Please stop using the facility for serious operating problems. Stop using the facility immediately. Never try to repair the facility by yourself, but be a professional technician. Please contact the supplier's service department

for technical support.

- Do not touch any wire during operation as high voltage might be causing electric shock.
- When the housing or lens is damaged, it must be replaced.
- Direct sunlight or any other strong light source penetrating the lens of the light will cause serious internal damage to the facility. During unpacking, installation, use and long-term outdoor idleness, it is forbidden to expose the lens of the facility to direct sunlight or any other strong light source at any angle. It is forbidden to aim the beam of one light directly at another light.



## Caution

There are no accessories available, do not open the housing and try to repair the facilities yourself. Please contact our company for after service.

## Installation

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

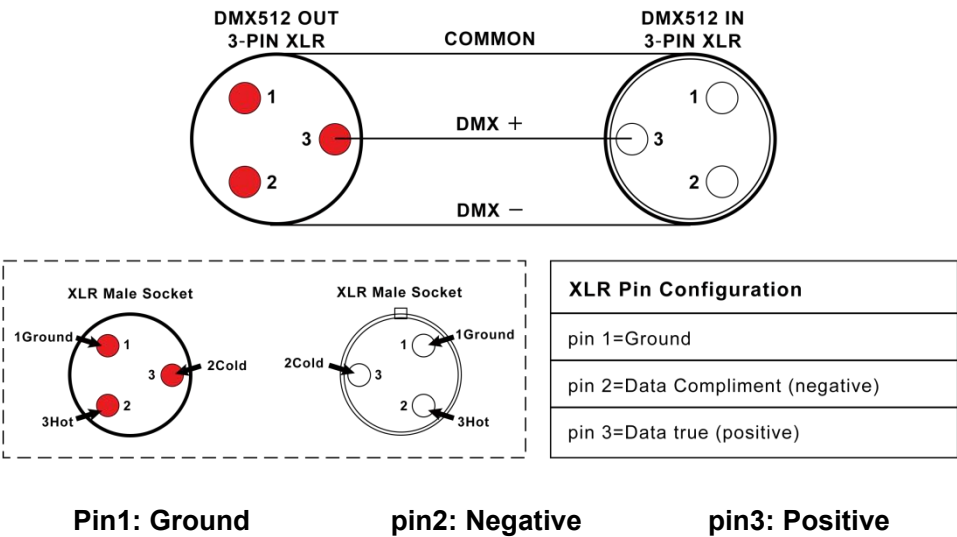
The facility must be installed by professionals, and keep it far away from fire, walking road, and easy touched place.

## 2. Technical Specification

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Light Source       | 480pcs 1W RGBWLED(lifetime≥50000H)                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Input Voltage      | 100-240VAC 50/60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Power Consumption  | 550W±5%, PF≥0.95                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Beam Angle         | 120°, Electronic frosted glass                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Tilt               | 190°, 16-bit accuracy                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Control Protocol   | DMX512/ Art-Net(optional)/ RDM                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Electronic Control | <ol style="list-style-type: none"><li>1. Fixture Reset: The fixture can be reset via the onboard menu or lighting console.</li><li>2. Constant-Current Drive: Constant-current driving technology is adopted.</li><li>3. Temperature Monitoring: The temperature sensor monitors the fixture temperature and automatically adjusts the light source power.</li><li>4. Fixture Information: Supports viewing fixture operating information and parameters.</li></ol> |

|                       |                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|                       | 5. Intelligent Fan Control: The fan speed is automatically adjusted according to the fixture temperature.                                  |
| DMX Channel           | 10/ 16/ 23/ 28/ 48/ 8+40CH (DMX+Art-Net)                                                                                                   |
| IP Rated              | IP65                                                                                                                                       |
| Display               | TFT 1.8 inch display, 180° reversible                                                                                                      |
| Data In/ Out          | 3-pin XLR/ 5-pin(optional)                                                                                                                 |
| Safety Protection     | over-current protection, over-voltage protection, over-temperature protection, Safety Cable                                                |
| Installation          | Floor Standing or Suspended/Hanging Installation.                                                                                          |
| Operating Temperature | -20℃ ~ 55℃                                                                                                                                 |
| Power Linking         | 2.5mm <sup>2</sup> cable--230V 6pcs MAX., 110V 3pcs MAX.                                                                                   |
| Weight& Dimension     | N.W. 12.9KG, 420*163*347mm                                                                                                                 |
| Carton Package        | 50.5*39*28CM, 1in1, G.W.: 15 KG                                                                                                            |
| Flight Case           | 94*60*56 CM, G.W.: 86.4 KG                                                                                                                 |
| Functions             | 16-bit accuracy;<br>Fast strobe 1~25Hz;<br>10-segment control, preset color macros;<br>Preset effect macros(WASH, segment control, strobe) |
| Accessories           | 1* XLR cable                                                                                                                               |
|                       | 1* power cable                                                                                                                             |
|                       | 1* user manual                                                                                                                             |

### 3. DMX Set Up



#### DMX Connection

To ensure optimal transmission of DMX data, please connect facilities in the shortest way. The connection order won't affect the DMX address code. For example, if the address code is set to 1, no matter where the facility is connected, its address code will not change. This is determined by the principle of the DMX controller.

#### Operation method

You can operate in the following three modes:

- Auto mode - the light can automatically complete all color changes
- DMX control mode - each light can be individually controlled by a standard DMX512 console
- Master mode - any light can work as a host in any of the above modes, and the other lights will work synchronously as slaves.

## 4. Display

There are five buttons on the LED panel: ESC, UP, DOWN, ENTER and SAVE.

Display

  
**MENU**

  
**UP**

  
**DOWN**

  
**ENTER**

**MENU**

**UP/ DOWN**

**ENTER**

to exit or back to the previous menu  
to navigate through menu options or adjust values  
to save the adjusted settings/ values and back to the previous menu

After powering on, the facility will automatically return to the last operation when it was powered off, then get into standby status. For more details, please refer to the information below↓

## 5. Menu

|           |                |                              |  |  |                            |
|-----------|----------------|------------------------------|--|--|----------------------------|
|           | 1. Mic Sense   | 001--100                     |  |  | Mic sensitivity adjustment |
|           | 2. Language    | 1. English                   |  |  | Language selection         |
|           |                | 2. Chinese                   |  |  |                            |
|           | 3. No Signal   | 1. BlackOut    2. Hold       |  |  |                            |
|           | 4. Fan Set     | 1. Auto    2. Low    3. High |  |  |                            |
|           | 5. Dimmer Mode | 1. Mode 1                    |  |  | Dimmer mode selection      |
|           |                | 2. Mode 2                    |  |  |                            |
|           |                | 3. Mode 3                    |  |  |                            |
| 4. Mode 4 |                |                              |  |  |                            |
| 5. Mode 5 |                |                              |  |  |                            |

|        |                |                                                        |                                       |
|--------|----------------|--------------------------------------------------------|---------------------------------------|
|        | 6. Gamma Curve | 1. Gamma2.0                                            |                                       |
|        |                | 2. Gamma2.2                                            |                                       |
|        |                | 3. Gamma2.4                                            |                                       |
|        |                | 4. Gamma2.6                                            |                                       |
|        | 7. ArtNet Set  | 1. ArtNet Enable: 1. ON 2. OFF                         |                                       |
|        |                | 2. Universe: 0---255                                   |                                       |
|        |                | 3. IP Mode: A.2.X.X.X auto<br>B.10.X.X.X auto C.Custom |                                       |
|        |                | 4. Custom IP:<br>192.168.000.001                       |                                       |
|        |                | 5. SubNetMask:<br>255.000.000.000                      |                                       |
|        | 8. Reset       | 1. Yes                                                 | reset                                 |
|        |                | 2. No                                                  |                                       |
|        | 9. Default     | 2. Yes                                                 | Reset to factory default              |
|        |                | 3. No                                                  |                                       |
|        | 10. Adjust     | 1. Tilt: 0-255                                         | Password: ****                        |
|        |                | 2. Red: 0-255                                          |                                       |
|        |                | 3. Green: 0-255                                        |                                       |
|        |                | 4. Blue: 0-255                                         |                                       |
|        |                | 5. White: 0-255                                        |                                       |
| Addr   | 001--512       |                                                        | Address Code<br>001--512              |
| Rever  | 1. Tilt        | 1. YES                      2. NO                      |                                       |
|        | 2. Display     | 1. YES                      2. NO                      |                                       |
|        |                | 1. YES                      2. NO                      |                                       |
|        | 3. Pixel       | 1. YES                      2. NO                      |                                       |
|        |                | 1. YES                      2. NO                      |                                       |
| Inform | 1. CH Value    |                                                        | Display All<br>Channel<br>Information |
|        | 2. Tem**°C     |                                                        | Display LED<br>Board<br>Temperature   |

|                          |                |                                                                       |                   |                                |
|--------------------------|----------------|-----------------------------------------------------------------------|-------------------|--------------------------------|
|                          | 3. Version     | 1.S1000-DIS-NET-A-1.0 Soft T***                                       |                   | Software Version               |
|                          |                | 2.2600-MOTO-1.0 Soft T***                                             |                   |                                |
|                          |                | 3.3120100171A-KZB10 Soft T***                                         |                   |                                |
|                          | 4.IP           | IP192.168.000.001                                                     |                   | Default IP Address             |
|                          | 5. Mask        | Mask255.000.000.000                                                   |                   | Default Subnet Mask            |
|                          | 6. Use time    | *****H                                                                |                   | Display Fixture Operating Time |
|                          | 7. Clear time  | Enter the password “****” and press OK to reset the Use time to zero. |                   |                                |
| Mode                     | 1. DMX512      |                                                                       |                   | Control Mode setting           |
|                          | 2. Auto        | 1. Master 2. Alone                                                    |                   |                                |
|                          | 3. Sound       | 1. Master 2. Alone                                                    |                   |                                |
|                          | 4. Manual      | 1. Master<br>2. Alone                                                 | 1. Tilt: 0--255   | Manual control                 |
|                          |                |                                                                       | 2. Frost: 0--255  |                                |
|                          |                |                                                                       | 3. Red: 0--255    |                                |
|                          |                |                                                                       | 4. Green: 0--255  |                                |
|                          |                |                                                                       | 5. Blue: 0--255   |                                |
|                          |                |                                                                       | 6. White: 0-255   |                                |
|                          |                |                                                                       | 7. Strobe: 0--255 |                                |
| 8. LED Auto: 0--255      |                |                                                                       |                   |                                |
| 9.LED Auto Speed: 0--255 |                |                                                                       |                   |                                |
| Channel                  | 1. 10 Channels |                                                                       |                   | Channel Mode selection         |
|                          | 2. 16 Channels |                                                                       |                   |                                |
|                          | 3. 23 Channels |                                                                       |                   |                                |
|                          | 4. 28          |                                                                       |                   |                                |

|  |                |                    |  |
|--|----------------|--------------------|--|
|  | Channels       |                    |  |
|  | 5. 48 Channels |                    |  |
|  | 6. 40 Channels | 8+40CH DMX+Art-Net |  |

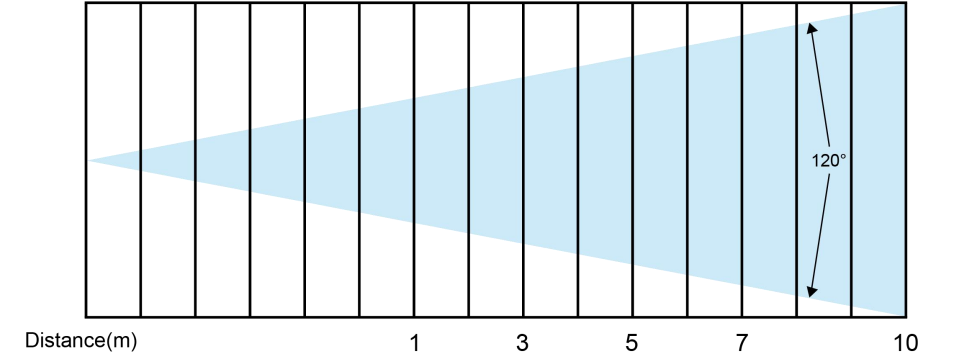
6. LUX Data

**BeamAngle=120°(Frost)**

|         |      |      |      |      |      |
|---------|------|------|------|------|------|
| R lux   | 1060 | 125  | 47.1 | 24   | 11.8 |
| G lux   | 2250 | 264  | 93.8 | 47.9 | 23.4 |
| B lux   | 354  | 41.5 | 14.7 | 7.5  | 3.7  |
| W lux   | 2970 | 340  | 120  | 61.2 | 30   |
| ALL lux | 6510 | 750  | 265  | 135  | 66.3 |

**BeamAngle=120°(No Frost)**

|         |      |     |      |      |      |
|---------|------|-----|------|------|------|
| R lux   | 1220 | 138 | 50   | 25.5 | 12.5 |
| G lux   | 2570 | 295 | 106  | 54.1 | 26.5 |
| B lux   | 418  | 48  | 17.2 | 8.8  | 4.3  |
| W lux   | 3760 | 434 | 154  | 78.6 | 38.5 |
| ALL lux | 7680 | 888 | 320  | 163  | 80   |



## 7. DMX Channel List

### ► 10CH Mode

| CH | Function      | DMX Value | Description                                              |
|----|---------------|-----------|----------------------------------------------------------|
| 1  | Tilt          | 0--255    | Tilt movement control                                    |
| 2  | Tilt Fine     | 0--255    | Tilt fine-adjustment                                     |
| 3  | Tilt Speed    | 0--255    | from fast to slow                                        |
| 4  | Master Dimmer | 0--255    | Linear Dimming from dark to bright                       |
| 5  | Strobe        | 0--3      | LEDs ON, No Strobe                                       |
|    |               | 4--203    | Synchronized Strobe Speed:<br>Slow to Fast (1 Hz--25 Hz) |
|    |               | 204--255  | Random Strobe                                            |
| 6  | Frost         | 0--255    | Frost Effects                                            |
| 7  | R Dimmer      | 0--255    | Linear Dimming from dark to bright                       |
| 8  | G Dimmer      | 0--255    | Linear Dimming from dark to bright                       |
| 9  | B Dimmer      | 0--255    | Linear Dimming from dark to bright                       |
| 10 | W Dimmer      | 0--255    | Linear Dimming from dark to bright                       |

## ► 16CH Mode

| CH | Function           | DMX Value | Description                                           |
|----|--------------------|-----------|-------------------------------------------------------|
| 1  | Tilt               | 0--255    | Tilt movement control                                 |
| 2  | Tilt Fine          | 0--255    | Tilt fine-adjustment                                  |
| 3  | Tilt Speed         | 0--255    | from fast to slow                                     |
| 4  | Master Dimmer      | 0--255    | Linear Dimming from dark to bright                    |
| 5  | Master Dimmer Fine | 0--255    | Linear Dimming from dark to bright                    |
| 6  | Strobe             | 0--3      | LEDs ON, No Strobe                                    |
|    |                    | 4--203    | Synchronized Strobe Speed: Slow to Fast (1 Hz--25 Hz) |
|    |                    | 204--255  | Random Strobe                                         |
| 7  | Frost              | 0--255    | Frost Effects                                         |
| 8  | R Dimmer           | 0--255    | Linear Dimming from dark to bright                    |
| 9  | G Dimmer           | 0--255    | Linear Dimming from dark to bright                    |
| 10 | B Dimmer           | 0--255    | Linear Dimming from dark to bright                    |
| 11 | W Dimmer           | 0--255    | Linear Dimming from dark to bright                    |
| 12 | Effects            | 0--9      | No Function                                           |
|    |                    | 10--14    | Dynamic Monochrome Effect<br>1                        |

| CH | Function                                                       | DMX Value                           | Description                       |
|----|----------------------------------------------------------------|-------------------------------------|-----------------------------------|
|    |                                                                | 15--19                              | Dynamic Monochrome Effect<br>2    |
|    |                                                                | .....(1 Effect per<br>5 DMX Values) | .....                             |
|    |                                                                | 110--115                            | Dynamic Monochrome Effect<br>21   |
|    |                                                                | 116--119                            | Dynamic Monochrome Effect<br>22   |
|    |                                                                | 120--124                            | Dynamic Color-Mixing Effect<br>1  |
|    |                                                                | 125--129                            | Dynamic Color-Mixing Effect<br>2  |
|    |                                                                | .....(1 Effect per<br>5 DMX Values) | .....                             |
|    |                                                                | 210--214                            | Dynamic Color-Mixing Effect<br>19 |
|    |                                                                | 215--219                            | Dynamic Color-Mixing Effect<br>20 |
|    |                                                                | 220--255                            | Reserved channel                  |
| 13 | Scrolling<br>Effect(Works in<br>conjunction with<br>CH12)      | 0--255                              | Scrolling Effect                  |
| 14 | Dynamic Effects<br>Speed (Used in<br>conjunction with<br>CH12) | 0--9                                | No Function                       |
|    |                                                                | 10--132                             | Forward, Fast to Slow             |
|    |                                                                | 133--255                            | Reverse, Slow to Fast             |
| 15 | Effect Fade                                                    | 0--9                                | No Function                       |
|    |                                                                | 10--132                             | Fast Fade-In / Slow Fade-Out      |

| CH | Function  | DMX Value                                   | Description                  |
|----|-----------|---------------------------------------------|------------------------------|
|    |           | 133--255                                    | Slow Fade-In / Slow Fade-Out |
| 16 | Functions | Hold 3s to activate the following functions |                              |
|    |           | 0-29                                        | Reserved channel             |
|    |           | 30-39                                       | Dimming Curve: Gamma 2.0     |
|    |           | 40-49                                       | Dimming Curve: Gamma 2.2     |
|    |           | 50-59                                       | Dimming Curve: Gamma 2.4     |
|    |           | 60-69                                       | Dimming Curve: Gamma 2.6     |
|    |           | 70-89                                       | Reserved channel             |
|    |           | 90-99                                       | Dimming Mode 1               |
|    |           | 100-109                                     | Dimming Mode 2               |
|    |           | 110-119                                     | Dimming Mode 3               |
|    |           | 120-129                                     | Dimming Mode 4               |
|    |           | 130-139                                     | Dimming Mode 5               |
|    |           | 140-159                                     | Reserved channel             |
|    |           | 160-169                                     | Pixel Invert: No             |
|    |           | 170-179                                     | Pixel Invert: Yes            |

| CH | Function | DMX Value | Description      |
|----|----------|-----------|------------------|
|    |          | 180-189   | Reserved channel |
|    |          | 190-194   | Fan Mode- Auto   |
|    |          | 195-199   | Fan Mode- Low    |
|    |          | 200-204   | Fan Mode- High   |
|    |          | 205-250   | Reserved channel |
|    |          | 251--255  | Reset            |

## ► 23CH Mode

| CH | Function           | DMX Value | Description                                             |
|----|--------------------|-----------|---------------------------------------------------------|
| 1  | Tilt               | 0--255    | Tilt movement control                                   |
| 2  | Tilt Fine          | 0--255    | Tilt fine-adjustment                                    |
| 3  | Tilt Speed         | 0--255    | from fast to slow                                       |
| 4  | Master Dimmer      | 0--255    | Linear Dimming from dark to bright                      |
| 5  | Master Dimmer Fine | 0--255    | Linear Dimming from dark to bright                      |
| 6  | Strobe             | 0--3      | LEDs ON, No Strobe                                      |
|    |                    | 4--203    | Synchronized Strobe Speed:<br>Slow to Fast (1 Hz–25 Hz) |

| CH | Function      | DMX Value                        | Description                    |
|----|---------------|----------------------------------|--------------------------------|
|    |               | 204--255                         | Random Strobe                  |
| 7  | Frost         | 0--255                           | Frost Effects                  |
| 8  | R Dimmer      | 0--255                           | R Dimming                      |
| 9  | G Dimmer      | 0--255                           | G Dimming                      |
| 10 | B Dimmer      | 0--255                           | B Dimming                      |
| 11 | W Dimmer      | 0--255                           | W Dimming                      |
| 12 | Color Macros  | 0--9                             | No Function                    |
|    |               | 10--19                           | Color Macro 1                  |
|    |               | 20--29                           | Color Macro 2                  |
|    |               | .....(1 color per 10 DMX Values) | .....                          |
|    |               | 240--249                         | Color Macro 24                 |
|    |               | 250--255                         | Color Macro 25                 |
| 13 | Effect Macros | 0--9                             | No Function                    |
|    |               | 10--14                           | Dynamic Monochrome Effect<br>1 |
|    |               | 15--19                           | Dynamic Monochrome Effect<br>2 |
|    |               | .....(1 Effect per 5 DMX Values) | .....                          |

| CH | Function                                               | DMX Value                        | Description                    |
|----|--------------------------------------------------------|----------------------------------|--------------------------------|
|    |                                                        | 110--115                         | Dynamic Monochrome Effect 21   |
|    |                                                        | 116--119                         | Dynamic Monochrome Effect 22   |
|    |                                                        | 120--124                         | Dynamic Color-Mixing Effect 1  |
|    |                                                        | 125--129                         | Dynamic Color-Mixing Effect 2  |
|    |                                                        | .....(1 Effect per 5 DMX Values) | .....                          |
|    |                                                        | 210--214                         | Dynamic Color-Mixing Effect 19 |
|    |                                                        | 215--219                         | Dynamic Color-Mixing Effect 20 |
|    |                                                        | 220--255                         | Reserved channel               |
| 14 | Scrolling Effect(Works in conjunction with CH13)       | 0--255                           | Scrolling Effect               |
| 15 | Dynamic Effects Speed (Used in conjunction with CH13)) | 0--9                             | No Function                    |
|    |                                                        | 10--132                          | Forward, Fast to Slow          |
|    |                                                        | 133--255                         | Reverse, Slow to Fast          |
| 16 | Effect Fade                                            | 0--9                             | No Function                    |
|    |                                                        | 10--132                          | Fast Fade-In / Slow Fade-Out   |
|    |                                                        | 133--255                         | Slow Fade-In / Slow Fade-Out   |
| 17 | Background Dimmer                                      | 0--255                           | 0-100% Background Dimming      |

| CH | Function            | DMX Value                                   | Description              |
|----|---------------------|---------------------------------------------|--------------------------|
| 18 | Background Strobe   | 0--255                                      | Background Strobe        |
| 19 | Effect Background R | 0--255                                      | Effect Background Red    |
| 20 | Effect Background G | 0--255                                      | Effect Background Green  |
| 21 | Effect Background B | 0--255                                      | Effect Background Blue   |
| 22 | Effect Background W | 0--255                                      | Effect Background White  |
| 23 | Functions           | Hold 3s to activate the following functions |                          |
|    |                     | 0-29                                        | Reserved channel         |
|    |                     | 30-39                                       | Dimming Curve: Gamma 2.0 |
|    |                     | 40-49                                       | Dimming Curve: Gamma 2.2 |
|    |                     | 50-59                                       | Dimming Curve: Gamma 2.4 |
|    |                     | 60-69                                       | Dimming Curve: Gamma 2.6 |
|    |                     | 70-89                                       | Reserved channel         |
|    |                     | 90-99                                       | Dimming Mode 1           |
|    |                     | 100-109                                     | Dimming Mode 2           |
|    |                     | 110-119                                     | Dimming Mode 3           |
|    |                     | 120-129                                     | Dimming Mode 4           |

| CH | Function | DMX Value | Description       |
|----|----------|-----------|-------------------|
|    |          | 130-139   | Dimming Mode 5    |
|    |          | 140-159   | Reserved channel  |
|    |          | 160-169   | Pixel Invert: No  |
|    |          | 170-179   | Pixel Invert: Yes |
|    |          | 180-189   | Reserved channel  |
|    |          | 190-194   | Fan Mode- Auto    |
|    |          | 195-199   | Fan Mode- Low     |
|    |          | 200-204   | Fan Mode- High    |
|    |          | 205-250   | Reserved channel  |
|    |          | 251--255  | Reset             |

## ► 28CH Mode

| CH | Function   | DMX Value | Description           |
|----|------------|-----------|-----------------------|
| 1  | Tilt       | 0--255    | Tilt movement control |
| 2  | Tilt Fine  | 0--255    | Tilt fine-adjustment  |
| 3  | Tilt Speed | 0--255    | from fast to slow     |

| CH | Function           | DMX Value                                   | Description                                           |
|----|--------------------|---------------------------------------------|-------------------------------------------------------|
| 4  | Master Dimmer      | 0--255                                      | Linear Dimming from dark to bright                    |
| 5  | Master Dimmer Fine | 0--255                                      | Linear Dimming from dark to bright                    |
| 6  | Strobe             | 0--3                                        | LEDs ON, No Strobe                                    |
|    |                    | 4--203                                      | Synchronized Strobe Speed: Slow to Fast (1 Hz--25 Hz) |
|    |                    | 204--255                                    | Random Strobe                                         |
| 7  | Frost              | 0--255                                      | Frost Effects                                         |
| 8  | Functions          | Hold 3s to activate the following functions |                                                       |
|    |                    | 0-29                                        | Reserved channel                                      |
|    |                    | 30-39                                       | Dimming Curve: Gamma 2.0                              |
|    |                    | 40-49                                       | Dimming Curve: Gamma 2.2                              |
|    |                    | 50-59                                       | Dimming Curve: Gamma 2.4                              |
|    |                    | 60-69                                       | Dimming Curve: Gamma 2.6                              |
|    |                    | 70-89                                       | Reserved channel                                      |
|    |                    | 90-99                                       | Dimming Mode 1                                        |
|    |                    | 100-109                                     | Dimming Mode 2                                        |
|    |                    | 110-119                                     | Dimming Mode 3                                        |

| CH | Function      | DMX Value | Description       |
|----|---------------|-----------|-------------------|
|    |               | 120-129   | Dimming Mode 4    |
|    |               | 130-139   | Dimming Mode 5    |
|    |               | 140-159   | Reserved channel  |
|    |               | 160-169   | Pixel Invert: No  |
|    |               | 170-179   | Pixel Invert: Yes |
|    |               | 180-189   | Reserved channel  |
|    |               | 190-194   | Fan Mode- Auto    |
|    |               | 195-199   | Fan Mode- Low     |
|    |               | 200-204   | Fan Mode- High    |
|    |               | 205-250   | Reserved channel  |
|    |               | 251--255  | Reset             |
| 9  | R1 LED Dimmer | 0--255    | R1 LED Dimming    |
| 10 | G1 LED Dimmer | 0--255    | G1 LED Dimming    |
| 11 | B1 LED Dimmer | 0--255    | B1 LED Dimming    |
| 12 | W1 LED Dimmer | 0--255    | W1 LED Dimming    |
| 13 | R2 LED Dimmer | 0--255    | R2 LED Dimming    |

| <b>CH</b> | <b>Function</b> | <b>DMX Value</b> | <b>Description</b> |
|-----------|-----------------|------------------|--------------------|
| 14        | G2 LED Dimmer   | 0--255           | G2 LED Dimming     |
| 15        | B2 LED Dimmer   | 0--255           | B2 LED Dimming     |
| 16        | W2 LED Dimmer   | 0--255           | W2 LED Dimming     |
| 17        | R3 LED Dimmer   | 0--255           | R3 LED Dimming     |
| 18        | G3 LED Dimmer   | 0--255           | G3 LED Dimming     |
| 19        | B3 LED Dimmer   | 0--255           | B3 LED Dimming     |
| 20        | W3 LED Dimmer   | 0--255           | W3 LED Dimming     |
| 21        | R4 LED Dimmer   | 0--255           | R4 LED Dimming     |
| 22        | G4 LED Dimmer   | 0--255           | G4 LED Dimming     |
| 23        | B4 LED Dimmer   | 0--255           | B4 LED Dimming     |
| 24        | W4 LED Dimmer   | 0--255           | W4 LED Dimming     |
| 25        | R5 LED Dimmer   | 0--255           | R5 LED Dimming     |
| 26        | G5 LED Dimmer   | 0--255           | G5 LED Dimming     |
| 27        | B5 LED Dimmer   | 0--255           | B5 LED Dimming     |
| 28        | W5 LED Dimmer   | 0--255           | W5 LED Dimming     |

## ► 48CH Mode

| CH | Function           | DMX Value                                   | Description                                              |
|----|--------------------|---------------------------------------------|----------------------------------------------------------|
| 1  | Tilt               | 0--255                                      | Tilt movement control                                    |
| 2  | Tilt Fine          | 0--255                                      | Tilt fine-adjustment                                     |
| 3  | Tilt Speed         | 0--255                                      | from fast to slow                                        |
| 4  | Master Dimmer      | 0--255                                      | Linear Dimming from dark to bright                       |
| 5  | Master Dimmer Fine | 0--255                                      | Linear Dimming from dark to bright                       |
| 6  | Strobe             | 0--3                                        | LEDs ON, No Strobe                                       |
|    |                    | 4--203                                      | Synchronized Strobe<br>Speed: Slow to Fast (1 Hz--25 Hz) |
|    |                    | 204--255                                    | Random Strobe                                            |
| 7  | Frost              | 0--255                                      | Frost Effects                                            |
| 8  | Functions          | Hold 3s to activate the following functions |                                                          |
|    |                    | 0-29                                        | Reserved channel                                         |
|    |                    | 30-39                                       | Dimming Curve: Gamma 2.0                                 |
|    |                    | 40-49                                       | Dimming Curve: Gamma 2.2                                 |
|    |                    | 50-59                                       | Dimming Curve: Gamma 2.4                                 |
|    |                    | 60-69                                       | Dimming Curve: Gamma 2.6                                 |

| CH | Function      | DMX Value | Description       |
|----|---------------|-----------|-------------------|
|    |               | 70-89     | Reserved channel  |
|    |               | 90-99     | Dimming Mode 1    |
|    |               | 100-109   | Dimming Mode 2    |
|    |               | 110-119   | Dimming Mode 3    |
|    |               | 120-129   | Dimming Mode 4    |
|    |               | 130-139   | Dimming Mode 5    |
|    |               | 140-159   | Reserved channel  |
|    |               | 160-169   | Pixel Invert: No  |
|    |               | 170-179   | Pixel Invert: Yes |
|    |               | 180-189   | Reserved channel  |
|    |               | 190-194   | Fan Mode- Auto    |
|    |               | 195-199   | Fan Mode- Low     |
|    |               | 200-204   | Fan Mode- High    |
|    |               | 205-250   | Reserved channel  |
|    |               | 251--255  | Reset             |
| 9  | R1 LED Dimmer | 0--255    | R1 LED Dimming    |

| CH  | Function      | DMX Value | Description    |
|-----|---------------|-----------|----------------|
| 10  | G1 LED Dimmer | 0--255    | G1 LED Dimming |
| 11  | B1 LED Dimmer | 0--255    | B1 LED Dimming |
| 12  | W1 LED Dimmer | 0--255    | W1 LED Dimming |
| 13  | R2 LED Dimmer | 0--255    | R2 LED Dimming |
| 14  | G2 LED Dimmer | 0--255    | G2 LED Dimming |
| 15  | B2 LED Dimmer | 0--255    | B2 LED Dimming |
| 16  | W2 LED Dimmer | 0--255    | W2 LED Dimming |
| 17  | R3 LED Dimmer | 0--255    | R3 LED Dimming |
| 18  | G3 LED Dimmer | 0--255    | G3 LED Dimming |
| 19  | B3 LED Dimmer | 0--255    | B3 LED Dimming |
| 20  | W3 LED Dimmer | 0--255    | W3 LED Dimming |
| ... | ...           | ...       | ...            |
| 41  | R9 LED Dimmer | 0--255    | R9 LED Dimming |
| 42  | G9 LED Dimmer | 0--255    | G9 LED Dimming |
| 43  | B9 LED Dimmer | 0--255    | B9 LED Dimming |
| 44  | W9 LED Dimmer | 0--255    | W9 LED Dimming |

| CH | Function       | DMX Value | Description     |
|----|----------------|-----------|-----------------|
| 45 | R10 LED Dimmer | 0--255    | R10 LED Dimming |
| 46 | G10 LED Dimmer | 0--255    | G10 LED Dimming |
| 47 | B10 LED Dimmer | 0--255    | B10 LED Dimming |
| 48 | W10 LED Dimmer | 0--255    | W10 LED Dimming |

## ► 8+40CH Mode

| CH                    | Function           | DMX Value | Description                                           |
|-----------------------|--------------------|-----------|-------------------------------------------------------|
| <b>DMX512 Control</b> |                    |           |                                                       |
| 1                     | Tilt               | 0--255    | Tilt movement control                                 |
| 2                     | Tilt Fine          | 0--255    | Tilt fine-adjustment                                  |
| 3                     | Tilt Speed         | 0--255    | from fast to slow                                     |
| 4                     | Master Dimmer      | 0--255    | Linear Dimming from dark to bright                    |
| 5                     | Master Dimmer Fine | 0--255    | Linear Dimming from dark to bright                    |
| 6                     | Strobe             | 0--3      | LEDs ON, No Strobe                                    |
|                       |                    | 4--203    | Synchronized Strobe Speed: Slow to Fast (1 Hz--25 Hz) |

| CH | Function  | DMX Value                                   | Description              |
|----|-----------|---------------------------------------------|--------------------------|
|    |           | 204--255                                    | Random Strobe            |
| 7  | Frost     | 0--255                                      | Frost Effects            |
| 8  | Functions | Hold 3s to activate the following functions |                          |
|    |           | 0-29                                        | Reserved channel         |
|    |           | 30-39                                       | Dimming Curve: Gamma 2.0 |
|    |           | 40-49                                       | Dimming Curve: Gamma 2.2 |
|    |           | 50-59                                       | Dimming Curve: Gamma 2.4 |
|    |           | 60-69                                       | Dimming Curve: Gamma 2.6 |
|    |           | 70-89                                       | Reserved channel         |
|    |           | 90-99                                       | Dimming Mode 1           |
|    |           | 100-109                                     | Dimming Mode 2           |
|    |           | 110-119                                     | Dimming Mode 3           |
|    |           | 120-129                                     | Dimming Mode 4           |
|    |           | 130-139                                     | Dimming Mode 5           |
|    |           | 140-159                                     | Reserved channel         |

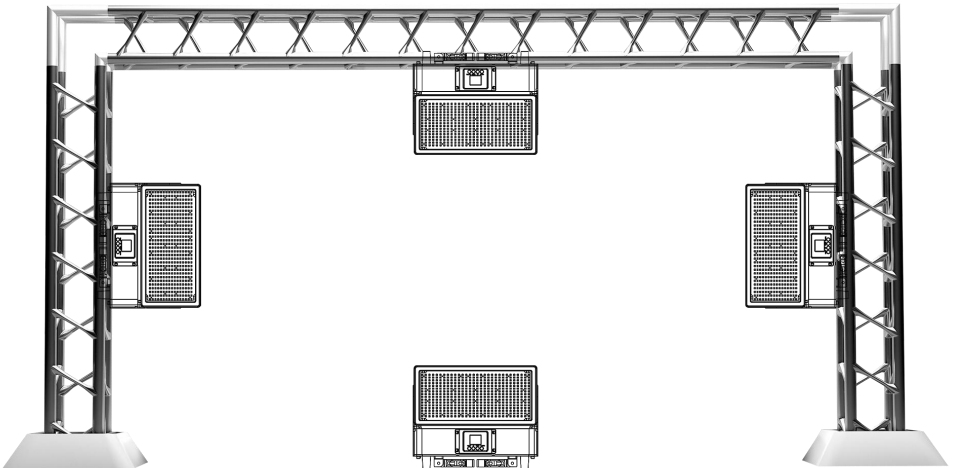
| CH              | Function      | DMX Value | Description       |
|-----------------|---------------|-----------|-------------------|
|                 |               | 160-169   | Pixel Invert: No  |
|                 |               | 170-179   | Pixel Invert: Yes |
|                 |               | 180-189   | Reserved channel  |
|                 |               | 190-194   | Fan Mode- Auto    |
|                 |               | 195-199   | Fan Mode- Low     |
|                 |               | 200-204   | Fan Mode- High    |
|                 |               | 205-250   | Reserved channel  |
|                 |               | 251--255  | Reset             |
| Art-Net Control |               |           |                   |
| 1               | R1 LED Dimmer | 0--255    | R1 LED Dimming    |
| 2               | G1 LED Dimmer | 0--255    | G1 LED Dimming    |
| 3               | B1 LED Dimmer | 0--255    | B1 LED Dimming    |
| 4               | W1 LED Dimmer | 0--255    | W1 LED Dimming    |
| 5               | R2 LED Dimmer | 0--255    | R2 LED Dimming    |
| 6               | G2 LED Dimmer | 0--255    | G2 LED Dimming    |

| CH  | Function       | DMX Value | Description     |
|-----|----------------|-----------|-----------------|
| 7   | B2 LED Dimmer  | 0--255    | B2 LED Dimming  |
| 8   | W2 LED Dimmer  | 0--255    | W2 LED Dimming  |
| 9   | R3 LED Dimmer  | 0--255    | R3 LED Dimming  |
| 10  | G3 LED Dimmer  | 0--255    | G3 LED Dimming  |
| 11  | B3 LED Dimmer  | 0--255    | B3 LED Dimming  |
| 12  | W3 LED Dimmer  | 0--255    | W3 LED Dimming  |
| ... | ...            | ...       | ...             |
| 33  | R9 LED Dimmer  | 0--255    | R9 LED Dimming  |
| 34  | G9 LED Dimmer  | 0--255    | G9 LED Dimming  |
| 35  | B9 LED Dimmer  | 0--255    | B9 LED Dimming  |
| 36  | W9 LED Dimmer  | 0--255    | W9 LED Dimming  |
| 37  | R10 LED Dimmer | 0--255    | R10 LED Dimming |
| 38  | G10 LED Dimmer | 0--255    | G10 LED Dimming |
| 39  | B10 LED Dimmer | 0--255    | B10 LED Dimming |
| 40  | W10 LED Dimmer | 0--255    | W10 LED Dimming |

## 8. Mounting

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit must be secured with a secondary safety attachment, e.g. an appropriate safety cable. Never stand directly under the facility while mounting, uninstalling or repairing facilities.

High-altitude mounting requires for extensive experience, including working load limits calculating , installation material, and periodic safety check of installation materials and facilities. If you're lack of mentioned qualifications, do not attempt the installation yourself. These installation should be checked by a skilled person annually.

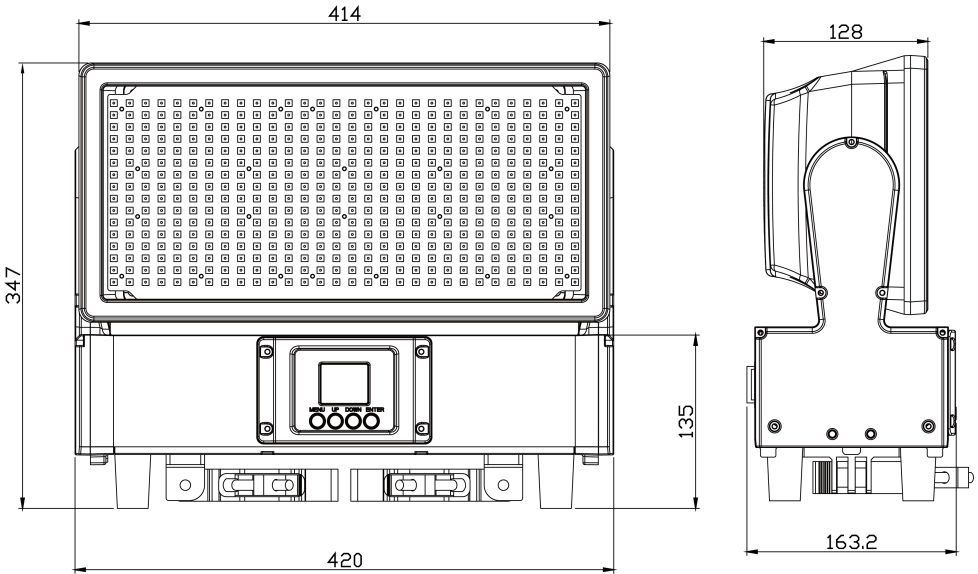


S1200 works properly in above different mounting, hanging upside-down from a ceiling, sideways on trussing, or set on smooth horizontal surface. Be sure this facility is at least 12m (40ft) away from flammable materials (decoration

etc.). Always use and install the safety cable to prevent accidental damage or injury from the facility failure. Never use handles for secondary attachment.

**NOTICE:** The suitable environment temperature of the facility is from -25° C to 45° C. Do not place this facility in an environment where the temperatures are under or above the temperatures stated. This will help the fixture run at its best and extend the lifetime.

## 9. Product Size



## 10. Attention

1. When the facility is powered on, please avoid looking directly at the facility.
2. When assembling/ replacing LEDs, be sure to cut off the main power of facilities before opening the cover upon the LED board.

## **11. Trouble Shooting**

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

### **A. The unit does not work, no light and the fan does not work**

1. Check the status of power connection and fuse.
2. Check the voltage.
3. Check the power indicator.

### **B. No response to DMX controller**

1. If the display screen flashes, check the DMX signal connector and signal line whether the connection is correct.
2. If the display screen does not flash, but no response to channel control, check whether the address code or channel setting is correct.
3. If the DMX signal transmission is intermittent, check if the XLR and DMX cables are in good condition.
4. Try using another controller.
5. Check if the DMX cables is too close to the high-voltage wire, which may damage or interfere with the signal circuit.
6. The facility has not completed the self-check.

### **C. One of the channels is not working well**

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

## 12. Fixture Cleaning

The lens and diffuser should be clean frequently to get better light effect. Wipe frequency according to the environment. Humidity, excessive smoke, and dirty environment will make lens dusty.

- Use soft cloth and special glass cleaner.
- Wipe lens surface at least every 30 days.
- Use vacuum cleaners or air guns to clean the interior structure of the facility, at least twice a year.



Warning:

To avoid the danger of lighting strikes and fire, please do not place the facility in a humid environment. Do not disassemble it without permission, otherwise, the manufacturer will not provide warranty. If the facility fails, please contact the manufacturer first.

## Product Warranty Card

Product: IP Moving Frost Strobe

Model NO.: S1200

Manufacture Date:

User:

Purchase Date:

Manufacturer:

Sales Store:

Address:

ATTN.:

ATTN.:

Phone:

Phone:

Note: The above blank must be filled in and sealed by the end user or sales point, otherwise no warranty will be provided. (Below please check the warranty period and terms)

Warranty Period: This facility is warranted for 2 years from the date of purchase.

Warranty Terms:

1. Except for man-made damage and natural disasters
2. If the facility fails to function properly during the warranty period, please contact our after service department or our local distributor directly.
  - 1) Fail to present a valid warranty card.
  - 2) Omissions, alterations, and trade sales names on the warranty card.
  - 3) Failures and damage caused by force majeure.
  - 4) Failures and damage caused during transportation and handling.
  - 5) Failures and damage caused by failure to follow the instructions for use.
  - 6) Failures and damage caused by disassembly, repair, and modification of the product without the manufacturer's authorization or by non-professionals.
  - 7) Failures caused by the use of accessories not approved by the factory or not matched by the factory.

▲ Thank you for reading this manual. Please keep it for future reference.