Contents

P/N: 390383000060 Version: E

Declaration:

1.Safety information

After receiving the ISPOT PILOT, 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.

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

DANGER!
Safety hazard. Risk of severe injury or death.

DANGER!
Refer to manual before installing, powering or servicing.

DANGER!
Hazardous voltage. Risk of severe or lethal electric shock.

Warning!
Fire hazard.

Replace any cracked protective shield.

Rated maximum ambient temperature is 45°C.

For indoor use only.

This product is intended for professional use only.
Pay attention to thermal shock when using this product.Risk of severe injury or death caused by shedding.

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

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.

This fixture falls under protection class I. Each product must be grounded correctly, and be installed according to related regulation.
Unplug the power cord when replace the components.

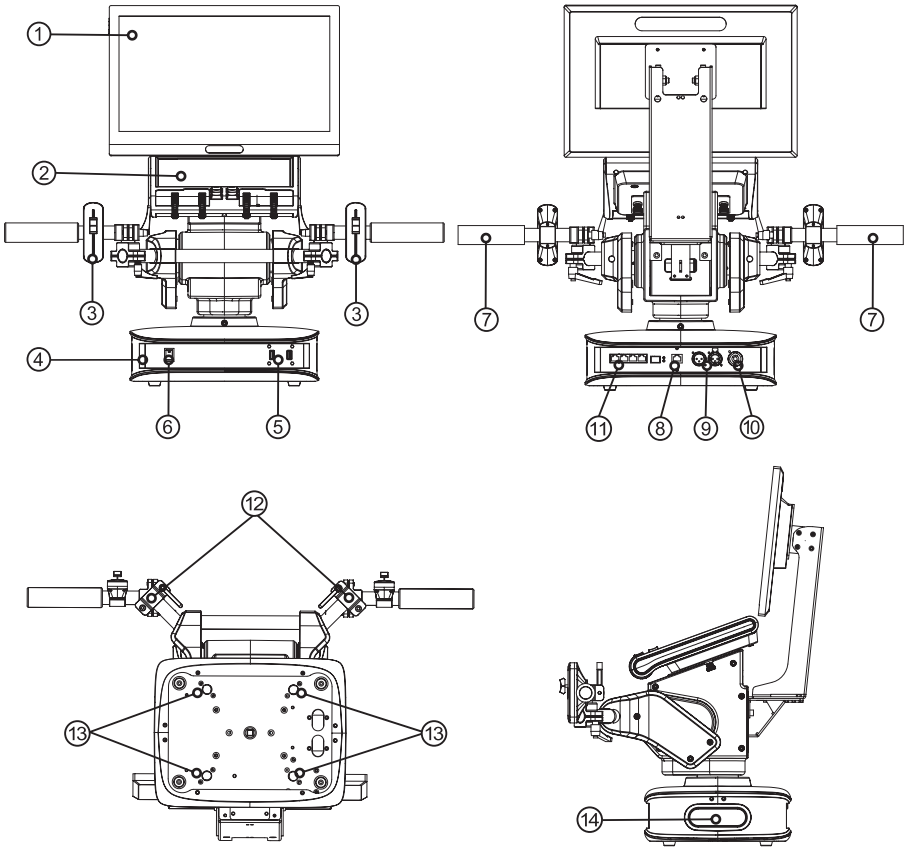
Protection against explosion

Protection screen must be replaced if they have become visible damaged to such an extent that their effectiveness is impaired.

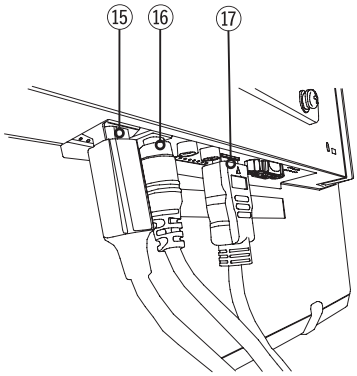
Protection against burning or fire

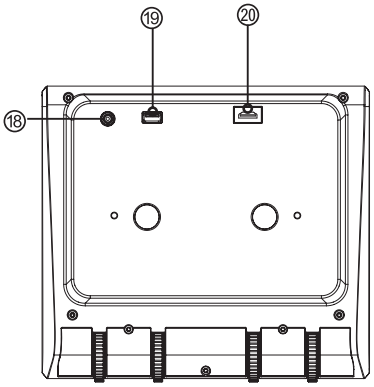
Keep flammable materials far away from the product. Minimum distance from the flammable materials is 0.5m.
FINE ISPOT PILOT should not be used in humid and dusty weather environments.
Do not place electronic products or other items on the device.
Do not replace non original parts.

2. Description of the product



① Main-screen	⑧ Ethernet
② Minor-screen	⑨ DMX in/out
③ Faders	⑩ Power in
④ Base	⑪ Network/Camera in
⑤ USB	⑫ Adjusting locks for handles
⑥ Reset switch	⑬ Apertures for locks
⑦ Control handlebars	⑭ Base handles





⑮ USB2.0	⑱ DC power in
⑯ DC power in	⑲ USB2.0
⑰ HDMI	⑳ HDMI

3.Packaging and delivery

FINE ISPOT PILOT is packed with flight case.One single standard flight case carries one fixtures, Included items listed below (shown as table 3.1-1):

Accessories	QTY	UNIT
Power cable	1	PCS
Tripod	1	PCS
User manual	1	PCS
Fuse (2A 5×20)	1	PCS
Signal cable	1	PCS

Table (3.1-1)

4.Installation

4.1 Install a tripot

1. Before installation, verify whether the fasteners of tripod tray are damaged.
2. Place the main body of the ISPOT PILOT system horizontally, insert the assembled tripod into the mounting hole of the base. Clockwise lock all quarter-turn locks.
3. After adjust height of the tripod, locking ①②③④ handles.

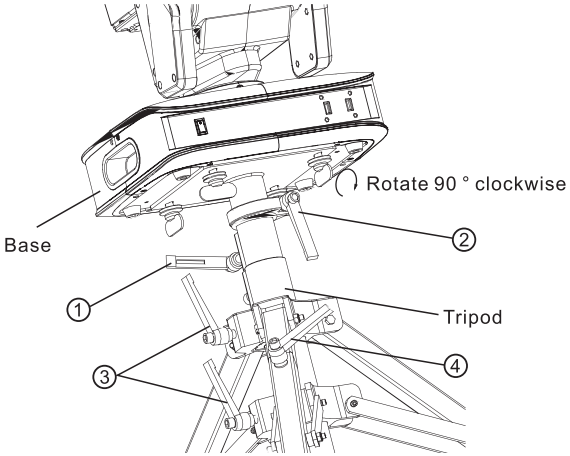


Fig.(4.1-1)

4.2 Hang the fixtures

Method of determining the physical orientation consistency of multipe devices:After mating the fixtures,use the FINE ISPOT PILOT to control and shake each device first,and abserve whether the shaking direction of the head is consistent with the movement direction of the fixtures.

4. 2. 1 Hang EYE+any other lighting fixtures

Hang EYE and any other lighting fixtures, the two need to be at least 0. 5 meters apart and have consistent physical orientation. The fixtures should be hung perpendicular to the stage and ideally on the same truss, fig(4. 2-1). Note:If there are multiple third-party lights, they must be from the same manufacturer and of the same model. Additionally, if the third-party light library need to be remade, you can write it yourself based on the light library creation munual(it can be downloaded from the official website or obtained by contacting our company's after-sales service).

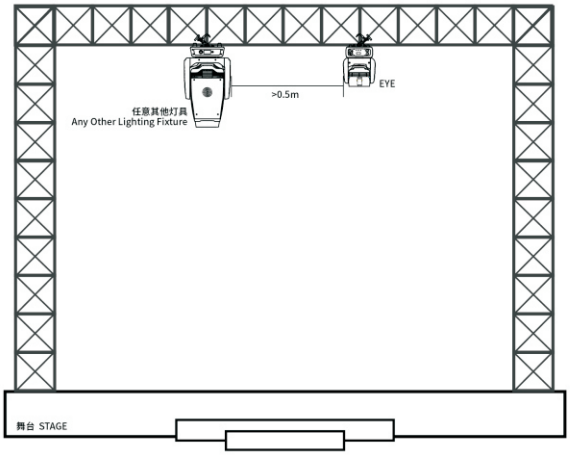


Fig.(4.2-1)

4. 2. 2 Hang a lighting fixture with camera attached

The fixtures with camera attached should be hung perpendicular to the stage.Fig(4. 2-2).

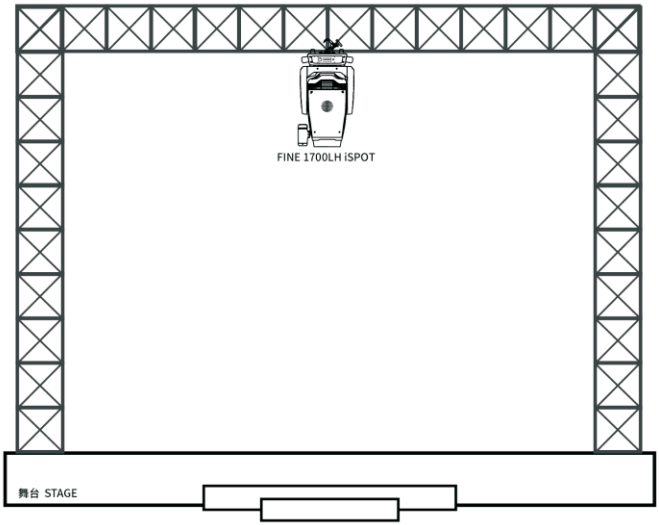
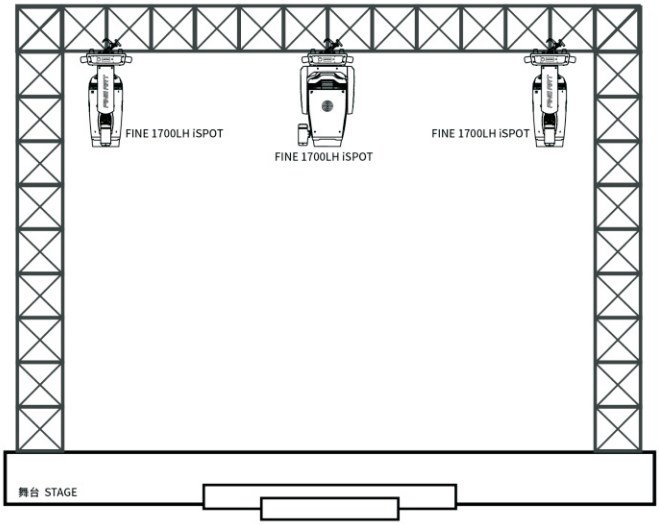


Fig.(4.2-2)

4.2.3 Hang multiple lighting fixtures with camera attached

When hanging multiple lighting fixtures with camera attached, it is necessary to maintain consistent physical orientation. The fixtures should be hung perpendicular to the stage. The can be installed on different trusses.Fig（4. 2-3）.



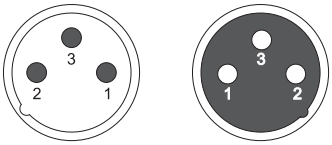
（Fig.4.2-3)

5 .Data link

Notice: 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 connecters are provided for device DMX input and output. Pin 1 is for earthing, pin 2 is for minus signals, and pin 3 is for plus signals.



3-pin XLR connector

DMX 512
Pin1: GND
Pin2: Signal(-)
Pin3: Signal(+)

Fig.(5-1)

The ISPOT PILOT has a signal input terminal (can be connected to the console). Signal output terminal connected one or more FINE ART fixture (for example: FINE 1400L ISPOT). Connect the ISPOT PILOT camera network port (CAMERA + UPDATE to the fixture network port(CAM OUT). Refer to Chapter 15 Connection Diagram.

USB port can be inserted into the drive device (mouse or keyboard auxiliary device). Do not connect to other electronic products such as mobile phones, it may cause interference to the device. Fig.(5-2).

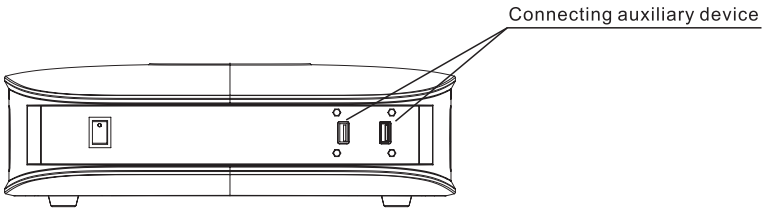


Fig.(5-2)

6.AC power supply

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.

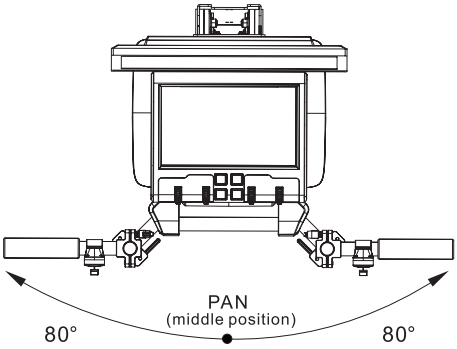
The person must have the relevant qualification to connect the power supply. The AC power voltage shall be suitable to the lamp provided with over-loading or creepage protection.

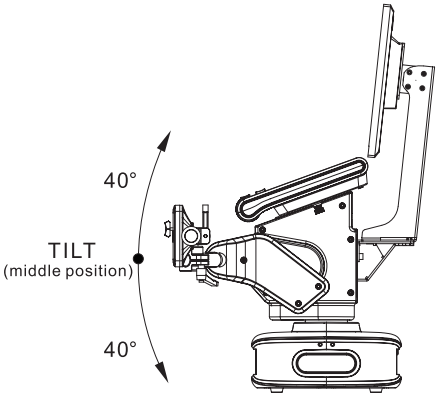
Connecting the equipment to the power supply, do not connect to silicon box system, or else, it will destroy the equipment. The fixture is provided with standard 3-pin or 5-pin socket. Please according to table 9.2-2 connect to power supply, Yellow/green line must be earthed. If you still have any question to the installation, please consultant with the experienced electrician.

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

7 .Operation description

7.1 Basic operation





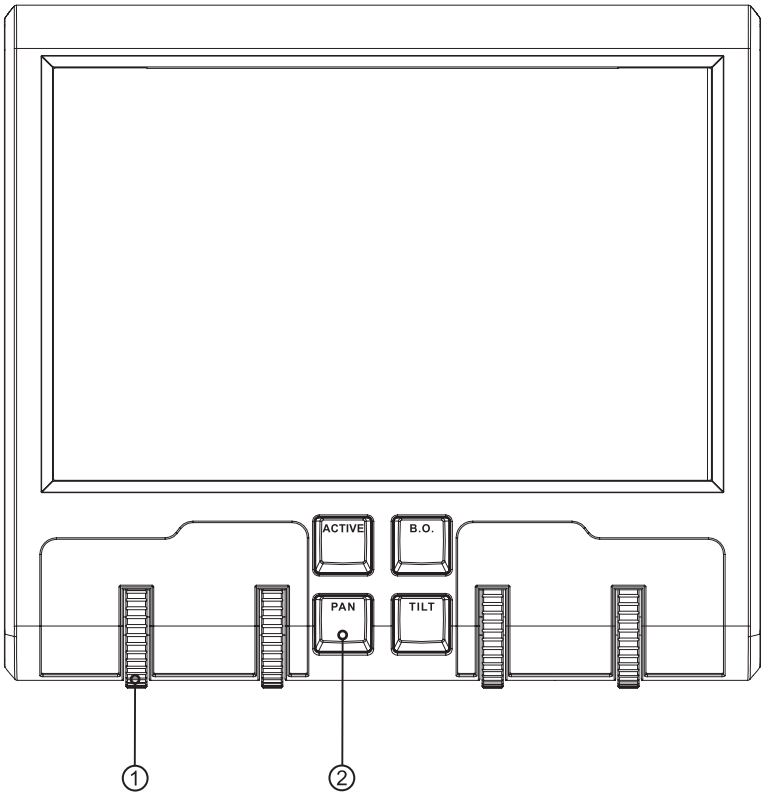
①Main-screen: Image scanned by the camera is displayed on the LCD screen.

②Minor-screen: It control fixture effect and setting materials.

③Fader: 2 faders, mapped channels (functions) on it.

④Control handlebars: It control fixture to move horizontal or vertical.

7.2 Basic operation of Minor-screen



①Jog-wheel: 4 jog-wheels, mapped channels (functions) on it.

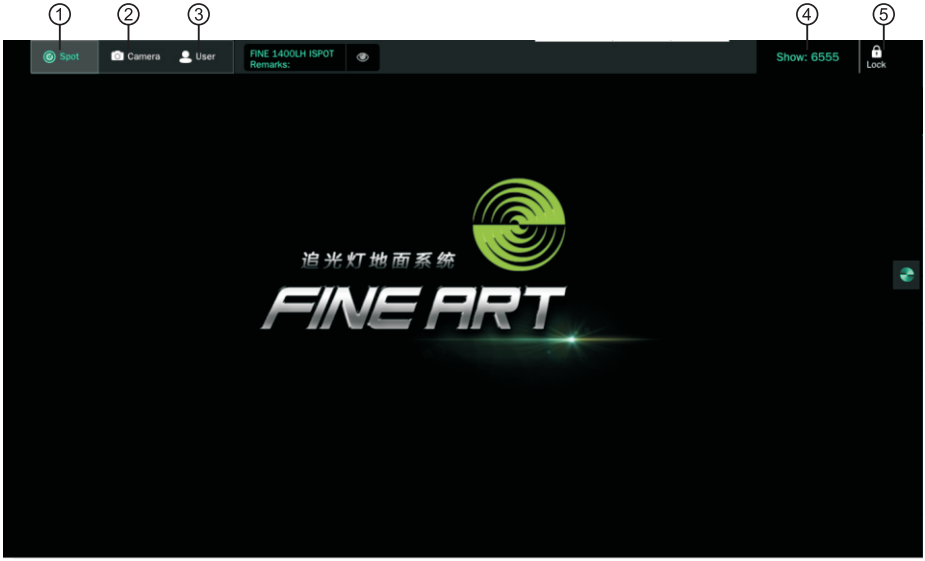
②Button: There are four buttons and four functions in total (mapping function cannot be set)

- ACTIVE: Activate the functions of the four buttons.
- B.O.: The lamp is turned off, similar to the console "B.O" function.
- PAN: Horizontal control can be activated/locked.
- TILT: Vertical control can be activated/locked.

8.Main-screen operation

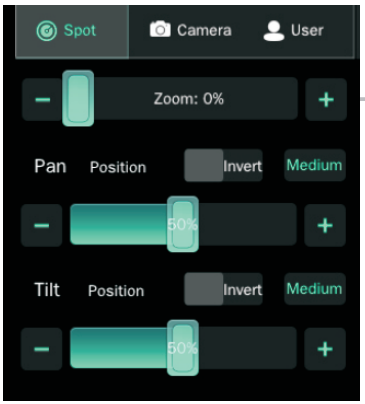
8.1 Main-screen functions

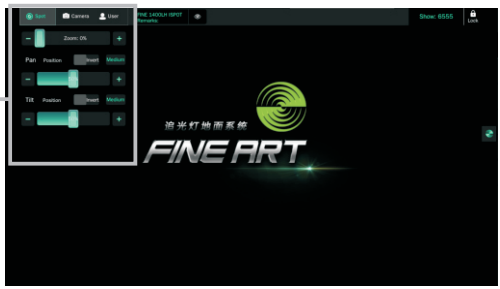
FINE ISPOT PILOT is equipped with the 15.6" touch screen. After switching the fixture with camera on, image scanned by the camera is displayed on the LCD screen. Boot screen shown as figure.



① Follow-SPOT button
② Camera button
③ User button
④ Display the name of the current SHOW, which can be replaced
⑤ Screen lock

8.1.1 Follow-SPOT slider button

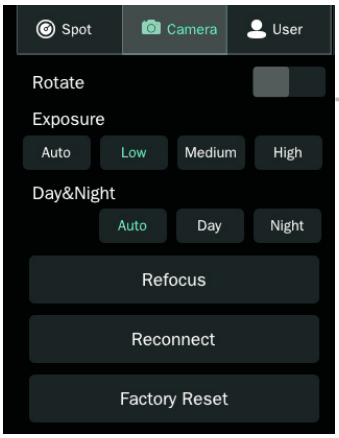


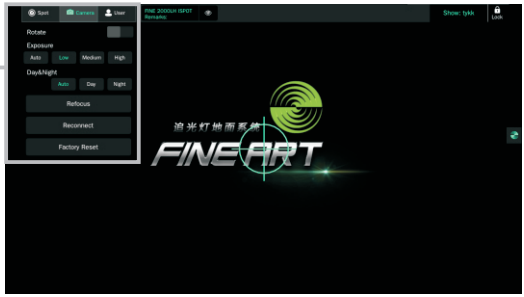


ZOOM: Use it to change a zoom of camera. Press"-/+" button can adjust fine the focal length of the camera. After changing of zoom size, picture is automatically focused.

Pan/Tilt position: Use them to move a moving head to the desired position. Corresponding to the up, down, left, and right movements of the handle, reverse movements can be set, and "-/+" symbols can adjust fine the position of the fixture.

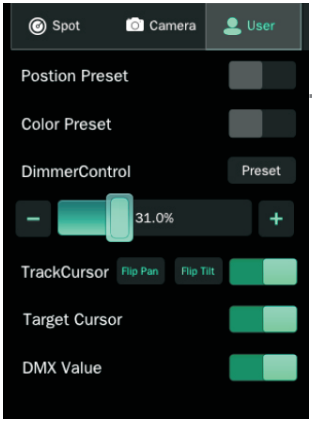
8.1.2 Camera button

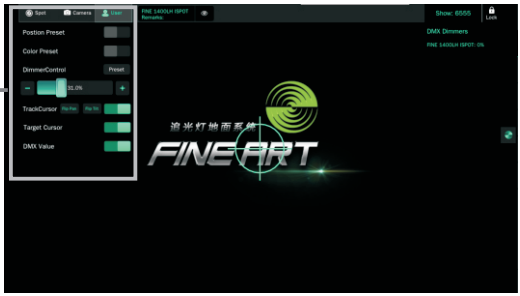




Rotate: Use this item to rotate a picture on the touch screen 180 degrees from current orientation.
Exposure: Manually set the exposure level of the 3-speed camera (low, medium, high) to adjust for the problem of unclear imaging caused by the camera's brightness. Press the "Auto" button to cancel manual exposure.
Day&Night: Set day scenes and night scenes(Auto,day, night).
Refocus: Manually set the camera to refocus to adjust for unclear imaging caused by camera refocus.
Reconnect: The item again connects active camera to the ISPOT PILOT. Use the item in case that behaviour of the camera is not correct.
Factory Reset: Restore the settings to the factory default state.

8.1.3 User button





Position Preset: Can add and modify fixture position materials.
If the function is on, the "+" button will appear at the bottom of the screen. Move the position to desired position and press the "+" button to add materials. It also saves the zoom in and out values of the camera.
After successful addition, a numerical button will be added to the menu in order. If you press a material button, the position will move to the position of this position button. Long press the number button, and a "-" will appear in the top right corner of the button. Click again to delete the materials.

Color Preset: Can add and modify fixture color materials.
If the function is on, the color button will appear at the bottom of the screen. Press the "+" button to add materials. Press the "+" button, a color box will appear, and you can modify the RGB/CMY values as needed. Press the "OK" button to add color materials. Press the 'Close' button to quit the settings. After successful addition, a color button will appear in the menu. Long press the color button, and a "-" will appear in the top right corner of the button. Click again to delete the materials.
press button to set the CMY value to 0, RGB value to 100, and the lamp to white.

Dimmer Control: Adjust brightness of all fixtures during multi fixture mode. Press the “Preset” button to turn it on, dimmer preset menu and dimmer control menu will appear at the bottom of the screen. Slide the slider of the dimmer control to adjust the brightness, press the “+” and “-” on the side of it to adjust fine the brightness. Press the “+” button to add dimmer control value.

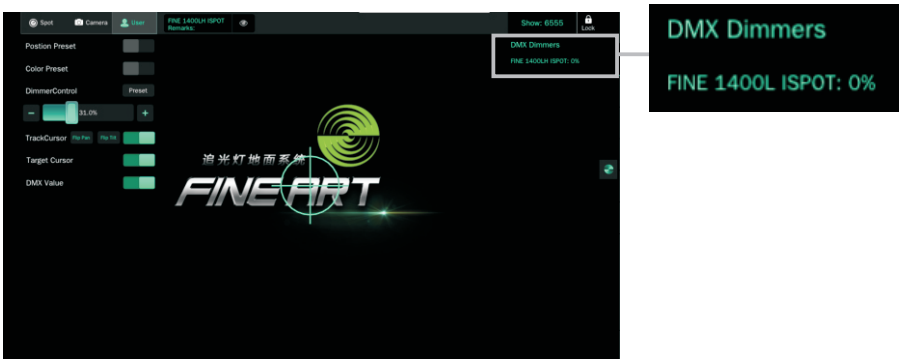
After successful addition, the preset menu will appear a brightness button of in percentage. Press a brightness button to adjust brightness of the fixture. Long press the brightness button, and a “-” will appear in the top right corner of the button, click again to delete it. Click on the blank space of the interface to cancel deletion.

Track Cursor: If the function is on, a cyan cursor circle will appear. When the ISPOT PILOT moves up, down, left, and right, the track cursor will first respond, and the target cursor will follow. The track cursor can reverse horizontally and vertically according to the on-site situation.

Flip Pan: Flip cursor horizontal movement direction.
Flip Tilt: Flip cursor vertical movement direction.

Target Cursor: If the function is on, a red cursor circle will appear. Drag the center point of the cursor to move it to the center of the beam. Drag the outer edge to zoom in and out.
When using the handlebars to control the movement of the fixture, the center of the beam and the cursor in the screen will move together. you can still know the position of the beam when if the fixture is turned off.
Notice: After switching cameras, the cursor needs to be recalibrated and aimed at the beam.

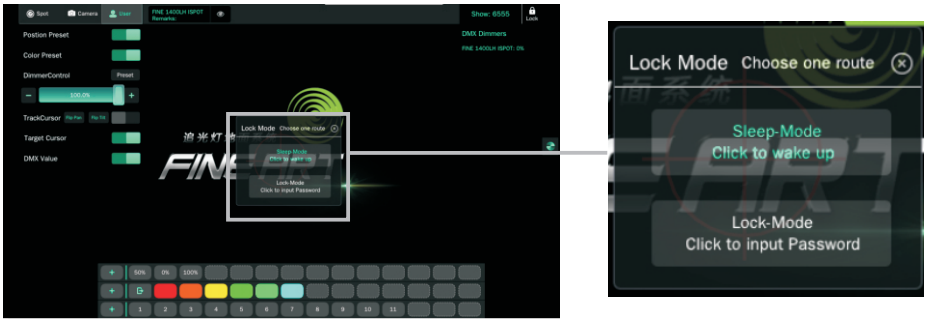
DMX Value: If the function is on, the DMX dimmers value will appear on the upper right corner of the screen.



8.2 Main-screen lock function

Click the lock button on the top right of the Main-screen, The lock mode menu will appear in the middle of the screen.

There are 2 modes: Sleep Mode and Lock Mode.



Sleep Mode: The Main-screen will sleep. Click the button to wake up.

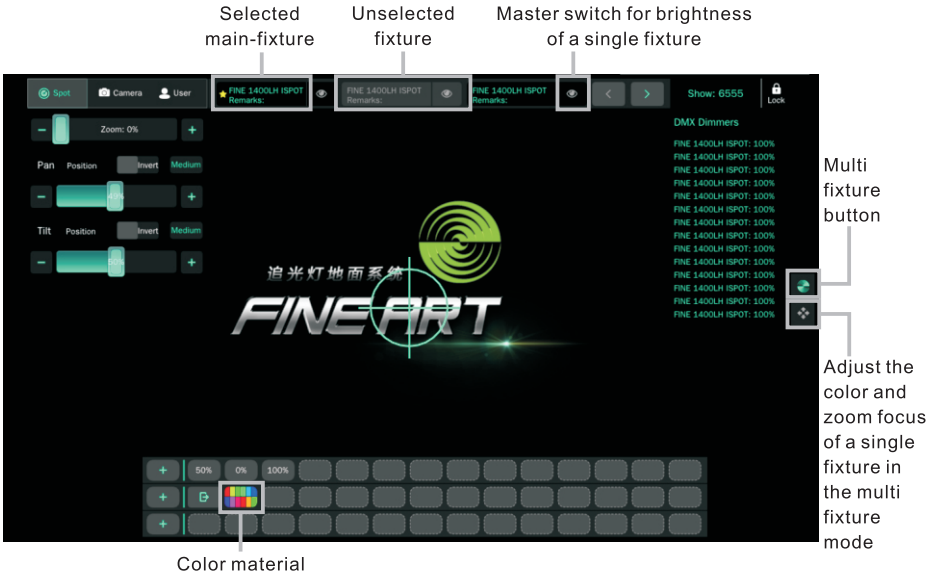
Lock Mode: The Main-screen enters a locked state. Unlock the screen after entering password.

After the screen is locked, you can double-click the screen to activate it. Unlock the screen after entering password.

Notice: If you forget your password after locking, you can restart the device to reset it.

8.3 Main-screen multi fixture mode

Before the multi fixture mode is turned on, after connecting multi fixture, you need to click the CHAIYI logo icon on the right. The selection of matching fixtures will be displayed above the Main-screen, click them to switch the fixture.



★ : Main fixture.

: Master switch for brightness of a single fixture.

Storage of color materials and position materials: Click on the square symbol on the right side of the main screen to enter the single fixture adjustment mode. You can select the fixture to change the color above the main screen, and then select the color in the color bar. After adjustment, press the confirmation of the color materials to save the color materials of multiple lamps. The operation of position materials is the same to it.

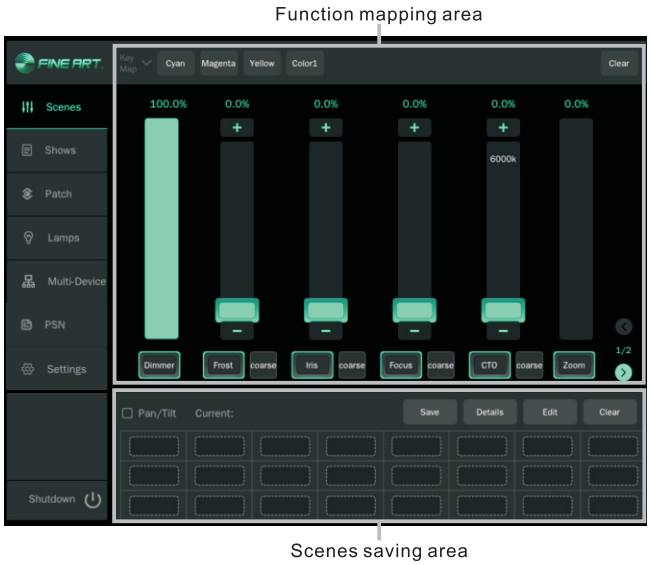
8.4 Menu shrink function

After expanding the “SPOT” , “Camera” , and “User” menus in the main functions of the Main-screen, double-click the main function button to retract and hide the function menu. Click again to expand and display it.

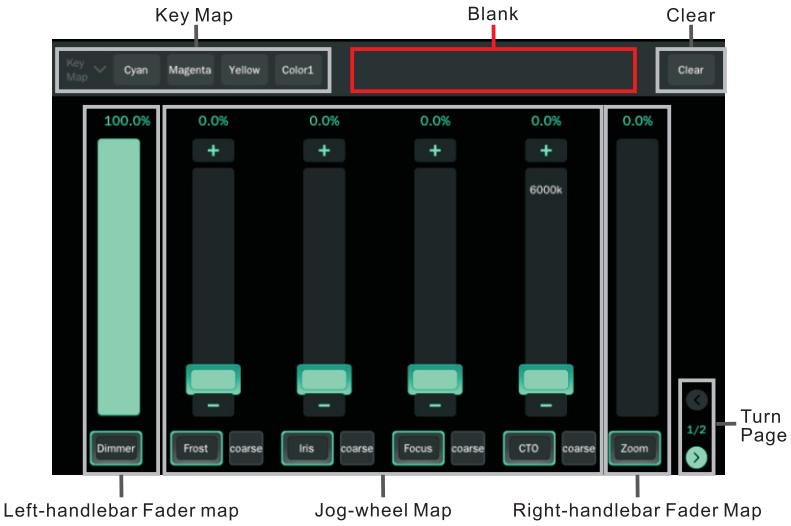
9.Minor-screen operation

There are 7 main function options in the minor-screen: Scenes, Shows, Patch, Lamps, Multi-Device,PSN,Settings.

9.1 Scenes: It can map functions to jog-wheels and faders and save scenes. It can be divided into function mapping area and scene saving area.



9.1.1 Function mapping area:



Key Map: The required functions can be mapped to faders and jog-wheels. Click the function button in the key map area first, and then click the faders mapping button or jog-wheel mapping button below of the minor-screen. The button shows as the corresponding mapped function. A total of 10 functions can be mapped.

Clear: Delete the function of mapped jog-wheels or faders. Click the “Clear” button first, the button turns green, clear function is activated. Then click the jog-wheel or fader mapping button to clear the fuction. Click “OK”to delete it.

“+/-” button: Adjust fine of the value. Long press to quickly adjust.

9.1.2 Scenes saving area:

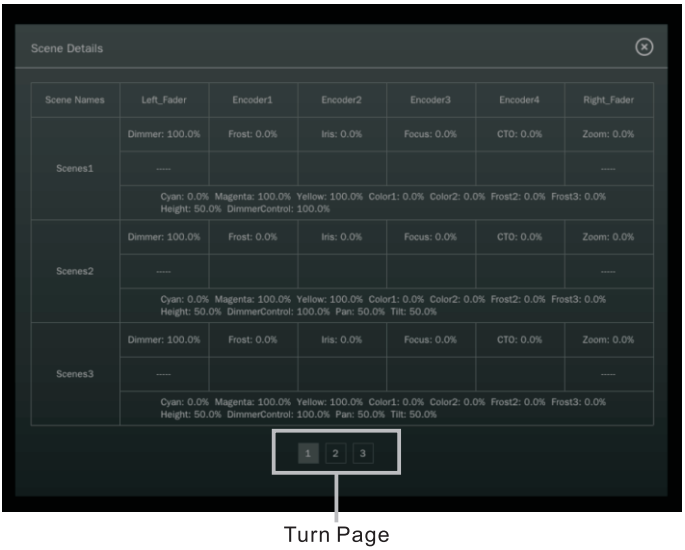
Pan/Tilt: Choose whether to save the vertical/horizontal position of the current scene.

Current: Display the scene name of the current application.

Save: Can save the current scene. Click on the “Save” button to save the mapping function and adjustment function values for each jog-wheels and faders. A new scene button is added to the table. If you need to delete a scene, long press the scene and a “-” will appear in the upper right corner. Click again to delete it.

Note: Support the arbitrary superposition of color and position materials between scenes.

Details: Display the functions and adjusted values of each faders and jog-wheel mapping in the saved scene. As shown in the following figure. Click on the page number below to turn pages and view.

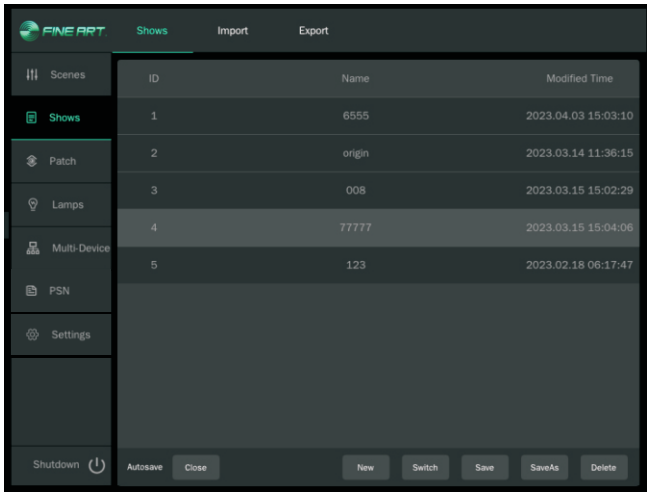


Edit: Change the name of the current active scene. Click on the scene button first and then click on "Edit", enter a new name and click the "Enter" button to complete the modification.

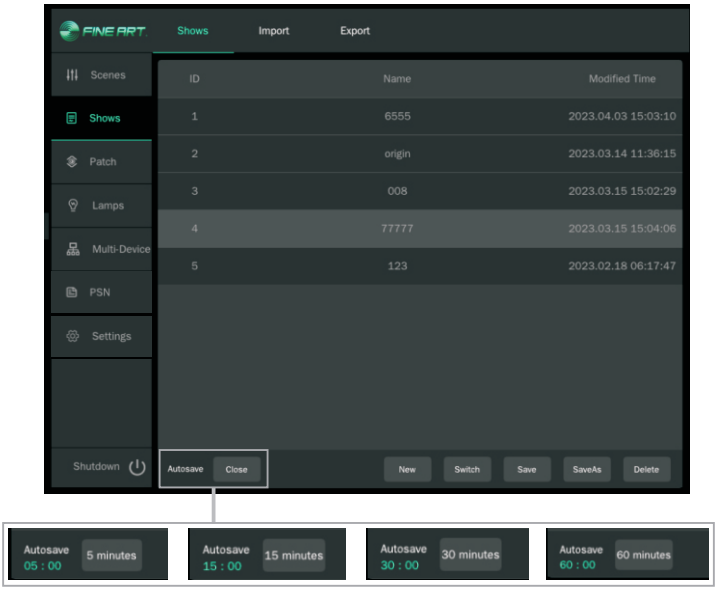
Clear: Clear the values of the fixtures, and re read the default light library of the fixtures. Users can choose the "Clear data and return to Scenes 1" option as needed to return to the first scenes configured by the user.
Delete: Long press a scene button to delete it.

9.2 Shows: You can choose autosave time, create, switch, save, save as, delete shows. You can also export a USB flash drive or import show from a USB drive. It can save the settings of the main-screen and the homepage of the minor-screen, Show, and setting of the fixture.

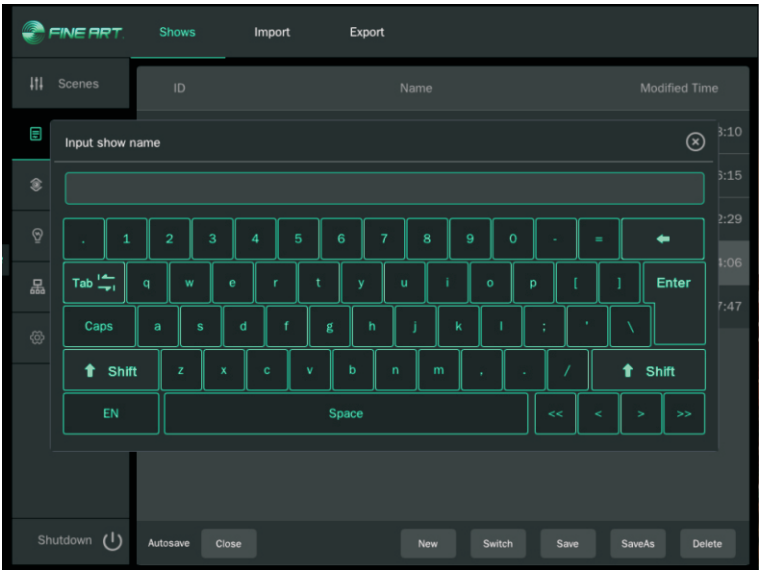
9.2.1 Shows:



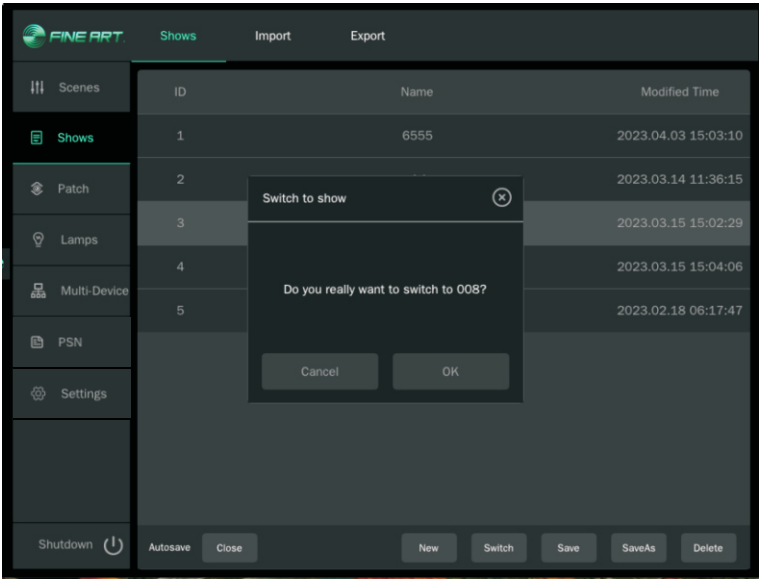
Autosave: Click the “Close” button to select the time for autosave. There are four time options available: “5 minutes”, “15 minutes”, “30 minutes”, and “60 minutes”.



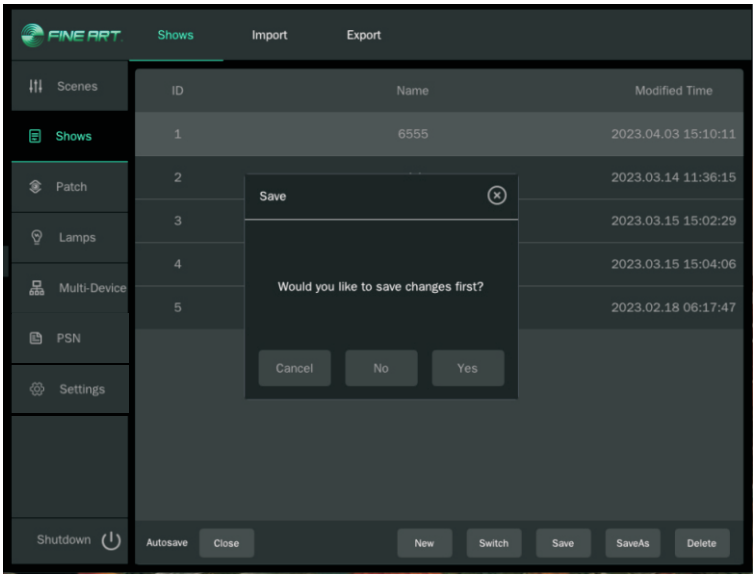
New: Click on the “New” button, enter the name, and then click “Enter”. A new “Show” will be added to the list.



Switch: Selecting a Show in the list, then click on “Switch”. Click “OK” to complete the switch Show.

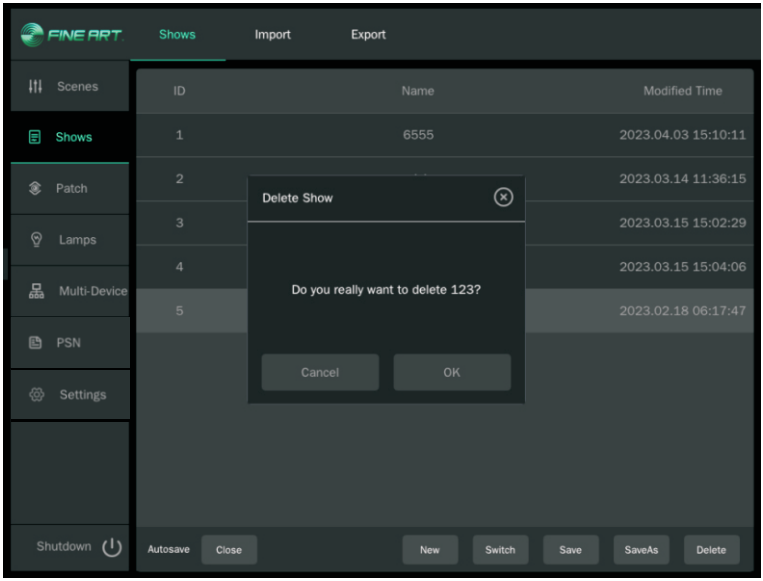


Save: Save the current Show configuration.

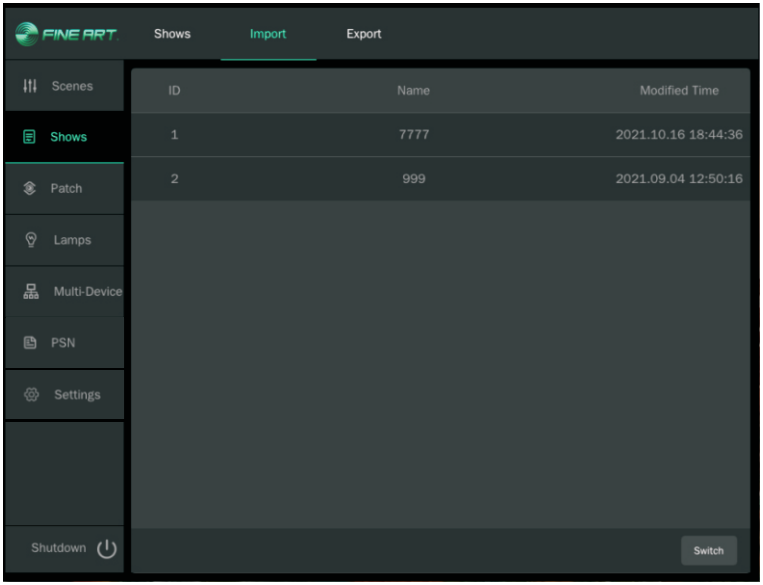


Show As: Create a new Show based on the current Show configuration. Selecting a Show in the list, then click “Save As”, enter a name, and a new “Show” will be added to the list.

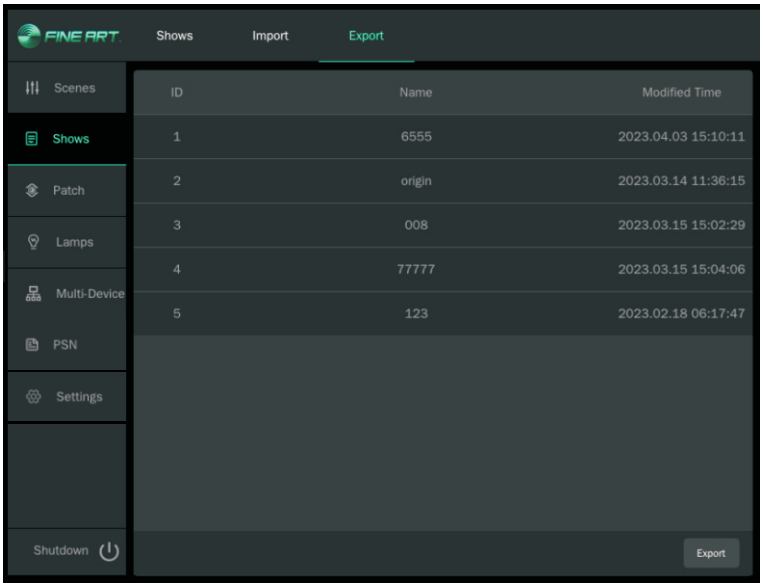
Delete: Selecting a Show in the list, then click “Delete” to delete it.



9.2.2 Import: Select Show in the list after insert the USB flash drive. Click on the "Switch" button to import a show and immediately switch to use it.



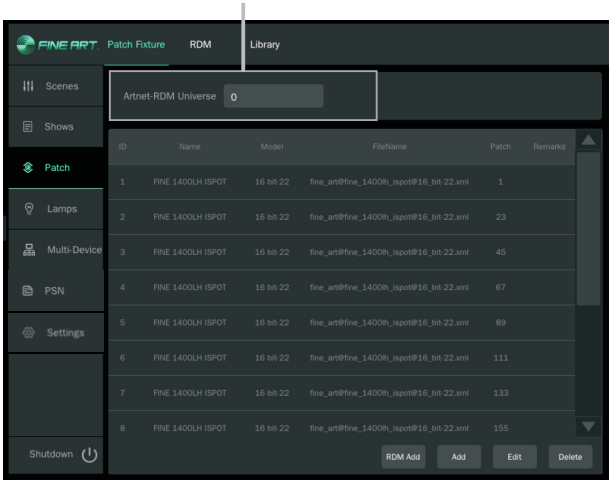
9.2.3 Export: Select Show in the list after insert the USB flash drive. Click on the "Export" button to export a show to the USB drive.



9.3 Patch: Configurable address code and light library. The device needs to be equipped with a light library and address code corresponding to the connected fixtures (the fixture with camera or FINE ISPOT EYE) in order to control the fixtures.

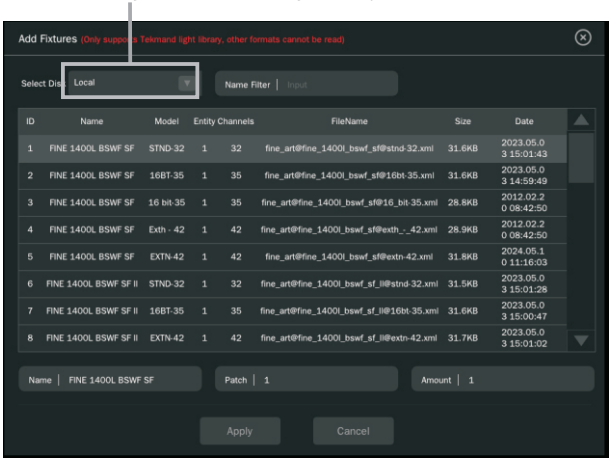
RDM Add: Connect the fixtures using network or fiber optic cables. The Artnet-RDM Universe of the ISPOT PILOT needs to be consistent with the fixtures. Then search for fixtures through “RDM Add”. The system has a built-in light library with the same name that will automatically match the light library. If the names are different, you can modify through “edit” or add the light library to control it.

The Artnet-RDM Universe of the ISPOT PILOT needs to be consistent with the fixtures.



Add: Add a new light library to the list manually. Click the “Add” button to select the corresponding light library, configure the address code and number of fixture, then click the “Apply” button to add them.

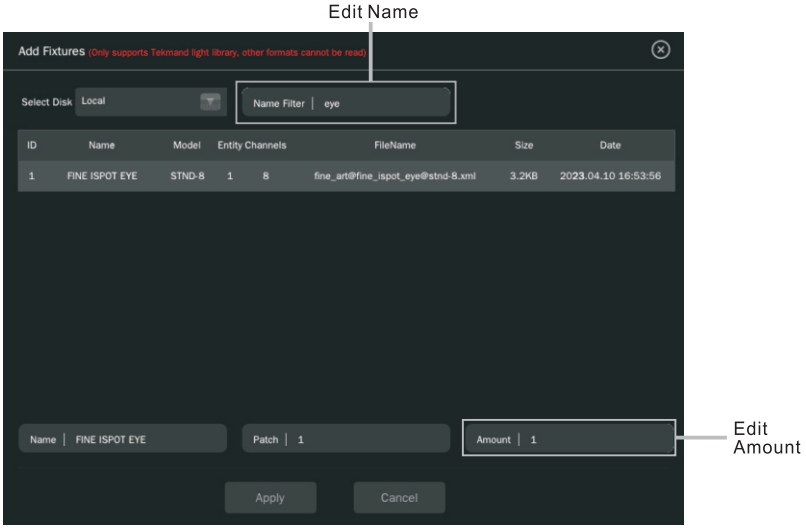
Select the storage location for the light library, local disk or USB drive



Note: At this stage, only the light libraries of Tekmand console can be read.If using other lighting fixtures of brands,the manufacture's name and lighting fixture model must be sent to our company for confirmation of their availability.

Edit: Modify the light library and address code of the fixture, and remark for the fixture.

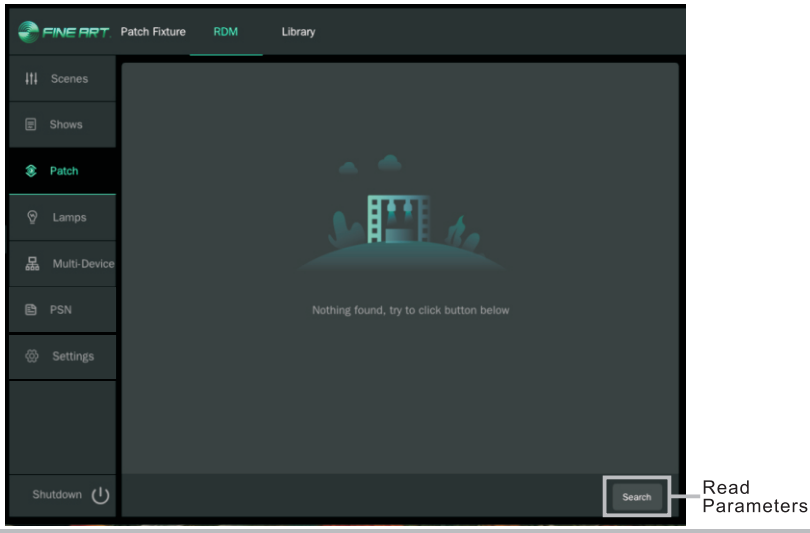
Delete: Delete a selected fixture from the list.



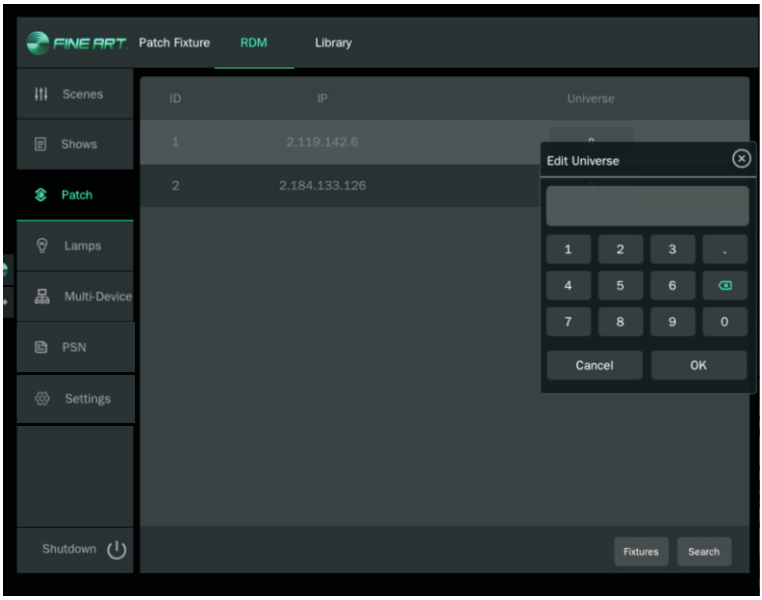
Note: Please finish the matching of the fixture lib, addressing and related qty before controlling the follow spot lights by FINE ISPOT EYE.

RDM: Connect the fixtures using network or fiber optic cables. The Artnet-RDM Universe of the ISPOT PILOT needs to be consistent with the fixtures toread the information of the fixtures.

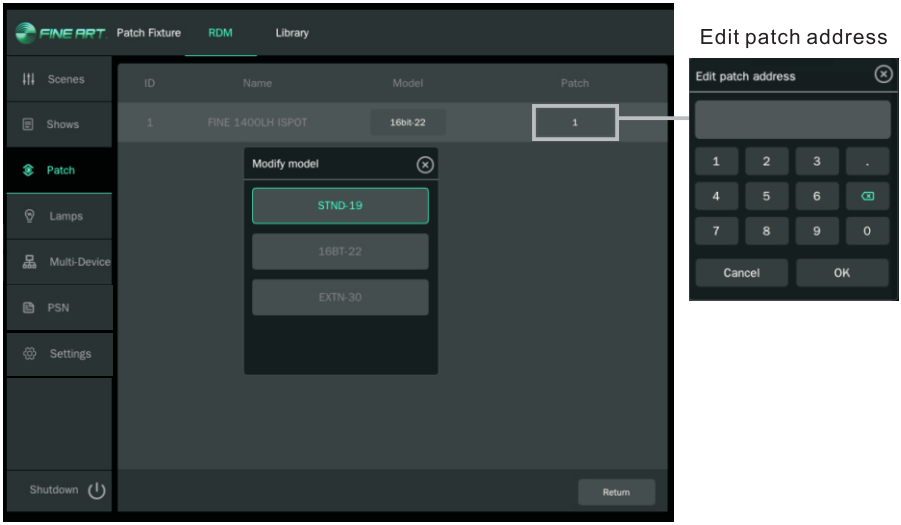
Search: Click to read the fixture parameters.



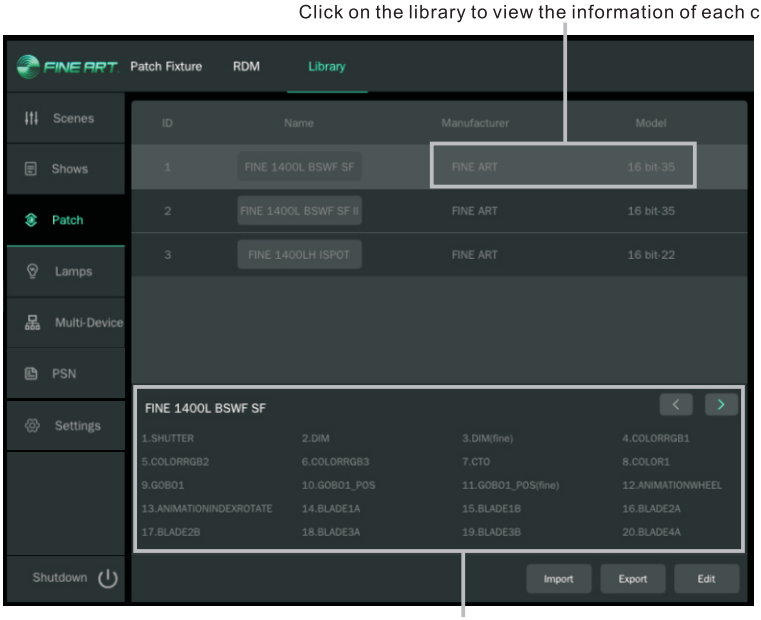
Edit Universe: Click to edit the value of the fixture universe.



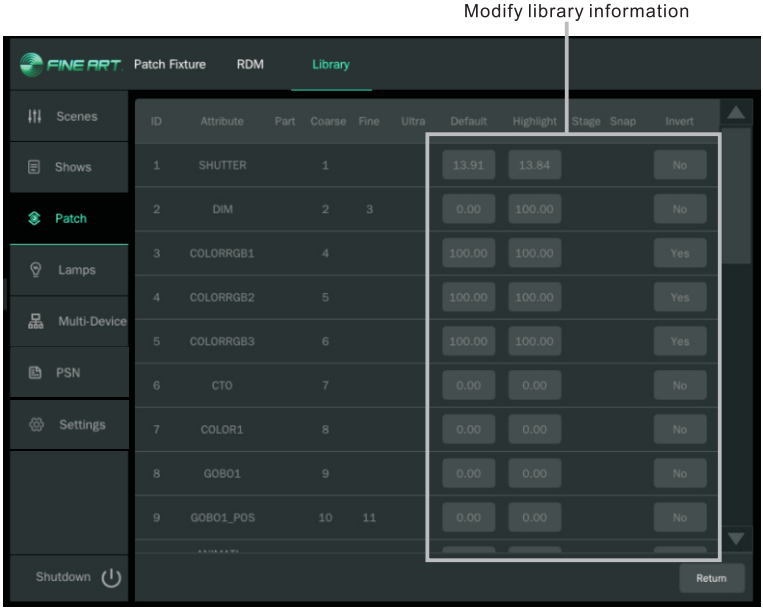
A list of fixture information will appear when searching for fixtures. Show the name, mode, and patch address of the fixtures. Click on the model or address code to modify the fixture information.



Library: Can edit the current SHOW's light library.



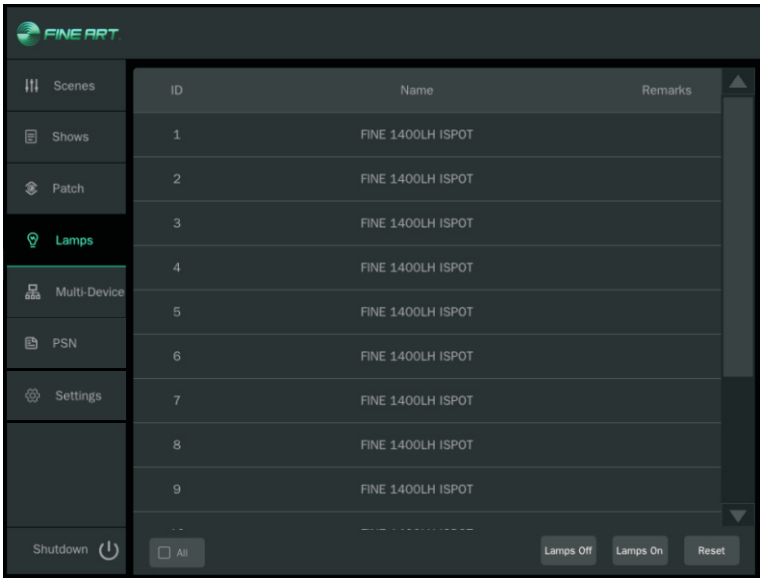
Edit: Click on the “Edit” button to modify library information.



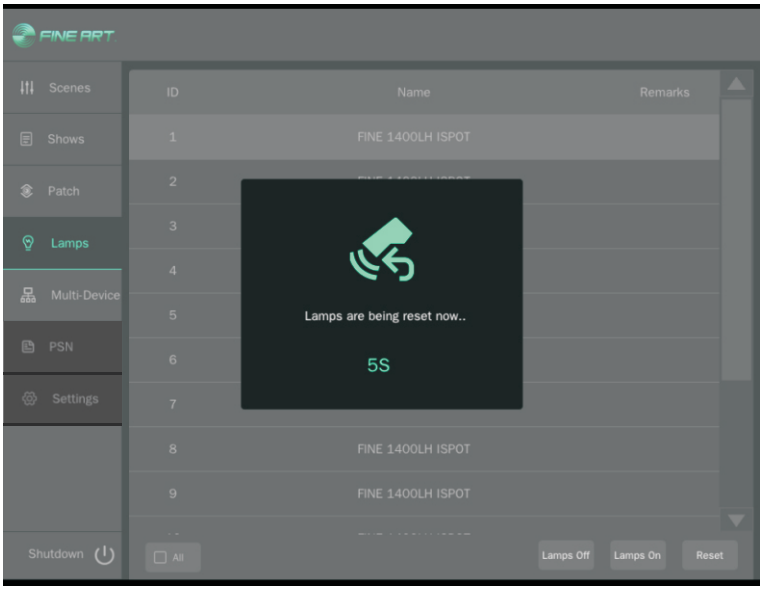
Import: Import light library in the local disk or USB flash drive.
Export: Export the modified library to a local disk or USB flash drive.

9.4 LAMPS: Turn on and turn off the lamp, reset the fixture.

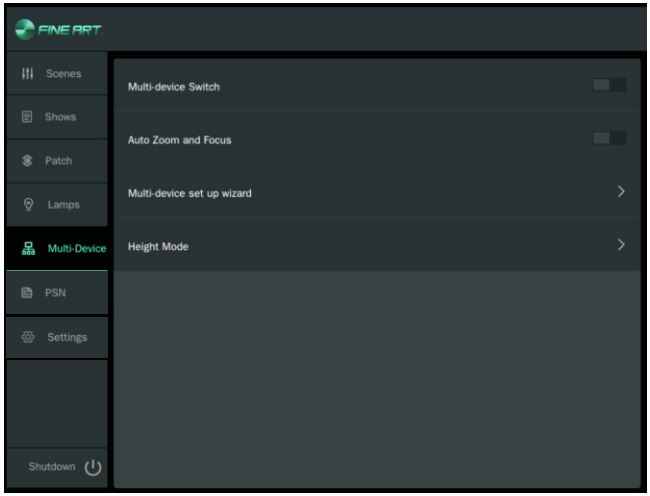
Lamps Off: Turn off the lamp.
Lamps On: Turn on the lamp.



Reset: Reset the lamp and display the during reset picture on the screen. Check whether the fixtures is reseted.



9.5 Multi-Device: Connect 2 or more fixtures according to the fixture connection diagram. Configure library to make sure that all fixtures are controlled.

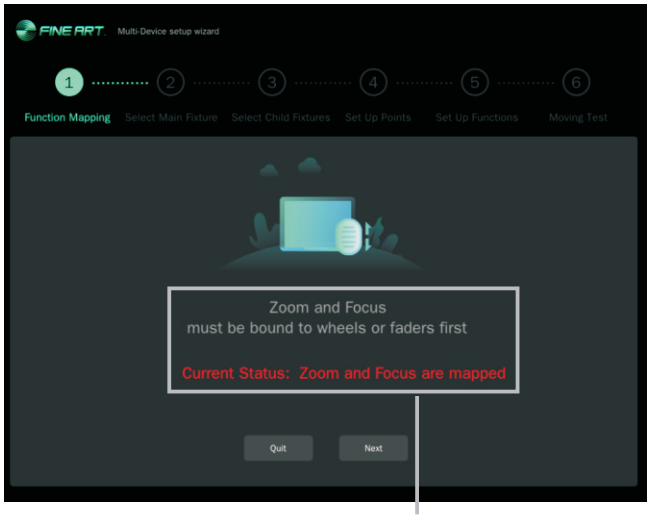


Multi-device Switch: Turn on or off operations on multi-devices.

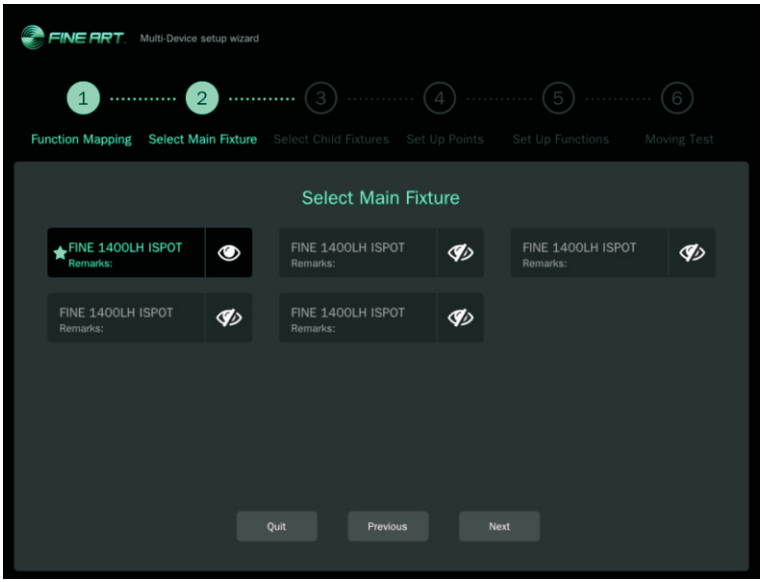
Auto Zoom and Focus: The effect of zooming and focusing multi-device during calibration is displayed,and it will also have an effect outside the calibration point.

Multi-device set up wizard: Follow the configuration wizard to set the function mapping, master-slave fixtures, setting points, and setting functions for multi-device.

①Function mapping: You need to map the zoom and focus to the Jog-wheels or faders to continue with the next step. Appear “Zoom and Focus are mapped” can continue to the next step.

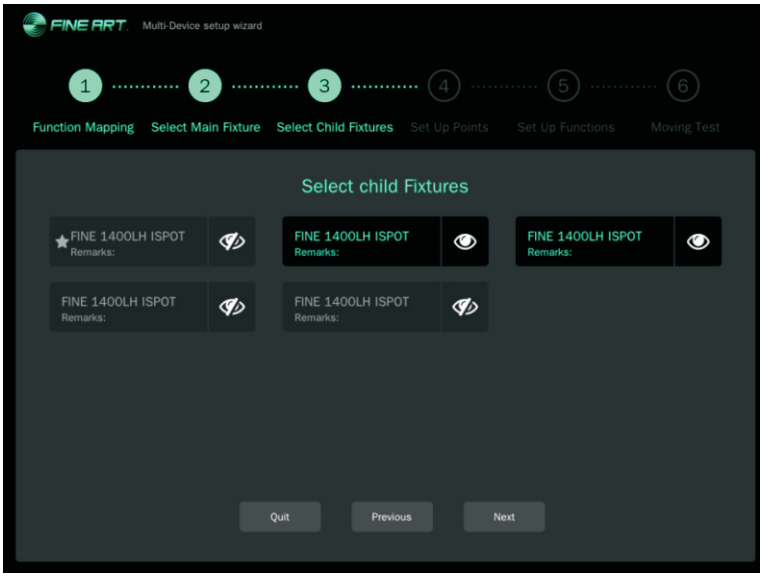


②Select Main Fixture: Select a fixture as the main fixture to continue with the next step. There will be a in front of the main fixture.

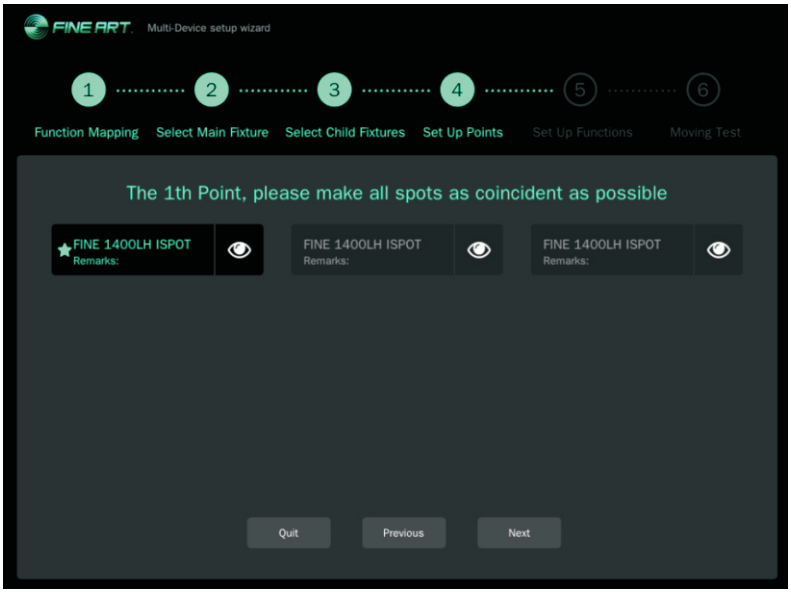


Note: When using the FINE ISPOT EYE, it must be selected as the main device.

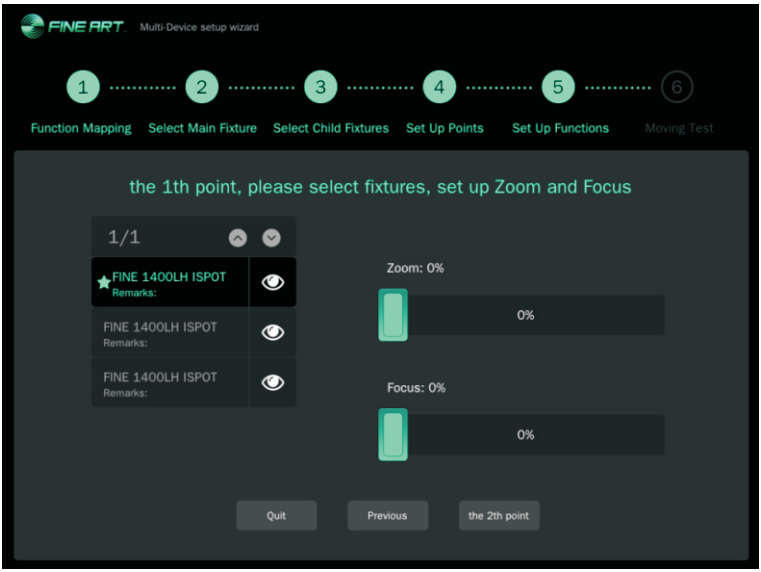
③Select Child Fixtures: Select fixtures as the child fixure in connected fixtures to continue with the next step.



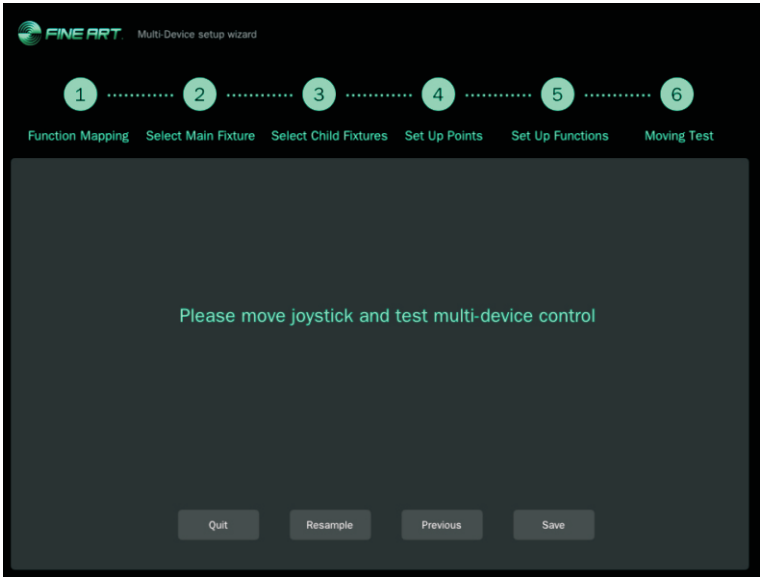
④Set up points: Select a point on the ground as the reference point, so that each fixture is illuminated on it, and the spot of each fixture overlaps as much as possible.

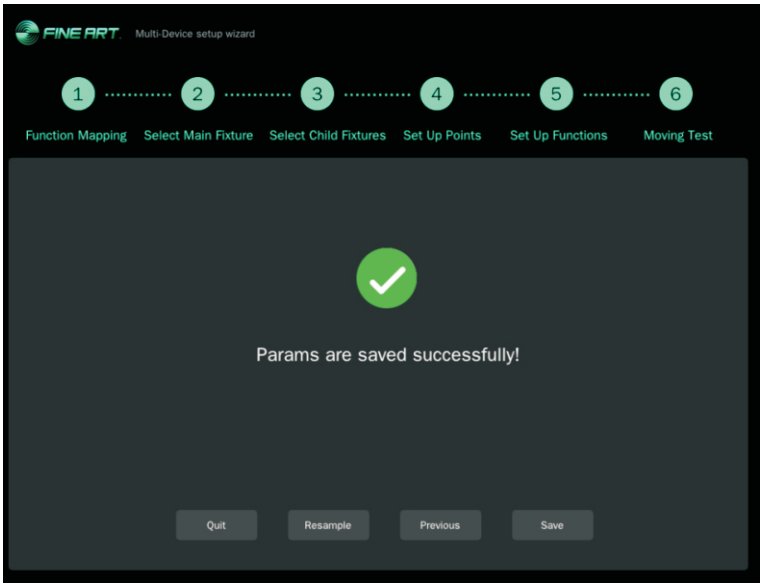


⑤Set Up Functions: Adjust the zoom and focus of each fixture after overlapping spots. Multi-device settings with a minimum of 2 points and a maximum of 5 points. Click “Execute” to next step.

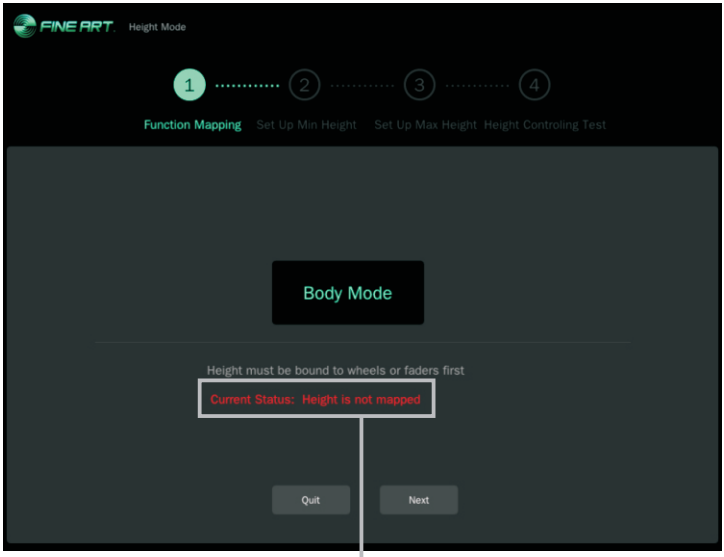


⑥Moving Test: Move joystick to test and view the calibration of the fixture on the screen. If you are not satisfied with the calibration effect, you can click “Resample” to reset or you can save and exit.





Height Mode: There is a body mode, which is used based on the height of the on-site personnel. The center value of the intersection of lights under multi-device can be adjusted by setting the height mode.
A prompt will be sent to map the height to the jog-wheel after entering height mode.



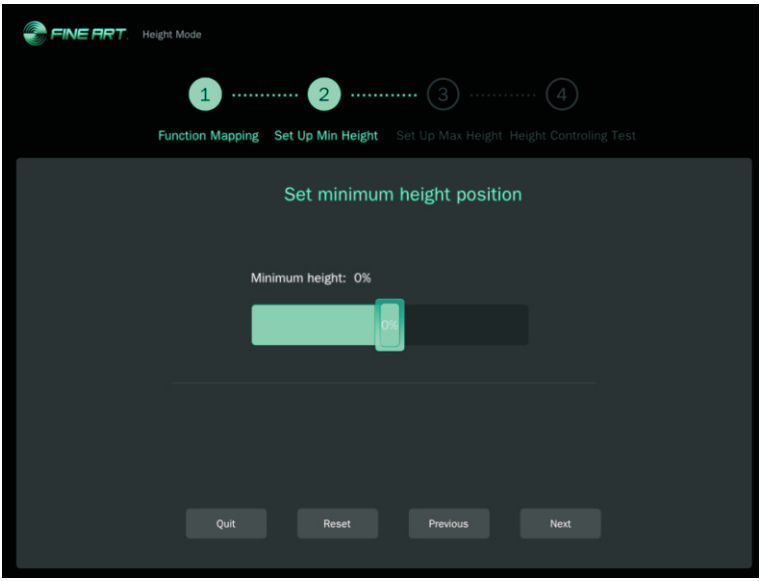
Current Status: Current Status: Height is not mapped

Current Status: Height is mapped

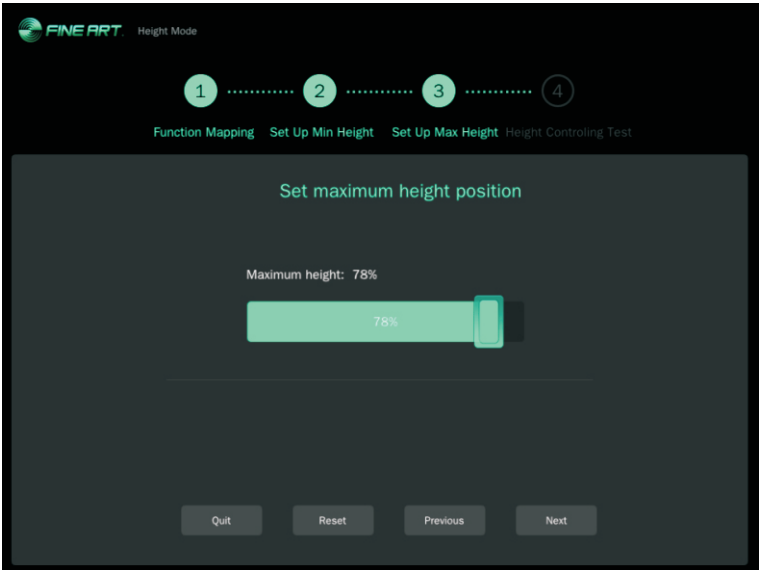
Map height mode to the jog-wheel in “Scenes” page.

Set up minimum height and maximum height of the height mode. It can be set based on the on-site personnel.

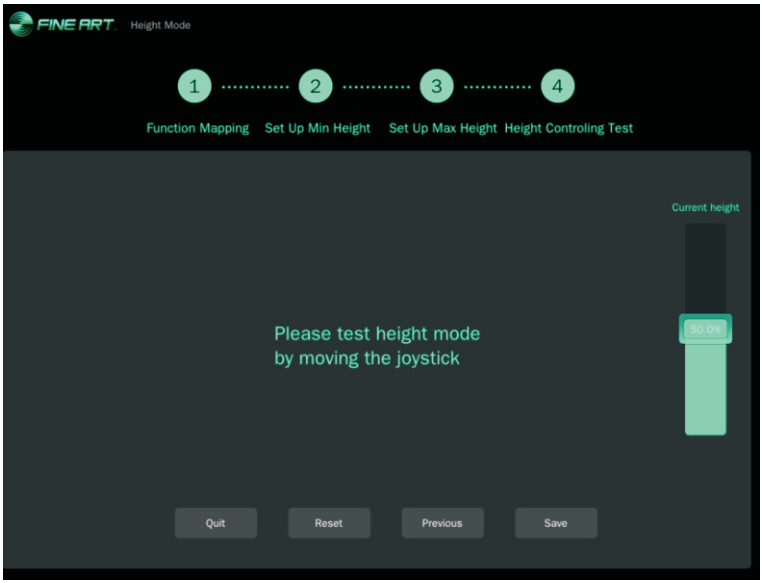
Set up minimum height.



Set up maximum height.



It should to test height mode after set up it. Click “Save” to next step if it is OK, or you can click “Reset” to reset it.

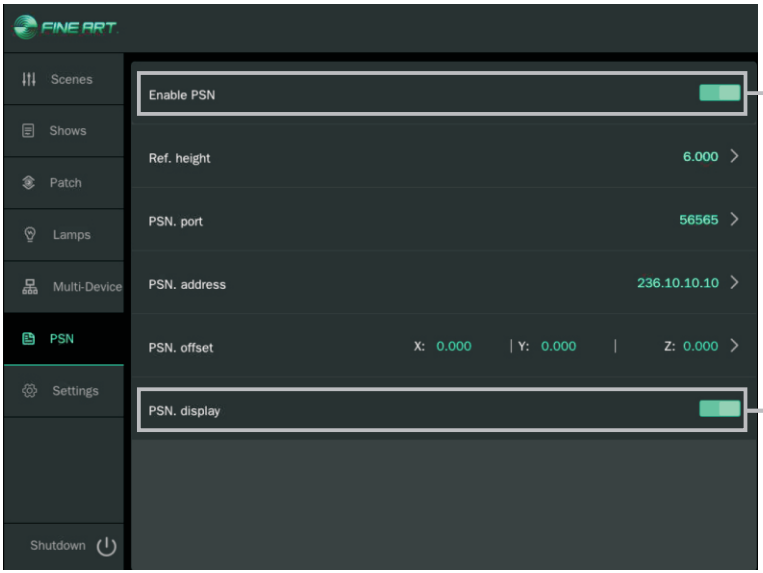


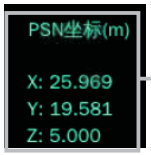
The initial height value is 50% where it is the center on the ground.

9.6 PSN: Can send three-dimensional positioning data of ISPOT PILOT to the MA console.

Patch：Taking the MA2 console as an example:

①Click the “Enable PSN”and “PSN.display”on the Minor-screen of the ISPOT PILOT.The PSN coordinate value will appear on the left-lower corner of the Main-Screeen.

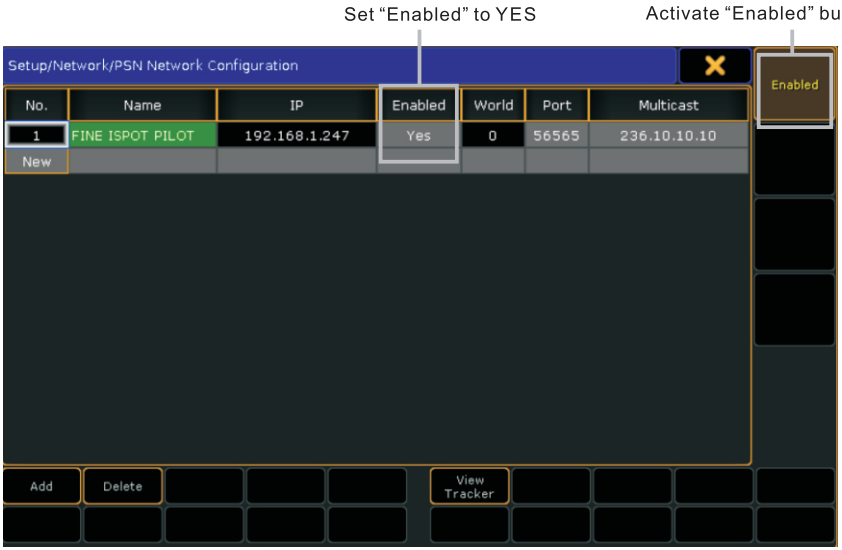




PSN coordinate value appear on the left-lower corner of the Main-Screeen

②Click“Setup”to set “PSN Network Configuration” in the console.

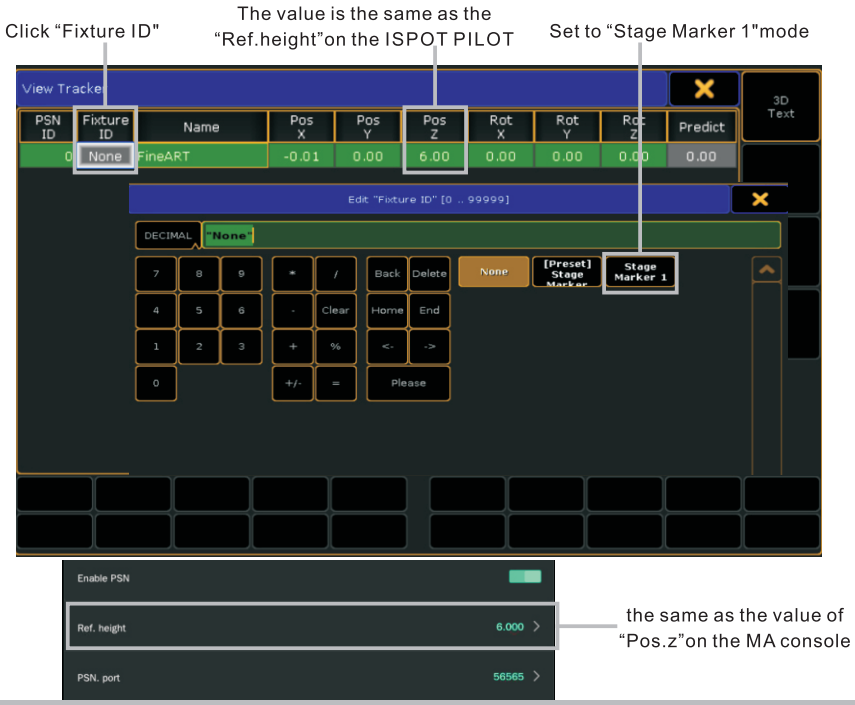
③Click“Add”to create a new list, set “Enabled” to YES, and then activate the “Enabled”.



④Click “View Tracker”,set “Fixture ID” to “Stage Marker1”mode .

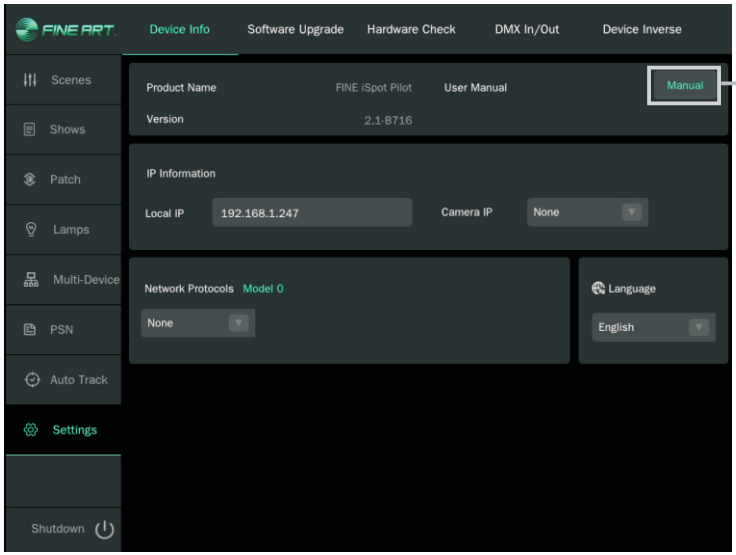
⑤Click “Positions”, set “Stage B” to “SM1” mode .

⑥Modify the value of “Pos.z” in the console,it should be the same as the “Ref.height” on the ISPOT PILOT system.



9.7 Settings: You can view Device Information, Software Upgrade,Hardware Check, DMX In/Out, Device Inverse. “Software Upgrade” function in chapter 10.

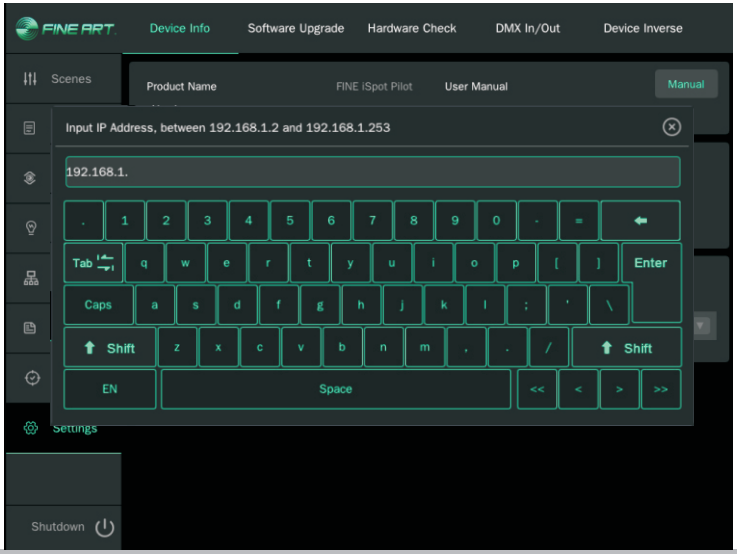
9.7.1 Device information: You can view Product Name, Version, User manual, modify IP Information, Network mode and Language.



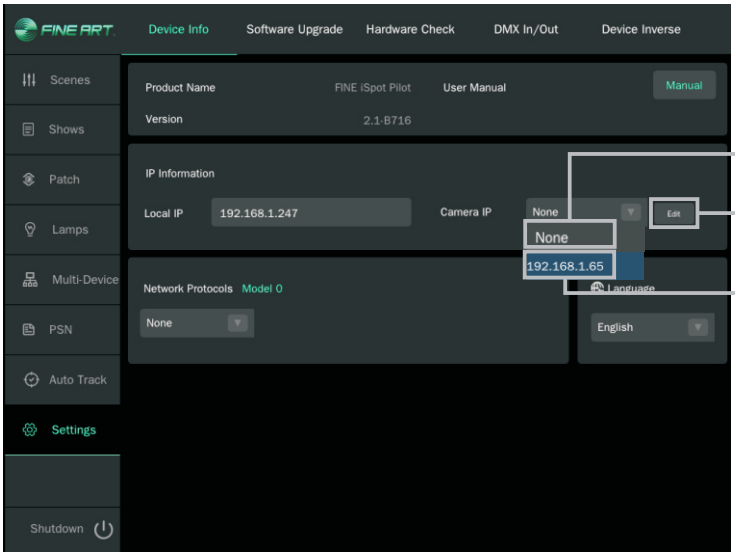
Open User Manual

IP address: It is the distinction between different devices on the same network. Different devices on the same network can not have the same IP address.

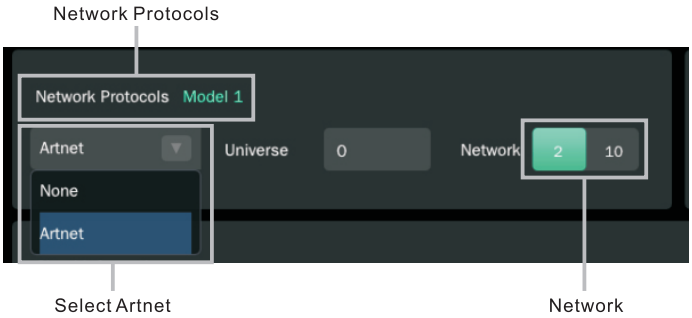
Local IP: Click to modify IP address, press “Enter” to complete the modification. A prompt of reboot will appear after modify sucessfully.



Camera IP: It can modify and view camera IP, and turn off the camera. Click on the right triangle drop-down menu first, then select the camera, click the “Edit” to modify camera IP, the same as local IP address settings. Click “None” to turn off the camera.



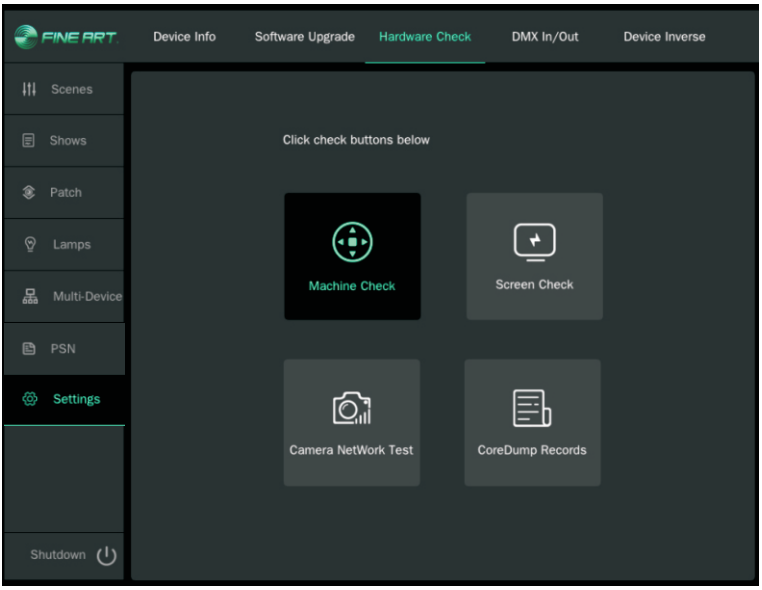
Network Mode: set up “Artnet” mode to connect with the console,the universe will be the same as the console. Select network to 2 or 10.



There are 4 modes for ISPOT POLIT connect with consol. Each mode has a different function, select a mode to operate in the configured fixture library.
Mode 1: The console controls all functions except X/Y axis.
Mode 2: The console controls all functions except map to faders and jog-wheel, and X/Y axis functions.
Mode 3: The console controls all functions except map to faders, and X/Y axis functions.
Mode 4: The console controls all functions.

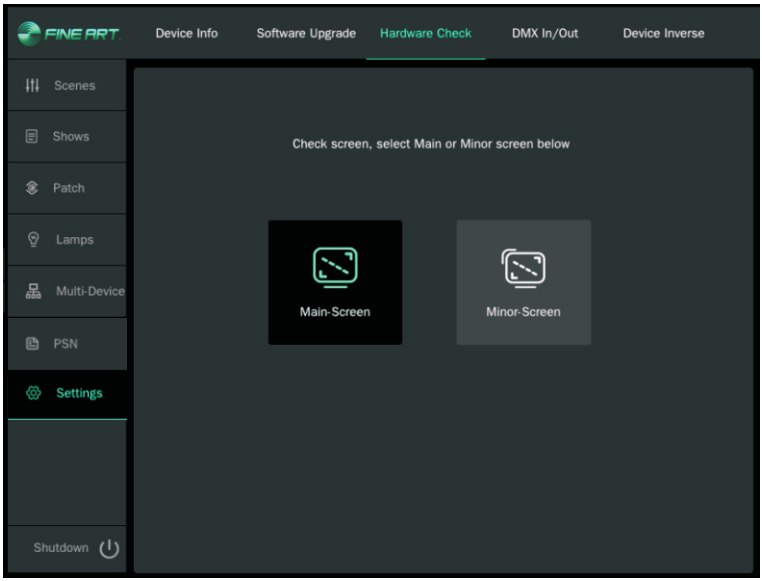
Language: Change language of the device. Select Chinese/English/Russian.

9.7.2 Hardware Check: Machine Check, Screen Check, Camera NetWork Test, CoreDump Records.

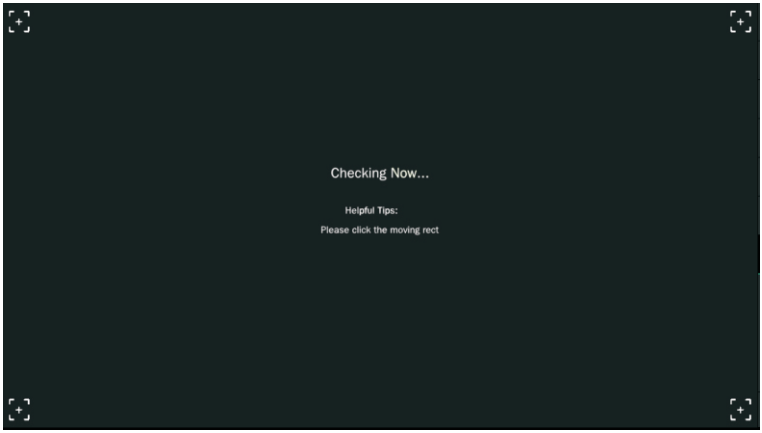


Machine Check: It can test the jog-wheels, buttons, Control handle and faders. Click “Check All LED” to test LED of four button on minor-screen. Click “Check JoyStick” to test the control handle. Click “Check NetCards” to check netcards. If there are no problems with the test, the corresponging area turns green.

Screen Check: Calibrate the Main-Screen and Minor-Screen's touch range and accuracy.

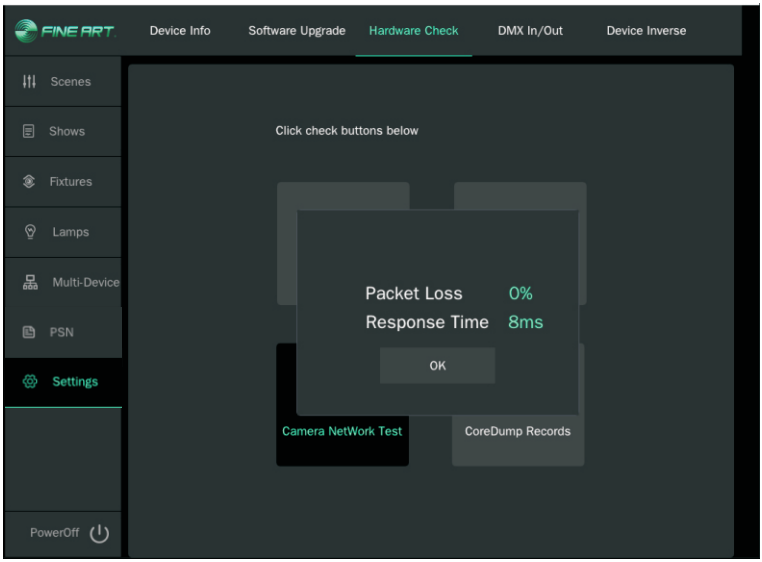


Main-Screen: Click "Main-Screen" to Calibrate the Main-Screen. Follow the tips to click four corners on the screen. Click "Leave" after completing calibration.

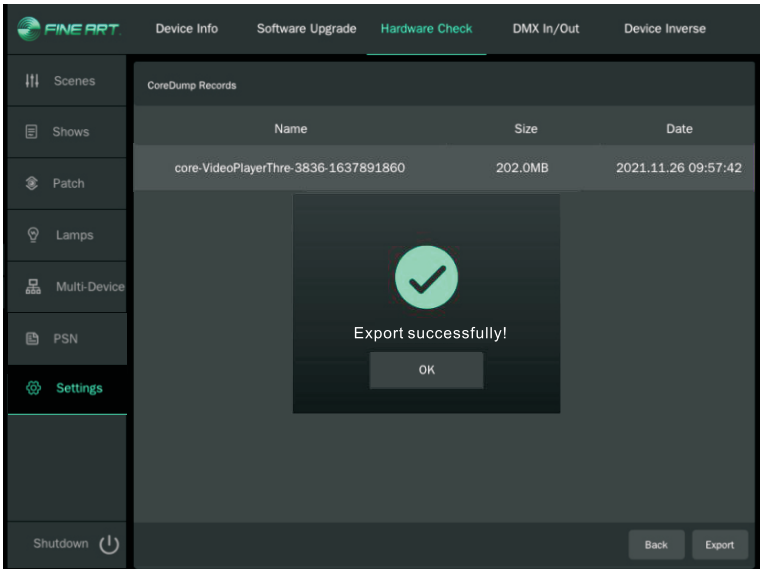


Minor-Screen: Click "Minor-Screen"to Calibrate the Minor-Screen. The same as the Main-Screen.

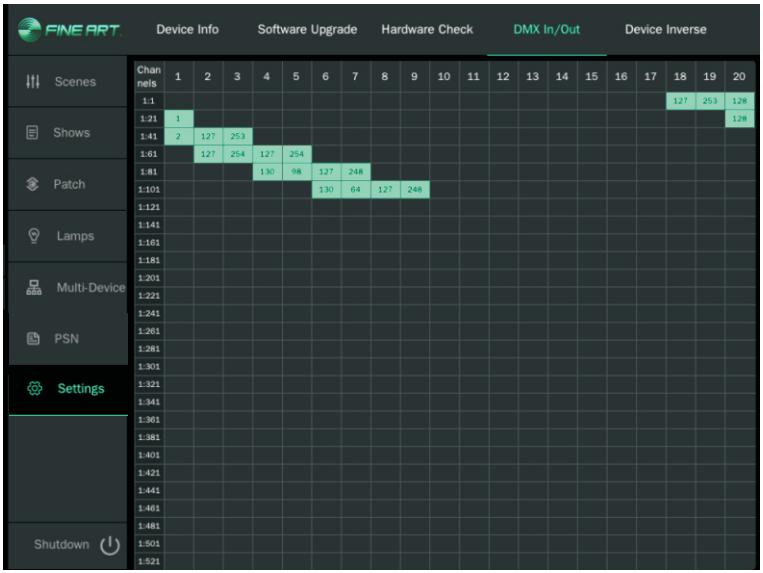
Camera NetWork Test: It to test packet loss in camera connect with device.



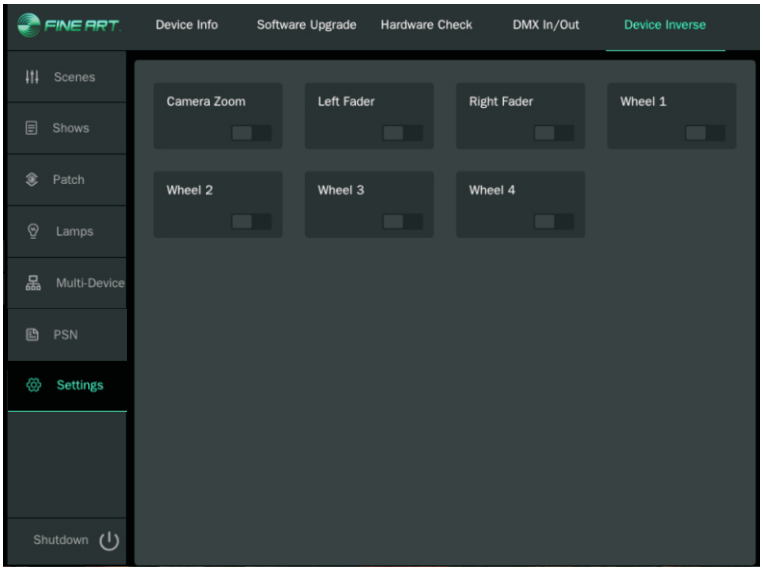
CoreDump Records: You can export fault information to a USB flash drive. Insert a USB flash drive after click “CoreDump Records” button. A fault information list will appera on the screen. Click “Export” button after select the information, and then a progress bar of 100% indicates that the export is complete.



9.7.3 DMX In/Out: Check whether the ISPOT PILOT has signal output to the fixtures.



9.7.4 Device Inverse: Set Camera Zoom, Left and Right Faders and four wheels to inverse.

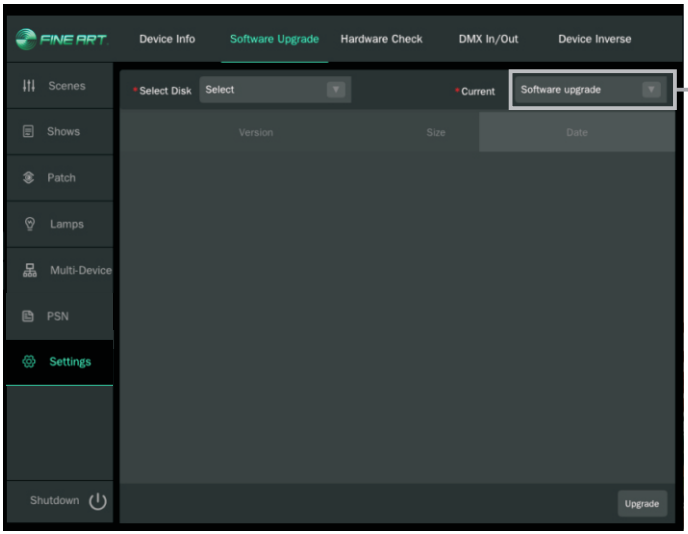


Shutdown: Turn off the ISPOT PILOT. A prompt box will appear after click the “Shutdown” button. Click “Yes” to turn off the device. Then unplug the power cable behind of devices.

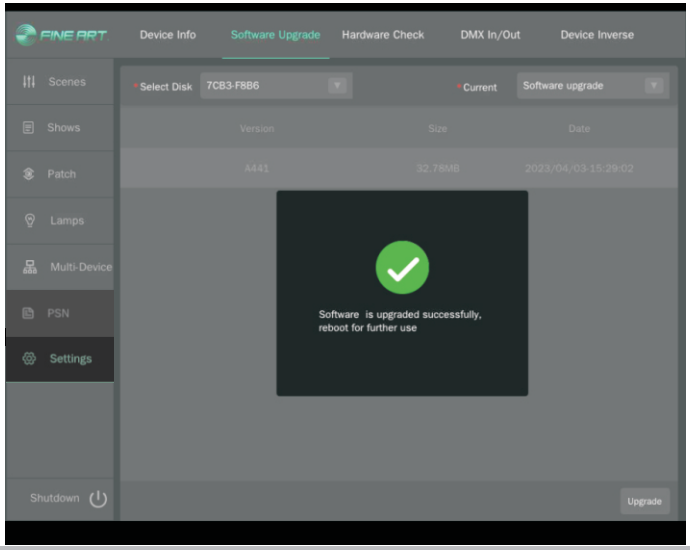
10.Software Upgrade

Put the upgrade package into the USB flash drive,then insert the USB flash drive to the device.

Select the version of upgrade package in the list, click the “Upgrade” button to update. Do not remove the USB flash drive until upgrade is complete.



Reboot the device after the upgrade is complete. Do not cut the power until upgrade is complete.



11 .Error message

If there is an error message, a “Warn” button will be appear in the lower right corner of the screen. Click “Warn” button to view the system warning list.

You can also export error message to a USB flash drive through the “CoreDump Records” function on page 42.

12.Technical specifications

12.1 Technical feature

Device configuration
A set of ergonomic control handle
A 15.6-inch capacitive touch screen
A 10.1-inch capacitive touch screen

Packing accessories

Tripod	1 PCS
Power cable	1 PCS
User manual	1 PCS

Movement range (Control handle)
Pan range: -80~80°
Tilt range: -40~40°

Control and programming
Operation style: Control it by hand
Interaction style: Touch of Main-Screen and minor-screen (capacitive screen)
Protocol: Standard DMX512 and Art-Net
4 jog-wheels can be mapped function
4 function buttons
2 faders can be mapped function

Power supply
Input voltage: 100-240V~ 50/60 Hz
Input current: 300mA
Power: 30W
Power port: Neutrik PowerCON TRUE1
Signal port: 3-pin XLR (5-pin XLR optional)
Ethernet port: RJ45

Package
Net weight: 13.7kg
Gross weight: 60kg
Fixture dimensions: 380x630x577mm
Package dimensions: 813x570x906mm (1pc/flight case)

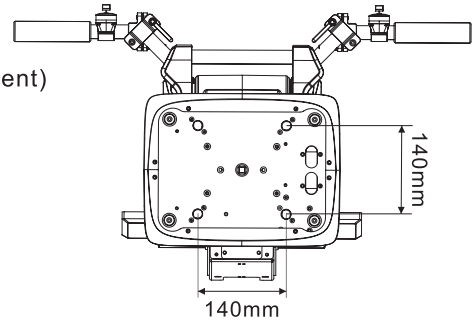
Install style
Install on the tripod

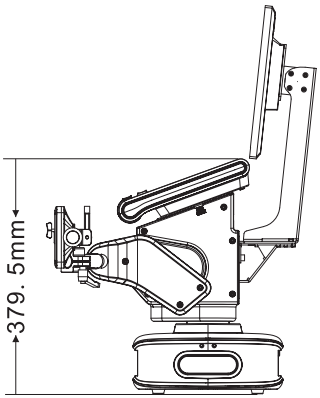
Work environment
Operating temperature: -10~45℃

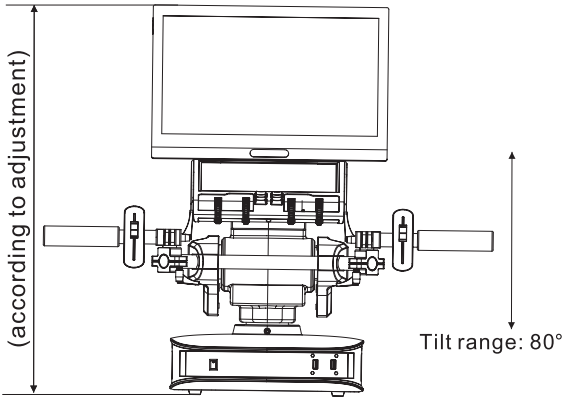
Waterproof parameters
IP rate: IP20

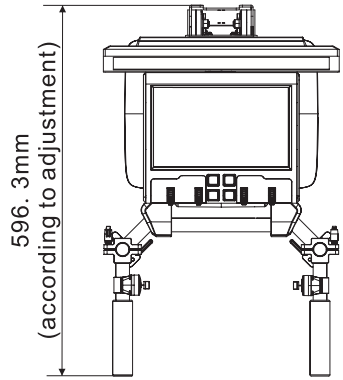
12.2 Profile dimensions

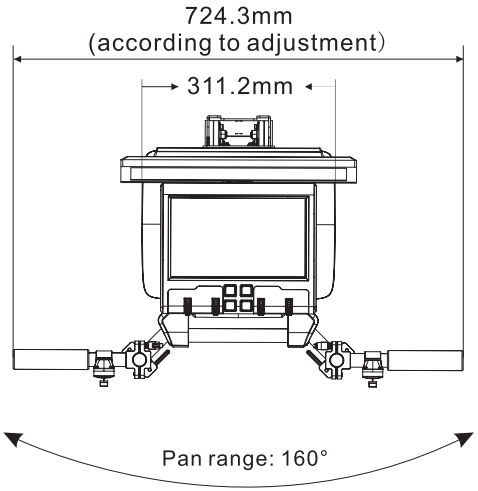
Dimensions (according to adjustment)
Length: 724.3mm
Width: 596.3mm
Height: 626.6mm



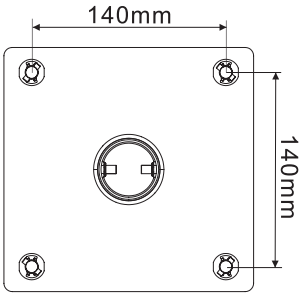




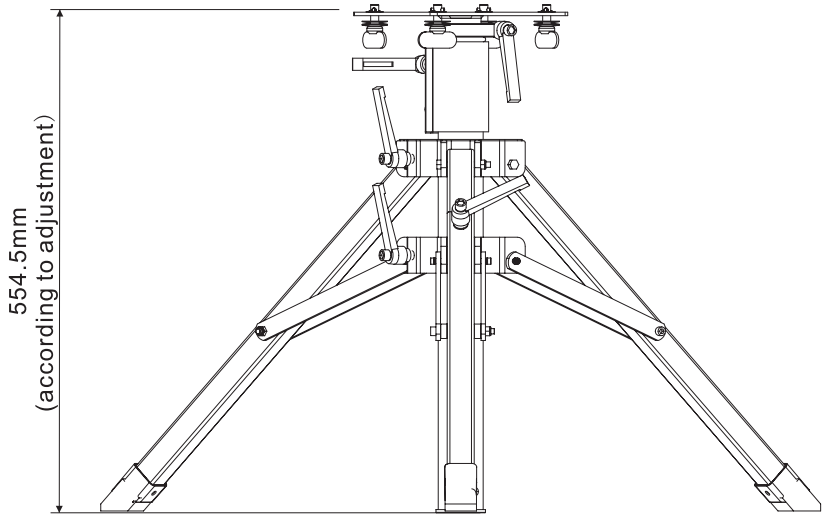




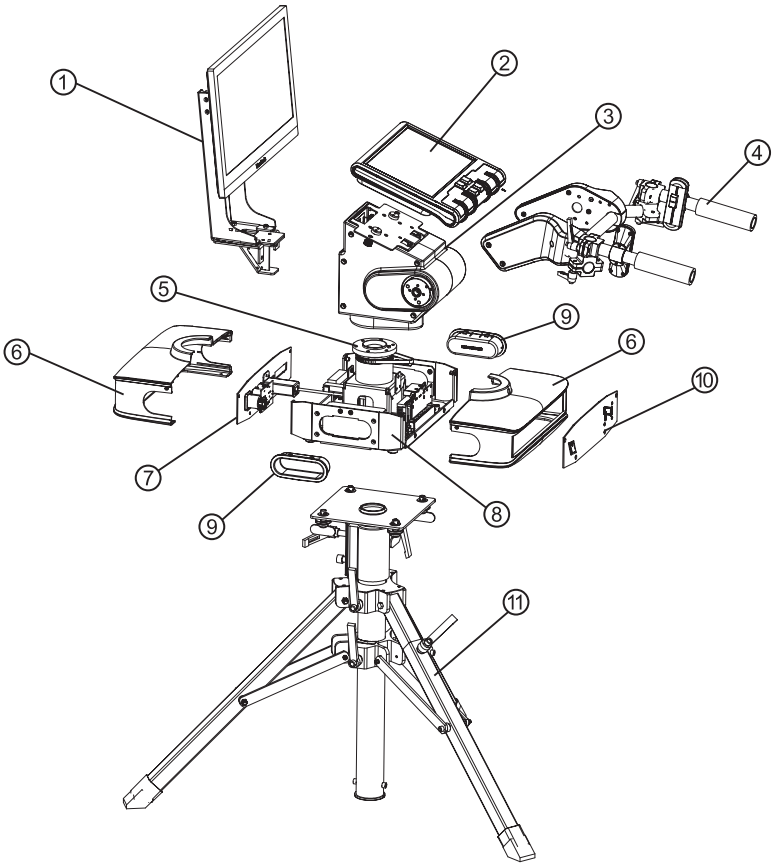
Tripod tray



Tripot



13.Device exploded drawing



No.	Name	No.	Name
1	Main-Screen assembly	7	Power panel module
2	Minor-Screen assembly	8	Base module
3	Rotating assembly	9	Base handles
4	Handle assembly	10	Front panel module
5	Spindle assembly	11	Tripod assembly
6	Base cover		

14.Parts code

NO.	Item	Specification	P/N
1	Minor-screen drive board	—	330383000015
2	Raspberry Pi main board	—	330383000016
3	Minor-screen key board	—	330522100025
4	TILT/PAN detection	—	330522100026
5	Switch Controlle Board	—	330522100034
6	5-Pin XLR Socket	—	330395100139
7	Minor-screen USB board	—	330389100009
8	Base USB board	—	330521100012
9	Encoder board	—	330522100029
10	Fiber optic module	—	410201000115
11	SD card	64G	410201000096
12	Network card	—	410201000107
13	Magnet	—	130205000030
14	Belt(TILT)	—	350201000721
15	Belt(PAN)	—	350201000722
16	Button cover	—	380521010081
17	Jog-wheel	—	170383000716
18	Fader	—	250902000006
19	Fader cover	—	350401000037
20	Power Supply	60W	330001200116
21	Reset switch	—	290101000020
22	Fuse	2A 5X20	309905000005
23	Raspberry Pi cooling fan	—	150101000158
24	USB HUB	—	410201000049
25	Minor-screen assembly	—	230383000271
26	Main-screen assembly	—	230383000259
27	Control handlebars assembly	—	230383000292
28	Power cable	—	230383000254

15.Routine maintenance

- Please unplug the device before starting any maintenance work.
- Check regularly whether the power cable and signal cable is broken, whether the interface is loose and fall off.
- Check whether the screws is corrosioned.
- Use the wet soft lint-free cloth to clean covers. Never use solvents for cleaning the device.
- For cleaning of the LCD monitor use a fluid intended for this purpose.
- There are no other spare parts for this product. Please kindly contact GUANGZHOU CHAIYI LIGHT CO., LTD or local distributor.

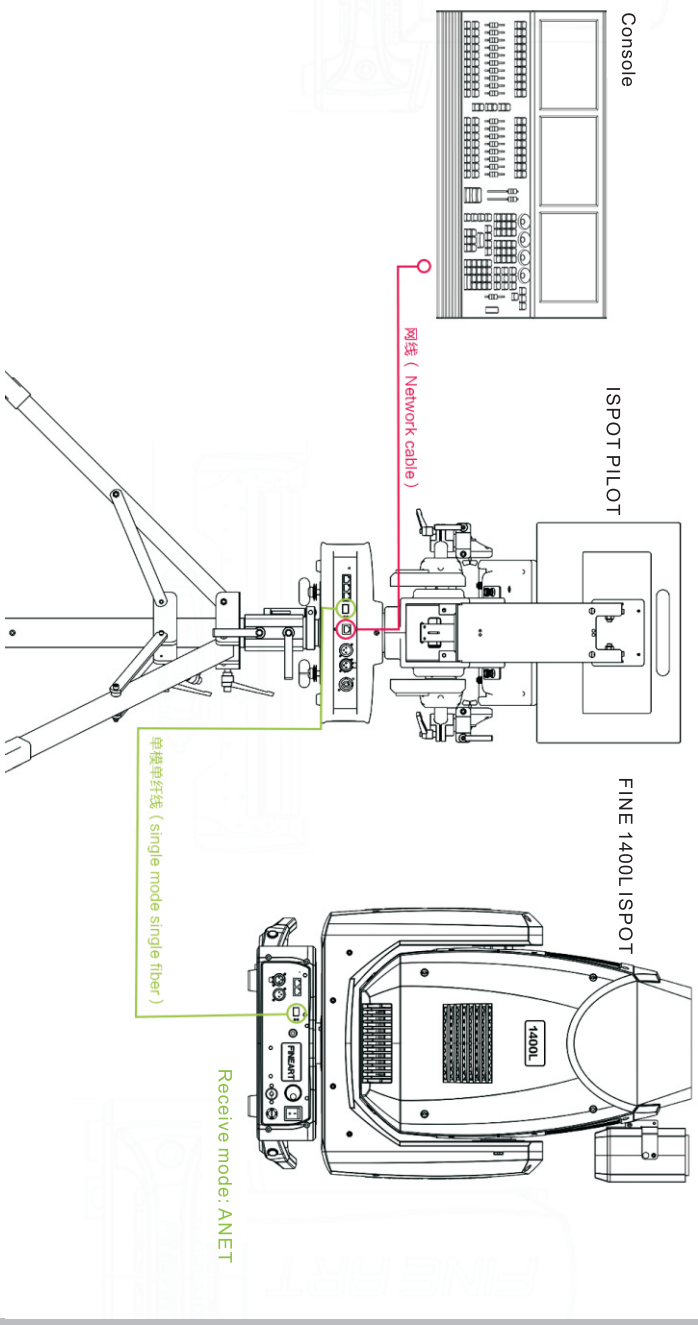
15.1 Replacing the fuse

Replace the fuse by a fuse of the same type and rating only.

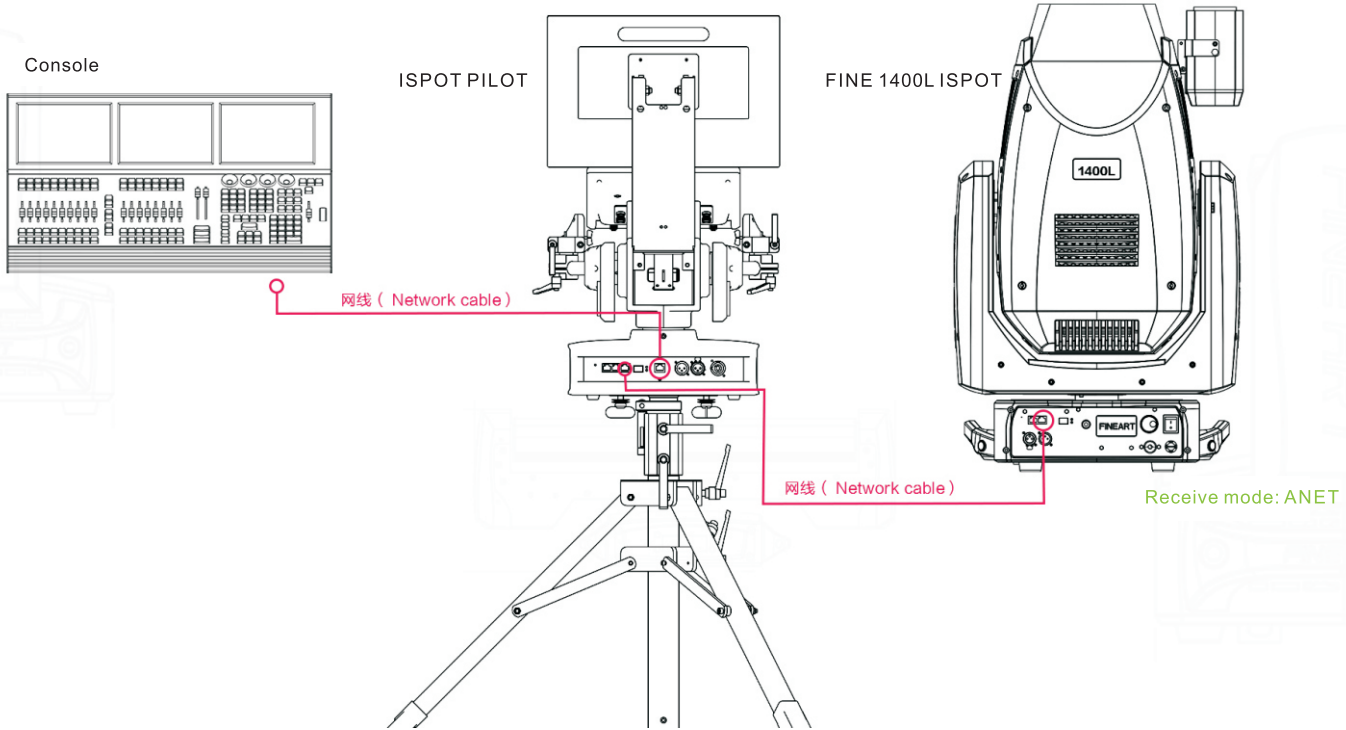
 Before replacing the fuse, unplug mains lead!

1.Remove the base cover and power panel module use a cross screwdriver.
2.Remove the old fuse from the fuse holder.
3.Install the new fuse in the fuse holder (only the same type and rating).
4.Reinstall the power panel and base cover, lock the screws tight.

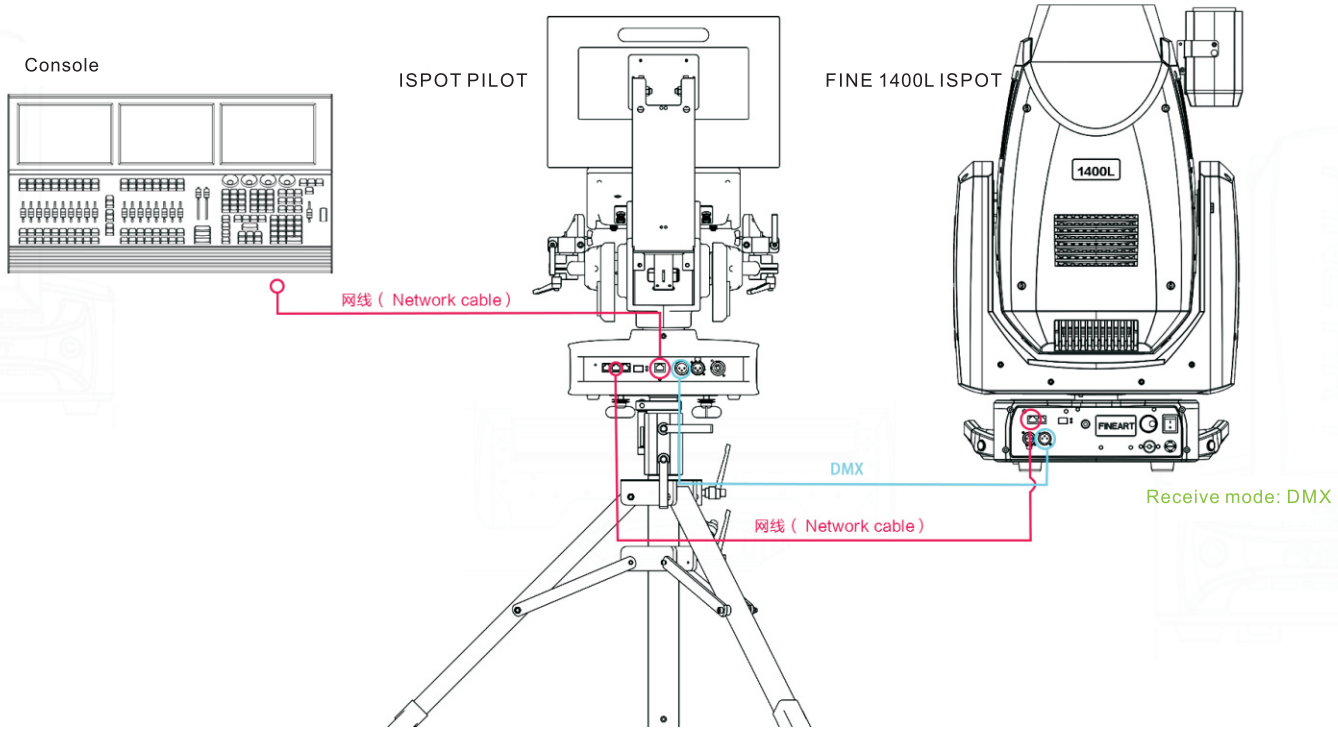
16.Device connection



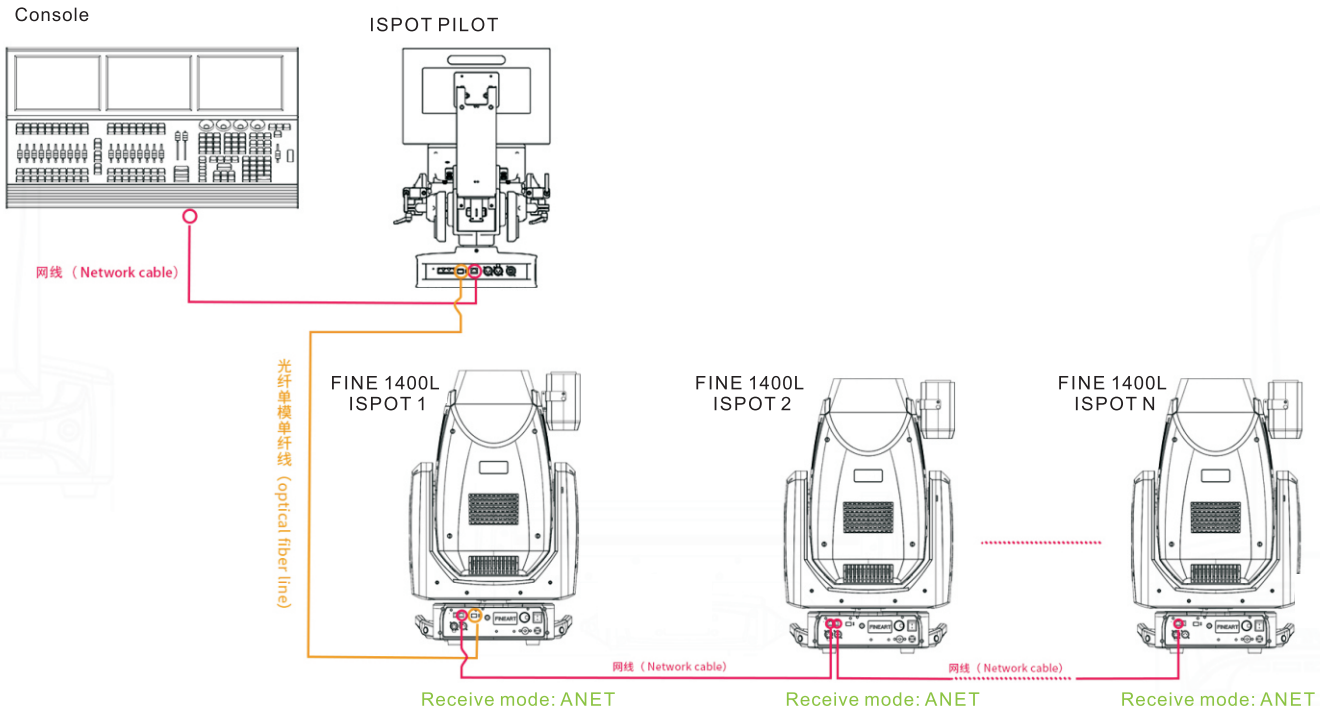
Connect ISPOT PILOT to single fixture diagram ②



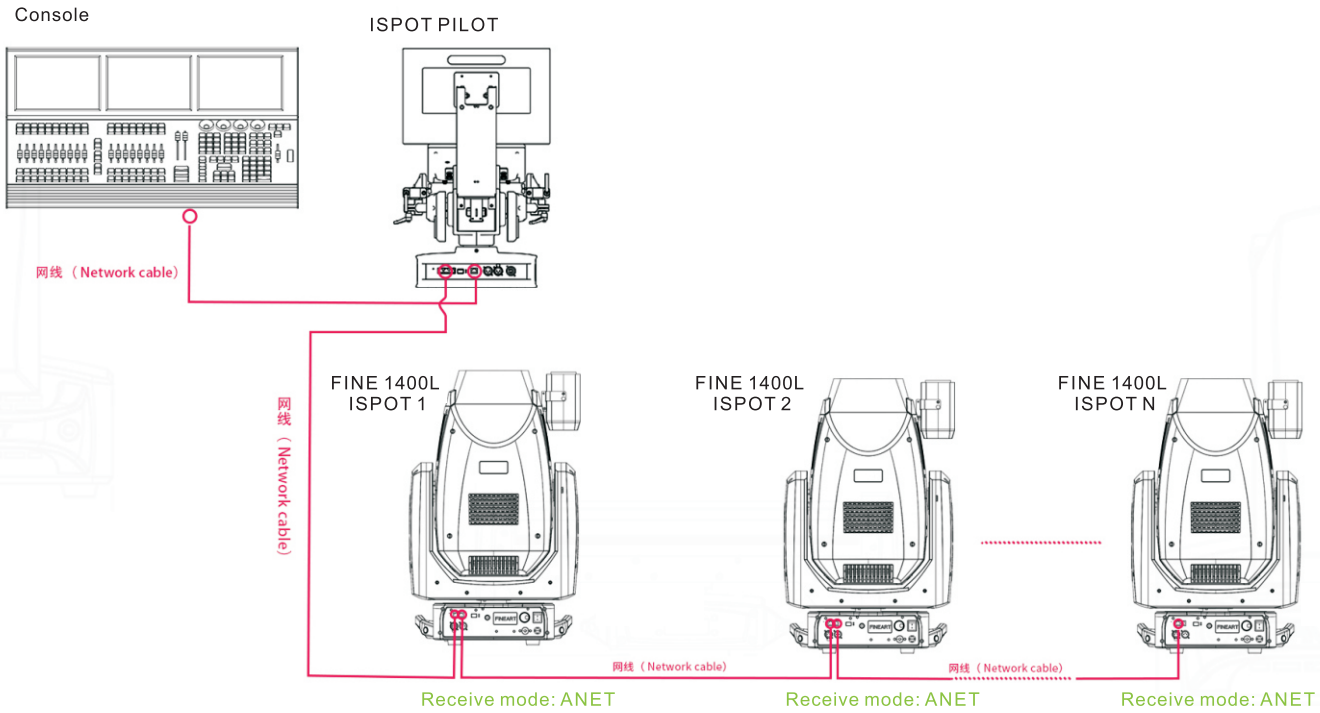
Connect ISPOT PILOT to single fixture diagram ③



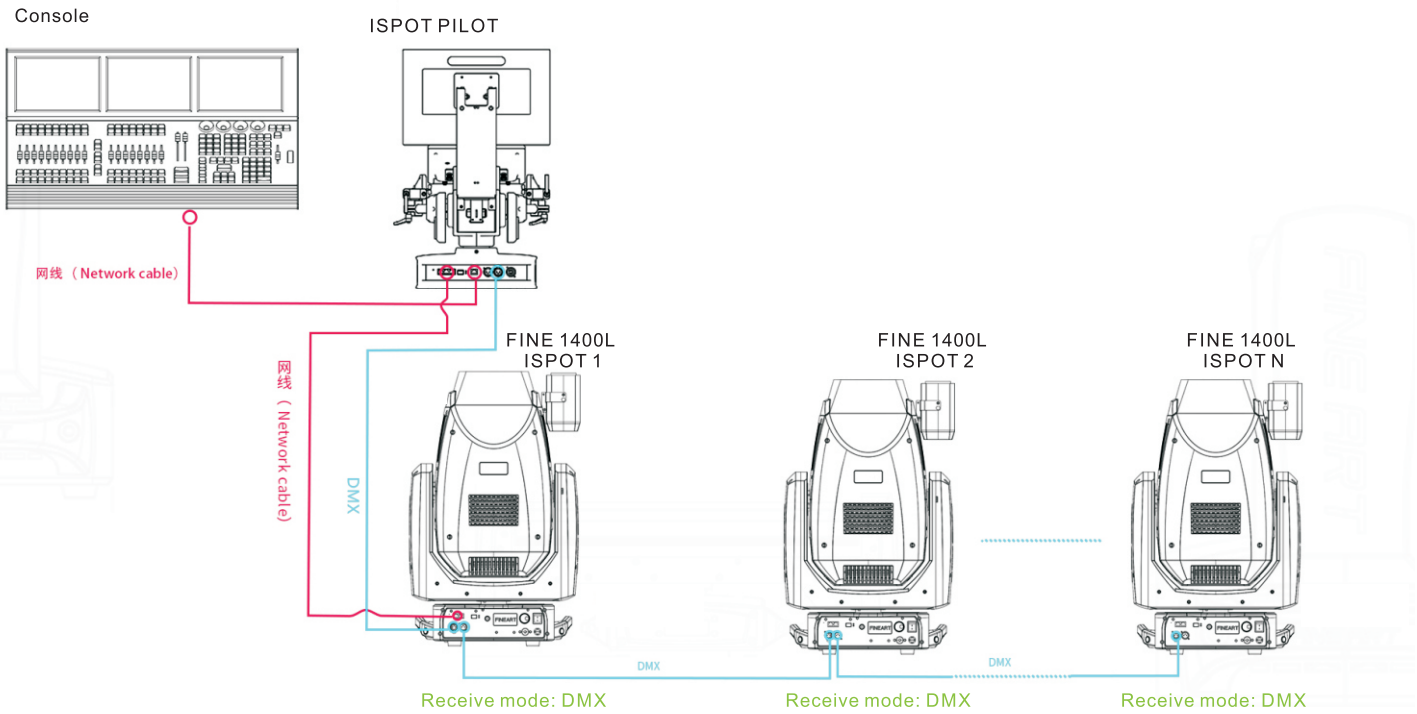
Connect ISPOT PILOT to multi-fixture diagram(ARTNET CONTROL)



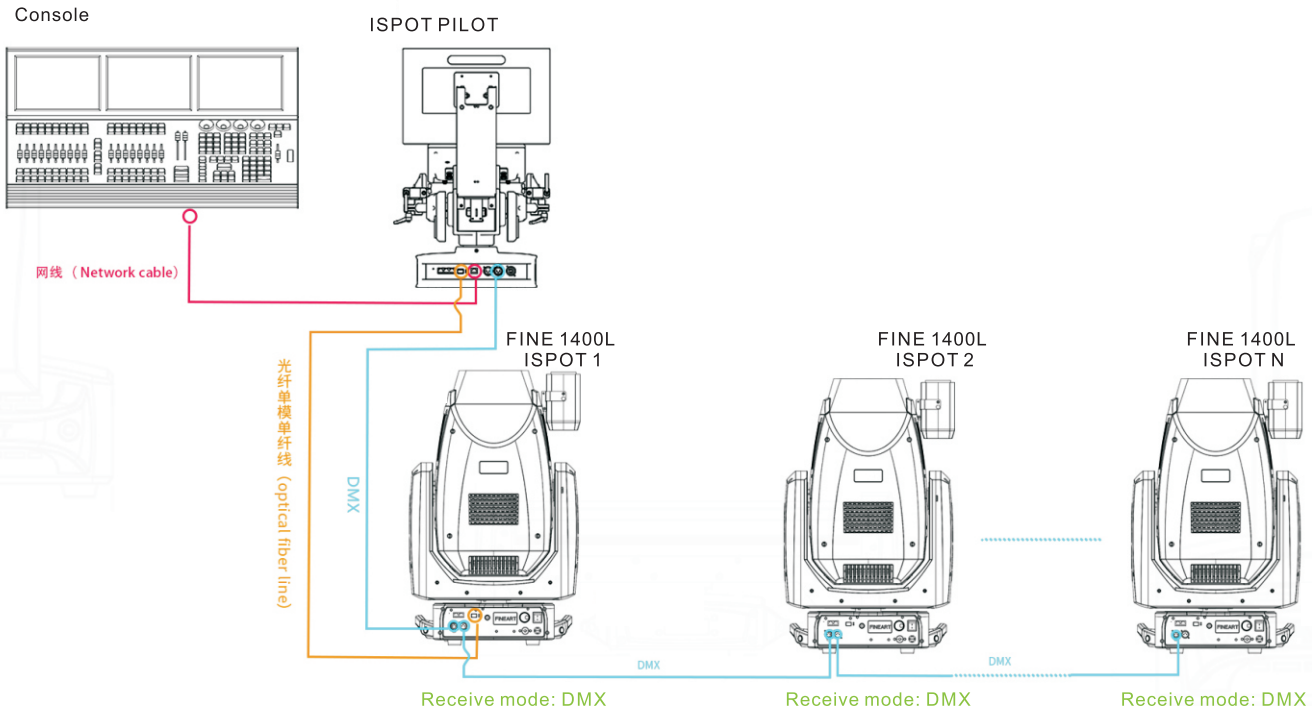
Connect ISPOT PILOT to multi-fixture diagram(ARTNET CONTROL)



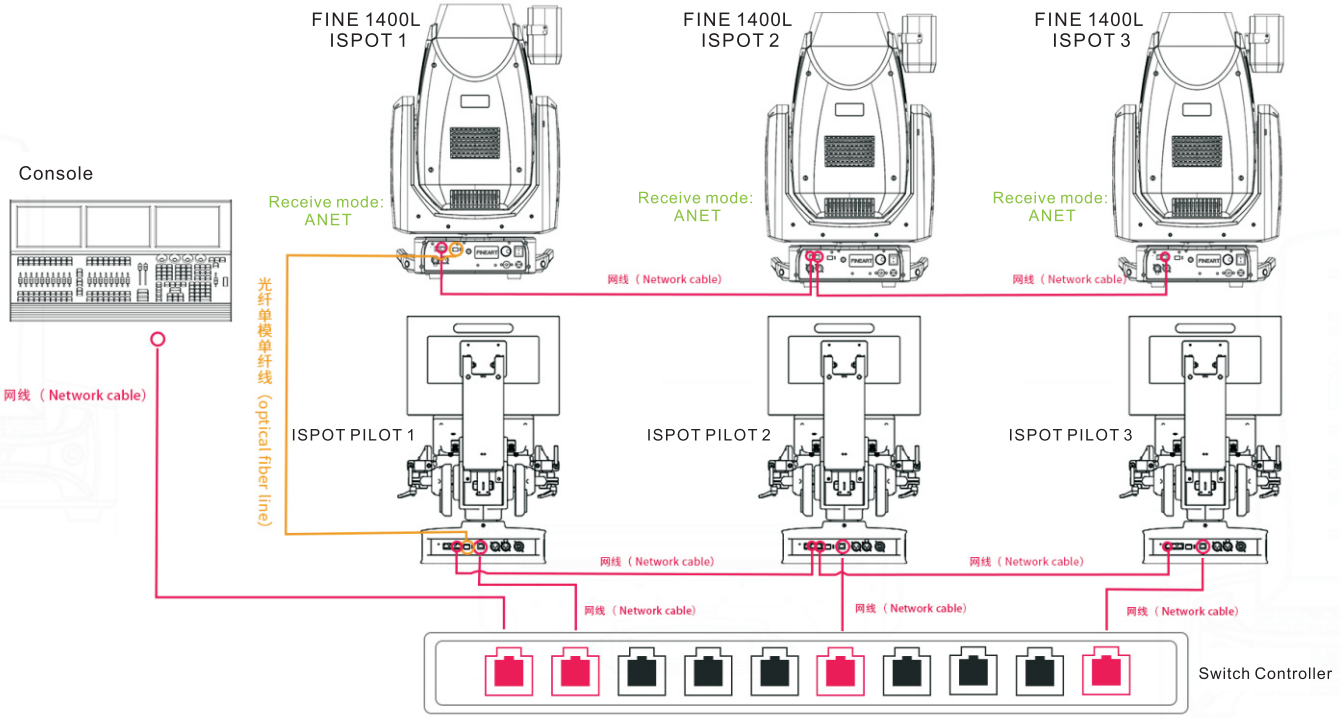
Connect ISPOT PILOT to multi-fixture diagram(DMX CONTROL)



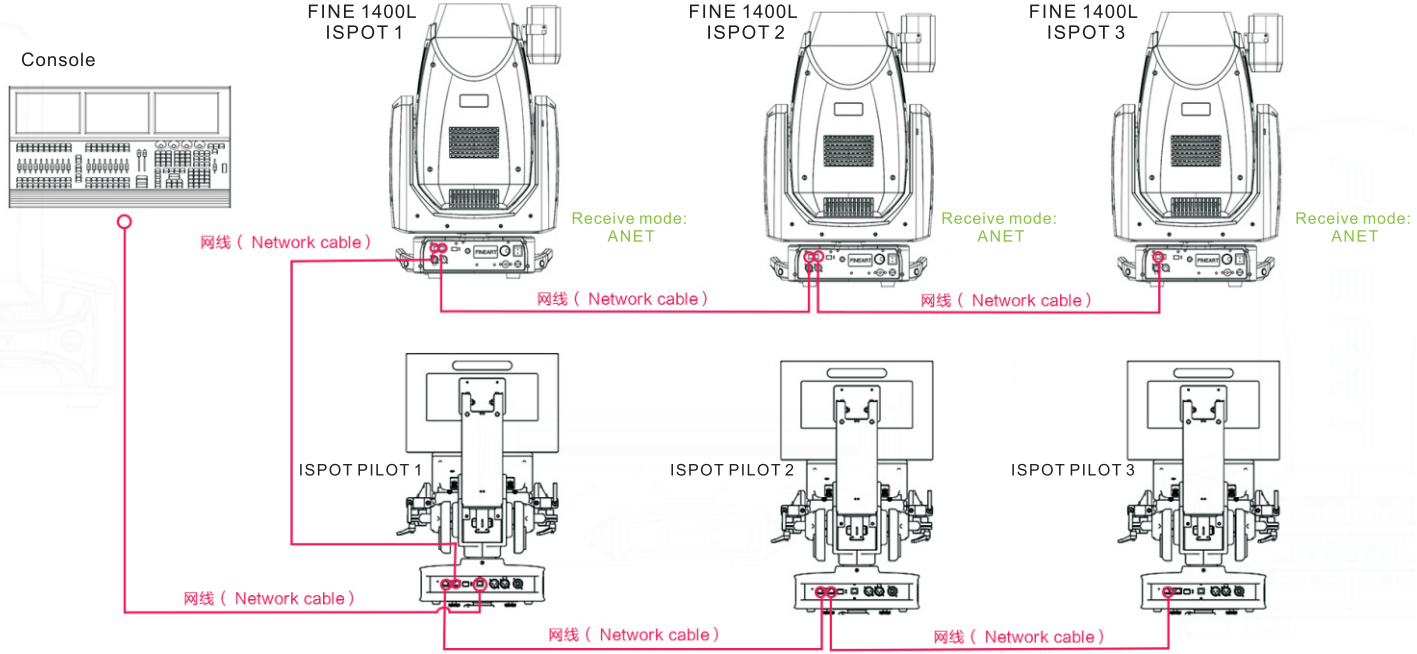
Connect ISPOT PILOT to multi-fixture diagram(DMX CONTROL)



Connect multi-device to multi-fixture diagram①

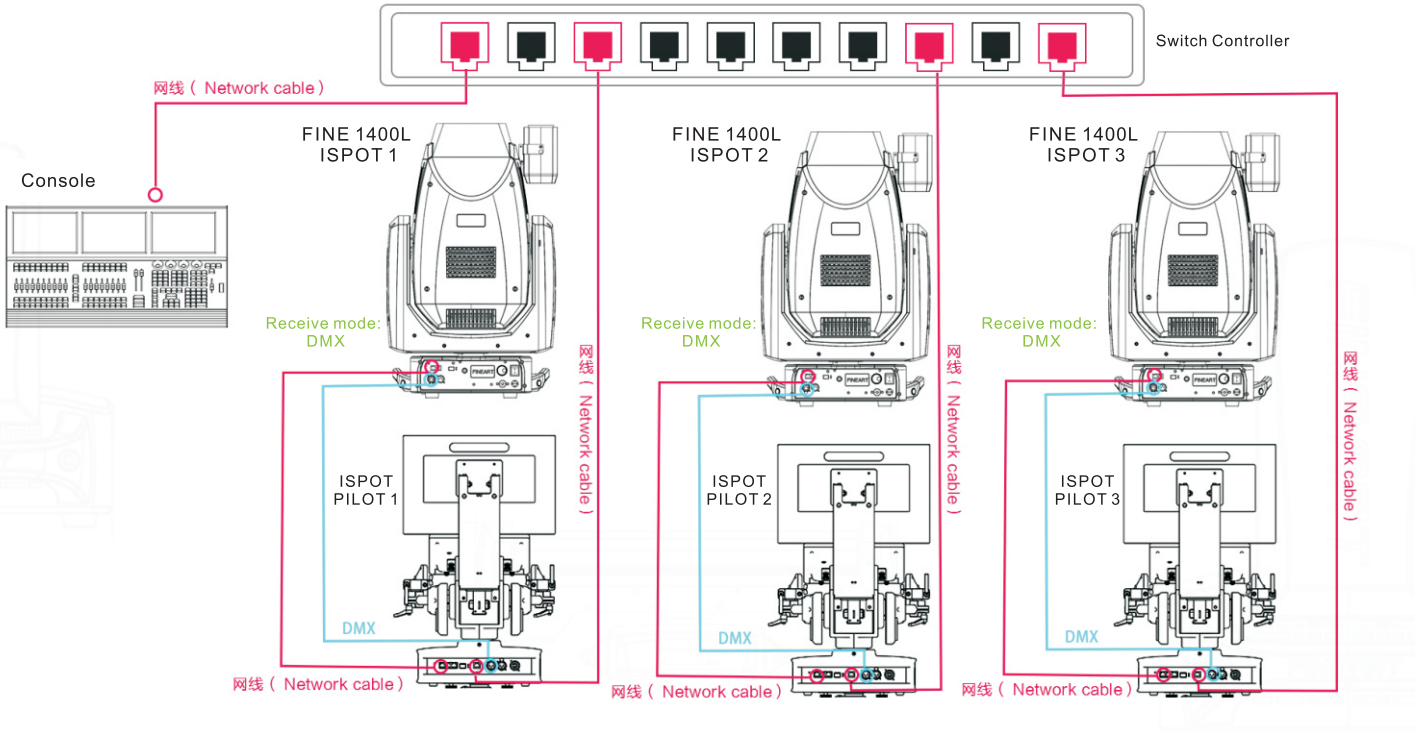


Connect multi-device to multi-fixture diagram②



FINE ART

Connect multi-device to multi-fixture diagram③



FINE ART 追光灯地面系统 & FINE iSpot EYE 单灯连接图

FINE iSpot Pilot & FINE iSpot EYE Single Lamp Connection Diagram