



FINE ART®

USER MANUAL

MODEL

FINE 1537WASH

GUANGZHOU CAIYI TECHNOLOGY CO., LTD.

★Read the user manual before installing or operating this product.★

Introduction

Thanks for purchasing FINE 1537 WASH .

This exquisite LED, with aluminum alloy shell, which looks very delicate, is a newly launched product by FINE ART. a perfect combination of advanced electronic controlling technology and exceptional user friendly design.

FINE 1537 WASH is composed of 37 pieces of 15W high brightness LEDs(4 in 1), which is rather pure and even under the particular arrangement. With built-in micro processor and high precision constant current control mode, the dimmer control of every kind leds can be independently for 255 degrees. LED can produce numerous colors. View editing and master/slave control modes can be available through the built-In program on menu so as to edit rainbow, strobes, and dimmer effects.

Further, FINE 1537 WASH has various of character as listed below: fast respond, shock-proof, sufficient cooling, long life-expectancy, anti-radiation, high efficiency, low power consumption and so on, it is a truly“Green” product. It's CE compliant and accepts the international standard DMX 512 signal mode.

FINE 1537 WASH It is suitable for the large-scale fixed stage lighting, background staining, large-scale theatrical performances, stadium, temporary stage performances, city lighting system, TV station, conference center, professional theatre, park, KTV, bar and small-scale theatrical performances, public environment etc.

Declaration

This product has passed the final check for both functionalities and package when delivered from the factory. All users should observe the instructions and pay attentions to the warnings covered by this manual. Unreasonable damages resulting from unintended operations or not heeding instructions covered by this manual will void the warranty. Specifications in this manual intend for reference only, the fixture delivered takes the priority. Any future modification pertaining to content of this manual, there will be no particular notifications. FINE ART reserves all copyrights. To obtain the latest information about software update, hardware and other files, please visit FINE ART website.

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<http://www.fineart-light.com>

Contents

| | |
|--|----|
| Contents..... | 1 |
| 1.Safety information..... | 2 |
| 2.Product introduction..... | 4 |
| 2.1 Fixture profile dimension..... | 4 |
| 2.2 Fixture introduction..... | 4 |
| 3.Package & delivery..... | 5 |
| 3.1 Included items..... | 5 |
| 3.2 Transportation lock..... | 5 |
| 3.3 Fixture package..... | 5 |
| 3.4 Unpacking..... | 6 |
| 4.Installation..... | 6 |
| 4.1 Riggins..... | 6 |
| 4.2 Equipment installation..... | 7 |
| 4.3 Tips for data link..... | 8 |
| 5.AC Power Supply..... | 9 |
| 5.1 Fuses..... | 9 |
| 5.2 Power connection..... | 9 |
| 6.Control panel..... | 10 |
| 6.1 Control panel introduction..... | 10 |
| 6.2 Control panel operational introduction..... | 10 |
| 7.Technical feature..... | 15 |
| 7.1 Production feature explanation..... | 15 |
| 8.Control Channel..... | 16 |
| 8.1 Menu control..... | 16 |
| 8.2 DMX control..... | 17 |
| 9.Routine maintenance..... | 20 |
| 9.1 Clean & Maintenance..... | 20 |
| 10.Parts Code..... | 21 |
| Attached 1: Fixture exploded drawing..... | 22 |
| Attached 2: Light output and beam angle range..... | 23 |
| Attached 3: FINE 1537WASH wiring diagram..... | 25 |

The following symbols are used to identify important safety information on the product and in this manual:

| | | | | | | |
|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |
| DANGER! Hazardous voltage. Risk of severe or lethal electric shock. | DANGER! Safety hazard. Risk of severe injury or death. | DANGER! Refer to manual before installing, powering or servicing. | Warning! Fire hazard. | Warning! Burn hazard. Hot surface. not touch. Do not touch. | Warning! Risk of eye injury. Safety glasses must be worn. | Warning! Risk of hand injury. Safety gloves must be worn. |
|  |  |  |  |  |  |  |
| Luminaires not suitable for direct mounting on normally flammable surfaces (suitable only for mounting on non-combustible surfaces) | For indoor use only | Do not direct lens to sun ray or strong light! | Do not actuate during operation | Replace any cracked protective shield | Minimum distance from lighted objects (metres) | Rated maximum ambient temperature |

1. Safety information



WARNING!

Read the safety precautions in this section before installing, powering, operating or servicing this product.

After receiving the fixture, please unpack and check if there is any damage due to transportation. If any obvious damage or flaw is found, do not put it into use and contact the distributor or manufacturer as soon as possible.



This fixture is intended for professional use only.
When operating the fixture, attention should be drawn to fire/electrical shock hazards, ultraviolet radiation, lamp shattering or lethal injuries caused by fall.



Read this User Manual before mounting and energizing the fixture. Observe the safety guideline and notice the warnings both in this User Manual and on the fixture.
Yet any safety concerns not covered hereby, contact the distributor or service hot-line.



Protection against over heat

The fixture is intended for indoor application, its protection rating is IP20. The fixture should be kept dry and avoid working in presence of moisture, over-heat or heavy smokes.
The natural working temperature should be lower than 40 degrees. If the ambient temperature exceeds 40 degrees, please stop operating the unit immediately.

$t_a = 40^\circ\text{C}$



Protection against explosion

Shields, lenses and ultraviolet screens must be replaced if they have become visibly damaged to such an extent that their effectiveness is impaired. Replace the lamp immediately if it becomes visually deformed, damaged or in any way defected.



Protection against ultraviolet radiation

Prolonged exposure to an unshielded discharged lamp can cause eye and skin burns. Do not stare directly into the light output. Never look at an exposed lamp while it is lit.

Never operate the fixture with missing or damaged lenses and/or covers.



Protection against injury due to falls

Do not lift or carry the fixture alone.

To inspect that the structure and the truss hooks are in good condition and can bear about 10 times the weight of the fixture.

Ensure the cover and all riggings are securely fastened, safety wire is necessary to use as a secondary attachment.

Block access below the working area and work from a stable platform while installing, servicing or moving the fixture.



Protection against electrical shock

All electrical connections must be performed by a qualified person with technical certificate.

Make sure that the mains power supply you use is up to local construction and electronic code regulation, the over-load protection reliable earthing is essential.

Each fixture must be grounded correctly, and be installed according to related regulation.

Disconnect the fixture from AC power before removing or installing any cover or part, including the lamp and fuses, and when not in use.

Do not expose the fixture to rain or moisture.



Protection against burning or fire

Please do not install the fixture onto combustible surface.

Do not attempt to bypass the thermostat switch or fuse.

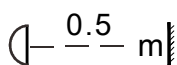
Replace defective fuses with specified ratings only.

Keep flammable materials far away from the fixture. Minimum distance from the flammable materials is 0.5m.

Under the steady working state, the max temperature of exterior surface of FINE 1537WASH is 65°C , Please don't touch the moving head during movement.



The minimum distance between FINE 1537WASH and the lighted objects is 0.5m



Ensure a minimum clearance of 0.1m around the cooling fans and ventilations.

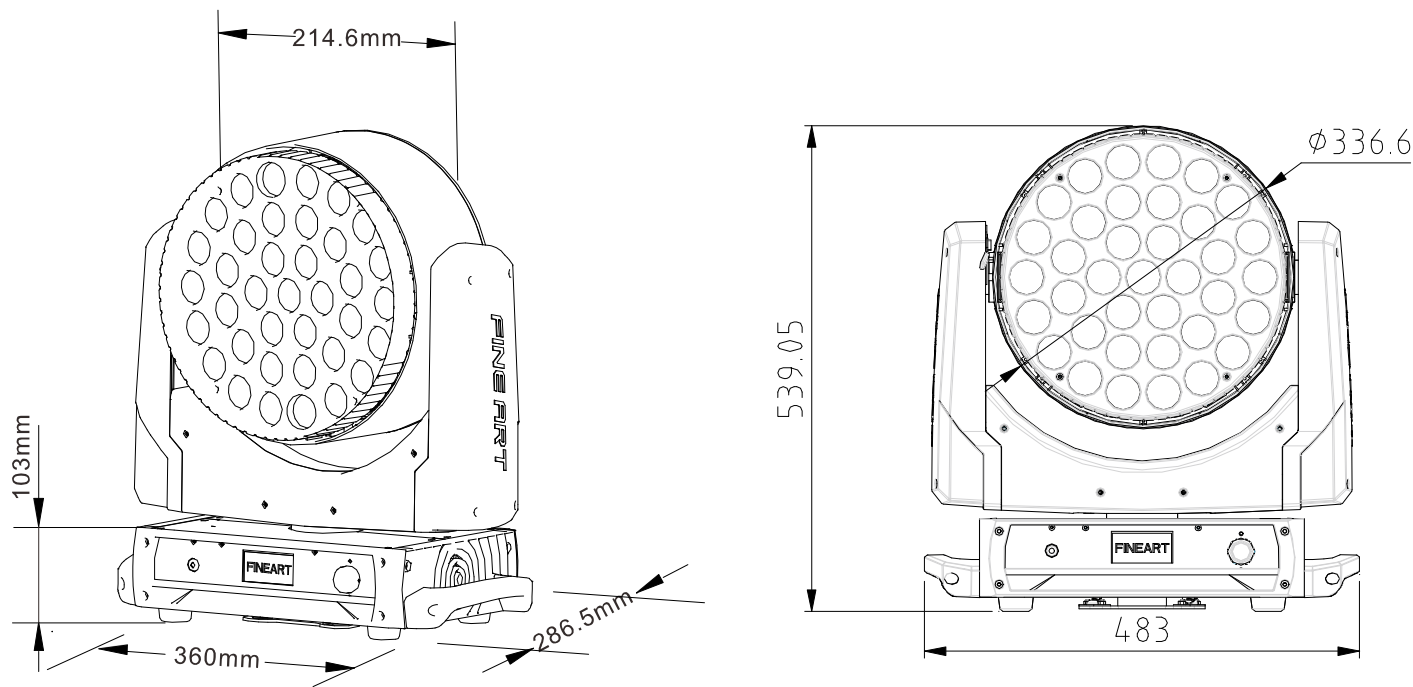
Do not place any filter or other object onto the optical lens.

Allow the fixture to cool for at least 15 minutes before transit.

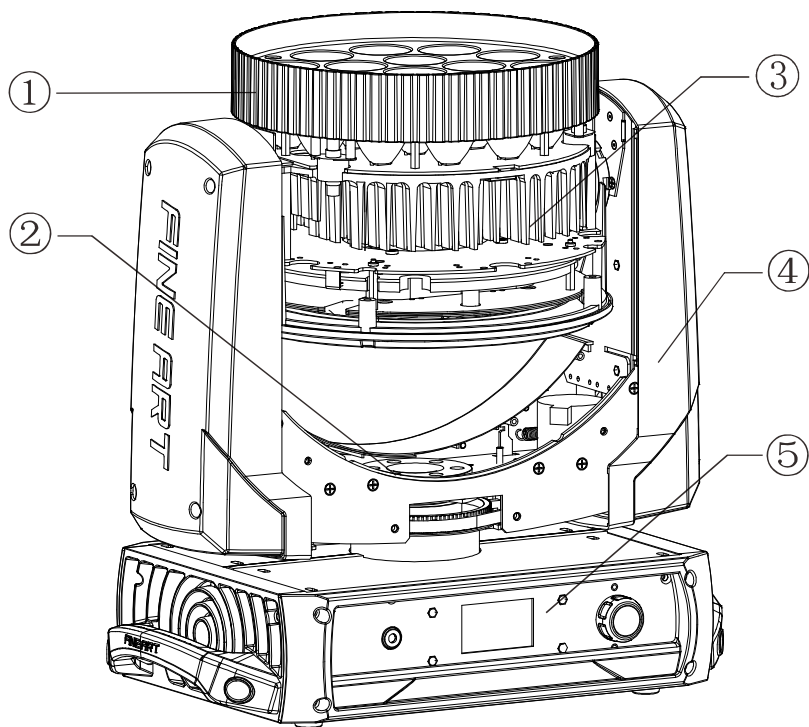
Do not revise the fixture or install any parts not from Guangzhou CHI YI TECHNOLOGY CO., LTD.

2.Product introduction

2.1 Fixture profile dimensions



2.2 Fixture introduction



| | | | |
|---|----------------|---|-------------|
| 1 | Head Front Cap | 4 | Yoke Module |
| 2 | Pan Support | 5 | Base Module |
| 3 | Head Module | | |

3.Package & delivery

3.1 Included items

FINE 1537WASH is packed with flight case or carton with foam backing. One single standard flight case carries two fixtures, one single carton case carries one fixture, Included items listed below (shown as table 3.1-1):

| Accessories | QTY | UNIT |
|----------------------|-----|------|
| User manual | 1 | PCS |
| Warranty card | 1 | PCS |
| Suspension fasteners | 2 | SET |
| Signal cable | 1 | PCS |
| Safety wire | 1 | PCS |
| Fuse | 2 | PCS |
| Power Cable | 1 | PCS |

Table 3.1-1

3. 2 Transportation lock

For the ease of transit, the fixture is provided with the transportation lock with five locking positions. As shown in Fig.3.2-2, the fixture is lock at middle lock-ing position wherein the beam axis is perpendicular to the yoke.

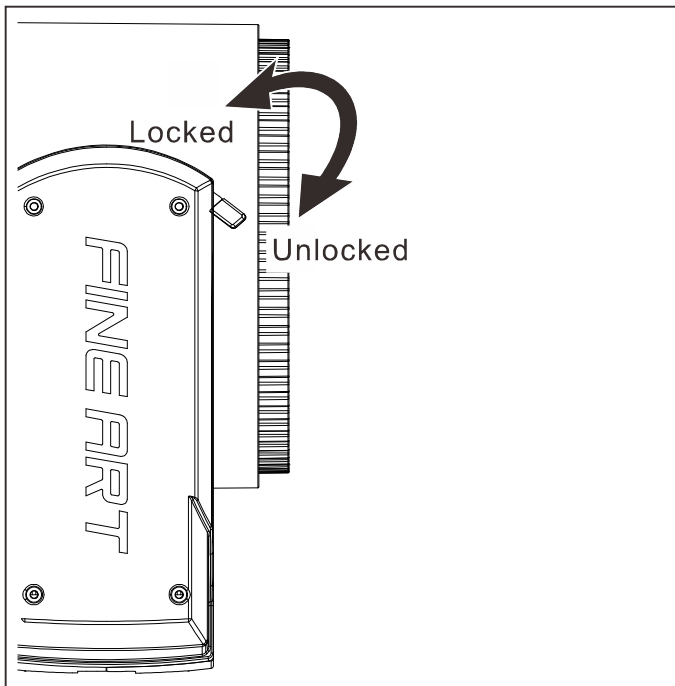


Fig.3.2-1 transportation lock

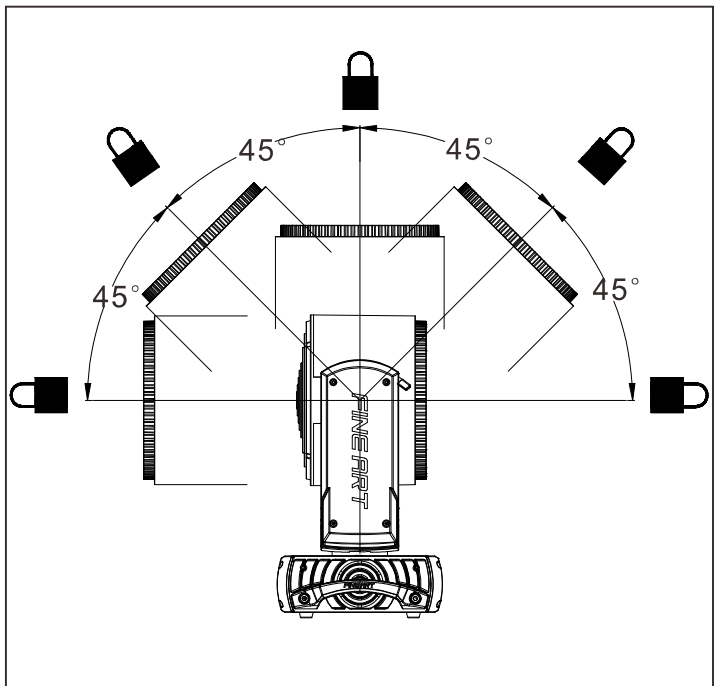


Fig.3.2-2 respective locking position

3. 3 Fixture Package

1. Before packaging, please disconnect the fixture from power supply and wait at least 15minutes for cooling.
2. Remove dust buildup on the exterior surface, tight the Tilt lock.
3. Pack the fixture with an inner bag, grasp both handles on the base and care-fully upside down the fixture, and gently place it onto the intended mounting recesses within the road-case.
4. Pack the included accessories into the road-case.

5. Road-case stacking do not exceed 2 layers, upside down the road-case is not allowed.



3.4.Unpacking

Notice: inspect the units upon reception. If there is any evident damage due to transit, do not use the units and notify FINEART local distributor or contact GUANGZHOU CAIYI TECHNOLOGY CO., LTD.

1. Open the road-case and unpack the inner bag.
2. Grasp the handles on the base and lift the fixture out from the road-case. Alternatively, first open the upper casing of the road-case. Apply 2 sets of suspension clamps to the bottom of the base. Then lower the lifter to such a level where it's easier to clamp the fixture and the lifter together via a “G” hook. Secure the locking screw in the “G” hook. Finally, lift the fixture out of the flight case.
3. Release the transportation lock before power up the fixture.

4.Installation

User must be termly check the fixture and its install materials, if you are non-qualified to check that, please contact the professional person. Wrong installation will result in fatal hazard.

The fixture working ambient temperature are between 0°C-40°C, When ambient temperature over the range, don't operate the fixture. When the fixture are in installtion, teardown, remove or servicing, don't stand in under the fixture. Operator must be insure the fixture are safely connected. The input power supply must match the specific type demanded by the fixture. Make sure the installation check annually by professional person.

3.4.Installing riggings

FINE 1537WASH can be put on stage floor or fixed on any brace or truss. Quick trigger locks can easily fix the fixture to mounting brackets shown as follows.

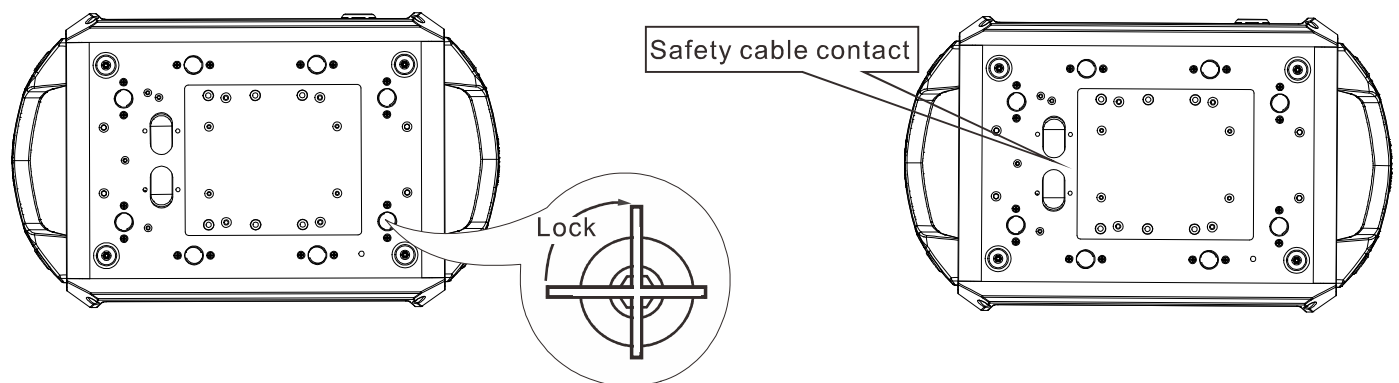


Fig (4. 1-1)



The fixture must be fixed by a pair of 1/4 turn clamps. Clockwise rotate the lever by 90°, then the clamp is securely lock.

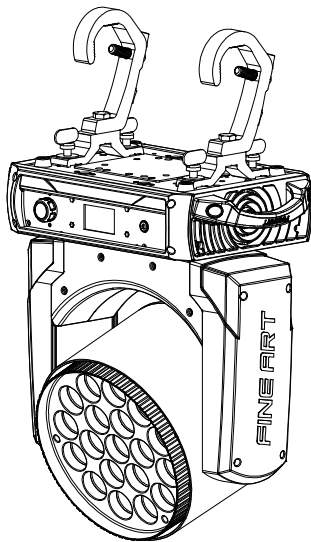
Equipment installation

1. To inspect the truss hook/rigging are in good condition and can bear about 10times the weight of the light fixture. Be sure the truss or pipe construction can bear 10 times the weight of all equipments including lights, truss hooks, cables and accessories.
2. Lock each clamp securely to a clamp bracket with a 12M bolt and lock nut.
3. Install a clamp point in the base, insert the fasteners into the base and turn the two levers a full 1/4 buckle clockwise to lock it completely, and install the second clamp in the same way.
4. If the truss can be lift automatic up and down, the light fixture can be lifted and hooked from flight case directly. When the lights equipments need to lift high, the working area below should have some barrier to ensure the installation works operated under safety condition. Finally suspend the fixture onto the truss and fasten clamps all and lift truss totally.
5. Connect a safety rope which can bear 10 times weight of the fixture, the attachment is designed to fit a clamp.
6. Check the transportation lock have been unlocked, Be sure there is no explosive or inflammable materials around the fixture in 0.5 meter around.

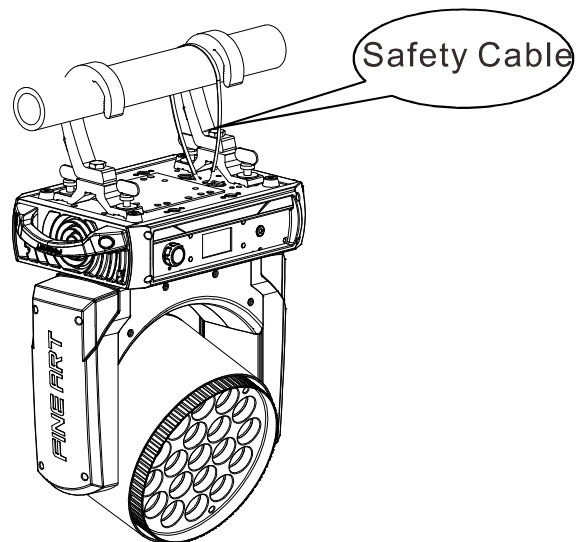


Warning

The safety wire should attached to the hole on the mounting plate. Do not tie the safety wire to the handles instead.

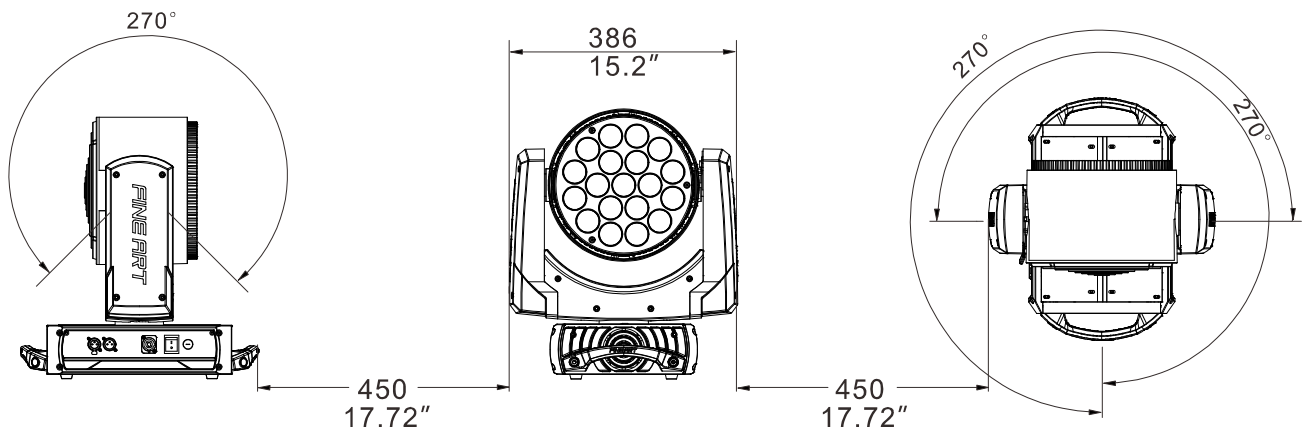


Fig(4.2-1)



Warning

The fixtures must be placed upright, minimum spacing between each two fixtures in an array is 900mm, arrangement layout as shown in Fig.4.2-2.



Fig(4.2-2)

4.3 Tips for data link

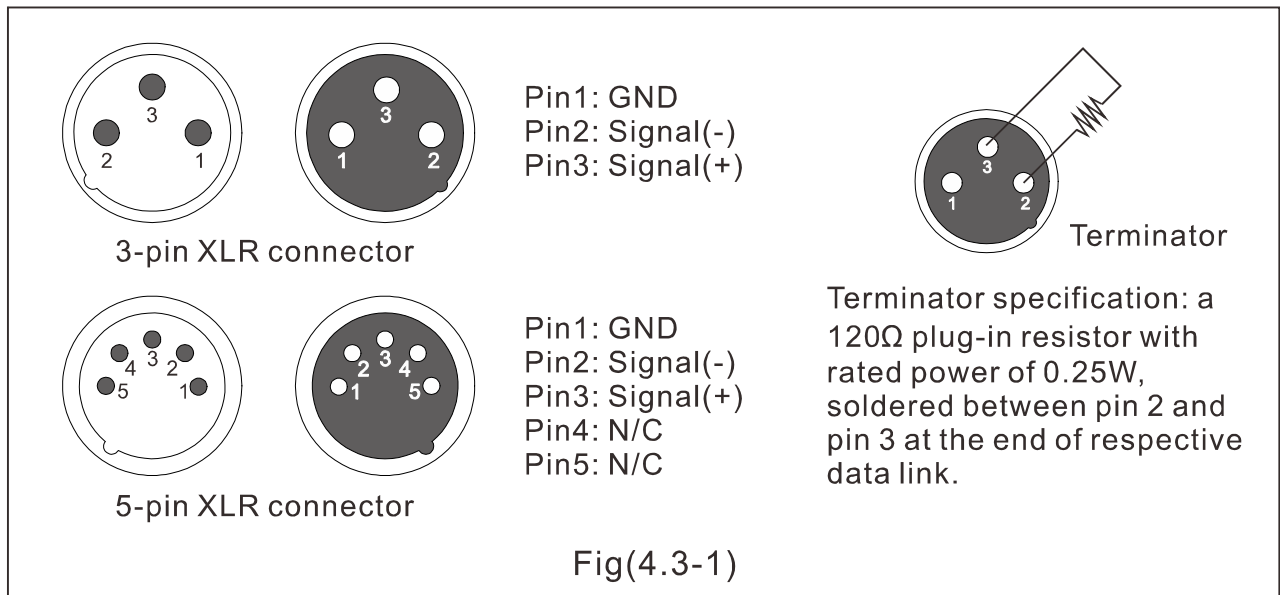
Data linkage for the fixture may be provided by DMX512 connection, Ethernet connection, Ethernet/DMX512 connection and wireless linkage.

DMX connection

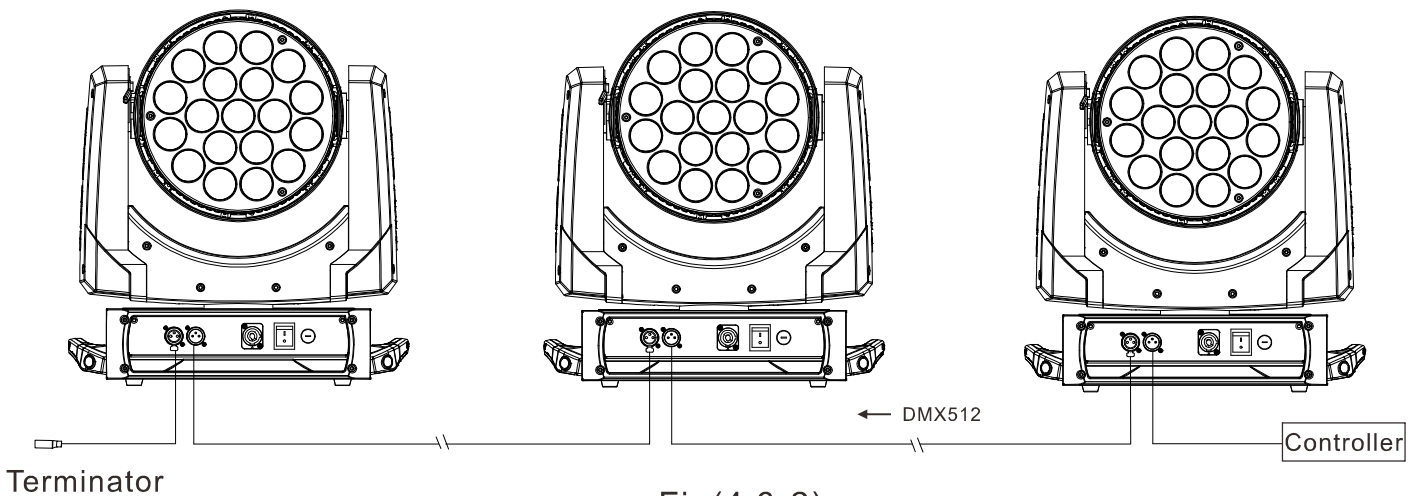
Note: The signal cable was type X connection.

Type X connection—if the external flexible cable or cord of this fixture is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or his service agent.

3-pin or 5-pin XLR connectors are provided for fixture DMX input and output. Pin 1 is for earthing, pin 2 is for minus signals, and pin 3 is for plus signals. To prevent and absorb the reflection and interference of the signals, each data link must be ended by a respective terminator.



Connect the 3-pin/5-pin output of a lighting controller to the 3-pin/5-pin input of a first fixture on the link, then connect the 3-pin/5-pin output of the said first fixture to the 3-pin/5-pin input of a second fixture. Similarly, repeat the above connection step and end the data link with a plug-in terminator. Shown as Fig. 4.3-2 below.



If long-distance data transfer occurs, a DMX512 signal amplifier is necessary. The added amplifier is inserted between the lighting controller and the first fixture on the basis of a normal data link.

Notice:

1. No more than one signal input or output can occur in one fixture.
2. Don't split a data link via output ports on the fixture, use a DMX512 signal amplifier instead, if necessary.
3. Use only shielded-pair cables, and standard microphone cable is not reliable for long-distance data transfer.

5.AC power supply

5.1 Fuses

Power supply and fuses' type and rating:

| Power | Fuse |
|-----------|---------------------|
| 200-240V~ | 3A 5×20 (Main fuse) |
| 100-120V~ | 5A 5×20 (Main fuse) |

Table 5.1-1

5.2 Power connection

Notice: Type X attachment for power supply connection. Method of attachment of the cable or cord such that any replacement can only be made by the manufacturer, his service agent or similarly qualified person.

The person must have the relevant qualification to connect the power supply. The AC power voltage shall be suitable to the lamp provided with over-loading or creepage protection.

1. Connecting the equipment to the power supply, do not connect to silicon box system, or else, it will destroy the equipment. The fixture is provided with standard 2-pin socket. Please according to table 5.2-1 connect to power supply, Yellow/green line must be earthed. If you still have any question to the installation, please consultant with the experienced electrician.
2. When power is supplied, put the base switch to the position "I".


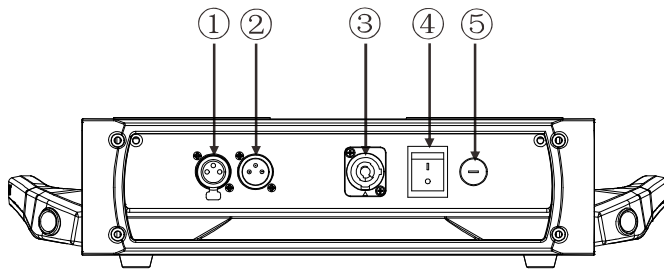
| Color | Wire | Mark |
|--------------|---------|---|
| Brown | Live | L |
| Blue | Neutral | N |
| Yellow/Green | Earth |  |

Table 5.2-1

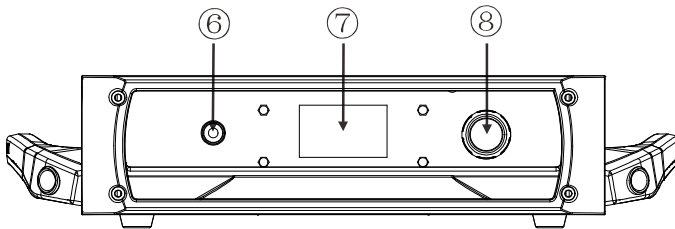
6. Control panel

6.1 Control panel introduction



Fig(6.1-1) XLR Panel

- 1.5-pin XLR (Female)
- 2.5-pin XLR (male)
- 3.Power
- 4.Power Switch
- 5.Fuse
- 6.Exit
- 7.Display
- 8.Enter

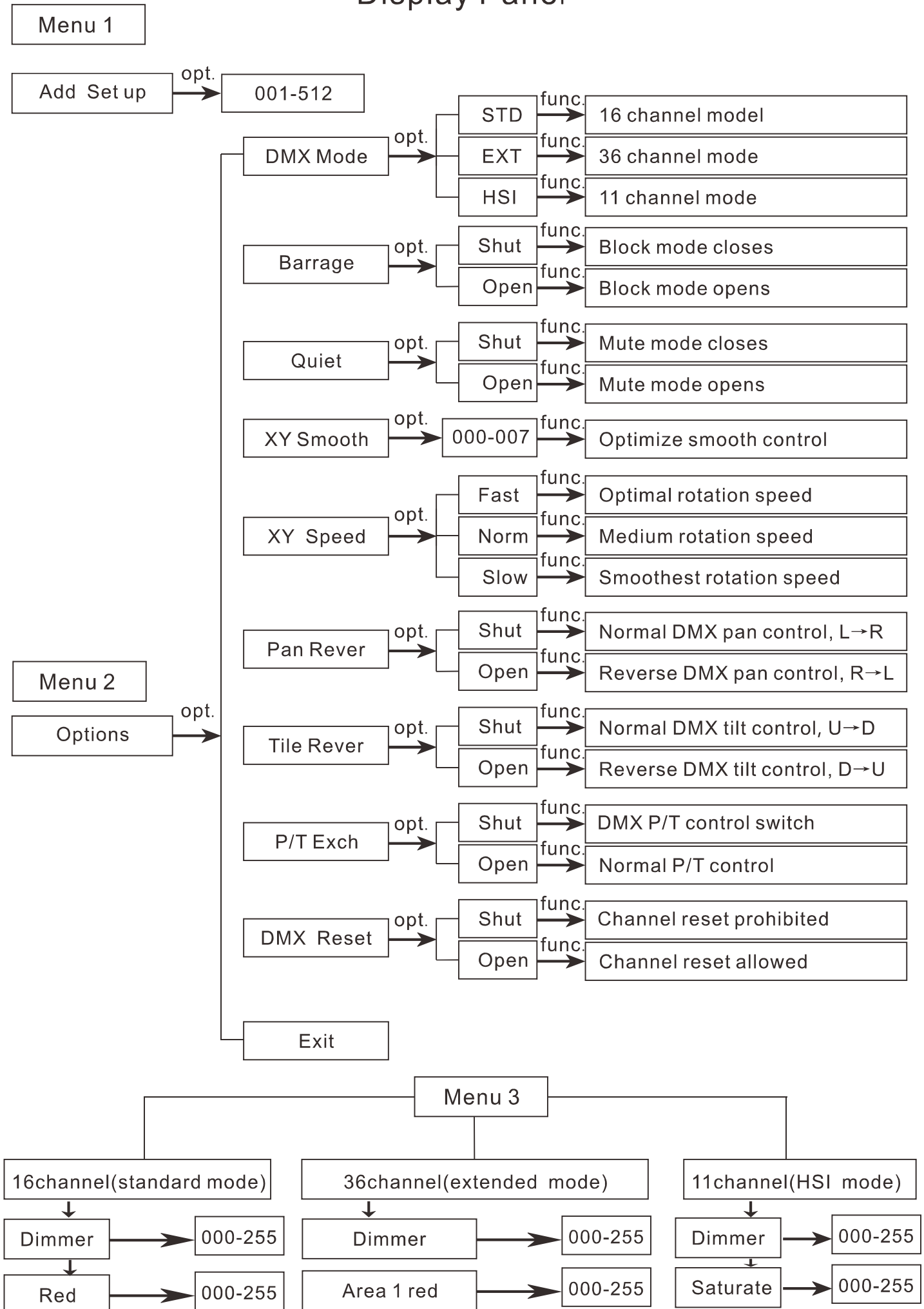


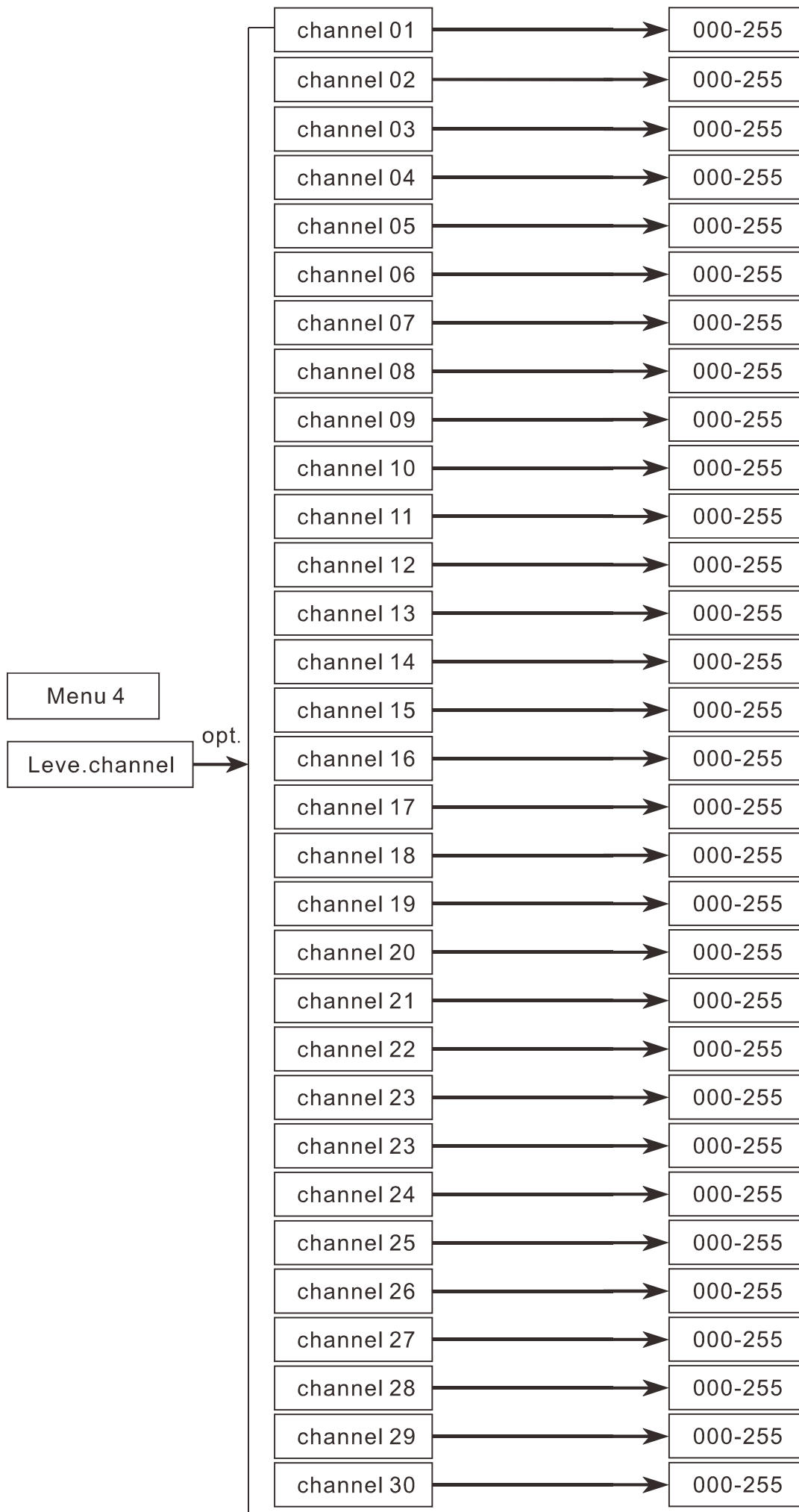
Fig(6.1-2) Display Panel

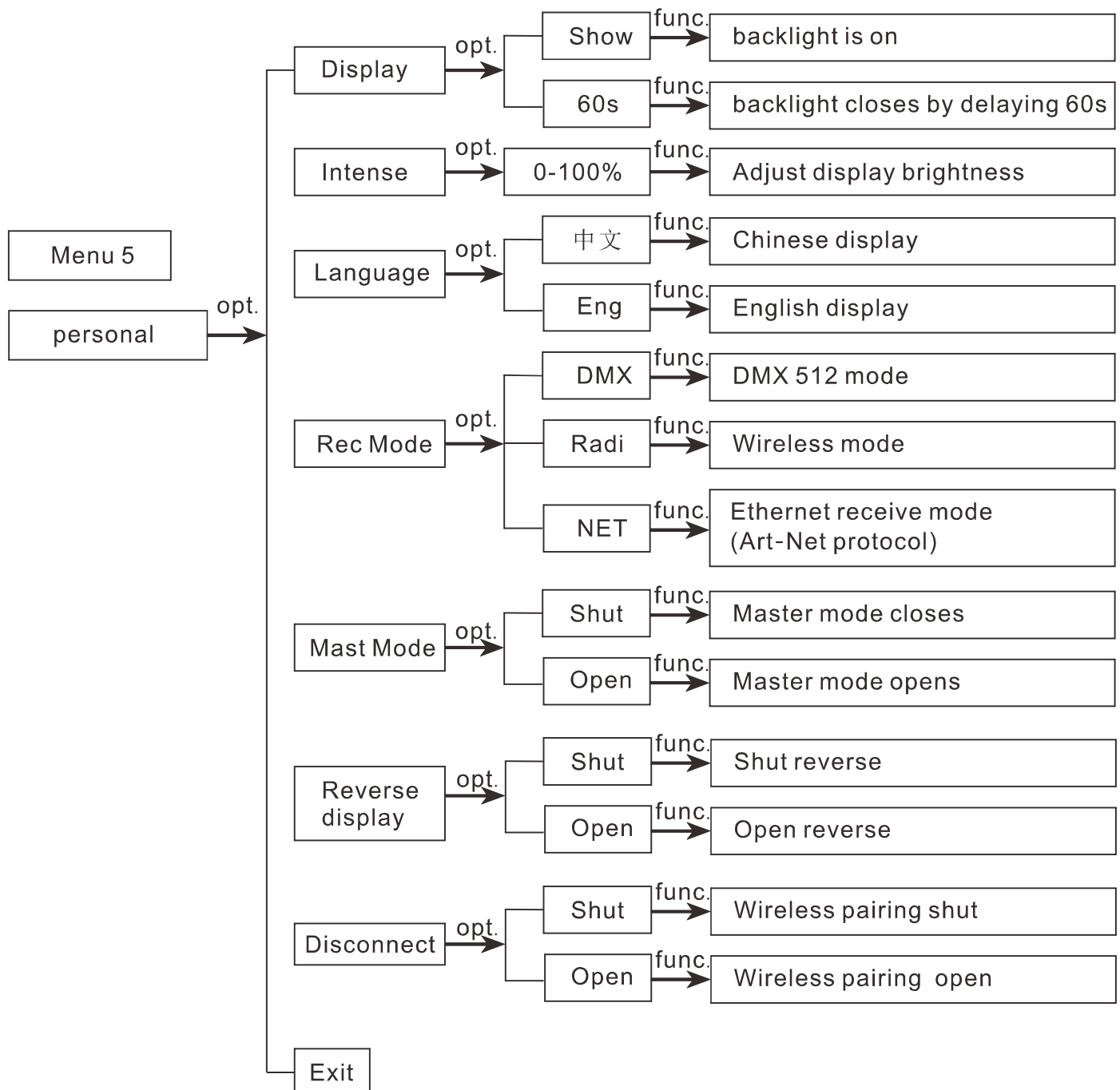
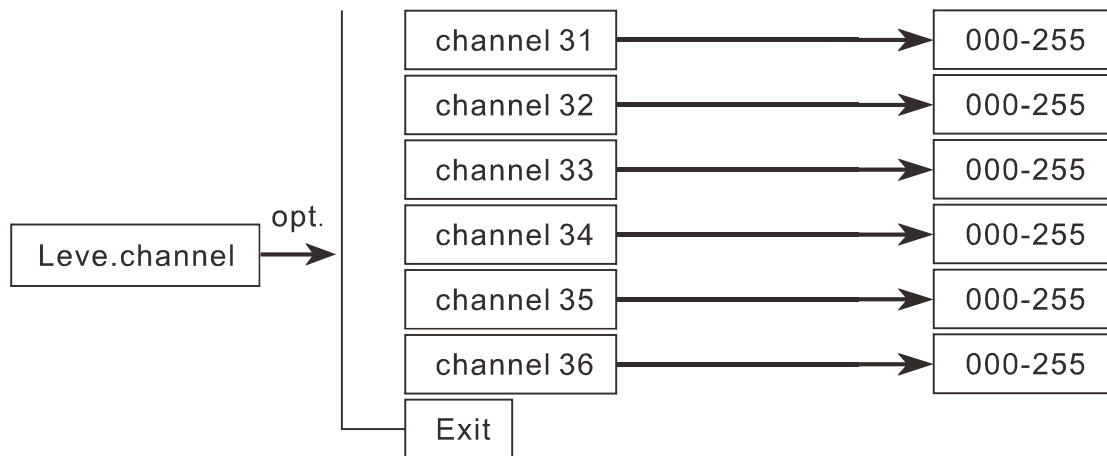
6.2 Control panel operational instruction

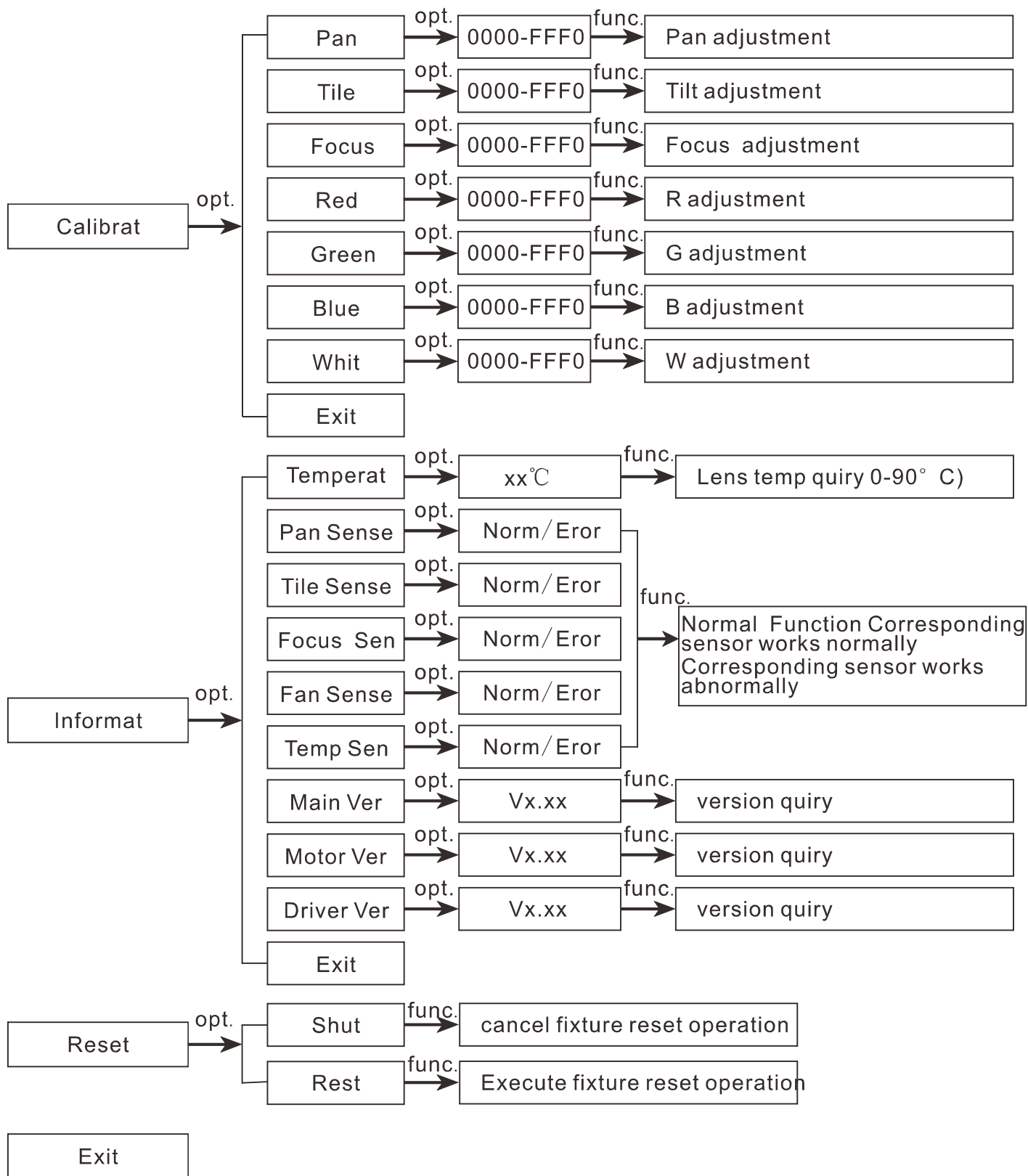
1. Mains switch: It's power off when turning the mains switch to "O". And it's power on when turning the mains switch to "I".
2. Exit button: quit modification or return to upper menu.
3. Jog wheel:
 - Press down the jog wheel: enter an item/save the present value. Holds for a few more second, it will return to upper menu.
 - Clockwise rotate: scroll down the page/increase the parameter value.
 - Counterclockwise rotate: scroll up the page/decrease the parameter value.

Display Panel









7. Technical feature

7.1 Production feature explanation

- Light Source: 37pcs 15w(RGBW) bulb,4in1
- LCD Chinese-English Menu
- PC lens, high temperature resistance, good light transmission
- 16(Standard)/36(Extenged)/11(HSI channels)
- RGBW Separate dimmer, 256 grades brightness control

- Master/Slave mode control
- Many strobe effects and color rainbow function
- Constant current driver way, 65536 grades smooth dimmer, dimmer frequency high up to 17k, no flickering
- Pan Scanning: 540° 8 bit(16bit precise scanning), built-in pan macro function
- Tilt Scanning: 540° 8 bit(16bit precise scanning), built-in tilt macro function
- With photoelectric system, Pan & tilt can retrieve and reset automatically
- Light closes through movement, auto focus function
- Protection of over heat, over current, and over voltage
- DMX 512 Signal receival
- Built-in temperature monitoring and protection function
- Use power supply which has APFC function, Power Factor \geq 0.95
- Voltage: 100V-240V, 50-60HZ
- Power: 550W
- DIM: 538mm*483mm*287mm
- Net Weight: 20kg
- Color: Black
- Calorific value: 0.15 KW
- IP: IP20
- Max ambient working temperature:40°C
- Compliant with CE and GB 7000.217-2008,GB7000.1-2007 standard

8. Control Channel

8.1 Menu Control Channel

| Channel | Standard Mode | Extended Mode | HSI Mode |
|---------|-------------------|---------------|-------------------|
| 1 | Main Dimmer | Main Dimmer | Chromaticity |
| 2 | R | Area 1 R | Saturation |
| 3 | G | Area 1 G | Luminance |
| 4 | B | Area 1 B | Strobe |
| 5 | W | Area 1 W | Automatic process |
| 6 | Strobe | Area 2 R | Pan |
| 7 | Color Wheel | Area 2 G | Pan Fine |
| 8 | Built-in Program | Area 2 B | Tilt |
| 9 | Speed adjustment | Area 2 W | Tilt Fine |
| 10 | Color Temperature | Area 3 R | Focus |
| 11 | Pan | Area 3 G | Reset |
| 12 | Pan Fine | Area 3 B | |
| 13 | Tilt | Area 3W | |
| 14 | Tilt Fine | Area 4R | |
| 15 | Focus | Area 4G | |
| 16 | Reset | Area 4B | |

| | | | |
|----|--|-------------------|--|
| 17 | | Area 4W | |
| 18 | | Area 5R | |
| 19 | | Area 5G | |
| 20 | | Area 5B | |
| 21 | | Area 5W | |
| 22 | | Area 6R | |
| 23 | | Area 6G | |
| 24 | | Area 6B | |
| 25 | | Area 6W | |
| 26 | | Strobe | |
| 27 | | Color wheel | |
| 28 | | Built-in program | |
| 29 | | Speed adjustment | |
| 30 | | Color temperature | |
| 31 | | Pan | |
| 32 | | Pan fine | |
| 33 | | Tilt | |
| 34 | | Tilt fine | |
| 35 | | Focus | |
| 36 | | Reset | |

8.2 DMX Channel

| Standard mode | Extended mode | HIS mode | Channel function | Channel vaule | Function |
|---------------|---------------|----------|------------------|---------------|----------------------------|
| 1 | 1 | / | Dimmer | 0-255 | Dimmer linear adjustment |
| / | / | 1 | Chroma | 0-255 | Chroma linear adjustment |
| 2 | / | / | Red | 0-255 | Red linear adjustment |
| / | 2 | / | Area 1 R | 0-255 | Area 1 R linear adjustment |
| / | / | 2 | Saturate | 0-255 | Saturate linear adjustment |
| 3 | / | / | Green | 0-255 | Green linear adjustment |
| / | 3 | / | Area 1G | 0-255 | Area 1G linear adjustment |
| / | / | 3 | Luminance | 0-255 | Luminance adjustment |
| 4 | / | / | Blue | 0-255 | Blue linear adjustment |
| / | 4 | / | Area 1 B | 0-255 | Area 1 B linear adjustment |
| 5 | / | / | White | 0-255 | White linear adjustment |
| / | 5 | / | Area 1 W | 0-255 | Area 1 W linear adjustment |
| / | 6 | / | Area 2R | 0-255 | Area 2R linear adjustment |

| | | | | | |
|---|----|---|------------------|---------|---|
| / | 7 | / | Area 2 G | 0-255 | Area 2 G linear adjustment |
| / | 8 | / | Area 2 B | 0-255 | Area 2 B linear adjustment |
| / | 9 | / | Area 2 W | 0-255 | Area 2 W linear adjustment |
| / | 10 | / | Area 3 R | 0-255 | Area 3 R linear adjustment |
| / | 11 | / | Area 3 G | 0-255 | Area 3 G linear adjustment |
| / | 12 | / | Area 3 B | 0-255 | Area 3 B linear adjustment |
| / | 13 | / | Area 3 W | 0-255 | Area 3 W linear adjustment |
| / | 14 | / | Area 4 R | 0-255 | Area 4 R linear adjustment |
| / | 15 | / | Area 4 G | 0-255 | Area 4 G linear adjustment |
| / | 16 | / | Area 4 B | 0-255 | Area 4 B linear adjustment |
| / | 17 | / | Area 4 W | 0-255 | Area 4 W linear adjustment |
| / | 18 | / | Area 5 R | 0-255 | Area 5 R linear adjustment |
| / | 19 | / | Area 5 G | 0-255 | Area 5 G linear adjustment |
| / | 20 | / | Area 5 B | 0-255 | Area 5 B linear adjustment |
| / | 21 | / | Area 5 W | 0-255 | Area 5 W linear adjustment |
| / | 22 | / | Area 6 R | 0-255 | Area 6 R linear adjustment |
| / | 23 | / | Area 6 G | 0-255 | Area 6 G linear adjustment |
| / | 24 | / | Area 6 B | 0-255 | Area 6 B linear adjustment |
| / | 25 | / | Area 6 W | 0-255 | Area 6 W linear adjustment |
| 6 | 26 | 4 | Strobe | 0 | Off |
| | | | | 1-63 | Symmetry strobe, frequency from 1HZ-25HZ |
| | | | | 64-127 | Asymmetry strobe, frequency from 1HZ-25HZ |
| | | | | 128-191 | Random strobe, frequency from 1HZ-25HZ |
| | | | | 192-255 | On random strobe, frequency from 1HZ-25HZ |
| / | / | 5 | Auto | 0 | Off |
| | | | | 1-255 | Auto tone, Slow-->Fast |
| 7 | 27 | / | Color wheel | 0 | Off |
| | | | | 1-42 | Red->light red->orange->yellow orange->yellow |
| | | | | 43-84 | Yellow->light yellow->light green->dark green |
| | | | | 85-126 | Green->light green->cyan |
| | | | | 127-168 | Cyan->light blue->dark blue |
| | | | | 169-210 | Blue->purple |
| | | | | 211-255 | Purple->magenta->red |
| 8 | 28 | / | Bulit-in program | 0 | Off |
| | | | | 1-23 | Red-green-blue-yellow-magenta--cyan |
| | | | | 24-47 | Color watering diffusion effect |
| | | | | 48-71 | Color watering shrink effect |
| | | | | 72-95 | Rainbow watering bidirection process effect |

| | | | | | |
|----|----|----|--------------------|---------|---------------------------------------|
| 8 | 28 | / | Built-in program | 96-119 | Color petal blossom effect |
| | | | | 120-143 | Color petal shrink effect |
| | | | | 144-167 | Color petal bidirection effect |
| | | | | 168-191 | Mixing color blossom effect |
| | | | | 192-215 | Mixing color shrink effect |
| | | | | 216-239 | Mixing color bidirection effect |
| | | | | 240-255 | RGBW mixing effect |
| 9 | 29 | / | Speed adjustment | 0-255 | Speed of built-in program, Slow->Fast |
| 10 | 30 | / | CTC | 0 | Off |
| | | | | 1-255 | 1000K->2700K |
| 11 | 31 | 6 | Pan rotation | 0-255 | 0° ->540° |
| 12 | 32 | 7 | Pan rotation fine | 0-255 | Precise pan rotation |
| 13 | 33 | 8 | Tilt rotation | 0-255 | 0° ->540 |
| 14 | 34 | 9 | Tilt rotation fine | 0-255 | Precise tilt rotation |
| 15 | 35 | 10 | Focus | 0-255 | Spot, small->big |
| 16 | 36 | 11 | Reset | 0-200 | Reserved |
| | | | | 201-255 | The whole fixture reset |

9. Routine maintenance

9.1 Cleaning and maintenance

This fixture requires routine cleaning. The service life depends on the operating environment heavily. Please kindly contact GUANGZHOU CAIYI TECHNOLOGY CO., LTD. for more maintenance information not included in this user's manual. Notice: Excessive dust, smoke fluid and particulate buildup will degrade performance and cause overheating or damage to the fixture that is not covered by the warranty.

Warning: Please unplug the fixture before you open any covers.

Cleaning

Optical components should be cleaned carefully and lightly. Coating face is easily damaged, do not use harmful solvent so as to avoid damage to plastic parts or coating parts.

Cleaning optical components

1. Switch off the fixture and keep it cool completely, then open the cover.
2. Clean the floats by dust collector or compressed.
3. Use cotton paper without smell or cotton cloth soaked with the water, distilled water to wipe the granular thing, don't wipe the surface, float things should be blown away by the pressure gas.
4. Use the cotton cloth or cotton paper without smell soaked with isopropyl alcohol to remove the smoke and other residues. A commercial glass cleaner may be used, but residues must be removed with distilled water. Clean with a slow circular motion from center to edge. Dry with a clean, soft and lint-free cloth or compressed air.

Cleaning fan and air vents

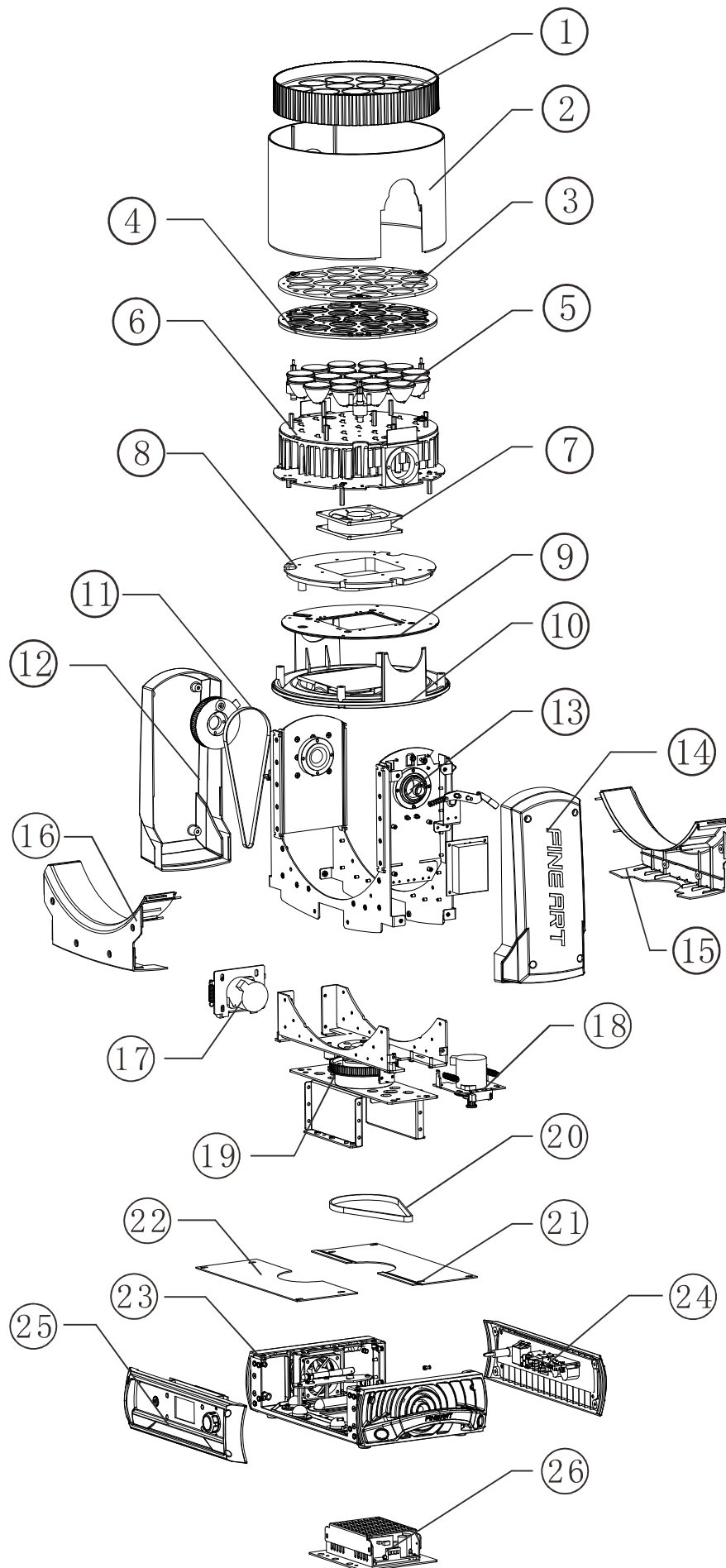
Remove dust from the fans and air vents with a soft brush, cotton paper, vacuum, or compressed air.

10. Ordering P/N

| No. | Item | Specification | Ordering P/N |
|-------|-------------------------------|-------------------|--------------|
| 1 | Head Front Cap | | 380712000012 |
| 2 | Head Middle Cap | | 380712000014 |
| 3 | Focus Lens Board | | 170712000045 |
| 4 | Fresnel lens supporting board | | 170712000044 |
| 5 | Fresnel LEDs | PMMA | 200712000003 |
| 6 | LEDs Board | 298mm*298mm | 330712100006 |
| 7 | Cooling Fan | 119x119x25.5 | 150101000025 |
| 8 | LEDs Driver Board | 220mm*220mm | 330712100007 |
| 9 | Clump Weight | | 110712000079 |
| 10 | Head Rear Cap | | 380712000013 |
| 11 | Tilt Belt | | 350201000212 |
| 12/14 | Yoke Side Casing | | 380712000017 |
| 13 | Yoke Arm | | 110712000103 |
| 15/16 | Yoke Front/Bear Casing | | 380712000016 |
| 17/18 | Pan/Tilt Motor | | 140103000001 |
| 19 | Pan Support | | 110712000094 |
| 20 | Pan Belt | | 350201000213 |
| 21 | Base Upper Casing 1 | | 110712000109 |
| 22 | Base Upper Casing 1 | | 110712000109 |
| 23 | Base Side Casing | | 380712000024 |
| 24 | Socket | 20A/250V ac | 300502000014 |
| | Power Supply | 250V,16A | 299901010006 |
| | Fuse | 5x20 5A | 309905000008 |
| 25 | Display | Resolution 128*64 | 280802000027 |
| 26 | Power Switch | Output 28V | 330001200014 |

*No. above corresponding with those illustrated in exploded drawing.

Attached 1: Fixture exploded view

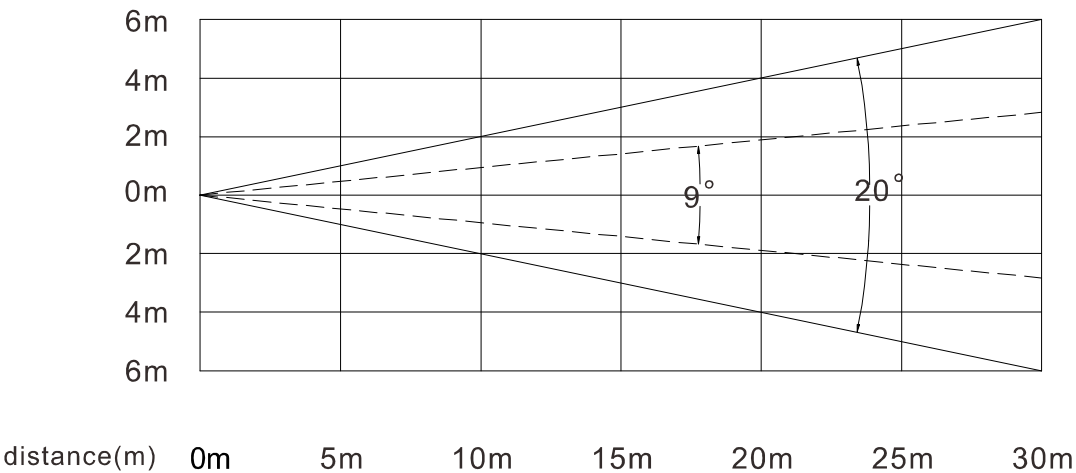


| No. | Item |
|-----|-------------------------------|
| 1 | Head front cap |
| 2 | Head middle cap |
| 3 | Focus Lens board |
| 4 | Fresne ILEDs supporting board |
| 5 | Frensel LEDs |
| 6 | LEDs board |
| 7 | Cooling fan |
| 8 | LED driver board |
| 9 | Clump Weight |
| 10 | Head Bear cap |
| 11 | Tilt belt |
| 12 | Yoke side casing |
| 13 | Yoke arm |
| 14 | Yoke side casing |
| 15 | Yoke front/rear casing1 |
| 16 | Yoke front/rear casing2 |
| 17 | Tilt motor |
| 18 | Pan motor |
| 19 | Pan support |
| 20 | Pan belt |
| 21 | Base upper casing |
| 22 | Base upper casing 2 |
| 23 | Base side casing |
| 24 | XLR Panel assembly |
| 25 | Display Panel assembly |
| 26 | Power Supply assembly |

Attached 2: Light output and beam angle range

◆ small spot luminance chart

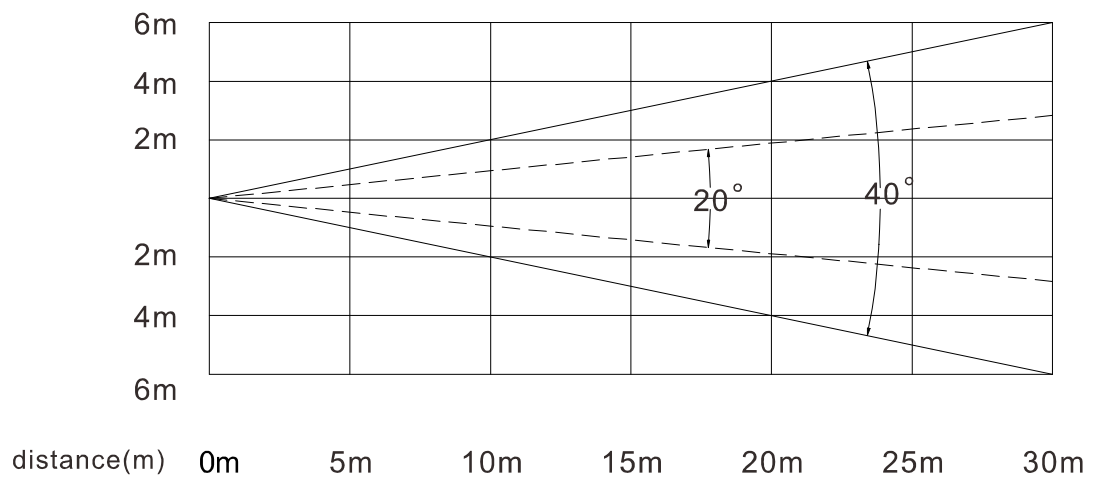
| luminance(lux) | | | | | | | |
|-----------------------------|---|-------|------|------|-----|-----|-----|
| beam angle mixed white(lux) | 0 | 10058 | 2515 | 1118 | 629 | 402 | 279 |
| beam angle white(lux) | 0 | 5045 | 1261 | 561 | 315 | 202 | 140 |
| beam angle red(lux) | 0 | 1754 | 438 | 195 | 110 | 70 | 49 |
| beam angle green(lux) | 0 | 3899 | 975 | 433 | 244 | 156 | 108 |
| beam angle blue(lux) | 0 | 563 | 141 | 63 | 35 | 23 | 16 |
| spot angle mixed white(lux) | 0 | 8728 | 2070 | 920 | 517 | 331 | 230 |
| spot angle white(lux) | 0 | 4197 | 1049 | 466 | 262 | 168 | 117 |
| spot angle red(lux) | 0 | 1345 | 336 | 149 | 84 | 54 | 37 |
| spot angle green(lux) | 0 | 3256 | 814 | 362 | 204 | 130 | 90 |
| spot angle blue(lux) | 0 | 517 | 129 | 57 | 32 | 21 | 14 |



| diameter(m) | | | | | | | |
|---------------------------|---|--------|--------|--------|--------|--------|---------|
| beam angle mixed white(m) | 0 | φ 0.79 | φ 1.58 | φ 2.37 | φ 3.17 | φ 3.96 | φ 4.75 |
| beam angle white(m) | 0 | φ 0.79 | φ 1.58 | φ 2.37 | φ 3.17 | φ 3.96 | φ 4.75 |
| beam angle red(m) | 0 | φ 0.79 | φ 1.58 | φ 2.37 | φ 3.17 | φ 3.96 | φ 4.75 |
| beam angle green(m) | 0 | φ 0.79 | φ 1.58 | φ 2.37 | φ 3.17 | φ 3.96 | φ 4.75 |
| beam angle blue(m) | 0 | φ 0.79 | φ 1.58 | φ 2.37 | φ 3.17 | φ 3.96 | φ 4.75 |
| spot angle mixed white(m) | 0 | φ 1.72 | φ 3.45 | φ 5.17 | φ 6.89 | φ 8.62 | φ 10.34 |
| spot angle white(m) | 0 | φ 1.72 | φ 3.45 | φ 5.17 | φ 6.89 | φ 8.62 | φ 10.34 |
| spot angle red(m) | 0 | φ 1.75 | φ 3.49 | φ 5.24 | φ 6.99 | φ 8.73 | φ 10.48 |
| spot angle green(m) | 0 | φ 1.73 | φ 3.46 | φ 5.19 | φ 6.92 | φ 8.65 | φ 10.38 |
| spot angle blue(m) | 0 | φ 1.73 | φ 3.46 | φ 5.19 | φ 6.92 | φ 8.65 | φ 10.38 |

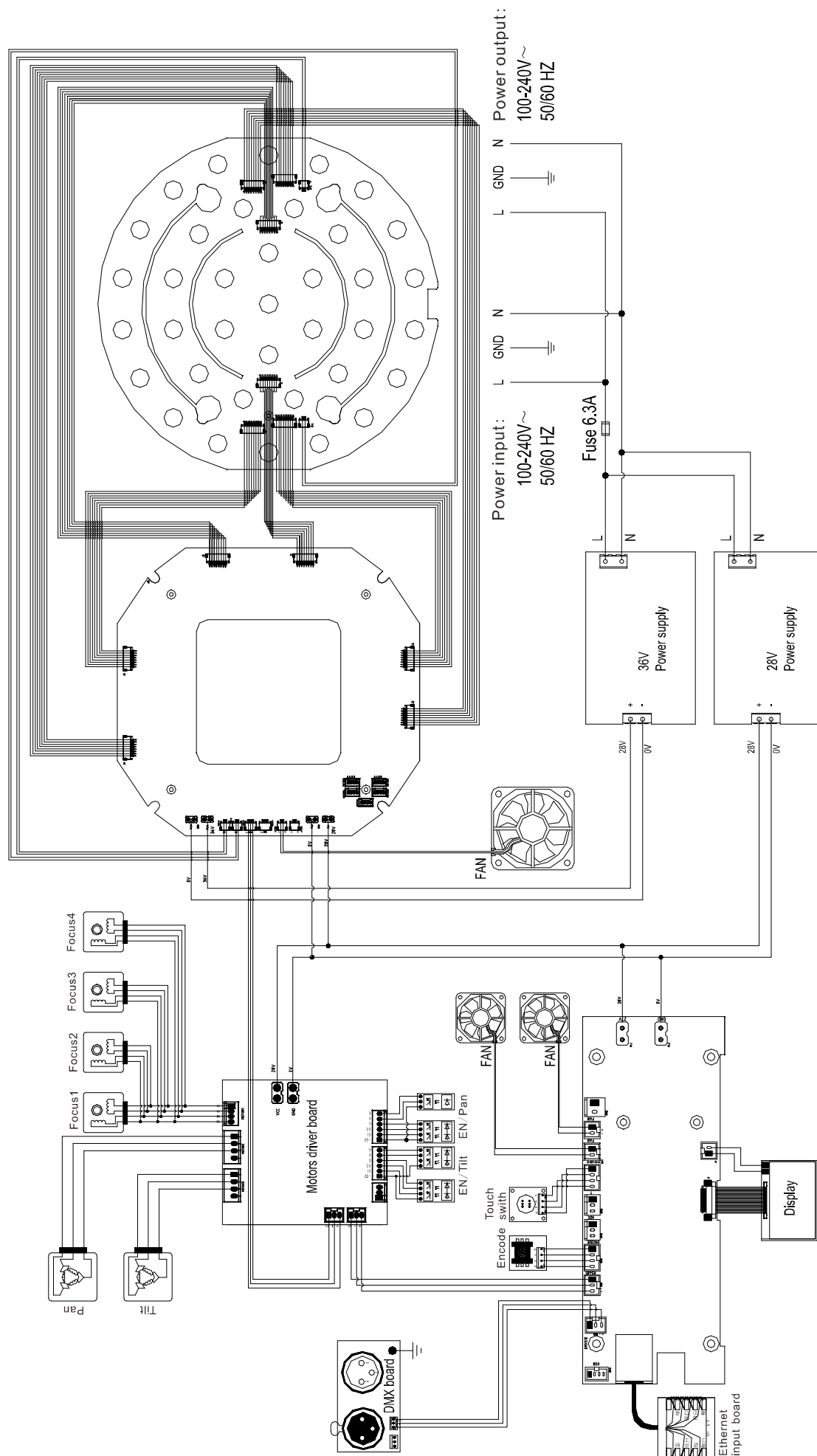
◆ large spot luminance chart

| luminance(lux) | | | | | | | |
|-----------------------------|---|------|-----|-----|-----|----|----|
| beam angle mixed white(lux) | 0 | 2292 | 573 | 255 | 143 | 92 | 64 |
| beam angle white(lux) | 0 | 1154 | 289 | 128 | 72 | 46 | 32 |
| beam angle red(lux) | 0 | 359 | 90 | 40 | 22 | 14 | 10 |
| beam angle green(lux) | 0 | 910 | 228 | 101 | 57 | 36 | 25 |
| beam angle blue(lux) | 0 | 148 | 37 | 16 | 9 | 6 | 4 |
| spot angle mixed white(lux) | 0 | 1873 | 468 | 208 | 117 | 75 | 52 |
| spot angle white(lux) | 0 | 982 | 245 | 109 | 61 | 39 | 27 |
| spot angle red(lux) | 0 | 333 | 83 | 37 | 21 | 13 | 9 |
| spot angle green(lux) | 0 | 753 | 188 | 84 | 47 | 30 | 21 |
| spot angle blue(lux) | 0 | 144 | 36 | 16 | 9 | 6 | 4 |



| diameter(m) | | | | | | | |
|---------------------------|---|---------|---------|----------|----------|----------|----------|
| beam angle mixed white(m) | 0 | φ 1. 80 | φ 3. 60 | φ 5. 41 | φ 7. 21 | φ 9. 01 | φ 10. 81 |
| beam angle white(m) | 0 | φ 1. 80 | φ 3. 60 | φ 5. 41 | φ 7. 21 | φ 9. 01 | φ 10. 81 |
| beam angle red(m) | 0 | φ 1. 80 | φ 3. 60 | φ 5. 41 | φ 7. 21 | φ 9. 01 | φ 10. 81 |
| beam angle green(m) | 0 | φ 1. 80 | φ 3. 60 | φ 5. 41 | φ 7. 21 | φ 9. 01 | φ 10. 81 |
| beam angle blue(m) | 0 | φ 1. 80 | φ 3. 60 | φ 5. 41 | φ 7. 21 | φ 9. 01 | φ 10. 81 |
| spot angle mixed white(m) | 0 | φ 1. 39 | φ 6. 99 | φ 10. 48 | φ 13. 97 | φ 17. 46 | φ 20. 96 |
| spot angle white(m) | 0 | φ 3. 54 | φ 7. 08 | φ 10. 62 | φ 14. 16 | φ 17. 70 | φ 21. 24 |
| spot angle red(m) | 0 | φ 3. 54 | φ 7. 08 | φ 10. 62 | φ 14. 16 | φ 17. 70 | φ 21. 24 |
| spot angle green(m) | 0 | φ 3. 54 | φ 7. 08 | φ 10. 62 | φ 14. 16 | φ 17. 70 | φ 21. 24 |
| spot angle blue(m) | 0 | φ 3. 54 | φ 7. 08 | φ 10. 62 | φ 14. 16 | φ 17. 70 | φ 21. 24 |

Attached 3: FINE 1537WASH Wiring Diagram





FINE ART Website

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