

Sidus Four

Product Manual

English

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Introduction

Sidus Four is a 4 Universe CRMX Transmitter with built in 4 port ethernet node and wireless router from Aputure which accepts and converts wired and wireless lighting protocols. Both ethernet and Wi-Fi based Art-Net/sACN, Hardline DMX, CRMX, and CRMX BT are available for use with the Sidus Four.

So what can Sidus Four do?

1.Ethernet Control: Sidus Four has two 100 Mbit/s Ethernet ports, compatible with Art-Net and sACN protocols, which can transfer data from 8 universes to 4 universes of CRMX and 4 universes of wired DMX.

1.1 Art-Net/sACN wired IN to (4) CRMX Transmitter OUT.

1.2 Art-Net/sACN wired IN to (4) Wired DMX OUT.

1.3 Art-Net/sACN wired IN to (4) CRMX Transmitter OUT and (4) Wired DMX OUT.

2.Wi-Fi Control: Sidus Four has a built-in 5GHz Wi-Fi module. Using a mobile device with a compatible DMX control APP or a Lighting Console that can connect to wireless networks, users can send Art-Net or sACN over Wi-Fi to the Sidus Four; Sidus Four can convert and output (4) universes of DMX data via the XLR DMX ports and (4) additional universes via the (4) CRMX Wireless DMX Transmitters.

2.1 Art-Net/sACN over Wi-Fi IN to (4) CRMX Transmitter OUT.

2.2 Art-Net/sACN over Wi-Fi IN to (4) Wired DMX OUT.

2.3 Art-Net/sACN over Wi-Fi IN to (4) CRMX Transmitter OUT and (4) Wired DMX OUT.

3.DMX IN/OUT and CRMX TX/RX: Sidus Four can accept (4) wired DMX signals from a DMX controller, and transmit (4) Universes wirelessly via CRMX to control CRMX capable devices.

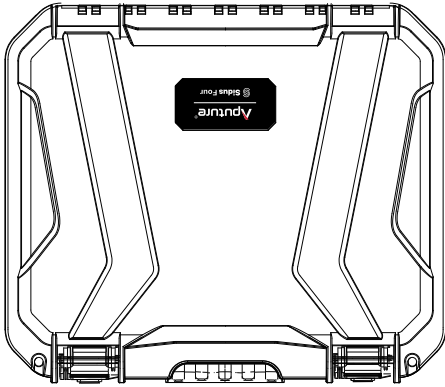
3.1 (4) wired DMX IN to (4) CRMX OUT.

4.CRMX BT: Apps can connect to one Sidus Four CRMX Bluetooth Transmitter to transfer CRMX and wired DMX data .

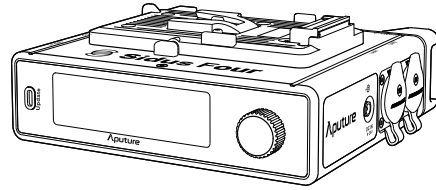
4.1. 1 CRMX Bluetooth input, 1 CRMX output and 1-way wired DMX output.

(Note: The different application scenarios for Sidus Four are described in detail starting on page xx.)

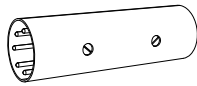
Components List



Hard Case *1



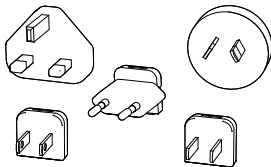
Sidus Four *1



5-Pin XLR Male to 5-Pin XLR Male Adapter "DMX Turnarounds" *4



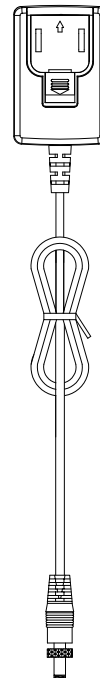
Baby Receiver Adapter with 3/8-16" Anti-Twist Screw *1



International Power Conversion Adapters *5



Antenna *5



Sidus Four DC Locking Power Adapter (3m) 3.5mm *1



Sticker *5

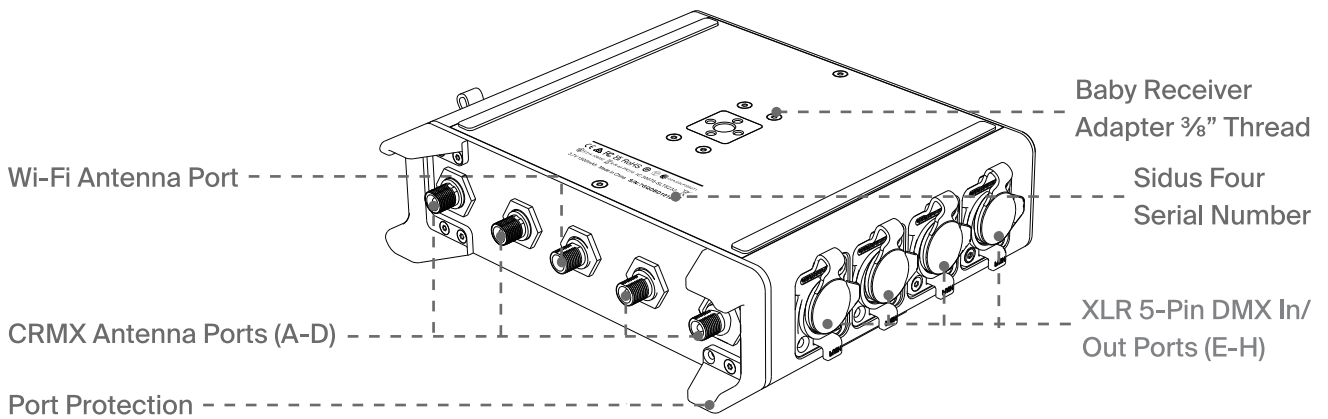
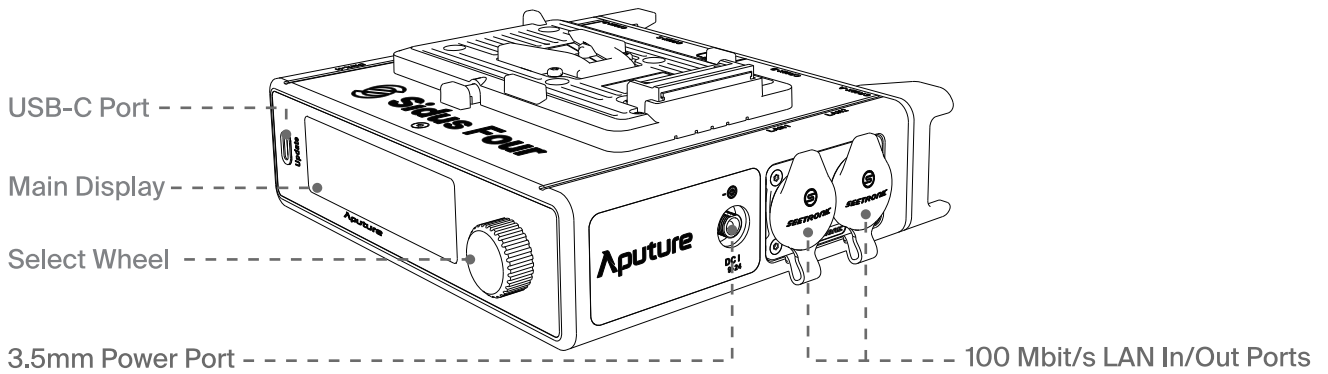


QR Code Card *1

** Tips: The illustrations in the manual are only diagrams for reference. Due to the continuous development of new versions of the product, if there are any differences between the product and the user manual diagrams, please refer to the product itself.*

Product Overview

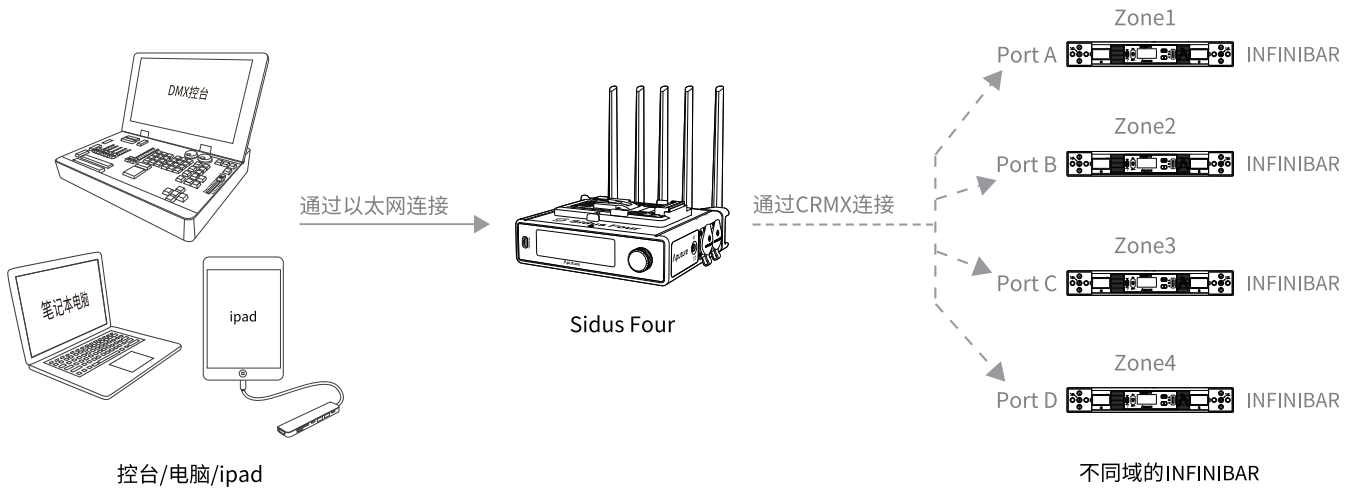
Ports and the Display



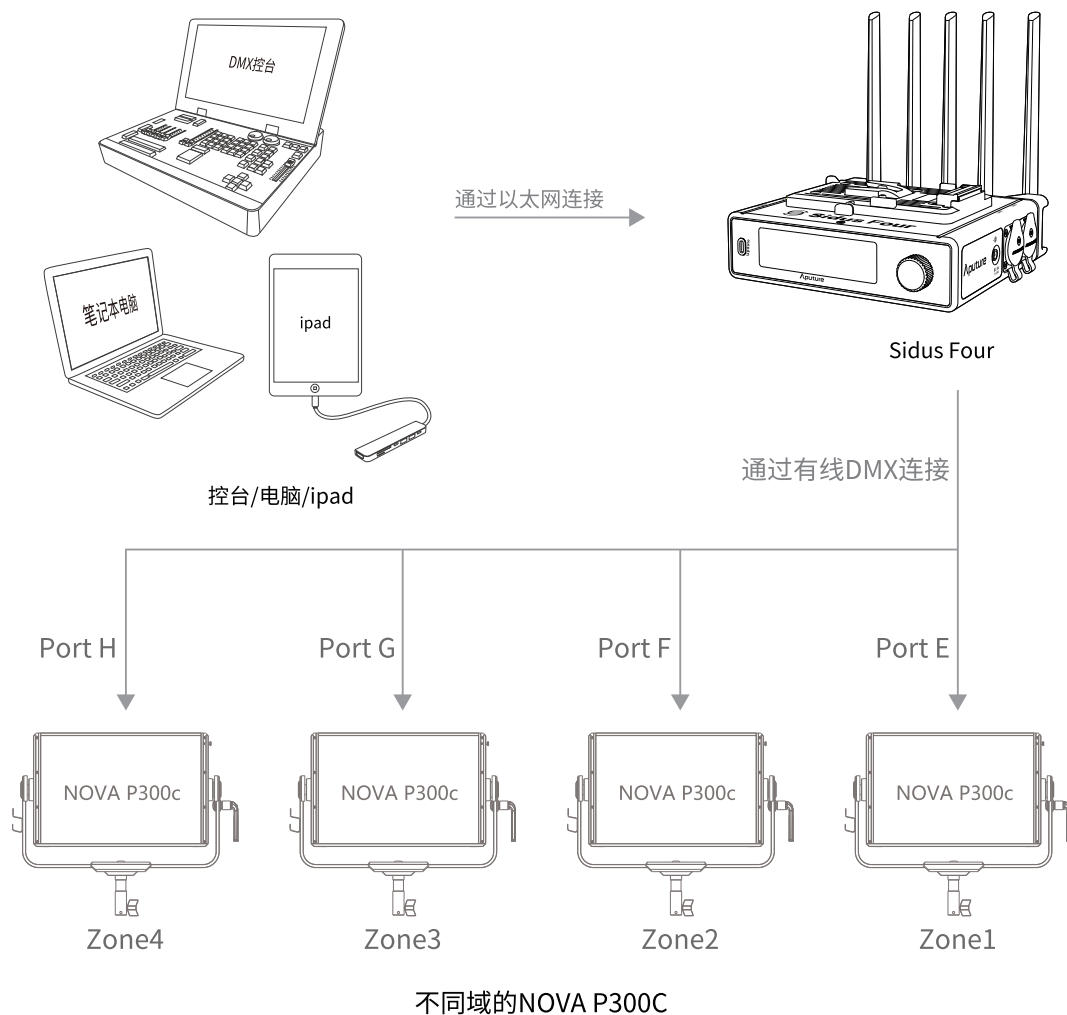
Application Scenarios

The following are the available modes to use the Sidus Four.

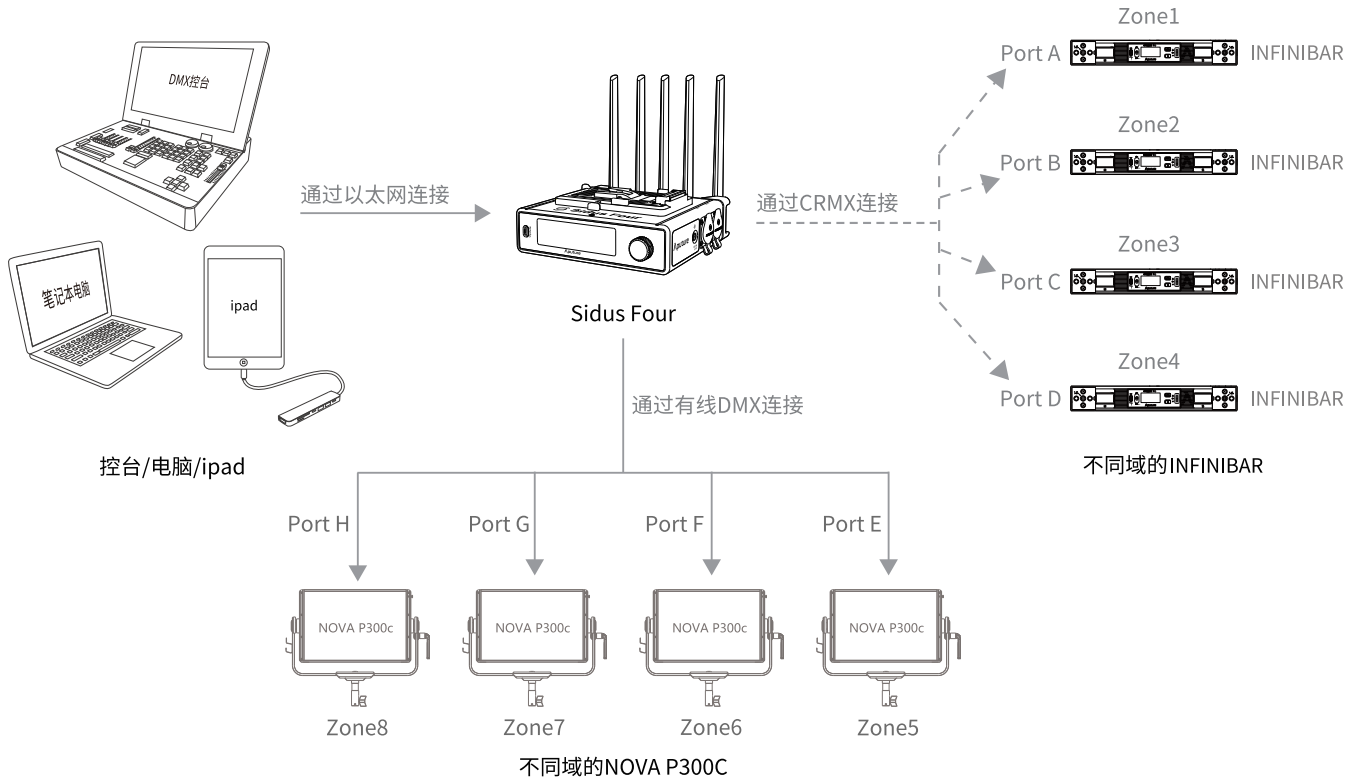
1. Art-Net/sACN over Ethernet IN to (4) CRMX Transmitters OUT.



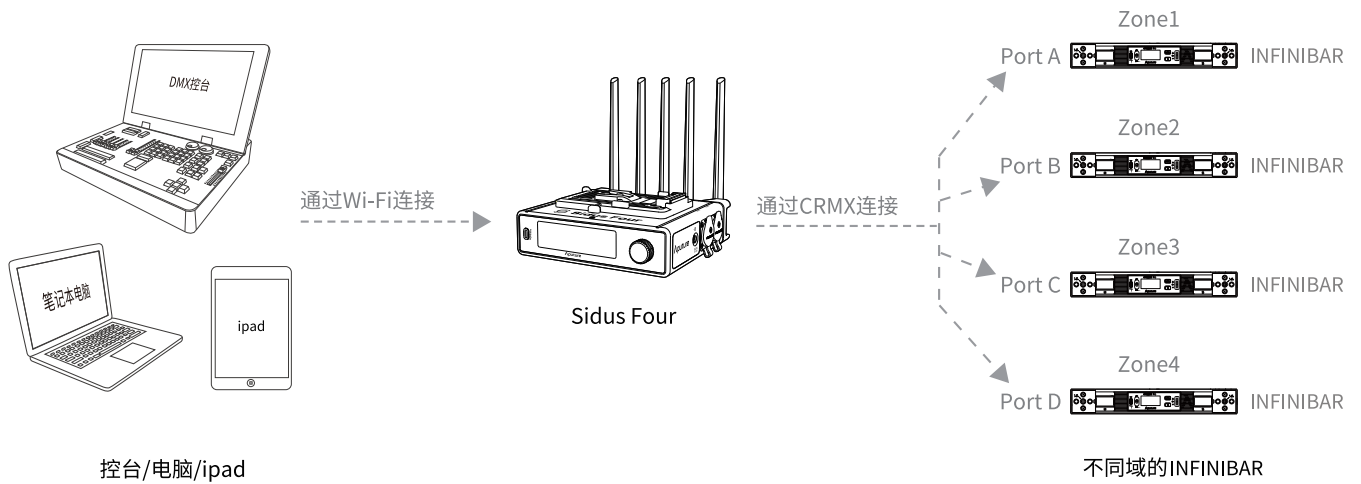
2. Art-Net/sACN over Ethernet IN to (4) DMX Ports OUT.



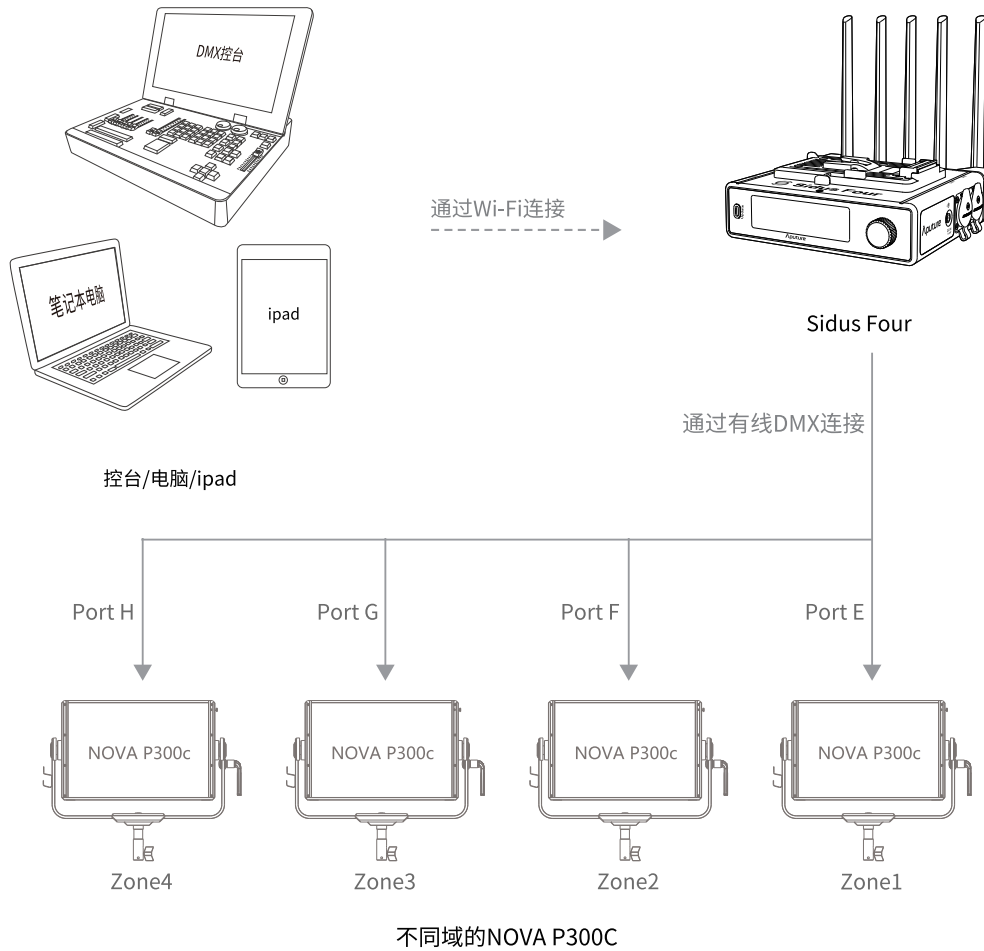
3.Art-Net/sACN over Ethernet IN to (4) CRMX Transmitters OUT and (4) DMX OUT.



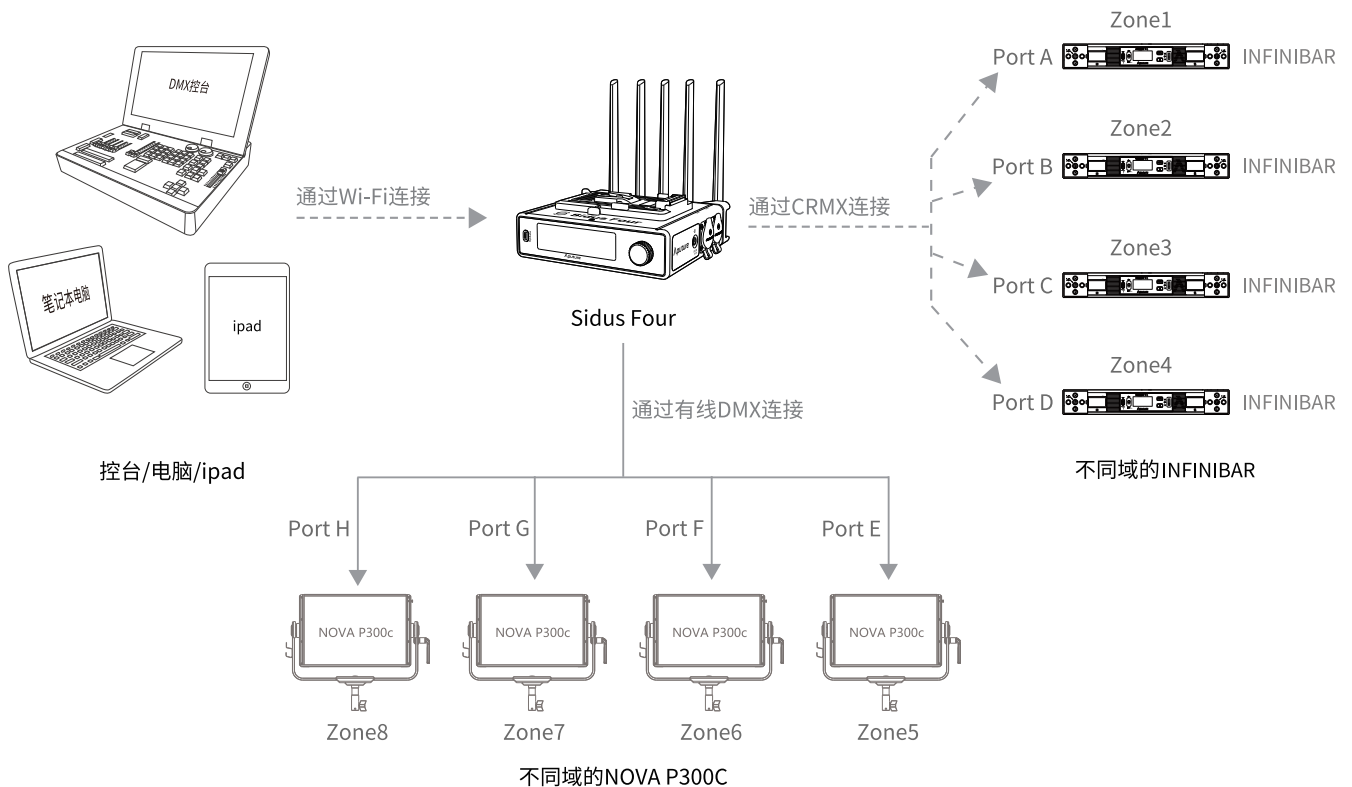
4.Wi-Fi (Art-Net/sACN) IN to (4) CRMX Transmitters OUT.



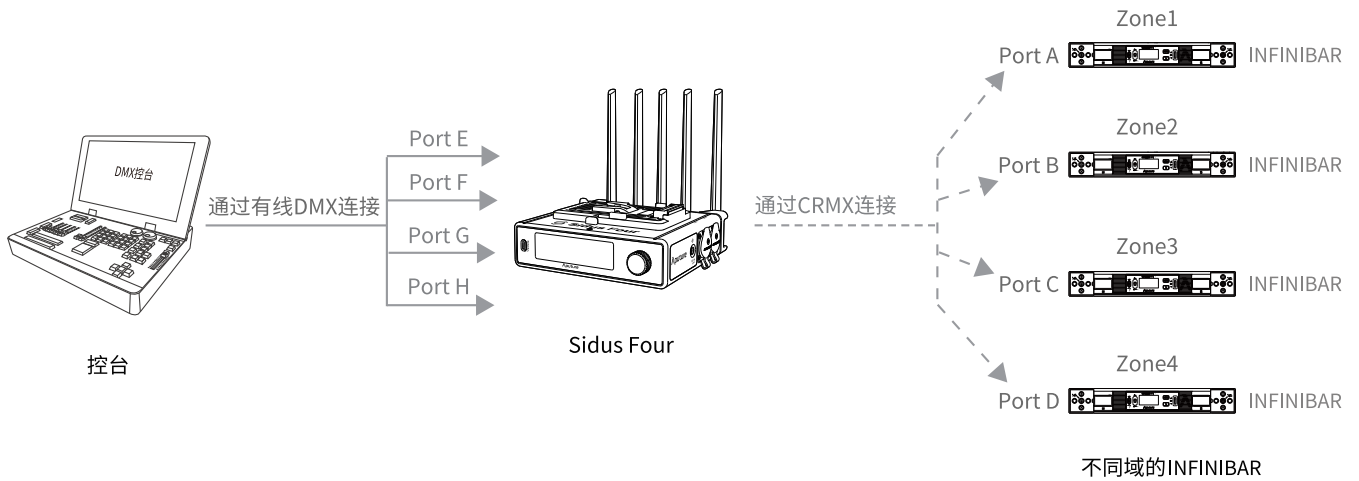
5.Wi-Fi (Art-Net/sACN) IN to (4) DMX OUT.



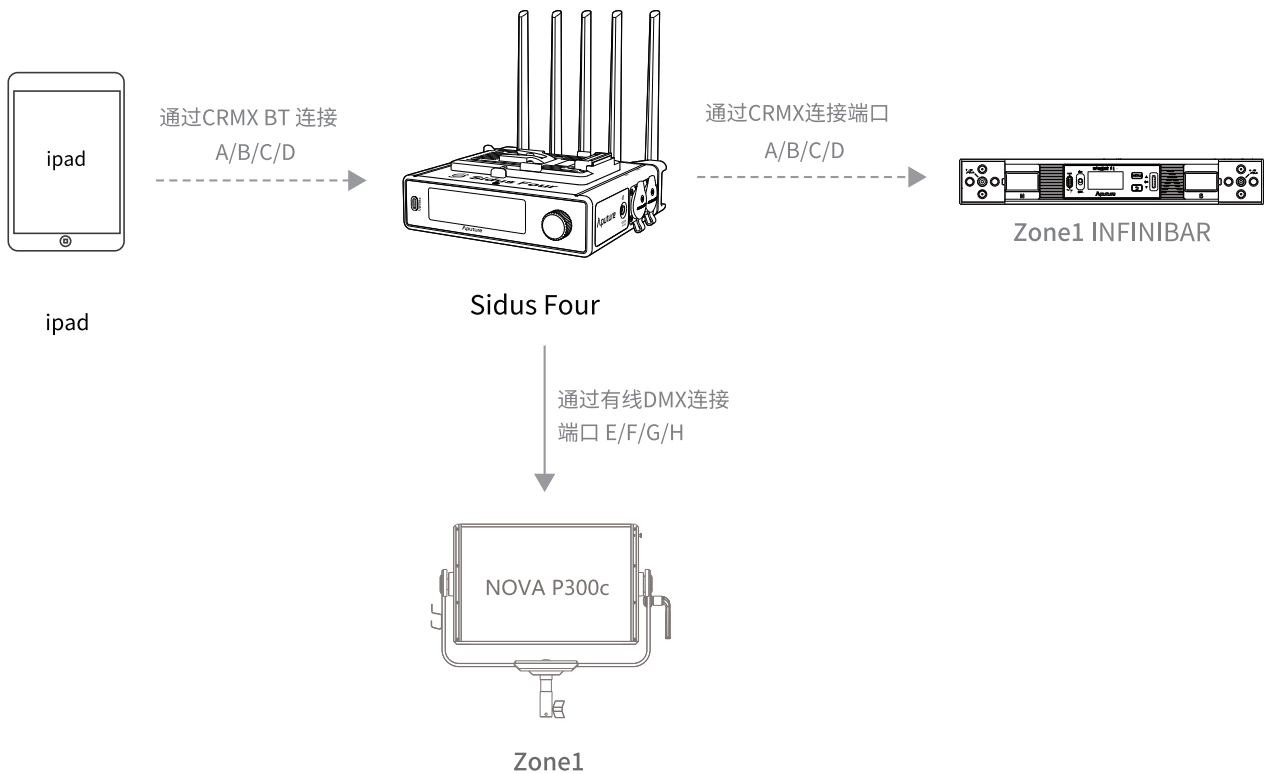
6.Wi-Fi (Art-Net/sACN) IN to (4) CRMX Transmitters OUT and (4) DMX OUT.



7. (4) DMX IN to (4) CRMX Transmitters OUT.

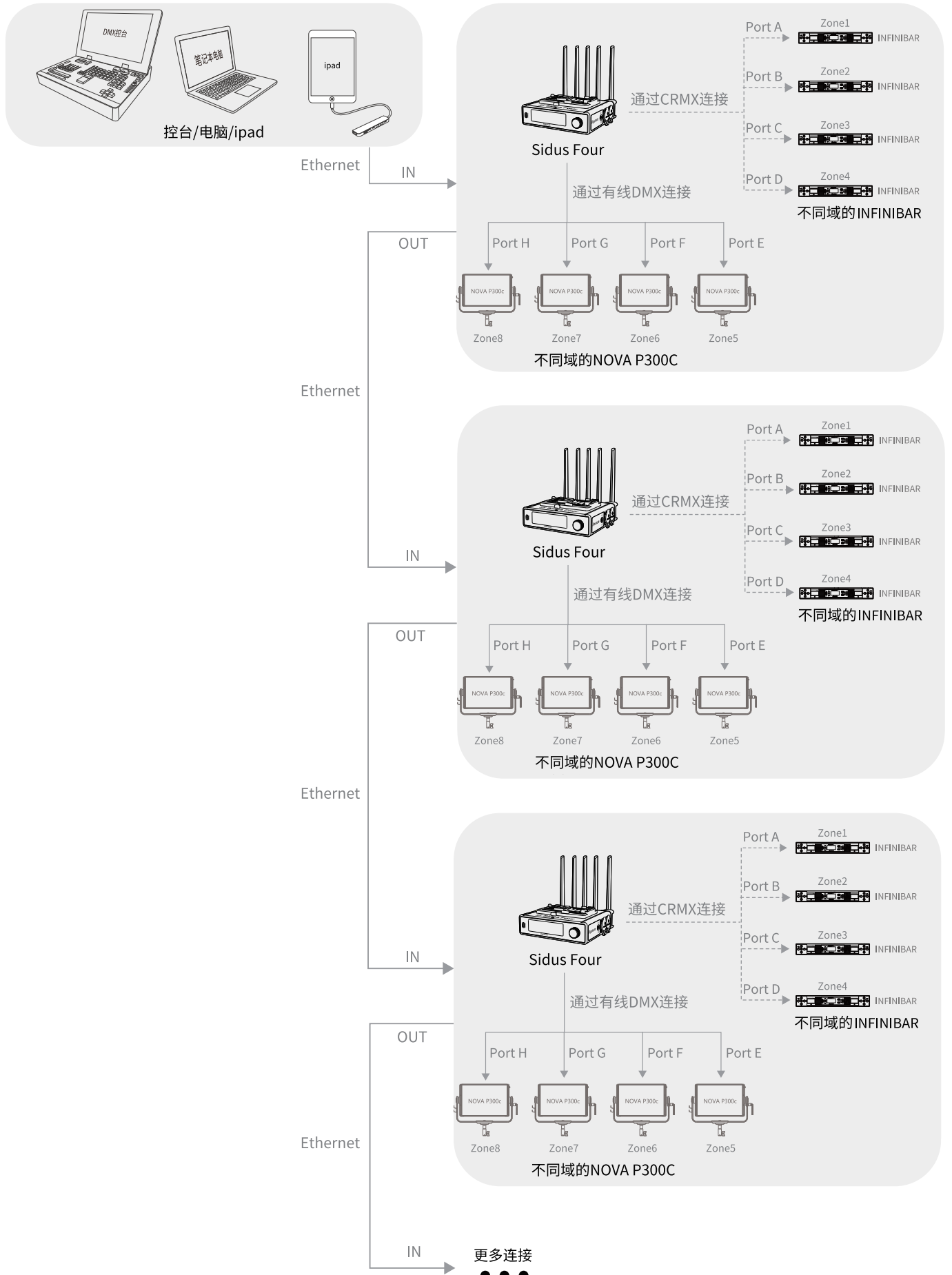


8. 1 CRMX Bluetooth input, 1 CRMX output and 1 wired DMX output.

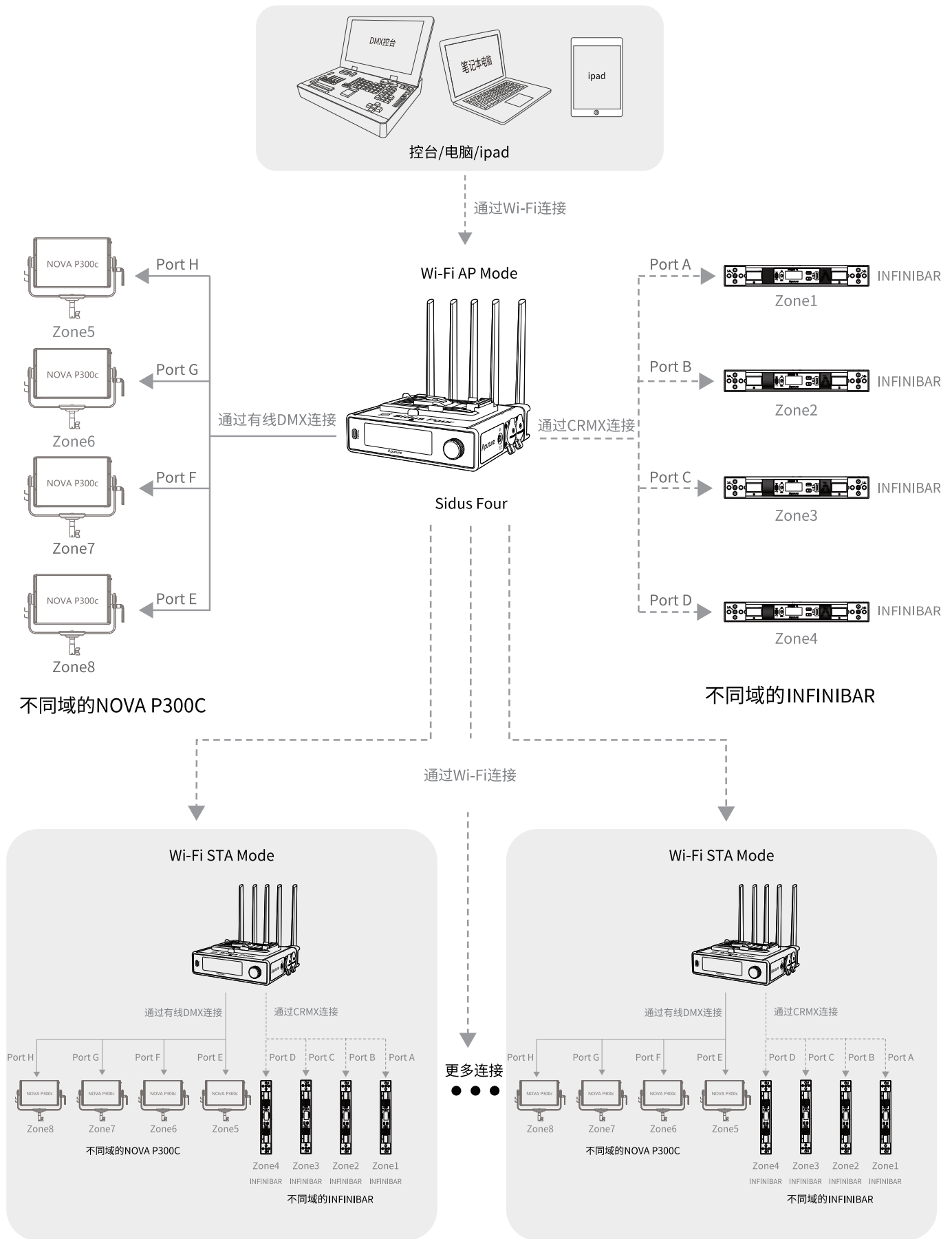


9. Advanced Application Scenarios

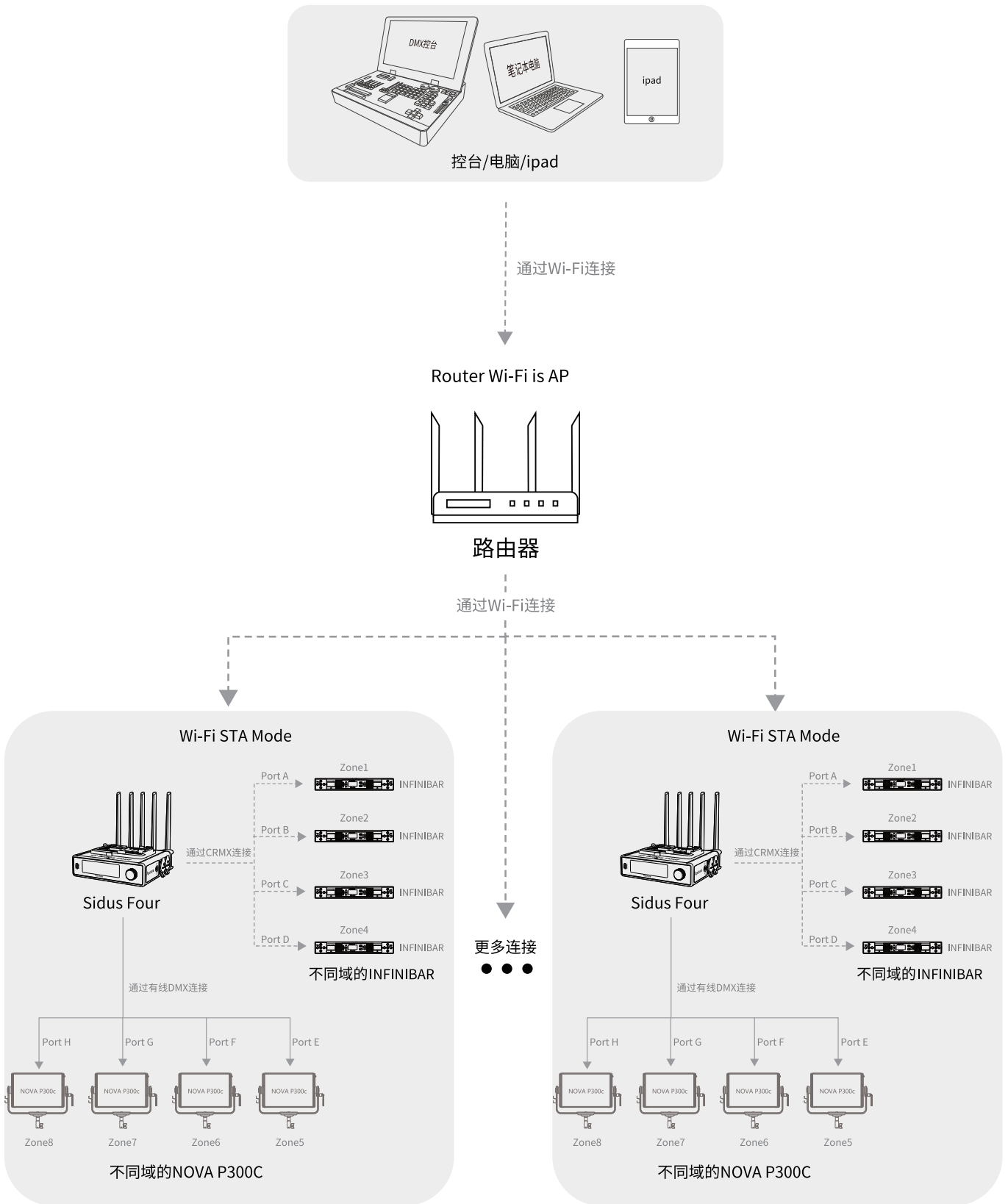
Use Ethernet to connect multiple Sidus Four*



Use WiFi to connect multiple Sidus Four devices*



Multiple Sidus Four units connected via a Wireless Router as Access Point*

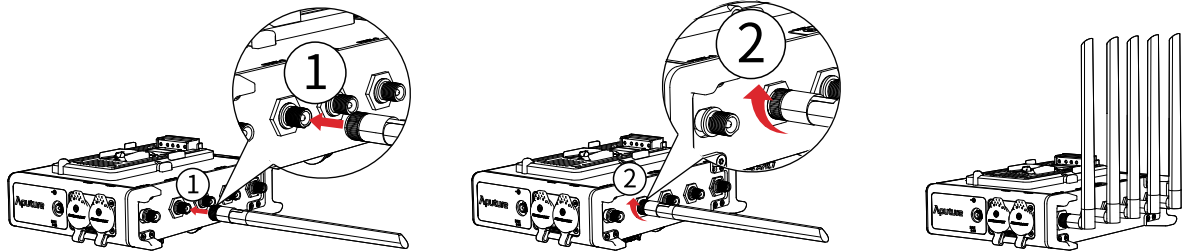


**Note: When using multiple Sidus Fours utilizing CRMX, space each Sidus Four a minimum of 6 feet apart from each other.(Note: Sidus Four is recommended to be played at least 2 meters apart when sending wireless CRMX.)*

Operating Instructions

1.Installing Antennas

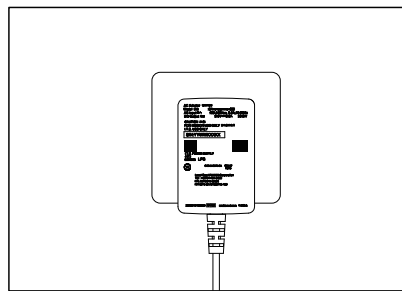
Install 5 antennas to Sidus Four



**Note: It is recommended to power on and power off Sidus Four with the antennas connected.*

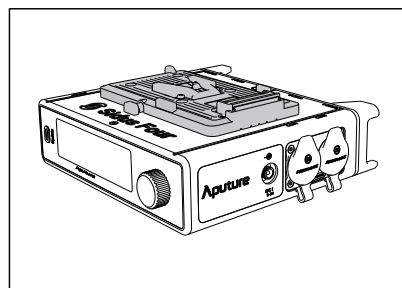
2.Powering and Charging

2.1. Connect the Power Supply or External

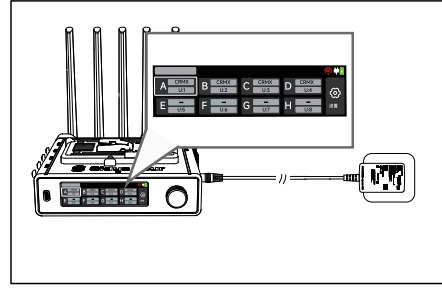
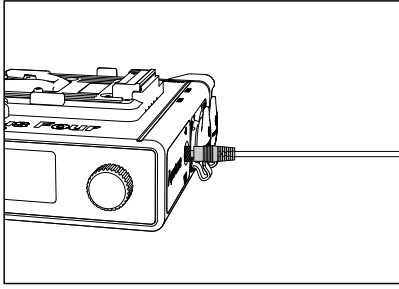


Battery

2.1.1. V-Mount Battery Connection

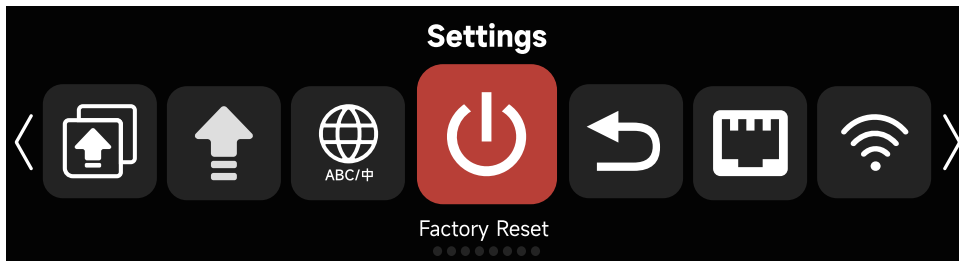


2.1.2. Locking Power Cable input Port



2.2. Power On/Off

Sidus Four automatically powers on whenever a power source is provided. To power off Sidus Four, enter the Main Settings menu and select the Power icon.



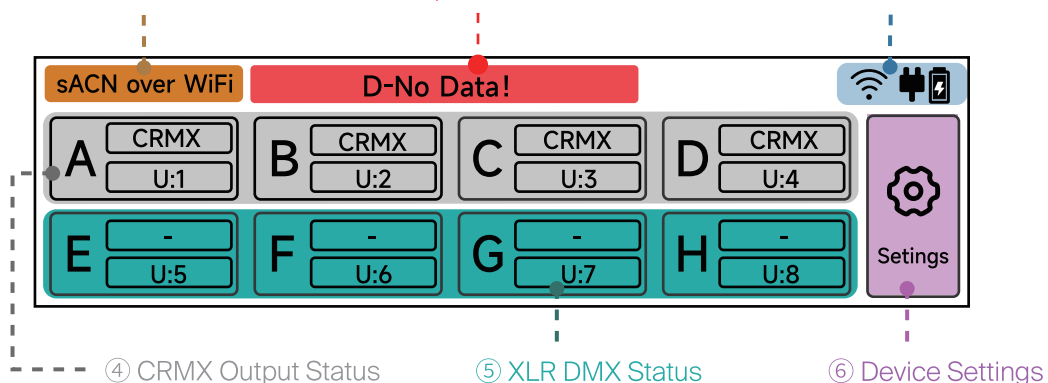
2.3. Charging Backup Battery

Sidus Four comes with an internal 3.7V / 1500mAh lithium battery which is activated when the external power source is disconnected. When an external power supply is disconnected, the built-in internal battery will immediately supply power, and connections will not be affected. When the external power supply is connected again, input power will return to the power source and charging the backup battery if needed.

3. Displays and Settings

3.1. Main Display Interface

- ① Control Method Status Bar ② Output Status Bar ③ Power and Communications Status Bar



3.1.1. Control Method Status

The Control Method Status Bar, displays the current data source:

Control Indicator:

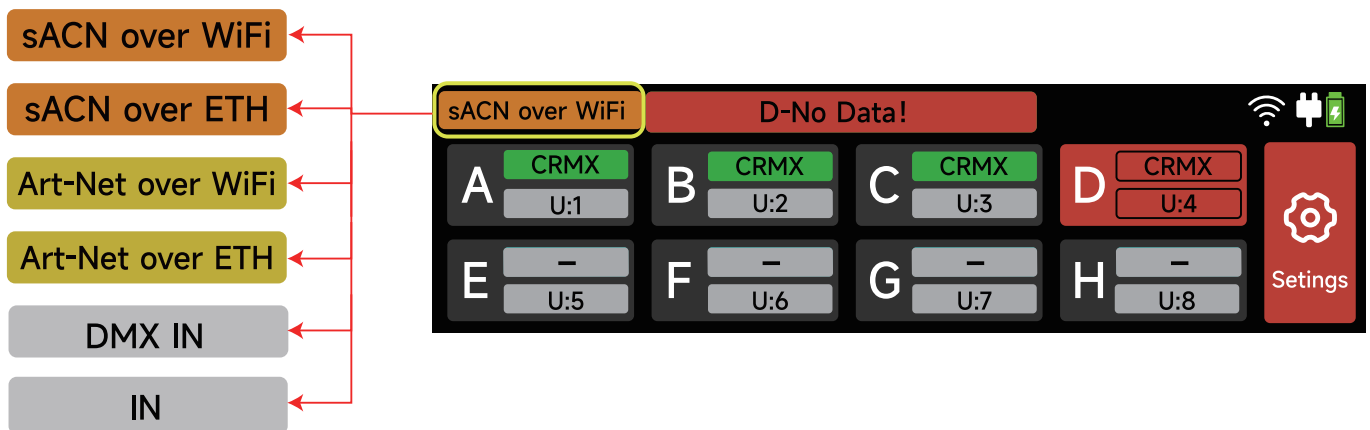
Orange = sACN

Yellow = Art-Net

Gray = No Control Source

If the control source is over ethernet, “ETH” is indicated. For example, a Yellow background with “Art-Net over ETH” indicates the control protocol is Art-Net and the connection is via wired ethernet.

If the control source is from Wi-Fi, “Wi-Fi” is indicated. For example, an Orange background with “sACN over WiFi” indicates the control protocol is sACN and the connection is via Wi-Fi.



3.1.2. Output Status Bar

The Output Status Bar displays the status of each Output Port:

Good: Device connection and data are normal.

Linking: Ports are initiating CRMX connections.

Port No Data: Port No Data, Check Port Universe Settings or Check if Data Source Connection is Working.

No Wi-Fi Data: No Wi-Fi data is received, please check the control device is normal.

Ethernet No Data: No Ethernet Data Received, Please Check Control Device Is Working.



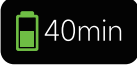










Wi-Fi signal is unstable: check if the Sidus Four antenna is installed properly, or check if there is occlusion or distance between the Sidus Four and the AP node.

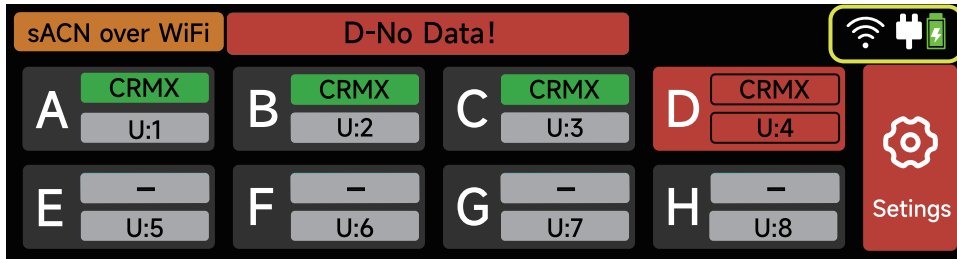
Universe Error: Port Universe settings are out of protocol range, refer to protocol range settings: Art-Net is 0-32767, sACN is 1-63999.

Low battery power: The built-in spare battery life is very low. Connect to external power supply as soon as possible.

DC power supply disconnect: external V-Mount Battery or DC power supply port, please connect the external power supply as soon as possible

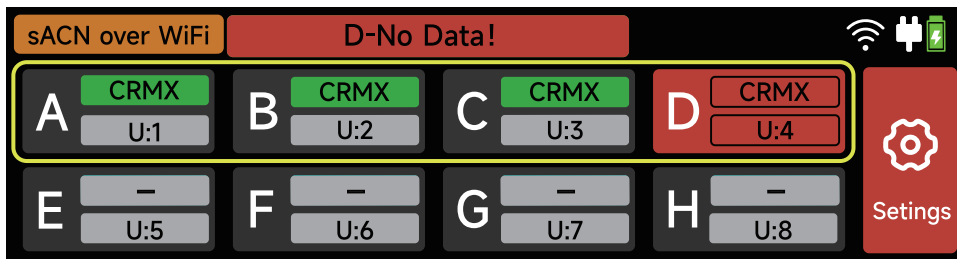
3.1.3. Power and Communications Status Bar

Power Icon	Connected External 9-24 V DC Power	
V-Mount Power Icon	Connected external V-Mount Battery power	
Battery icon 1	Backup Battery power and remaining usage time	
Battery icon 2	Backup Battery is low, please connect to external power supply as soon as possible	
Battery icon 3	Charging the Backup Battery	
Battery icon 4	Backup Battery is full	
Ethernet icon 1 (white)	Ethernet connected; data present	
Ethernet icon 2 (red)	Ethernet connected, but no data is present, please check that the Ethernet settings are correct	
Wi-Fi Icon 1 (White)	Wi-Fi is in AP mode and connected with data present.	
Wi-Fi Icon 2 (Red)	Wi-Fi is in AP mode, connected, but no data is being received. Please check if the Wi-Fi settings are correct and check that ethernet data is not also being received.	
Wi-Fi Icon 3 (White)	Wi-Fi is in STA mode, connected normally, and displaying Wi-Fi signal strength.	
Wi-Fi Icon 4 (Red)	Wi-Fi is in STA mode, connected and displaying Wi-Fi signal strength, but no data is being received. Please check if the Wi-Fi settings are correct.	
Wi-Fi Icon 5 (Red)	Wi-Fi is in STA mode and not connected.	
Wi-Fi icon 1 (white)	Wi-Fi Normal connection	
Wi-Fi icon 2 (red)	Wi-Fi is connected, but no data is being received, please check that the Wi-Fi settings are correct	



3.1.4. CRMX Status Row

Sidus Four has 4 built-in CRMX modules to support 4 CRMX outputs; A-D corresponds to Output Ports of four CRMX modules and also corresponds to the antennas of the Sidus Four.



CRMX Status, Universe Setting, and data status are displayed for each port:

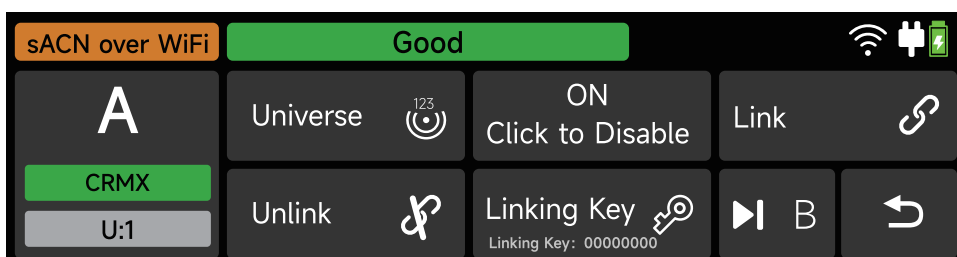


CRMX Enabled/Data is present: GREEN

CRMX Enabled/Data is not present: RED

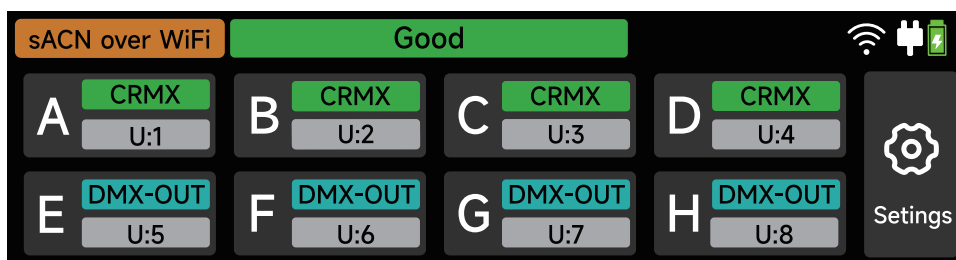
Scroll the wheel to select the Output and Click to open the Output Settings. On the Output Settings menu, set the Universe for the Port is set and where CRMX Linking options are available. Enabling or disabling the port and specifying the Linking Key for the Output Port is also set here.

For devices that allow for linking via Linking Key, set their Linking Key to match the port to listen for. Put the device in “CRMX” Mode. If the device offers a “Port” or “Universe” selection, then select “A” or “1” to listen to the matching Output Port of Sidus Four.

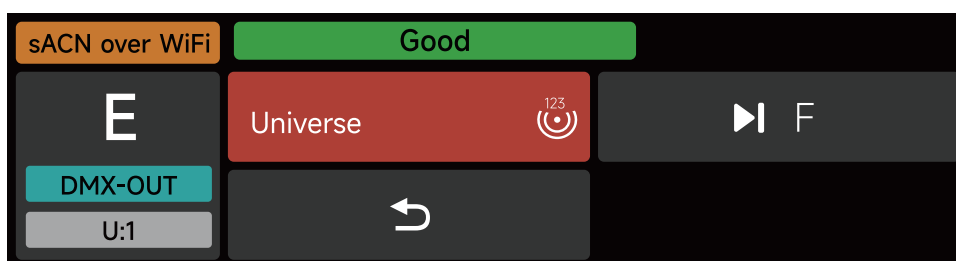


3.1.5. XLR DMX Status Row

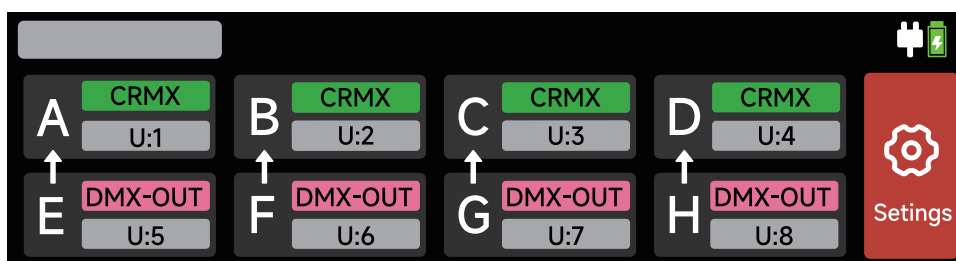
Sidus Four has 4 XLR DMX Ports available. Each Port can act as an output or an input.



1. When using Ethernet or Wi-Fi as the data source of Sidus Four, the E-H port can output 1 Universe of data each. The Universe chosen in the Port Settings is displayed in the Main Display;

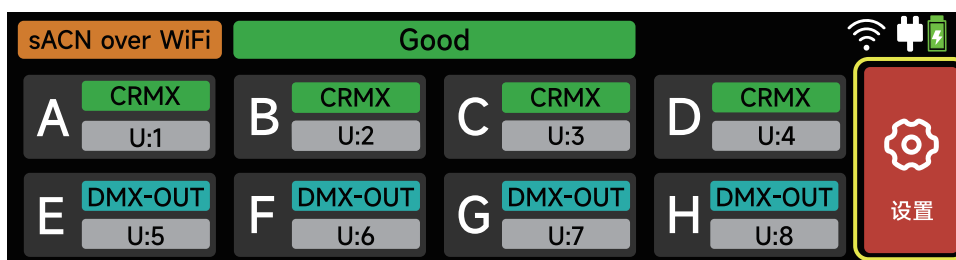


2. When using DMX INPUT Ports as the data source for the Sidus Four, the E-H Ports automatically connect to the corresponding CRMX Ports above the port in the Main Display.

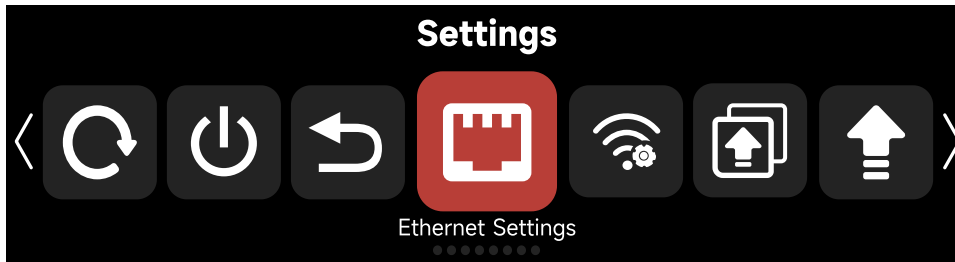


3.2. Device Settings

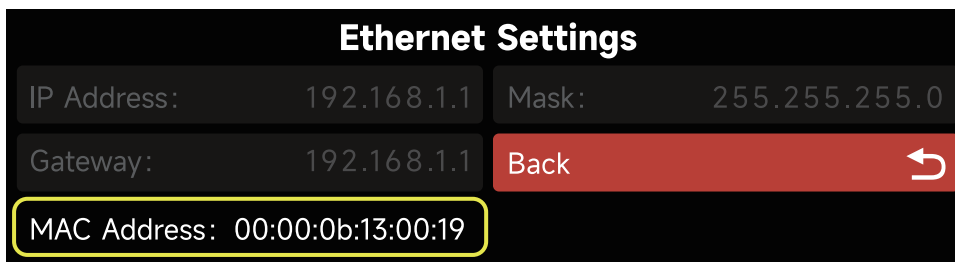
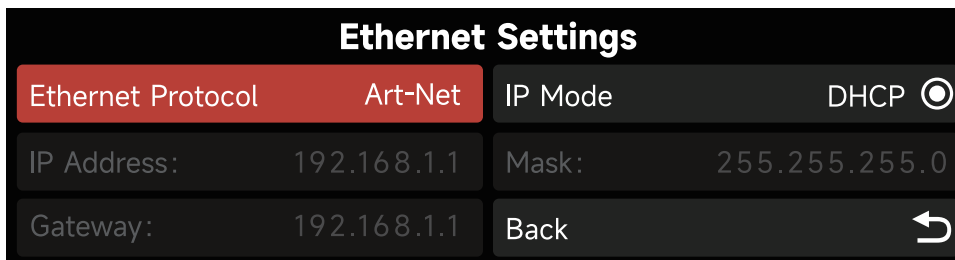
On the Main Display, select the Settings icon to enter the Sidus Four Settings interface.



3.2.1. Ethernet Settings

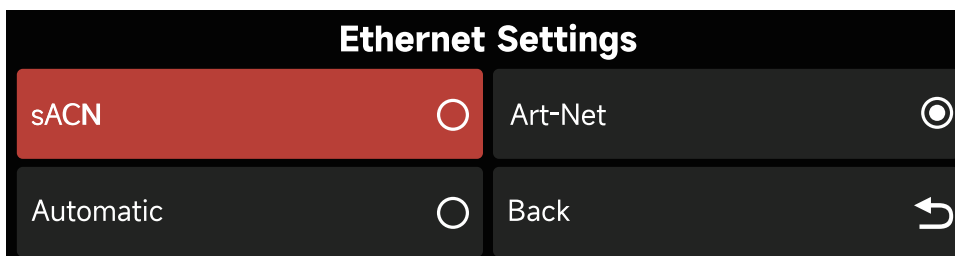


1. In Ethernet Settings, select the Ethernet Protocol, IP mode, and set the Sidus Four network IP's. The MAC address of the Sidus Four is also displayed here.



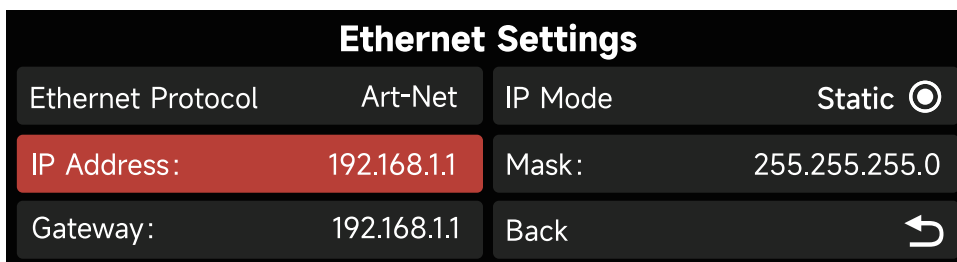
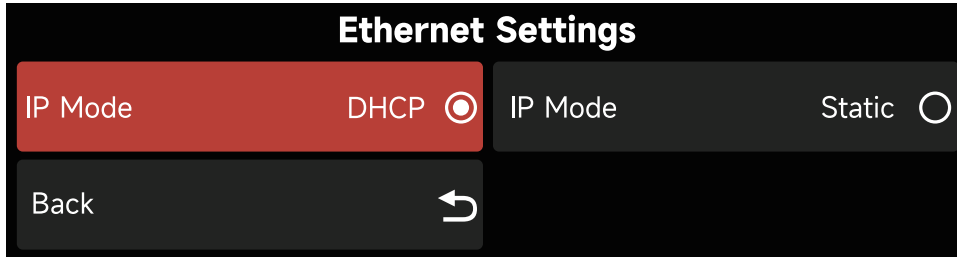
2. In Ethernet Protocol, choose the control protocol, sACN or Art-Net, or allow Sidus Four to automatically detect the protocol present.

**Note: Best practice does not recommend using sACN and Art-Net on the same unmanaged network.*



3. In IP Mode Settings, choose how the Sidus Four's IP is to be determined. Choose "Auto(DHCP)" to allow the network DHCP Server to automatically populate Sidus Four's IP Address, Subnet Mask, and Gateway IP. Choose "Static" to enter the information manually.

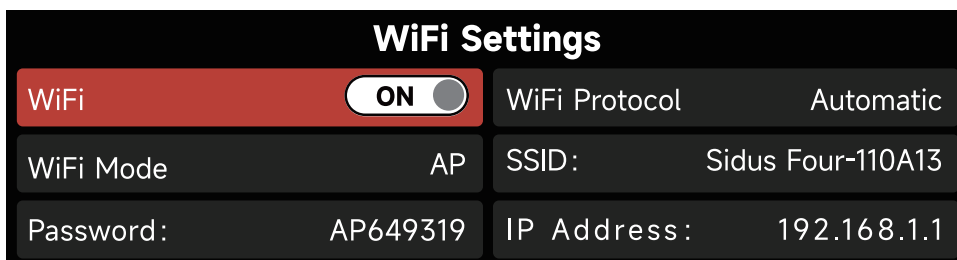
**Note: There must be a DHCP Server on the network for the IP information to auto-populate when selecting "DHCP".*

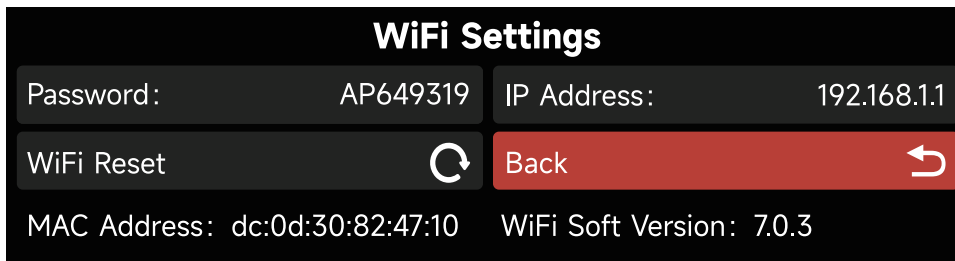


3.2.2 Wi-Fi Settings



1. In Wi-Fi Settings, turn Wi-Fi ON or OFF, select the Control Protocol Wi-Fi should use, the Wi-Fi Mode (AP or STA), enter SSID and password and choose Wi-Fi IP settings. The Wi-Fi MAC Address and Wi-Fi Module Firmware Version are also listed.





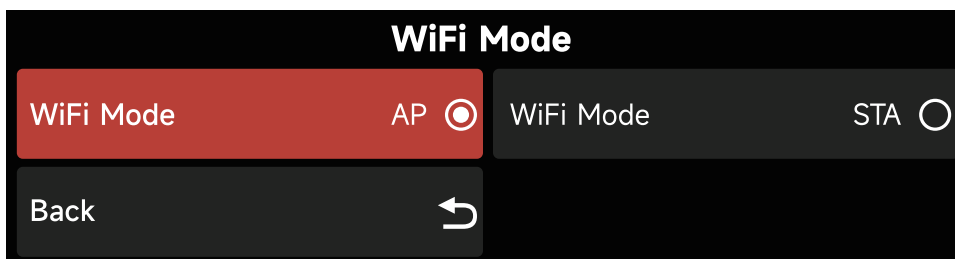
2. Just like Ethernet Control Protocols, Wi-Fi also supports choosing between sACN, Art-Net, or automatic detection.

**Note: Best practice does not recommend using sACN and Art-Net on the same unmanaged network.*

3. Wi-Fi supports two connection modes: AP mode (wireless access point) and STA mode (station).

AP Mode: When set to AP mode, the Sidus Four's Wi-Fi will act as a wireless access point and acts as the DHCP Server in the network.

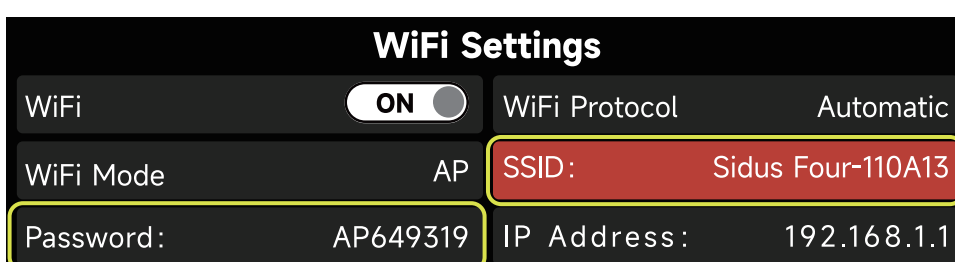
STA Mode: When set to STA mode, the Sidus Four will act as a workstation to communicate with other devices, such as a network router or a Sidus Four in AP mode.



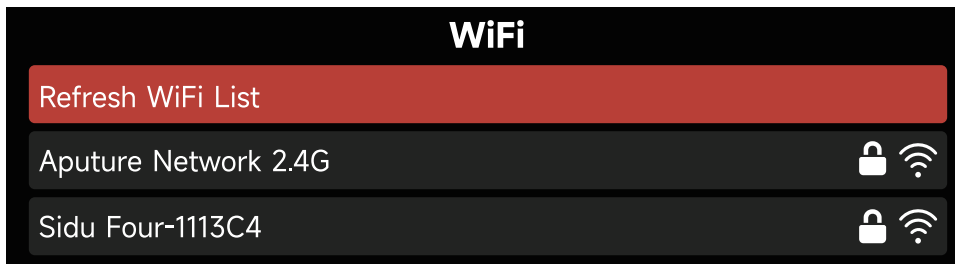
4. Since Sidus Four Wi-Fi Mode can act as an AP or STA, the SSID (wireless network name) and Wi-Fi password settings are specific to those Wi-Fi modes.

When Wi-Fi is in AP Mode, then the SSID and Password refer to the wireless network other devices need to connect to in order to communicate with this Sidus Four in AP Mode.

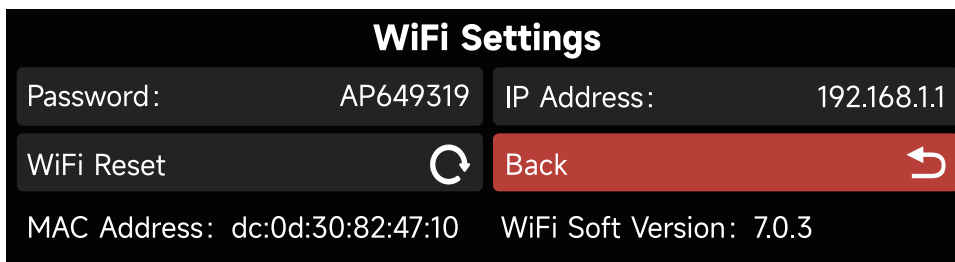
Both the SSID and Password are editable in the WiFi Settings interface.



When Wi-Fi is in STA Mode, the SSID (wireless network name) refers to the network for the Sidus Four to join. Under Password, Enter in the network password of the router.

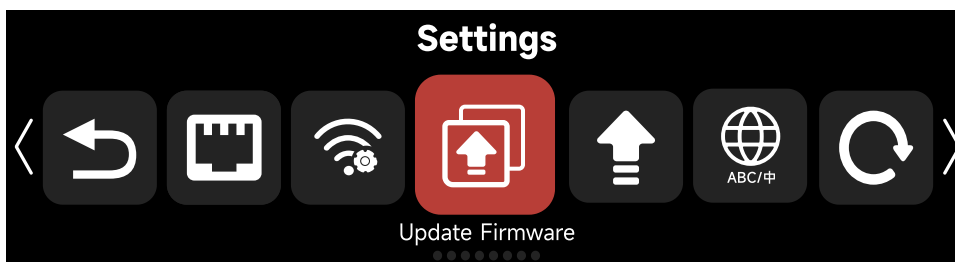


4. At the bottom of the Wi-Fi Settings interface, view the MAC address and software version of the Sidus Four Wi-Fi module.

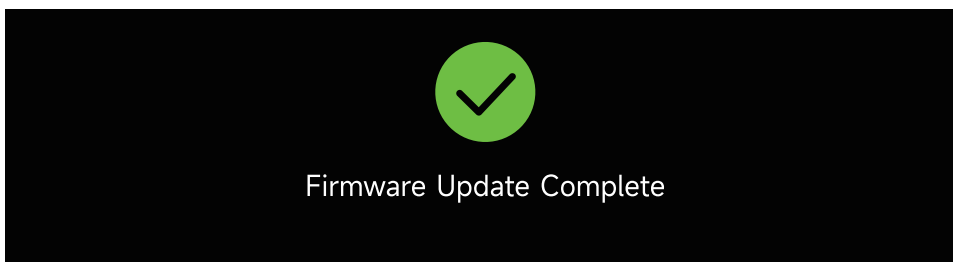
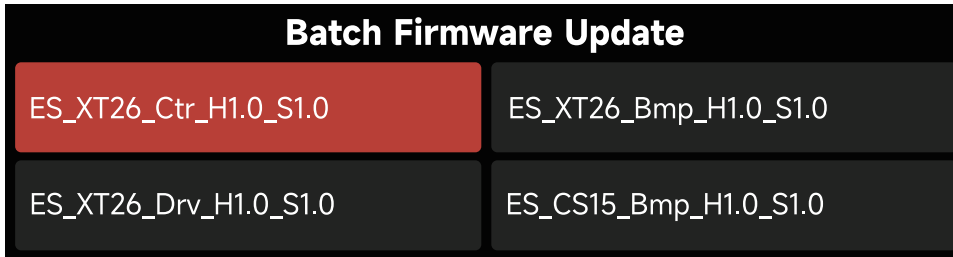
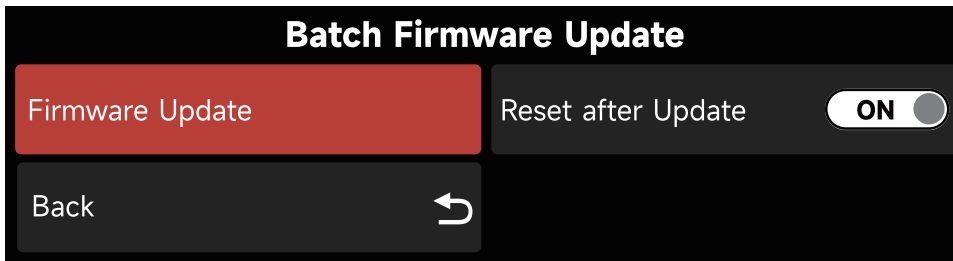


3.2.3. Batch Firmware Update

The Sidus Four Batch Firmware Update allows for rapid, high-volume updates of Aputure lighting fixtures.

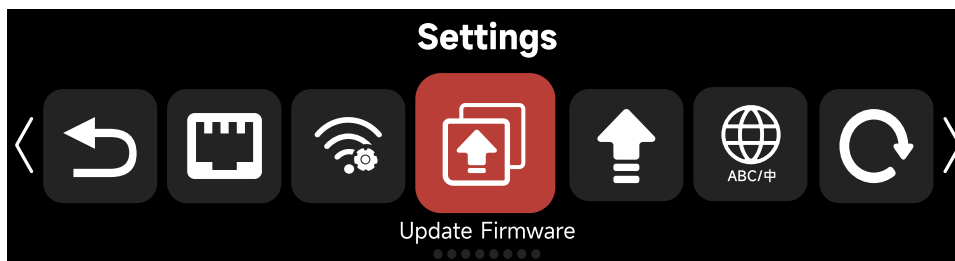


1. Insert the USB stick with the latest firmware of the Aputure fixture into the Type-C USB port of the Sidus Four.
2. Use the XLR-DMX port or wireless CRMX to connect to the lamp that needs to be updated. Please note that the lamp needs to support batch updates..
3. Select Firmware Update.
Choose whether to perform a Factory Reset after the Firmware Update is complete.
Choose the firmware to use for the update and wait for the update to complete. If the fixture fails to upgrade, it will blink slowly and will need to be upgraded again. In addition, choose whether to restore the factory settings after the batch upgrade interface is completed.



3.2.4. Sidus Four Firmware Update

Sidus Four can be updated using Sidus Link Pro, Sidus Link, or via a file on the root drive of a USB-C flash drive. The latest firmware files can be found on Aputure's official website.

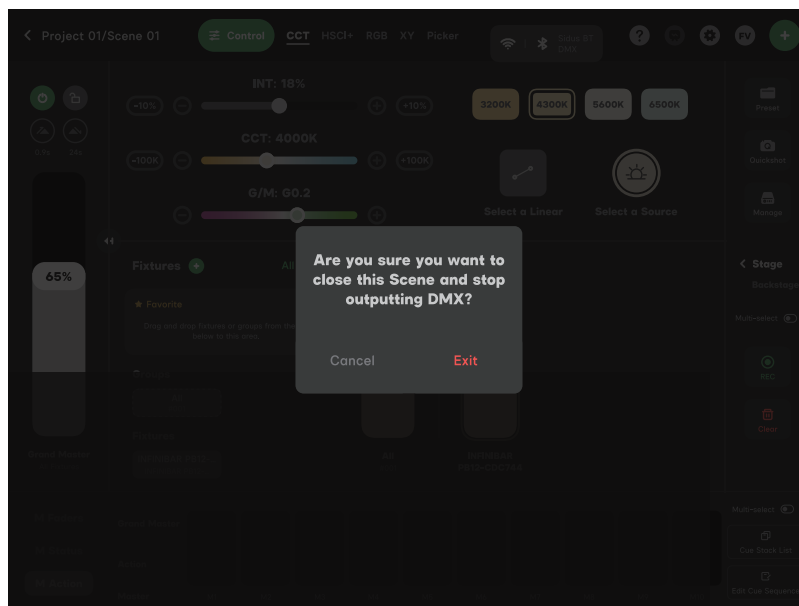
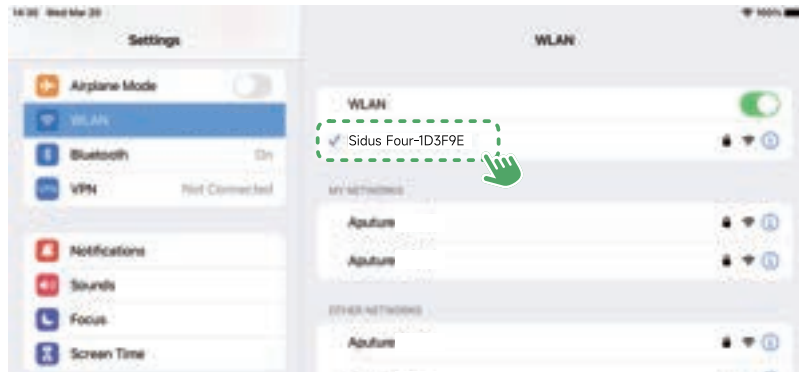


1.Utilizing Sidus Link Pro, the latest Firmware Update files for Sidus Four can be found in the Sidus Link Pro Library.

Note: Update files can be downloaded and cached while connected to the internet. Once downloaded, the firmware update can be performed without an internet connection. After the update file download is complete, reconnect to Sidus Four and return to Connection Management to perform the updates in the Transceiver Settings of Sidus Four.

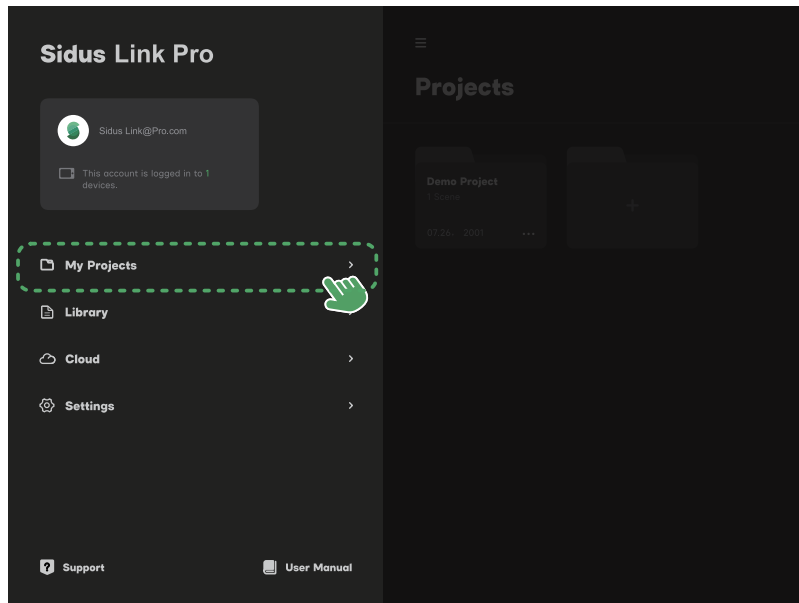
① Firmware Upgrade Using Sidus Link Pro App

Before upgrading, connect the iPad to a Wi-Fi network with Internet access and open the Sidus Link Pro app.

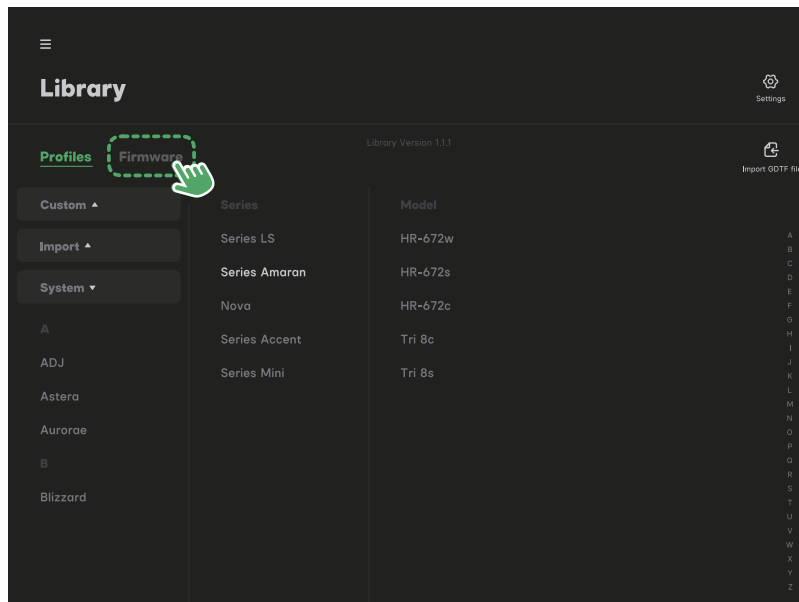


“Exit” the Scene to enter the Sidus Link Pro settings interface.

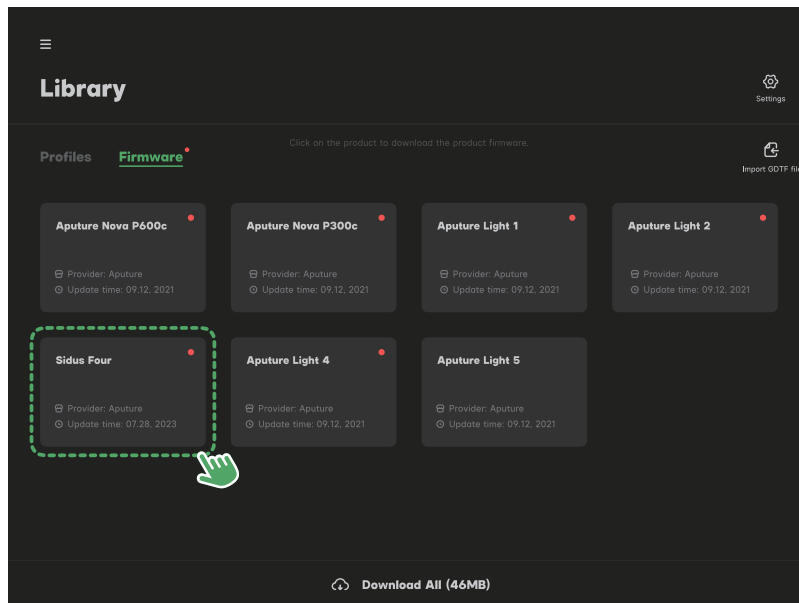
**Note: Exiting a Scene will stop DMX output to the lighting fixtures from Sidus Four.*



Click on the Library.



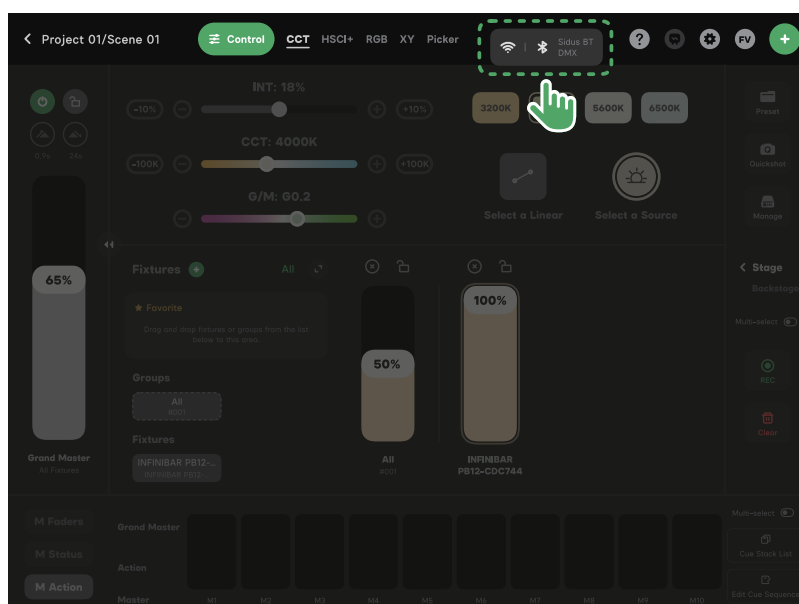
Click on Firmware.



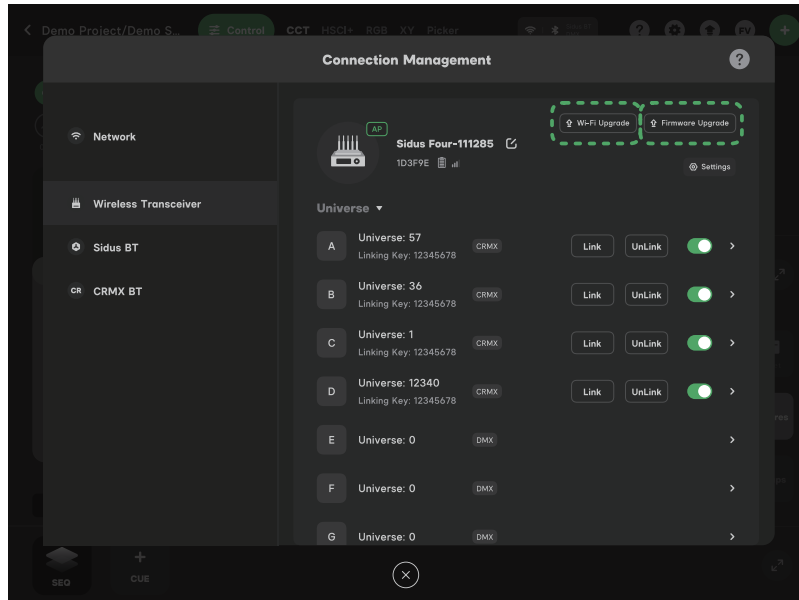
Find Sidus Four and click to download the firmware.



After downloading, switch the iPad's Wi-Fi network to the Wi-Fi network of the Sidus Four that needs to be upgraded.



Return to the Connection Management interface.



Click on Wireless Transceiver,
then click Firmware Upgrade and Wi-Fi Upgrade in the top right corner.

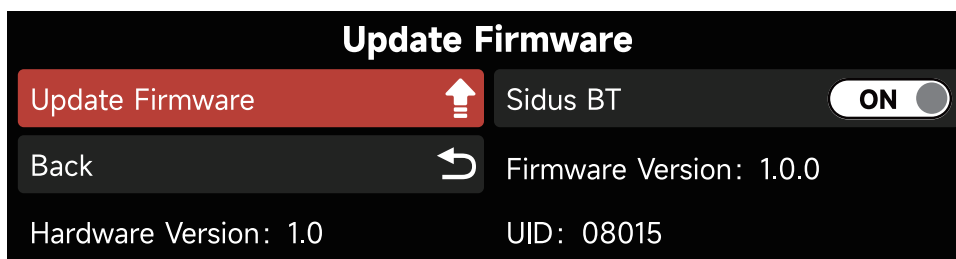
② Utilizing Sidus Link

Firmware Update using the Sidus Link App

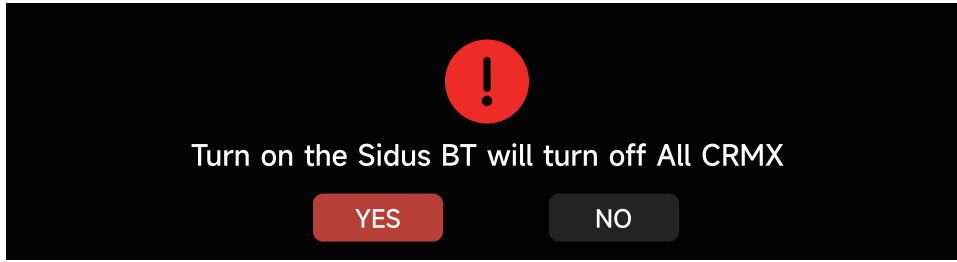
Pair Sidus Link to the Sidus BT of Sidus Four.



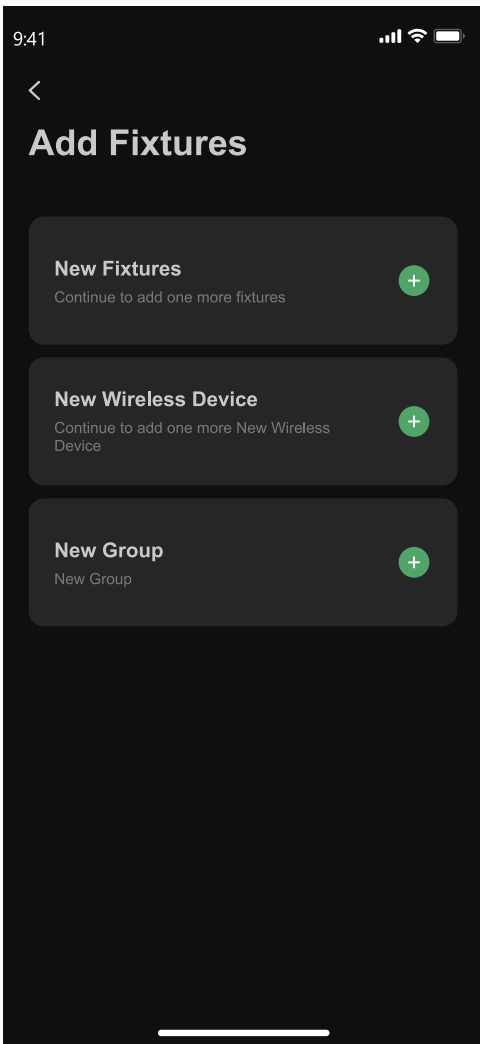
In the Main Settings Menu, select "Update".



Enable Sidus BT.



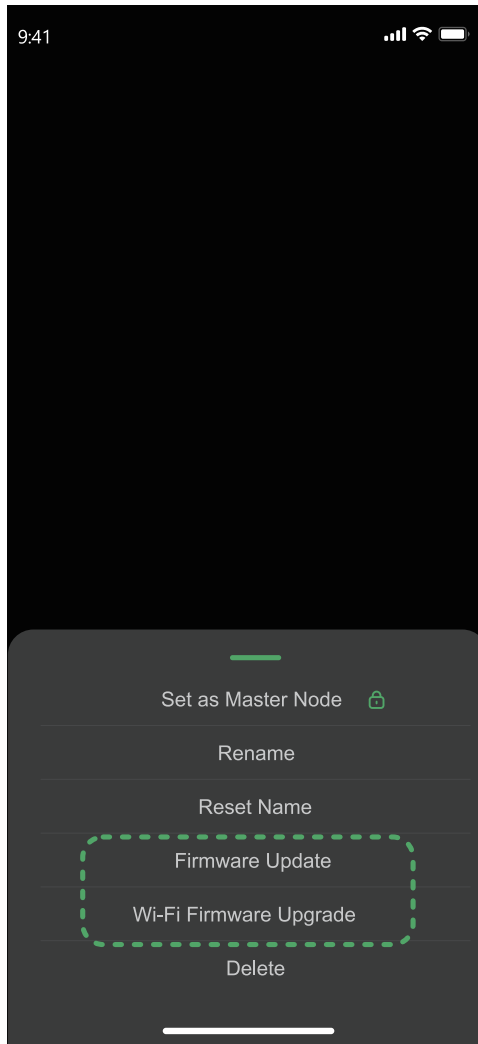
Confirm disabling CRMX Outputs to avoid interference during the Sidus BT update.



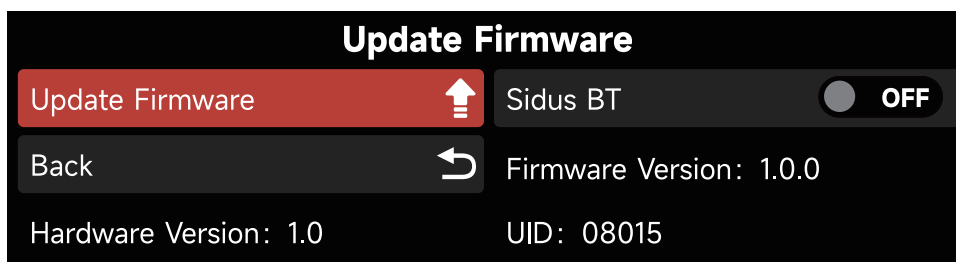
After completing the above steps, add Sidus Four in the Sidus Link App.



Select the Sidus Four that needs to be upgraded.



Select Firmware Upgrade and Wi-Fi Firmware Upgrade to upgrade the product.



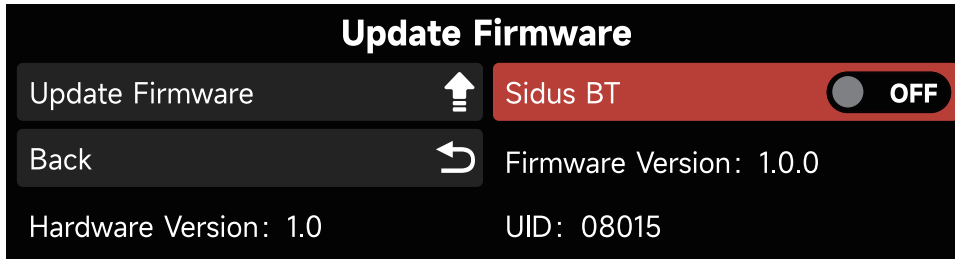
When the update is complete, disable Sidus BT to utilize CRMX Outputs again.

③ Firmware Upgrade Using a USB Flash Drive

Download the latest firmware for Sidus Four from the Aputure.com to a USB-C flash drive.

Ensure that the file is on the root level of the flash drive.

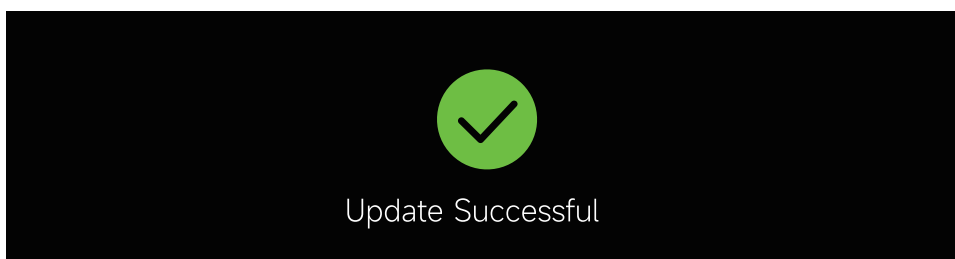
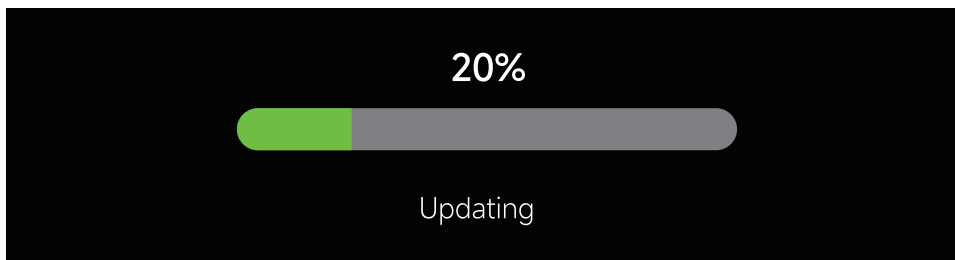
Insert the flash drive into the USB-C port of Sidus Four.



Select "Update" from the Main Settings menu and then select "Update".



Check that the update file is detected and then select "Yes."



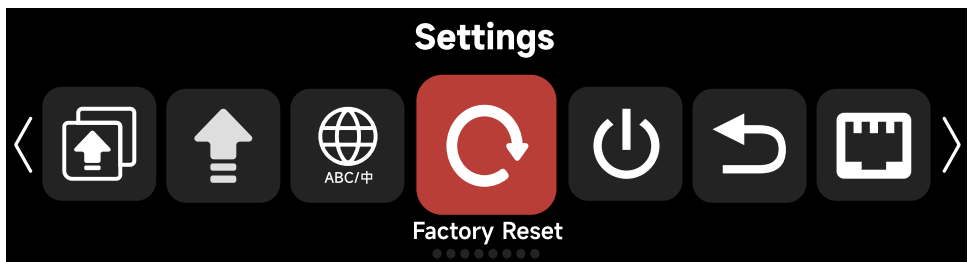
Wait for the upgrade to complete.

3.2.5. Language Settings

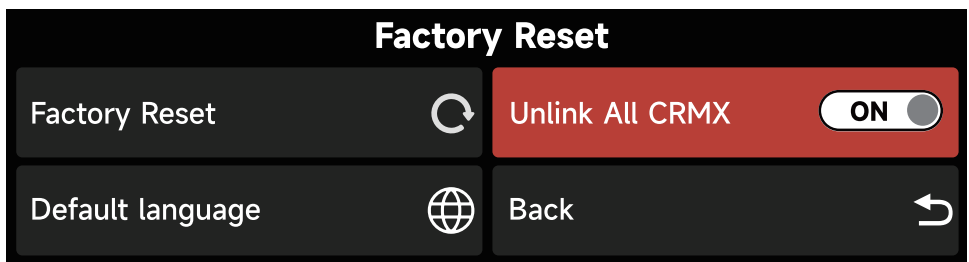
Sidus Four supports both English and Chinese. Select the language preference in the Language interface.



3.2.6. Factory Reset



To reset the unit to Factory settings, select Factory Reset from the Settings Menu. In the Factory Reset interface, change Sidus Four’s Factory Reset default language and select whether to Unlink all connected CRMX devices. Choosing the “Unlink All CRMX: OFF” option allows for a Factory Reset while maintaining the Sidus Four output CMRX links and Linking Keys.



Restore factory settings



Fast Restore Factory Countdown

Sidus Four default Factory Settings:

ABCD CRMX Outputs: Unlink all CRMX Receivers; restore Outputs to:

A: Universe 1;

B: Universe 2;

C: Universe 3;

D: Universe 4;

All Wireless Output Ports' Linking Keys reset to "00000000".

EFGH XLR-DMX ports: Output Universes reset to: 5, 6, 7, 8

Ethernet Settings: Automatic detection of Ethernet Control Protocols; DHCP/automatic assignment of IP information

Wi-Fi: Automatic detection of Wi-Fi Control Protocols; IP assignment reset; Wi-Fi SSID and Password reset to default; Wi-Fi Mode reset to AP.

Batch Firmware Update: utilize CRMX for updates; firmware updates do not trigger a Factory Reset of the updated device., after the completion of the update does not restore the factory settings

Language: English; default language after a Factory Reset can be altered in Language Settings.

**Note: A 3 second press of the Select Wheel is a shortcut to a factory reset of Sidus Four. There is a 3-second countdown with the option to cancel the factory reset.*



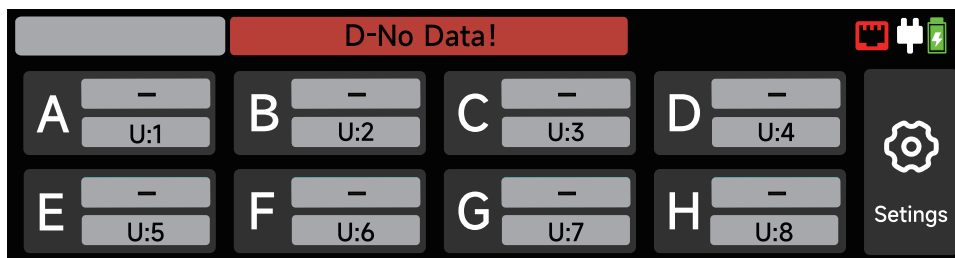
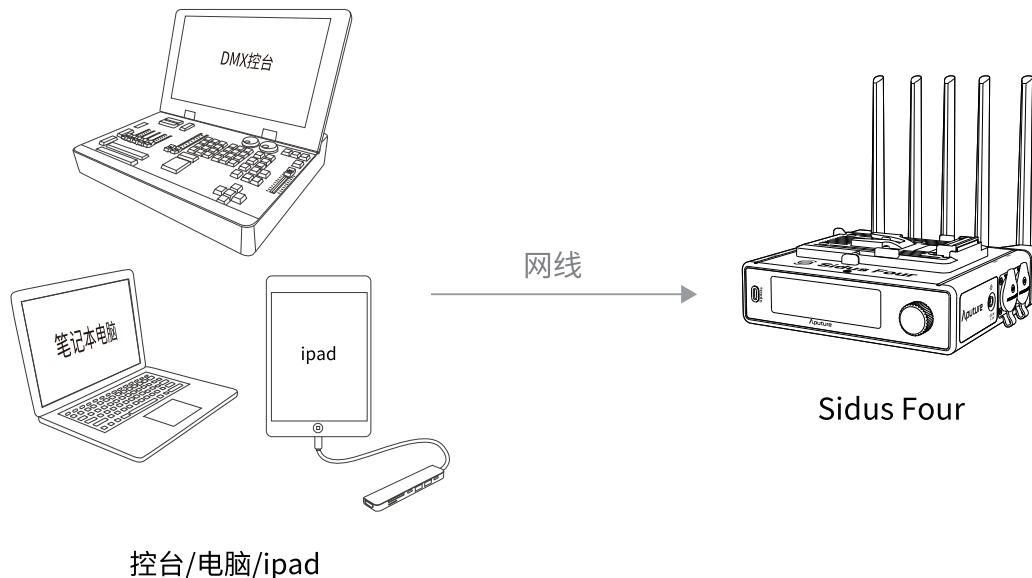
Factory Reset Shortcut:

4.Connecting to Sidus Four

4.1. Wired sACN / Art-Net Input to (4) CRMX Outputs and (4) DMX Outputs

With an ethernet connection to the Sidus Four, a maximum of (4) CRMX and (4) DMX outputs can be utilized.

4.1.1. Connect the control device to Sidus Four with a network cable. When the connection is complete, it is possible to connect properly on the Sidus Four and the control device.



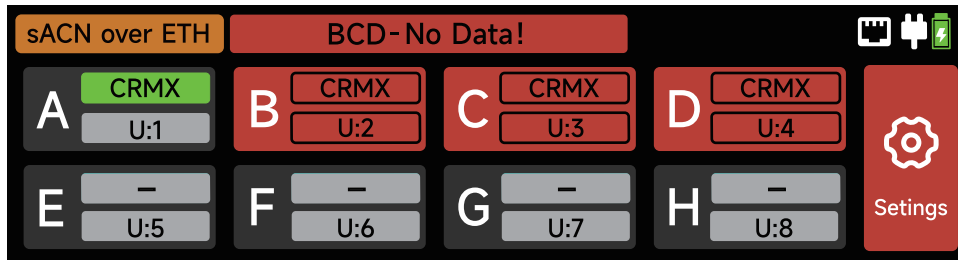
The Sidus Four feature bar in the upper right corner of the screen shows the red Ethernet Network icon, and the feature bar in the middle of the screen shows “Ethernet has no data. (Note, please use the latest pair of UI)

4.1.2. Using the sACN protocol to control

The sACN protocol supports multicast and unicast functions. When using unicast, set the the device and Sidus Four in the same network segment, and set the target IP address on the control device, that is, the IP address of the target Sidus Four, and finally match the universe of the port with the universe of the control device to achieve communication.

4.1.3. sACN Multicast

1. Setting the universe of the output on the control device and initiating the multicast output.
2. Set the universe value of the port that needs to be used on the Sidus Four. Set the Sidus Four universe to the same as the control device. When returning to the main interface, the red Ethernet icon in the top right corner of the screen turns white, and the error report in the product status bar in the middle of the screen no longer contains the error of port A. At the same time, port A turns green, indicating that the data connection is normal.

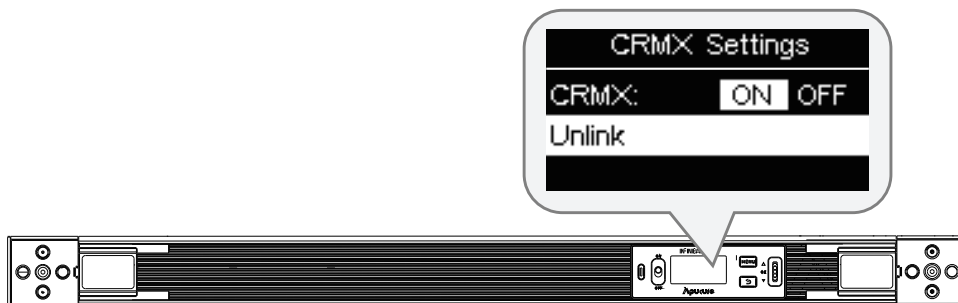


3. Sidus Four connection lamps.

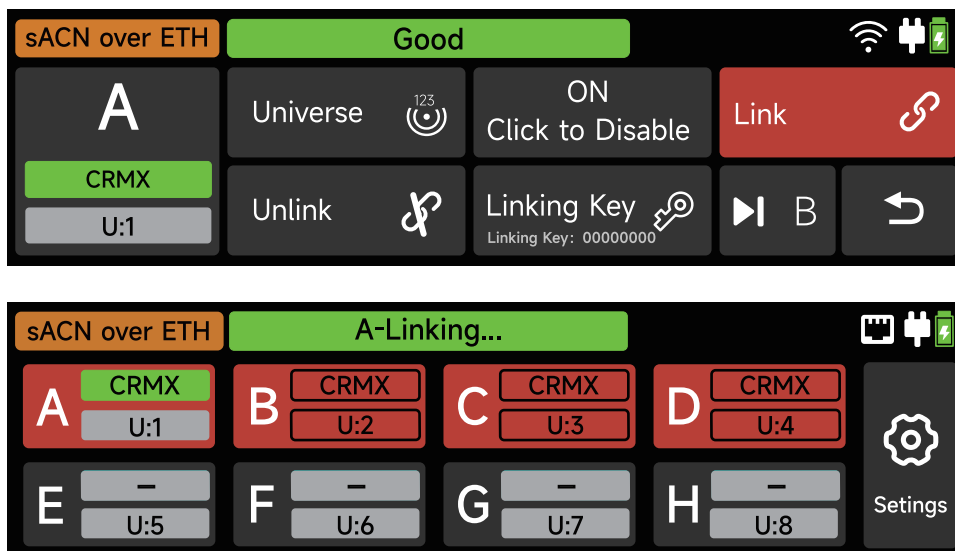
Set the CRMX menu on the lamp;



If the fixture has previously been connected to another CRMX emitter, select "Unconnect."



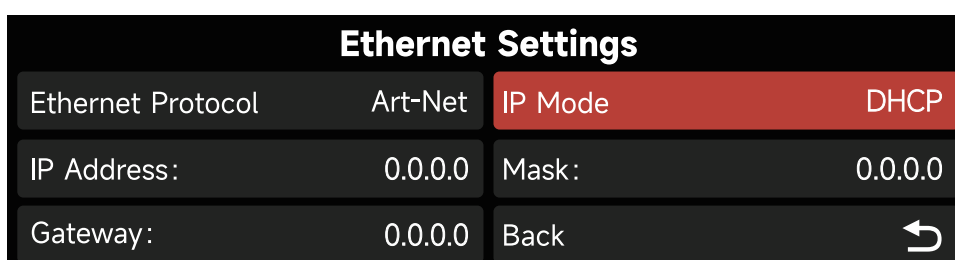
On the Sidus Four go to the settings screen for port A, select and click "Connect." At this point, the Sidus Four display bar says "A- is connecting."

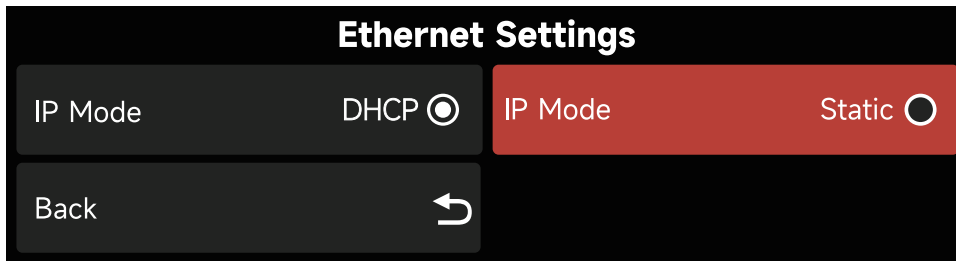


This completes the process of connecting the Sidus Four to the control device and the luminaire, and the remaining ports can be matched by the universe on the control device and the Sidus Four in the same way, and then connected to the luminaire.

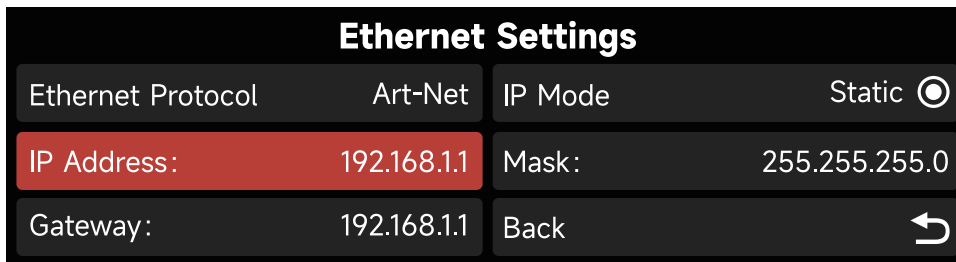
4.1.4. sACN Unicast

1. The use of unicast control requires the Sidus Four to be in the same network segment as the IP address of the control device, and the IP address of the Sidus Four that needs to send data is input on the control device. First, query the IP address and submask of the current control device on the control device.
2. Check IP address and submask at network connection when using computer control
Note to Schemers: Please circle the IPv4 address and submask.
3. After querying or setting the IP address and submask of the control device, the next step is to set the IP address of the Sidus Four on the Sidus Four. Open the Ethernet settings interface of Sidus Four, because the control device does not support DHCP function, so under DHCP Sidus Four can not get to the IP address, enter the IP settings to change the automatic IP to manual IP, and then manually set the IP.

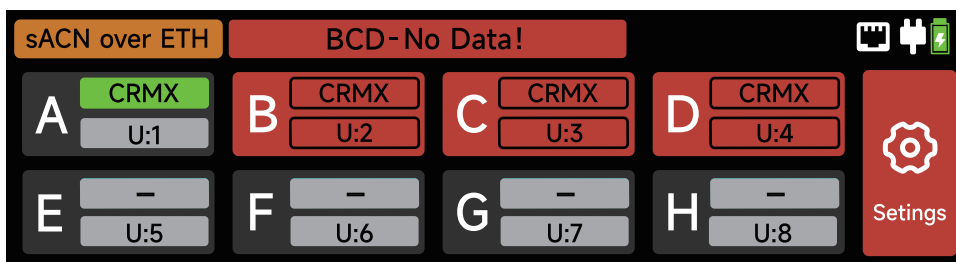




4. *Note: the IP address of the Sidus Four cannot be set to be exactly the same as the control device.



5. Finally, the universe of the port that needs to be used is set to the same as the control device in the Sidus Four; After the setup is complete, we can see that the red Ethernet icon in the upper right corner of the Sidus Four screen turns white, the error report in the product status bar in the middle of the screen no longer contains the error of port A, and port A turns green, indicating that the data connection is normal.

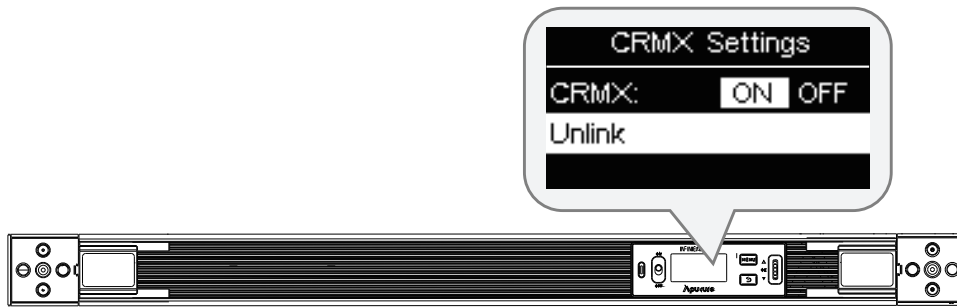


6. Sidus Four connection lamps.

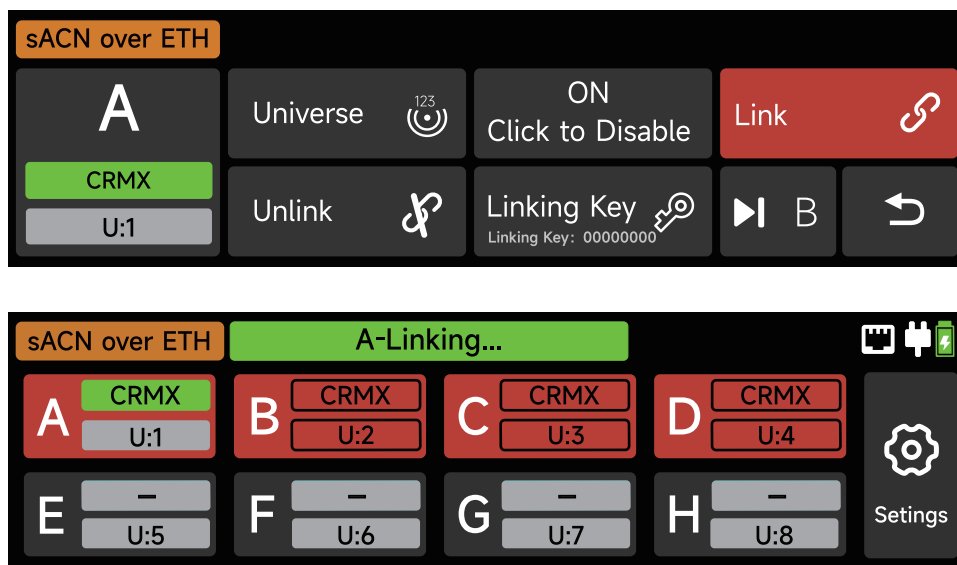
Set the CRMX menu on the lamp;



If the fixture has previously been connected to another CRMX emitter, select "Unconnect."



On the Sidus Four go to the settings screen for port A, select and click "Connect." At this point, the Sidus Four display bar says "A- is connecting."



This completes the process of connecting the Sidus Four to the control device and the luminaire, and the remaining ports can be matched by the universe on the control device and the Sidus Four in the same way, and then connected to the luminaire.

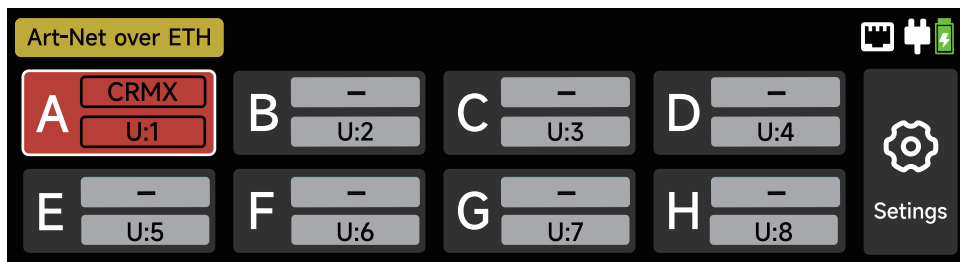
4.1.5. Using the ArtNet protocol to control

ArtNet protocol supports broadcast and unicast functions. When using broadcast, the control device and the Sidus Four need to be in the same network segment, and then the port universe and the control device universe matching to achieve communication; When using unicast, the control device and Sidus Four need to be in the same network segment, and the target IP address is set on the control device, that is, the IP address of the target Sidus Four, and finally the universe of the port and the universe of the control device can be matched to achieve communication.

4.1.6. ArtNet Radio

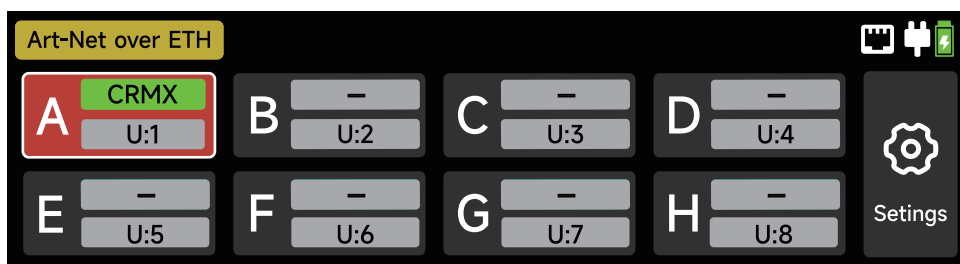
1. Using broadcast control requires the Sidus Four to be in the same network segment as the IP address of the control device.

2. After the IP address is set up, the top right corner of the Sidus Four screen can see that the icon of Etaiwang turns white, indicating that the IP setting is successful; Since we have not yet set the universe, port A is still in the red alarm state.



3. The next step is only to match the universe to achieve communication, configure the universe that needs to be output on the control device, and need to enable the broadcast output of the universe.

4. Finally, the universe of the port that needs to be used is set to the same as the control device in Sidus Four; After setting up, we can see that the state of port A turns green, indicating that the data connection is normal.



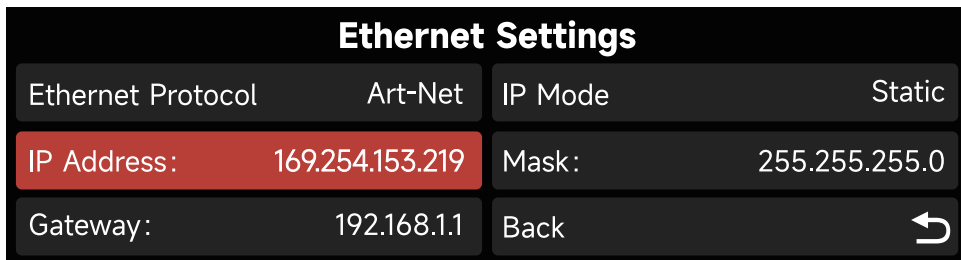
5. Sidus Four connection lamps, the specific operation can refer to [1.1.2 sACN unicast \(7\)](#)

This completes the process of connecting the Sidus Four to the control device and the luminaire, and the remaining ports can be matched by the universe on the control device and the Sidus Four in the same way, and then connected to the luminaire.

4.1.7. ArtNet unicast

1.It is necessary to control the device and Sidus Four in the same network segment, and set the target IP address on the control device, that is, the IP address of the target Sidus Four, and finally match the universe of the port with the universe of the control device to achieve communication. Similarly, first of all, we need to set the IP address of Sidus Four to the same network segment, the specific operation can refer to **1.1.2 sACN unicast (1) ~ (4)**

2.After the IP address is set up, we need to set the target address of unicast in the control device, which is the IP address we set on the Sidus Four.



IP Address of Sidus Four

Enter the IP address of the target Sidus Four on the control device

3.After completing the setting of the IP network segment and the target address, it is finally necessary to match the universe and control device of Sidus Four and connect the lamp through CRMX, and the specific operation can be referred to the (2) ~ (5) of the 1.2.1 ArtNet broadcast.

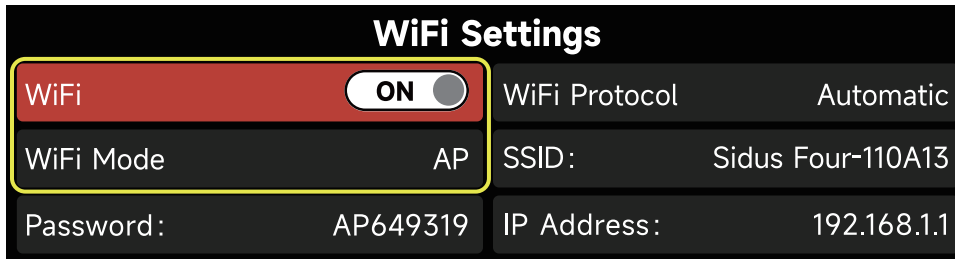
4.2. Wi-Fi sACN / Art-Net Input to (4) CRMX Outputs and (4) DMX Outputs

Sidus Four acts as a wireless access point (AP mode), and the Sidus Link Pro App directly connects to Sidus Four's Wi-Fi network.

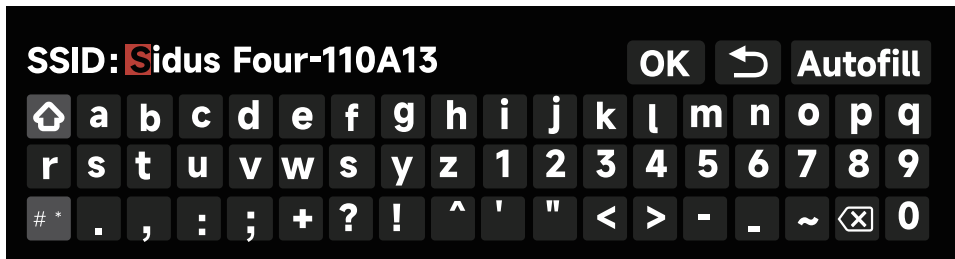
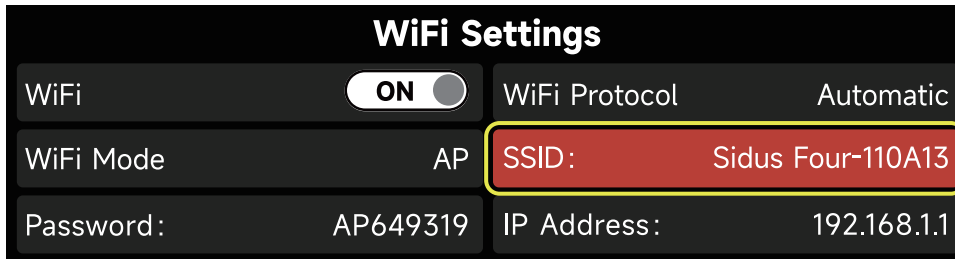
1.Turn on the Wi-Fi network on Sidus Four, set the Wi-Fi mode to AP mode, and configure a name and password for the Wi-Fi network.



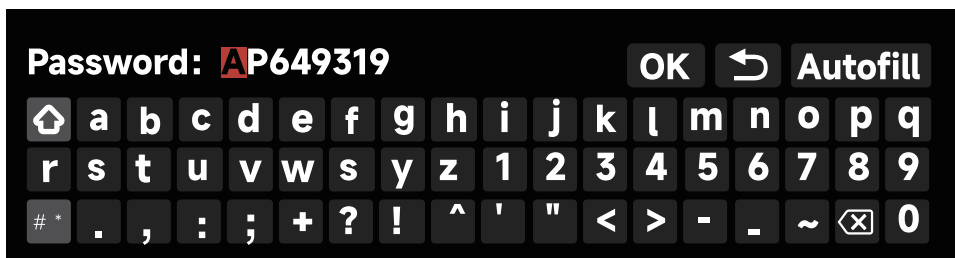
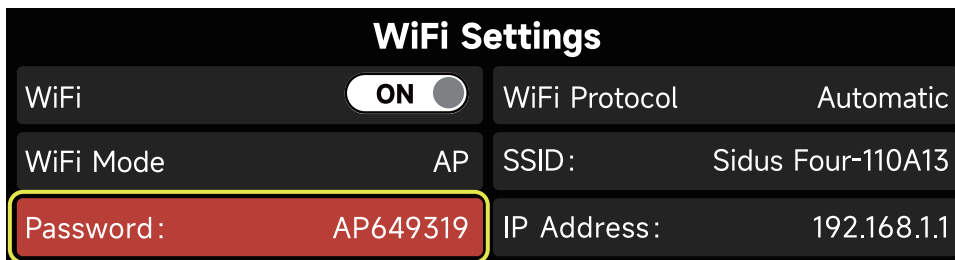
Enter Wi-Fi settings



Turn on the Wi-Fi network and set the Mode to AP

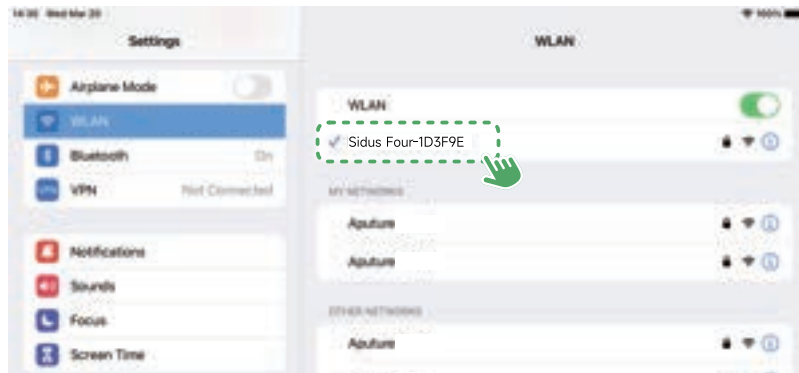


Set the SSID (Wireless network Wi-Fi name)

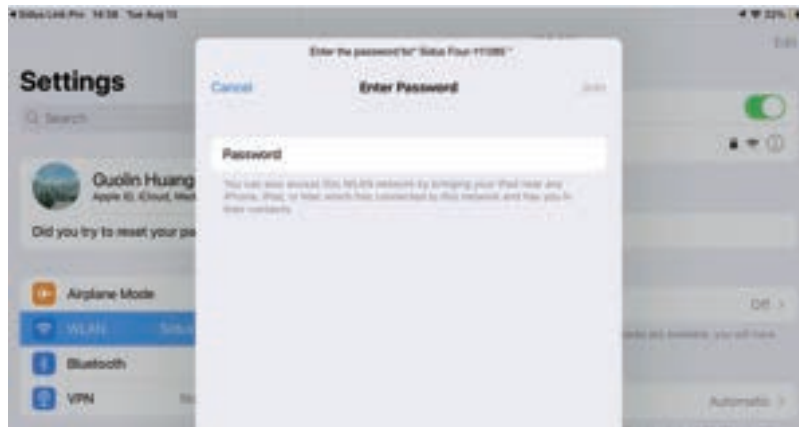


Set Wi-Fi password

2. Connect the iPad to Sidus Four's Wi-Fi Network and use the Sidus Link Pro App to patch and control fixtures.



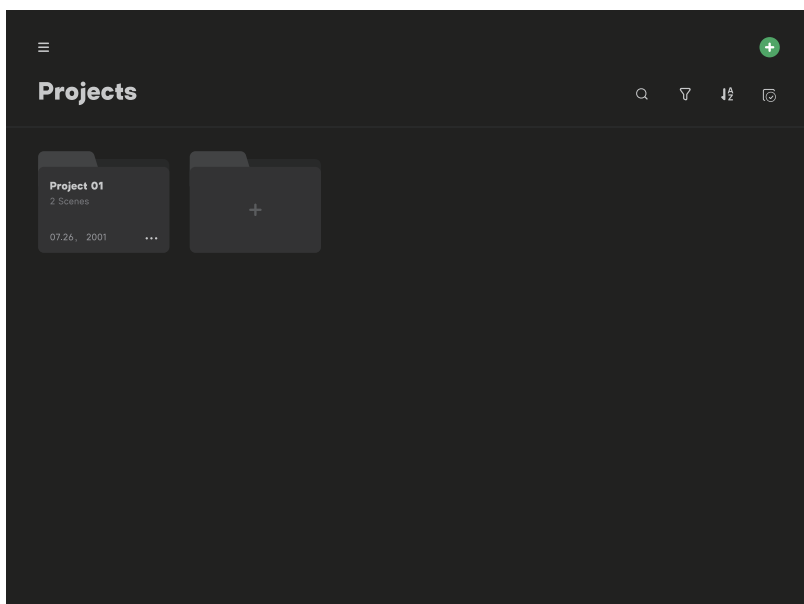
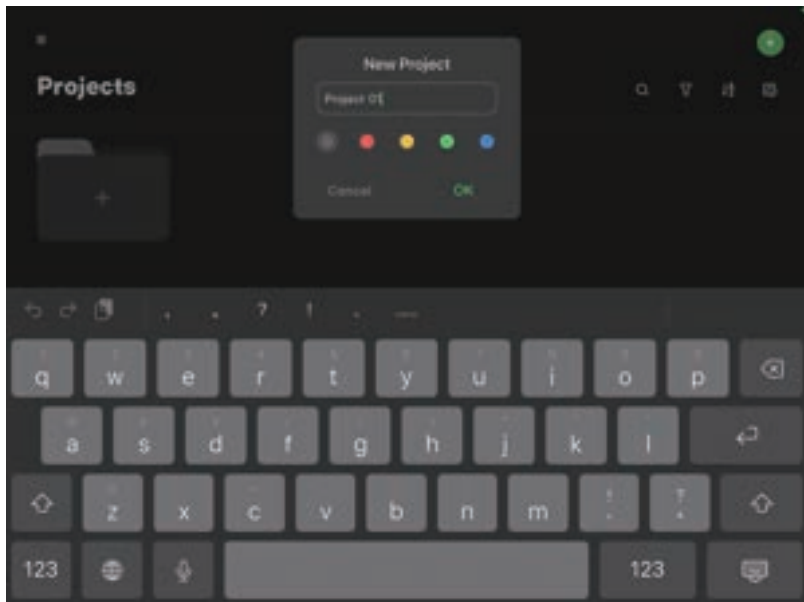
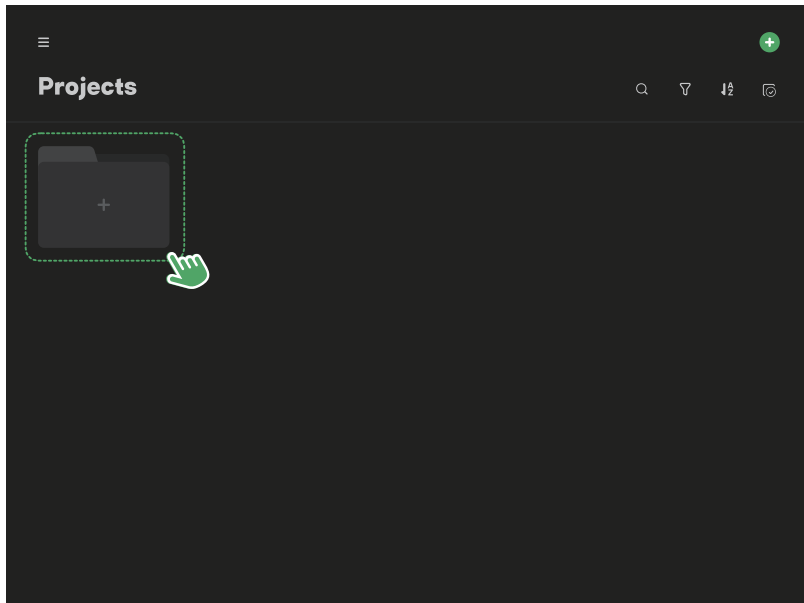
On the Control Device or iPad,
connect to the Sidus Four wireless network and enter the password.



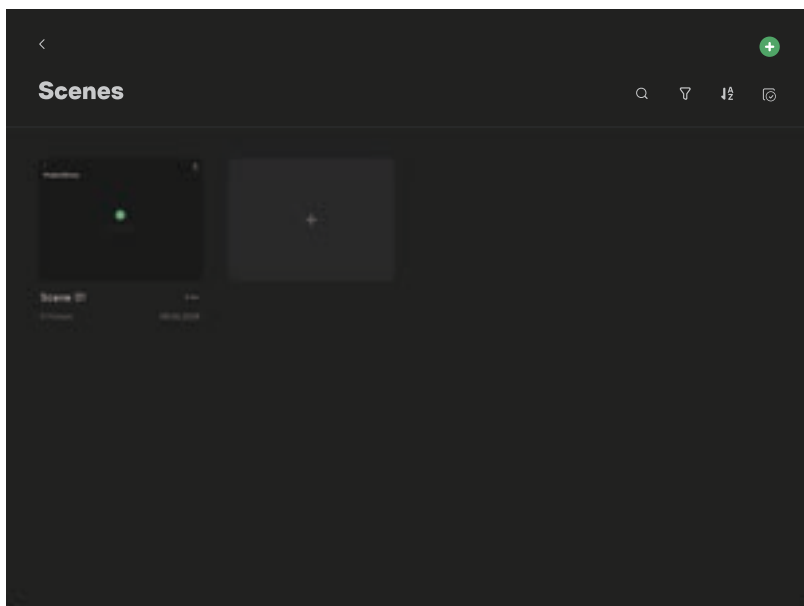
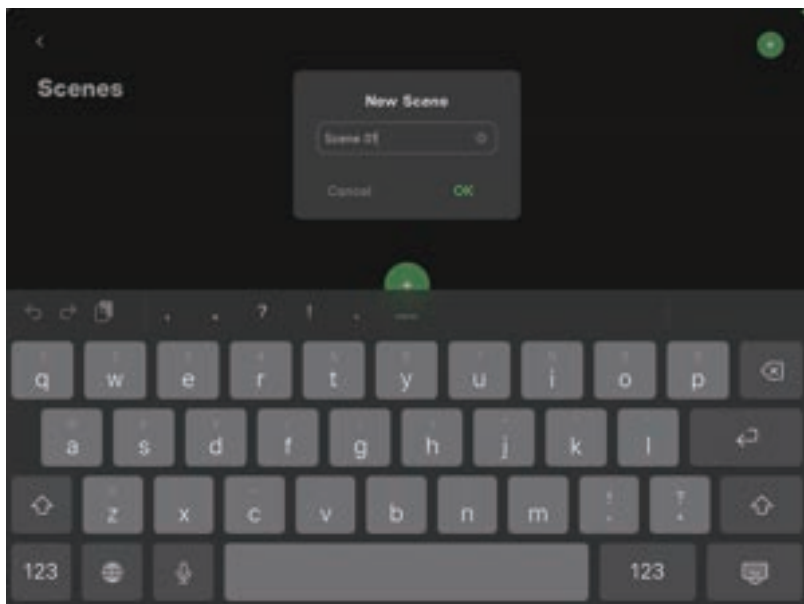
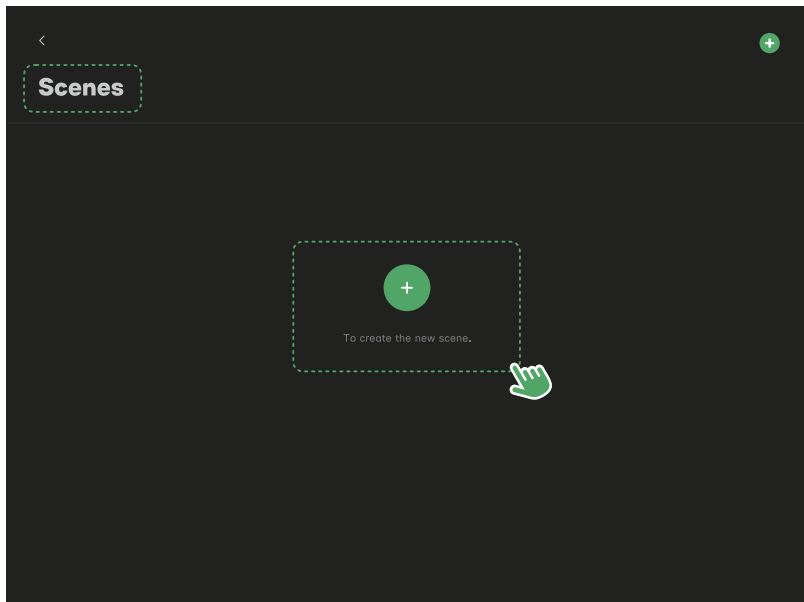
Sidus Four's
network name and password can be viewed and set on Sidus Four's Wi-Fi Settings page.



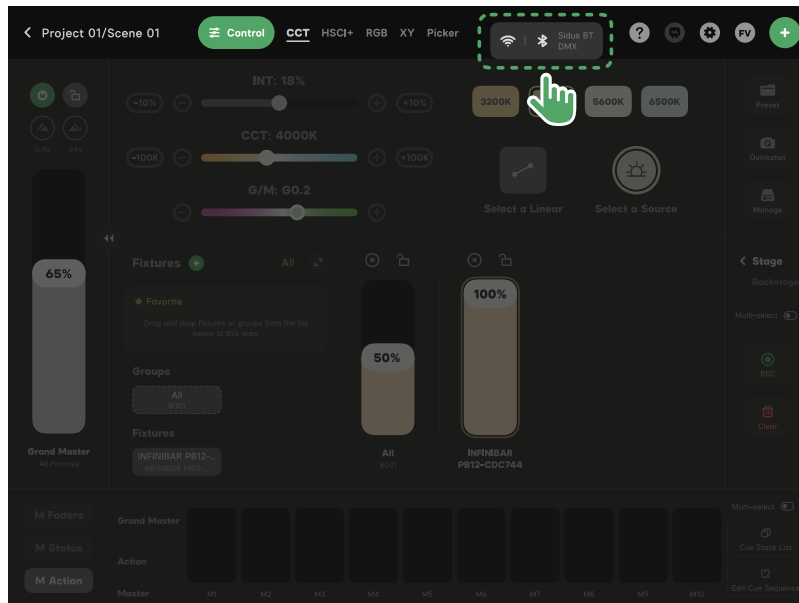
**** Open Sidus Link Pro App on an iPad.**



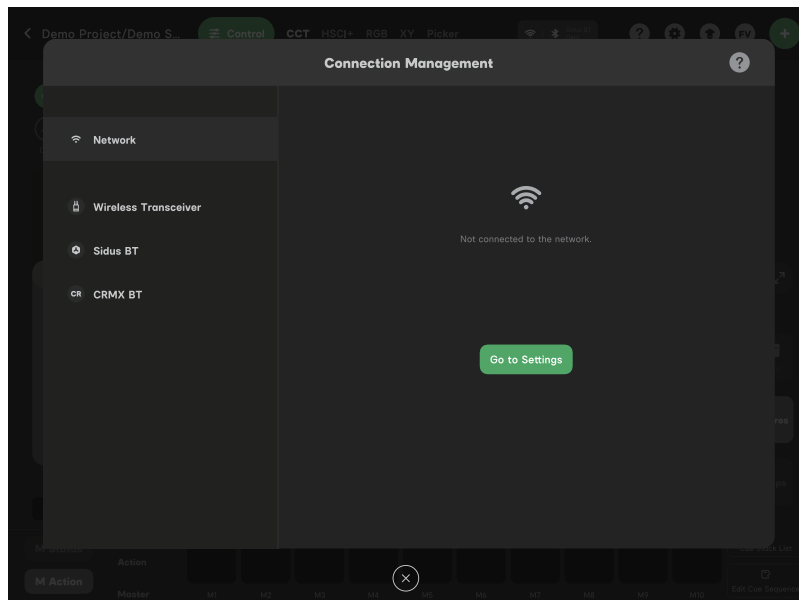
Create a Project.



Create a Scene and open it.

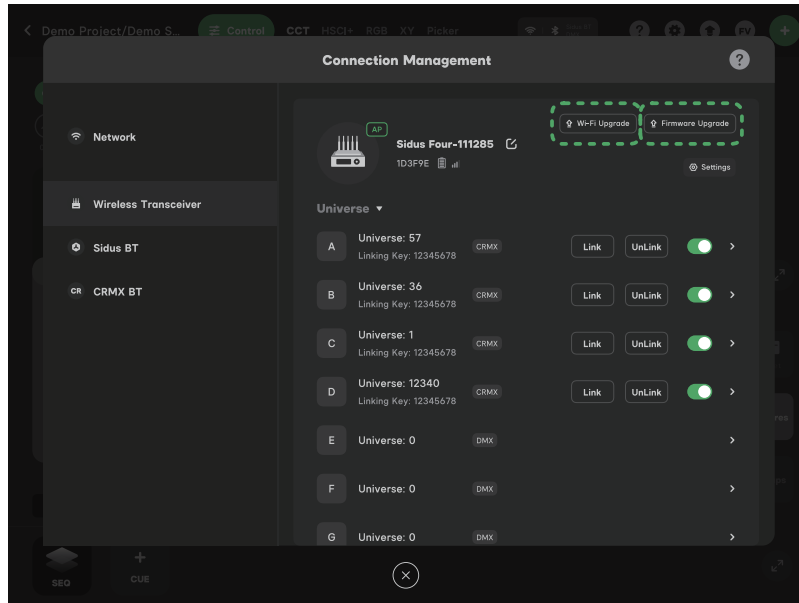


Open the Connection Management window to see the Sidus Four options.

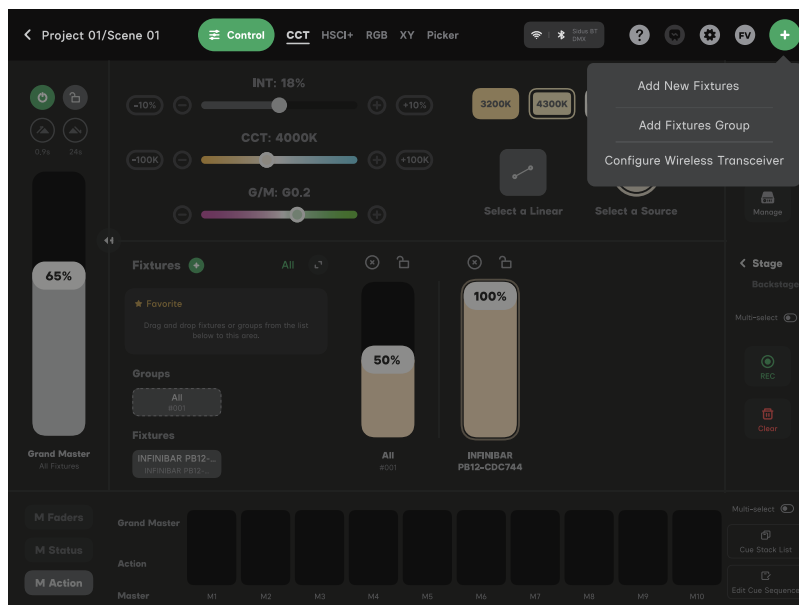


After connecting,

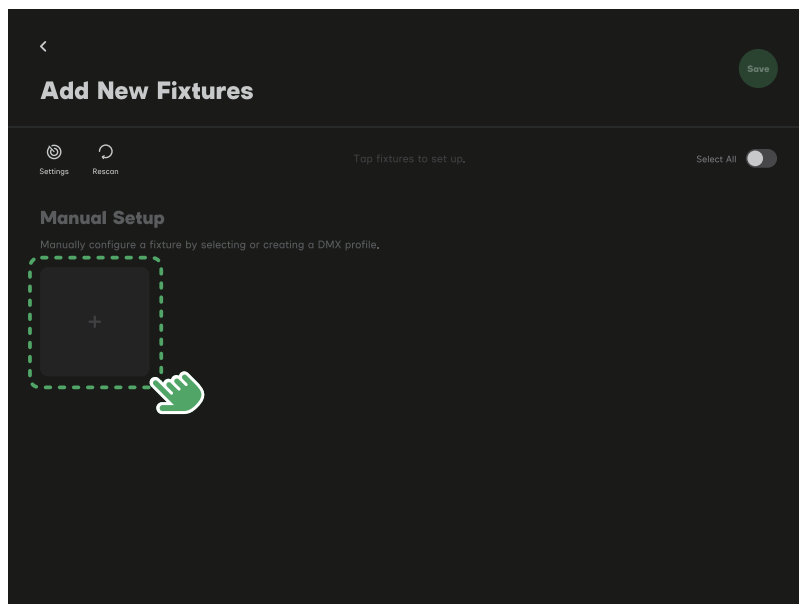
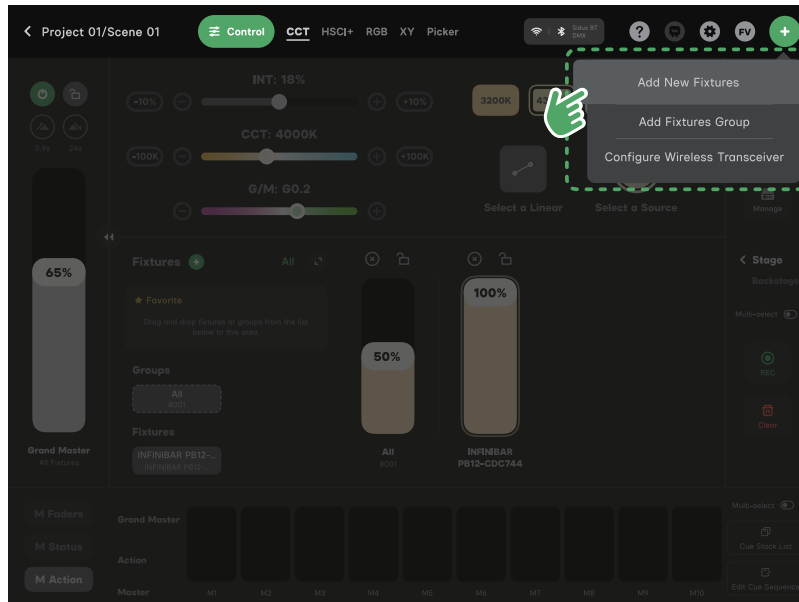
the SSID Wireless Network name and IP address in the Sidus Link Pro App will be displayed



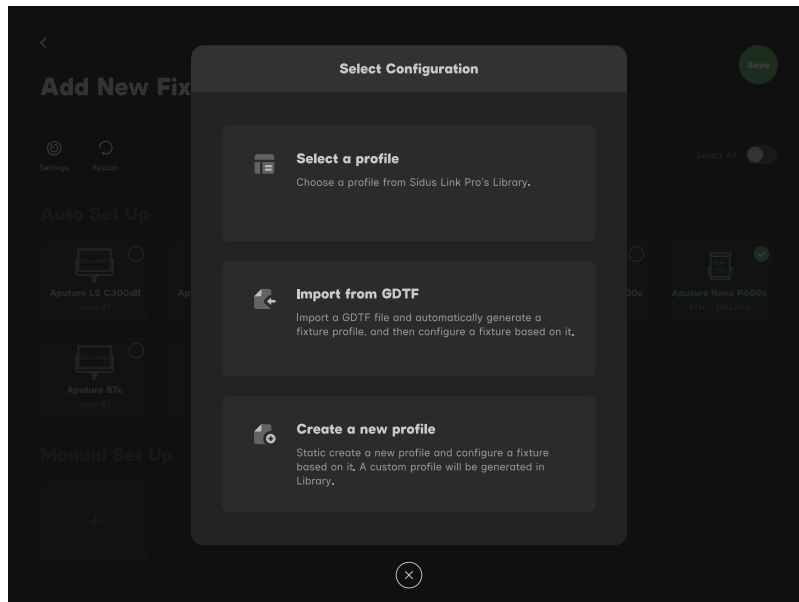
Click on Wireless Transceiver to enter Sidus Four's management interface to view and configure Sidus Four.



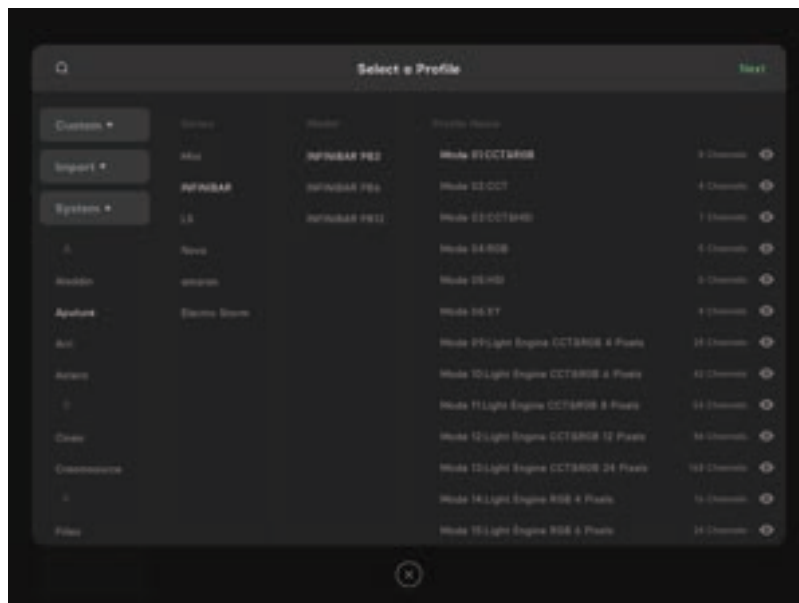
Close the connection management interface and click the top right corner to add a device.



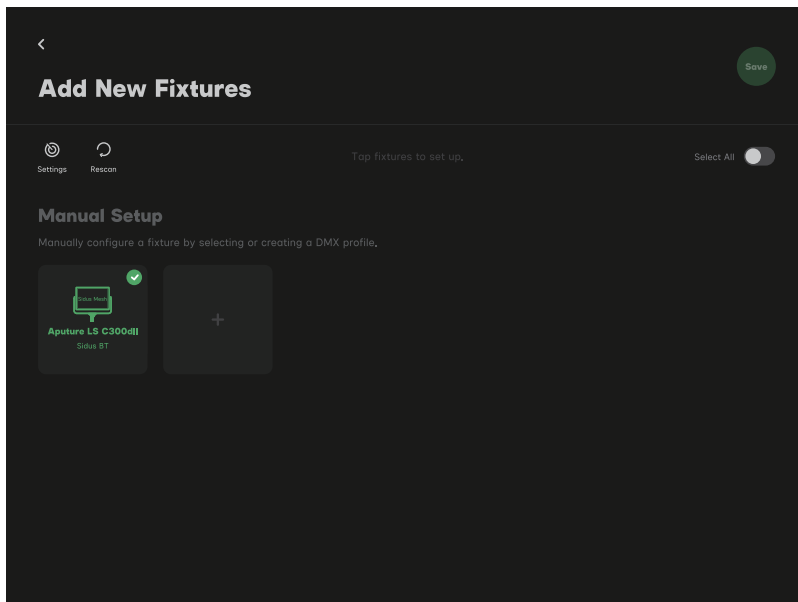
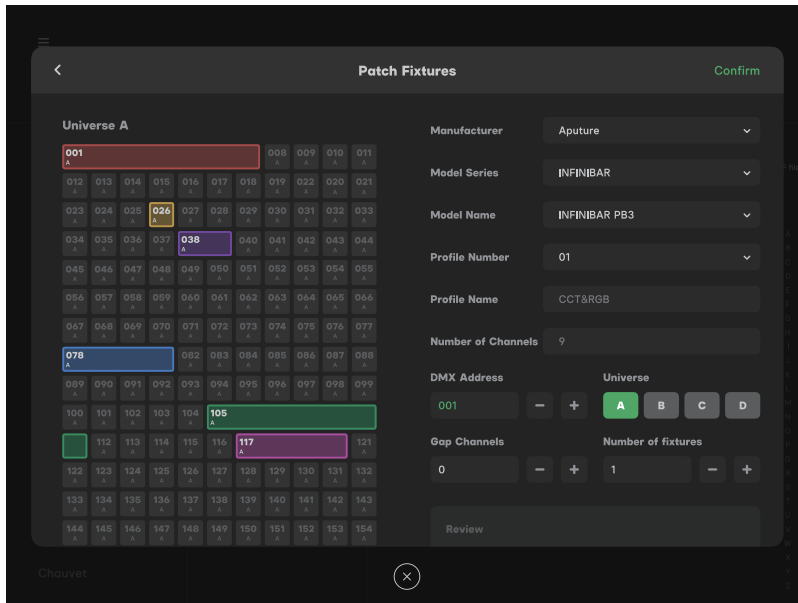
Select "Add New Fixtures" to manually add a device.



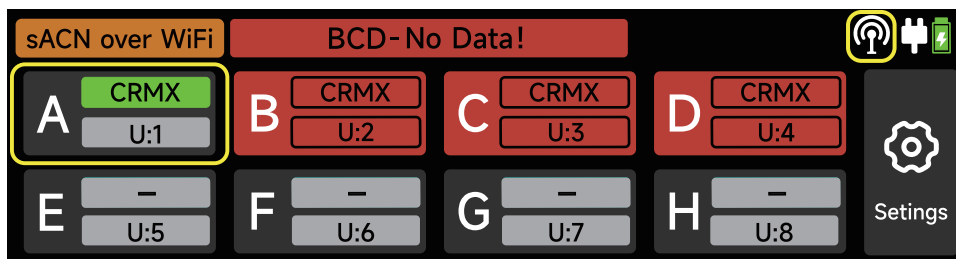
Sidus Link Pro offers DMX Profiles for configuration, choose to import a GDTF file or create a new profile.



Select the fixture Brand, Product Series and Model, and then choose the DMX Profile to patch and select “Next”



Check the configuration information. Choose the DMX Universe/
Output Port to use. Then click “Confirm” and “Save” on the “Add New Fixtures” page.

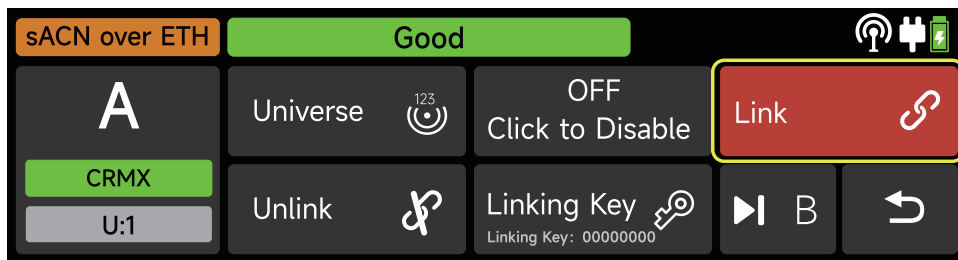
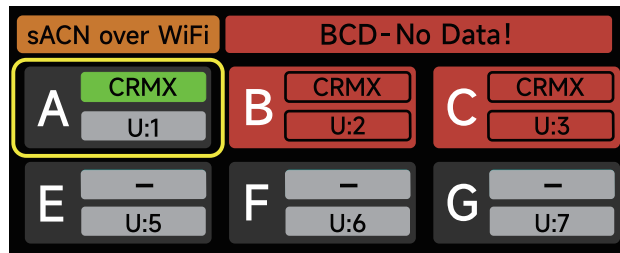


After completion of the previous steps, the Wi-Fi icon turn will white and Output Port A (pictured here set to Universe 1) turn green on Sidus Four's Main Display, indicating that the wireless connection is good and data is present on the Universe Port “A” is listening to.

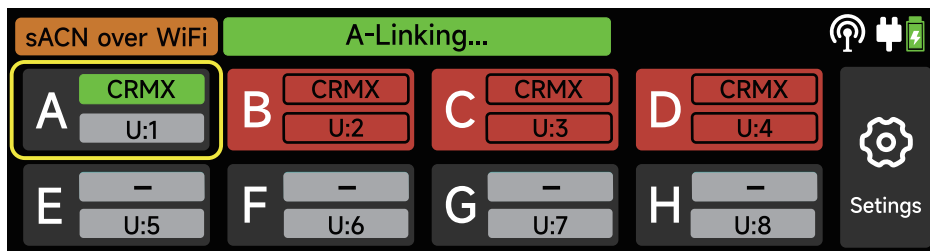
3. Connecting fixtures via CRMX

Turn on the CRMX function in the fixture's CRMX settings

If the fixture was previously linked to another transmitter, unlink the fixture.

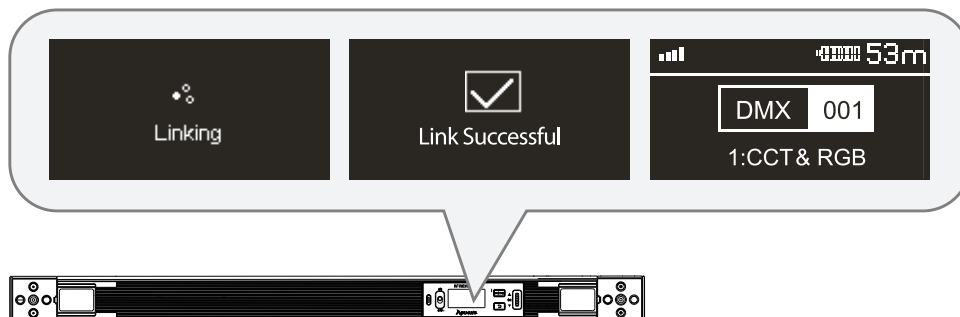


Click "Link" in Output Port A to initiate the CRMX Linking Signal for that port.



After initiating the Link Signal,

it will display "A-Linking..." in the status bar on the Main Display.



During linking, the fixture display should show the connection status, and upon completion, it will switch to the DMX status screen

This completes the connection between the app, Sidus Four, and the fixtures. You can use the app to control the fixtures afterward.

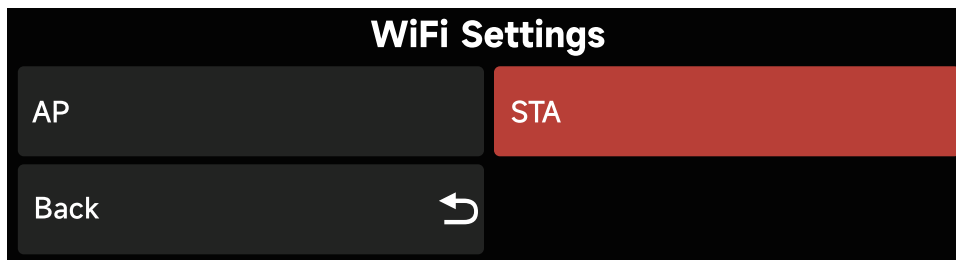
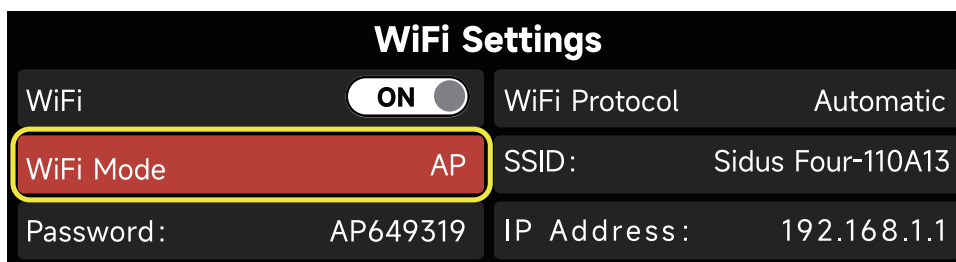
4. Connecting Sidus Four via Wireless Router

The Wireless Router acts as the Wireless Access Point (AP node) in the network, with the Sidus Link Pro and Sidus Four (as a Workstation-STA) connecting to the Router's Wi-Fi network.

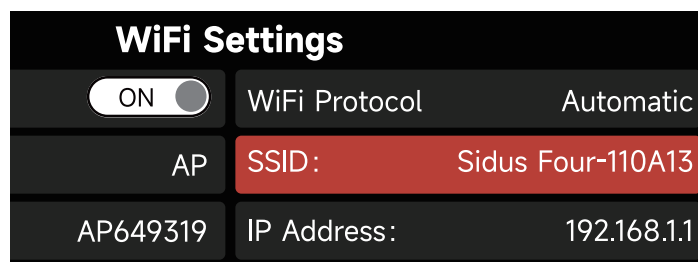
① Set up the Wireless Router's Network:

- Configure the SSID (Wi-Fi Network Name) and Password on the router.
- Since many devices utilize the 2.4GHz spectrum, it is recommended that the Wireless Router utilizes the 5GHz spectrum to help avoid wireless signal interference.

② Connect Sidus Four to the Wireless Router's Wi-Fi network:



Turn on Wi-Fi on Sidus Four and set Wi-Fi mode to STA.

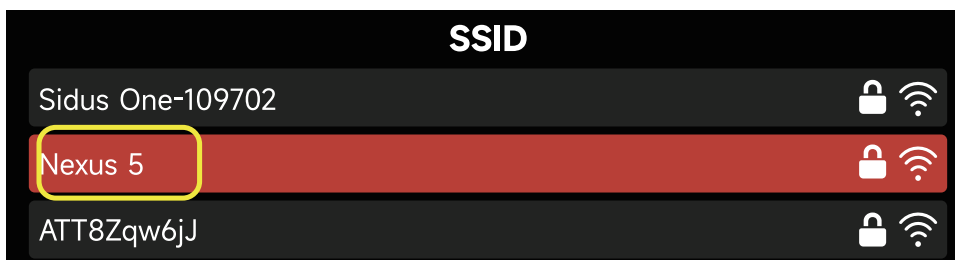


Click "SSID" to search for Wi-Fi networks.

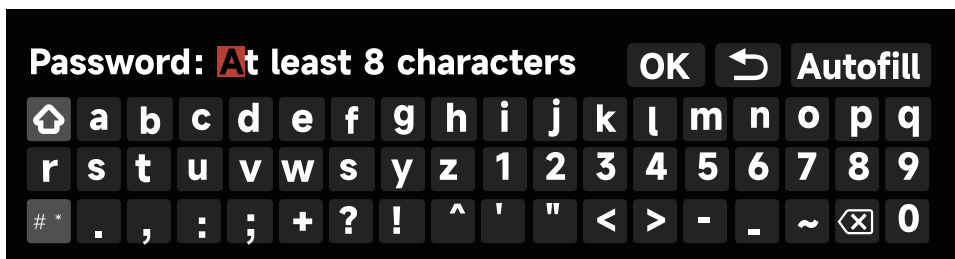


Searching for nearby Wi-Fi networks.

The search results will display nearby Wi-Fi networks; if no Wi-Fi is found, refresh to search again.



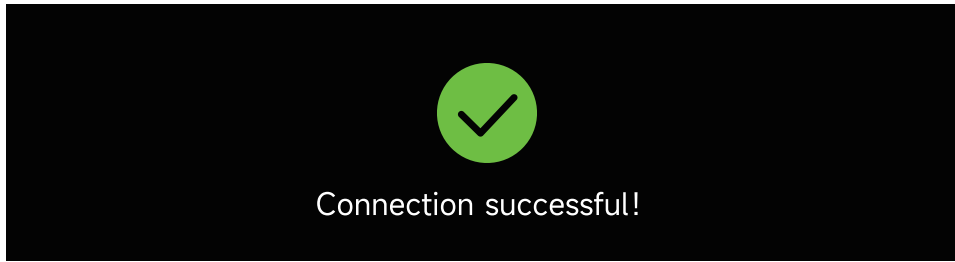
Select the desired 5G network.



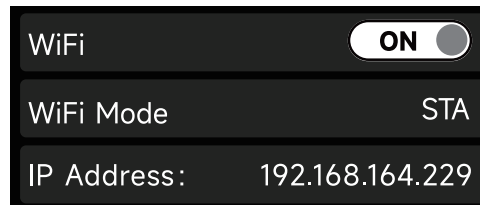
Enter the Wi-Fi password and click "OK" to connect.



Wait for the connection to complete



Connection successful

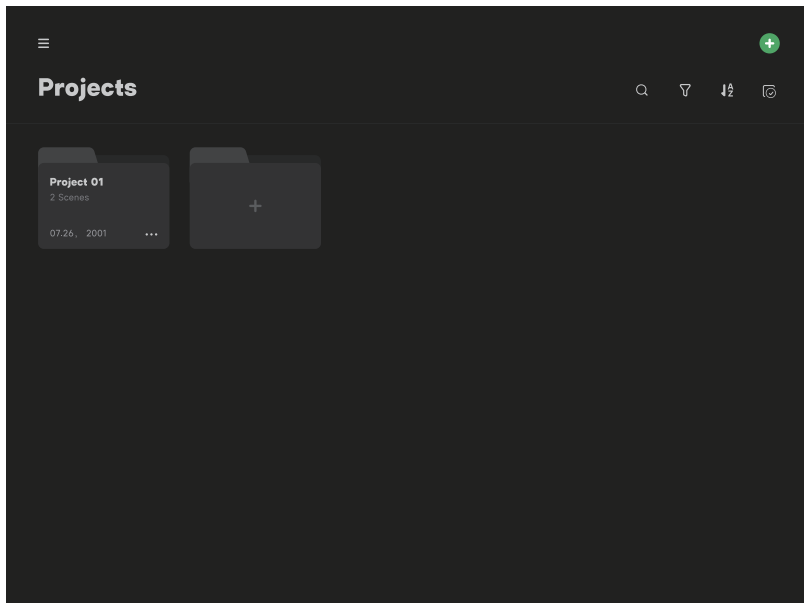
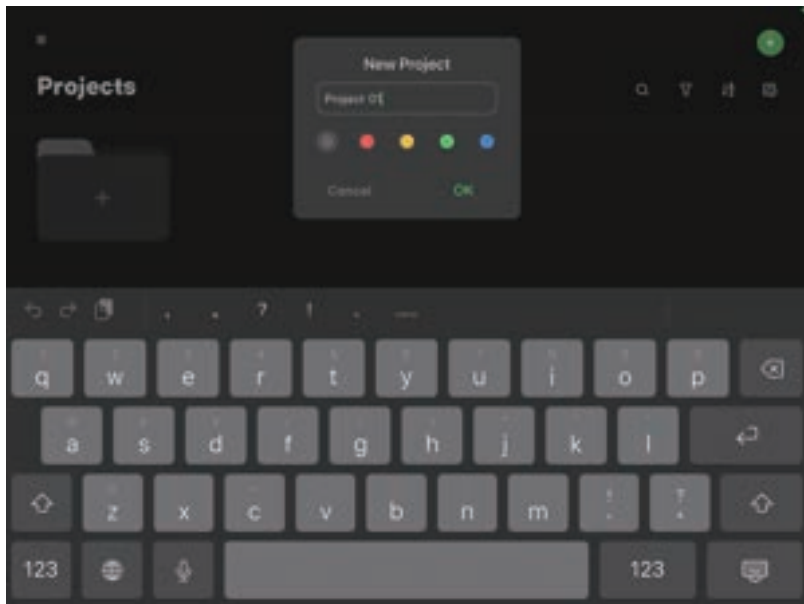
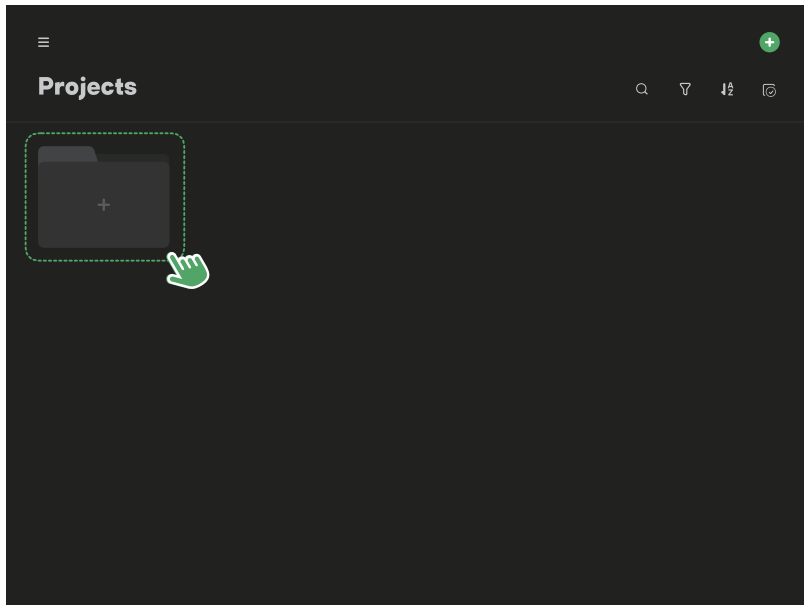


If your Wireless Router is acting as the DHCP Server, or if there is a connected DHCP Server in your network, after a few seconds, the IP Address assigned by the (DHCP Server) Wireless Router will be displayed on Sidus Four.

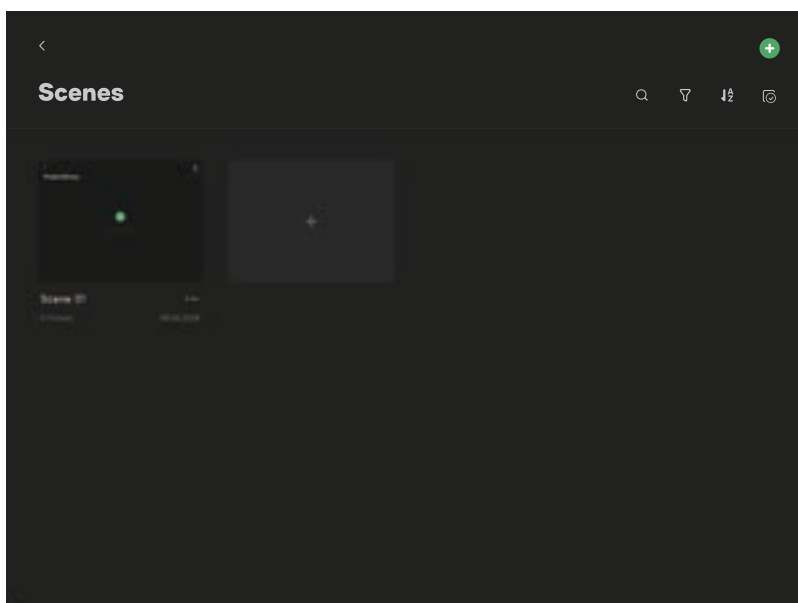
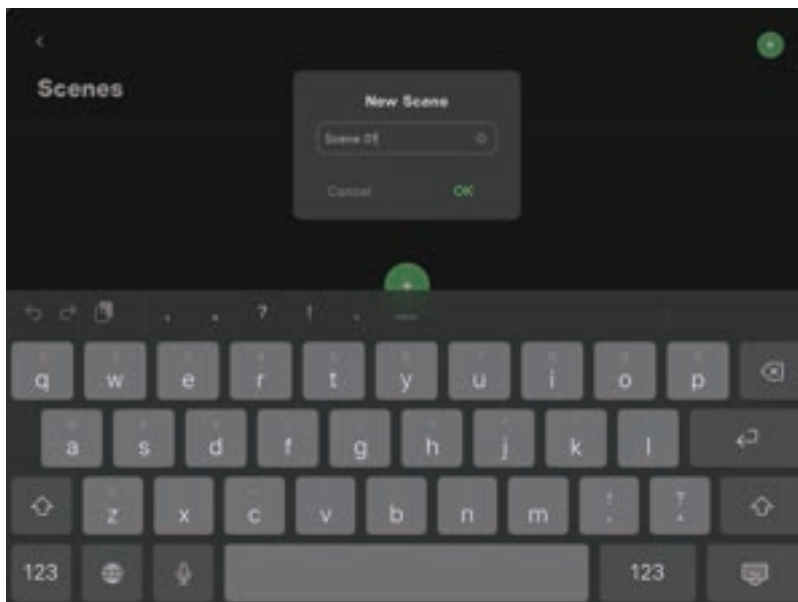
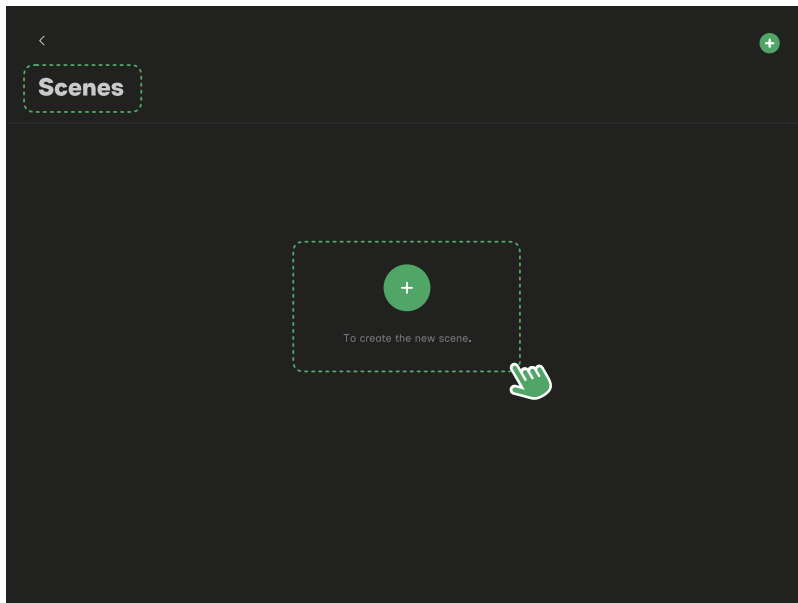
③ Connect the iPad to the Wireless Router's Wi-Fi network and use the Sidus Link Pro App to manage and control the fixtures.



Open Sidus Link Pro App on an iPad.



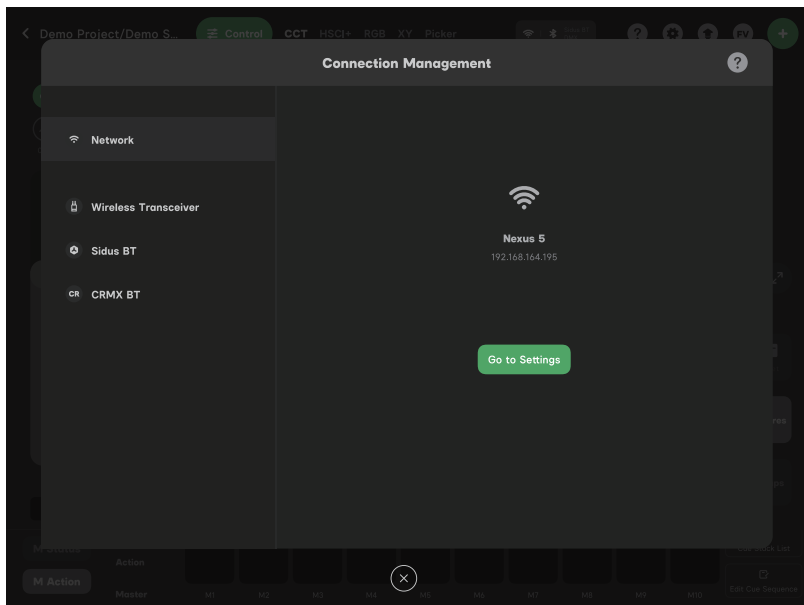
Create a Project.



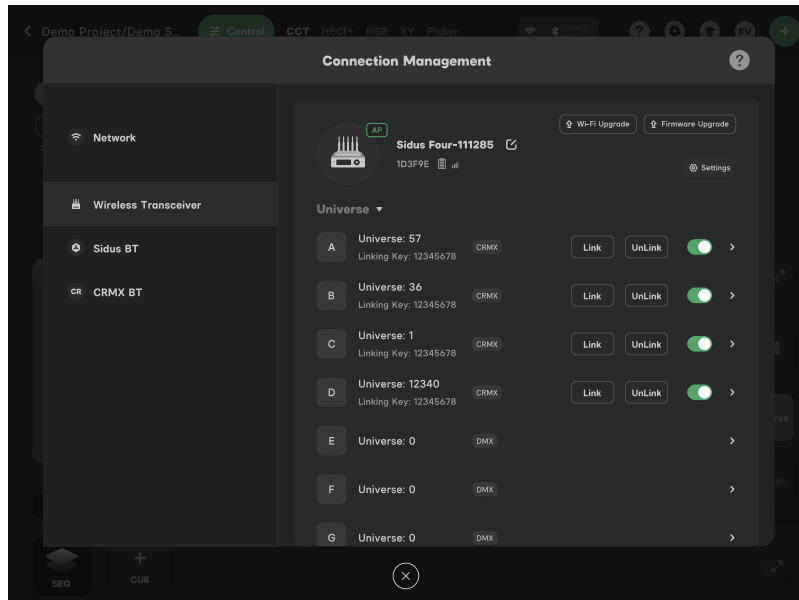
Create a Scene and open it.



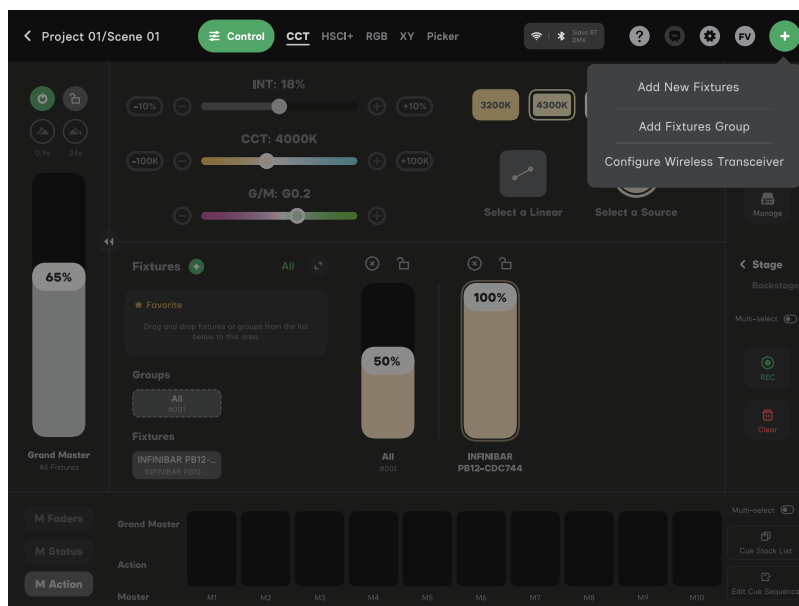
Find the Wireless Router Network that Sidus Four is a Workstation for; enter the Wireless Router's password to connect.



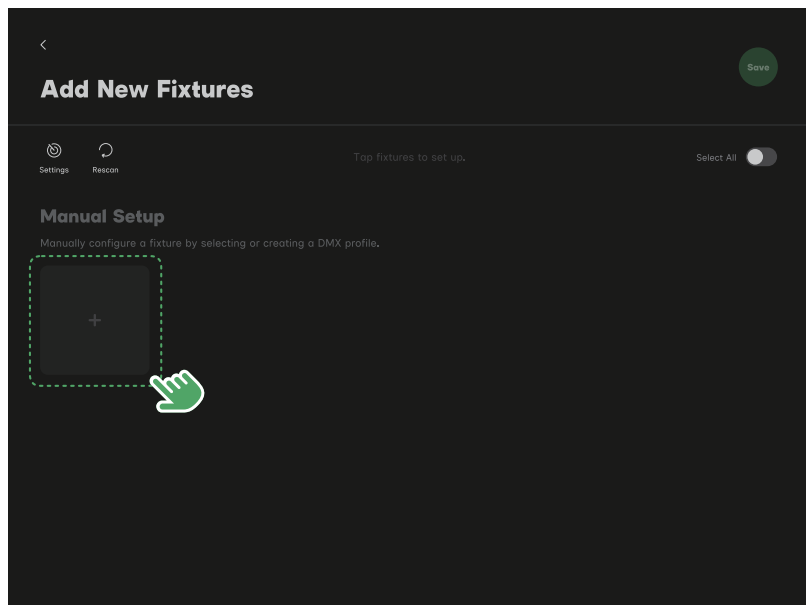
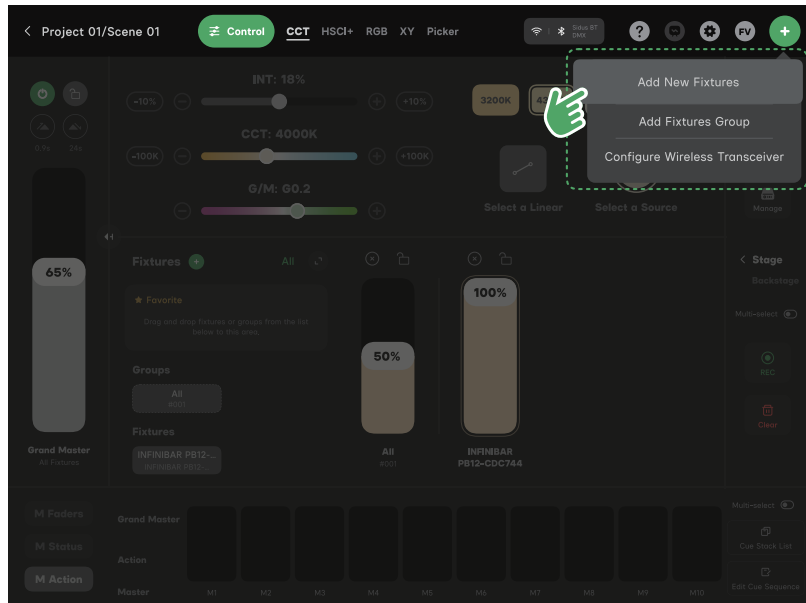
After connecting to the Wireless Router, the SSID Wireless Network name and IP address will be displayed in the Sidus Link Pro App.



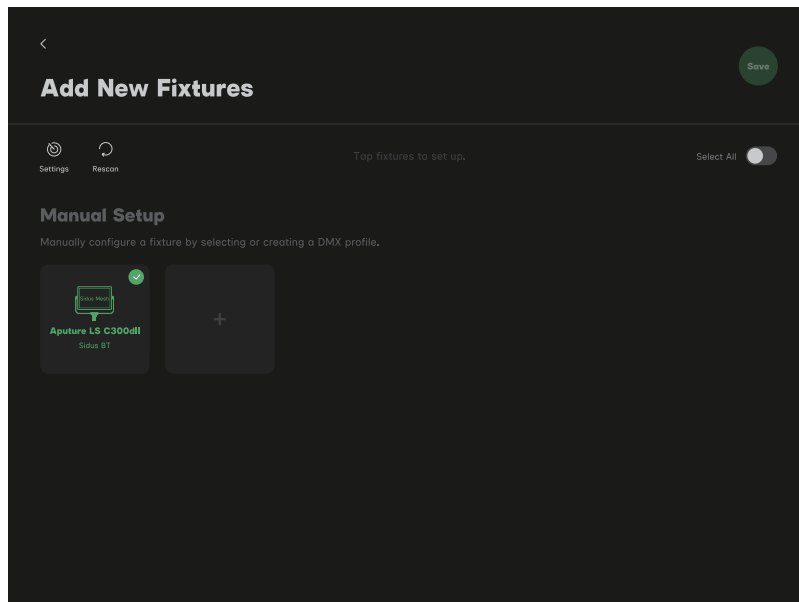
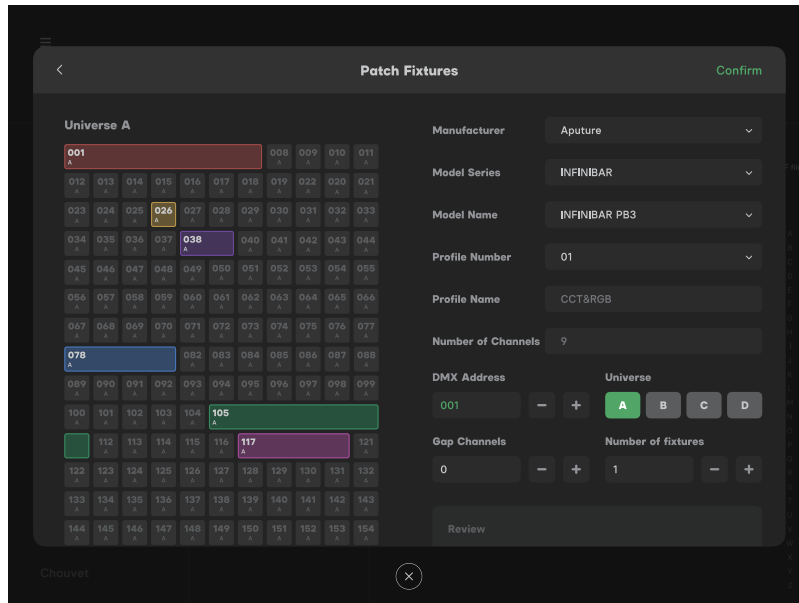
Click on Wireless Transceiver to enter Sidus Four's management interface, where you can view and configure Sidus Four.



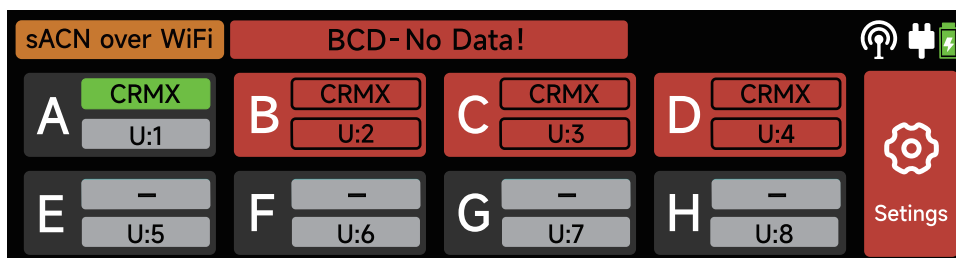
Close the Connection Management interface and click the top right corner to add a device.



Select "Add New Fixtures" to manually add a device.



Check the configuration information. Choose the DMX Universe/ Output Port to use. Then click “Confirm” and “Save” on the “Add New Fixtures” page.

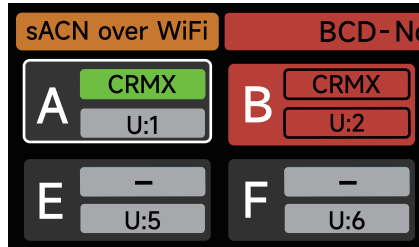


After completion of the previous steps, the Wi-Fi icon turns white and Output Port A (pictured here set to Universe 1) turn green on Sidus Four's Main Display, indicating that the wireless connection is good and data is present on the Universe Port “A” is listening to.

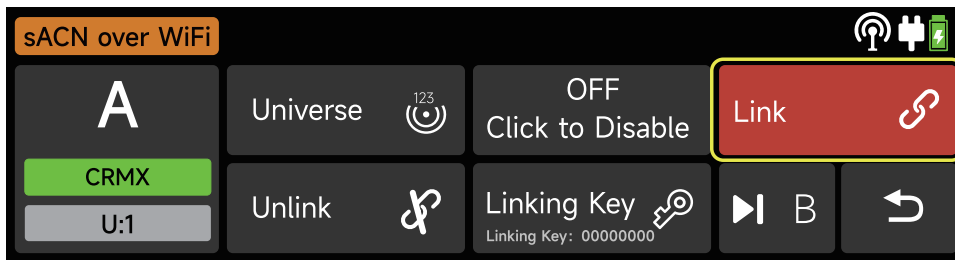
④ Connecting fixtures via CRMX

Turn on the CRMX function in the fixture's CRMX settings. If the fixture was previously linked to another transmitter, unlink the fixture.

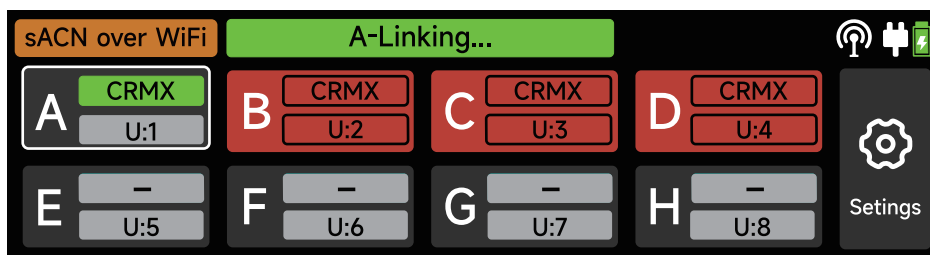
If the fixture was previously linked to another transmitter, unlink the fixture. If the fixture was previously linked to another transmitter, unlink the fixture.



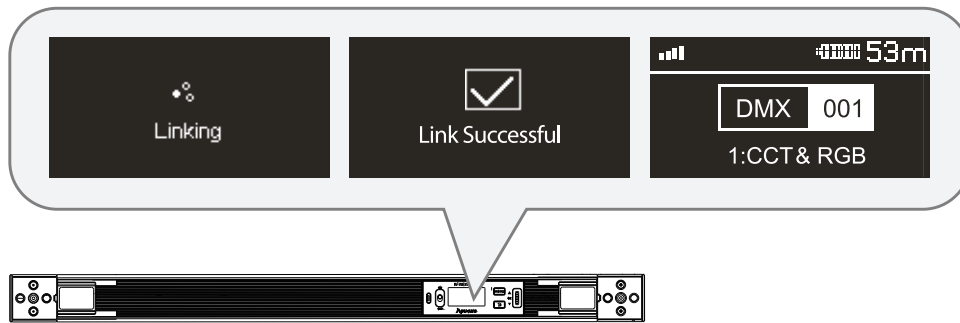
Open the Output Port's Settings by moving the cursor of the Main Display to the Output Port you wish to manage and pressing the Select Wheel.



Click "Link" in Output Port A to initiate the CRMX Linking Signal for that port.



After initiating the Link Signal, it will display "A-Linking..." in the status bar on the Main Display.



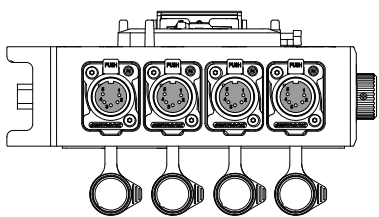
During linking, the fixture display should show the connection status, and upon completion, it will switch to the DMX status screen

This completes the connection between the app, Sidus Four, and the fixtures. You can use the app to control the fixtures afterward.

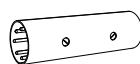
4.3. (4) Wired XLR 5-Pin DMX Inputs, (4) CRMX Outputs

A Sidus Four connected to the Control Device with wired DMX, then transmits the DMX signal out of its corresponding wireless output via CRMX.

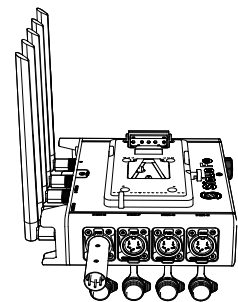
1. Sidus Four's E-H port supports DMX input or output. The DMX ports are XLR-5 Pin female. Included with Sidus Four, are (4) male to male DMX adapters (turnarounds). When E-H are used as DMX inputs, the male to male turnarounds may be required.



XLR 5-Pin DMX In/Out Ports (E-H)

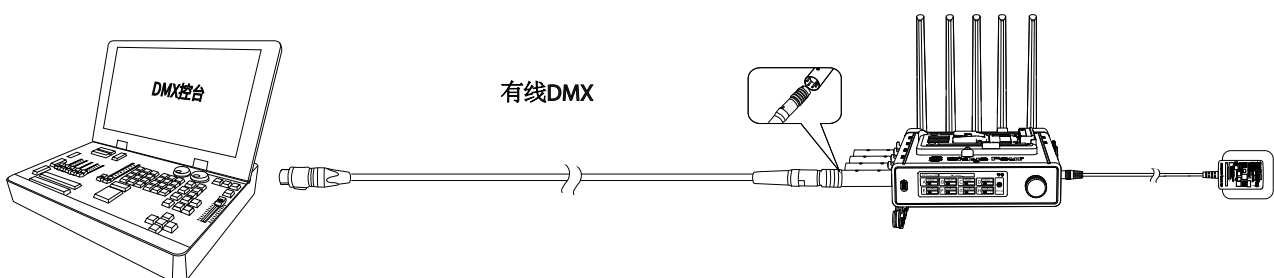


5-Pin XLR Male to 5-Pin XLR Male Adapter

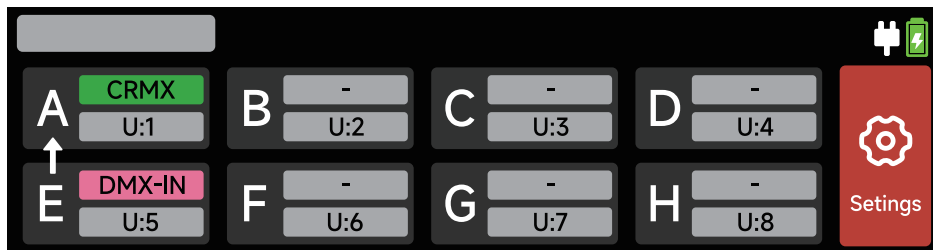


XLR-5Pin母座转换为公头

2. Connect the Sidus Four to the DMX Lighting Console with a cable DMX cable:



When there is a cable DMX connection, one cable corresponds to one universe. Each DMX port and CRMX port correspond one-to-one: E → A, F → B, G → C, H → D; there is no need to set the port universe on Sidus Four in this scenario except as a label for user reference. In the example below, when the Lighting Console sends DMX data into Port E, the Main Display shows Port E as “DMX-IN”, and an arrow from Port E points to Port A. Port A shows a green CRMX background indicating that data is present.

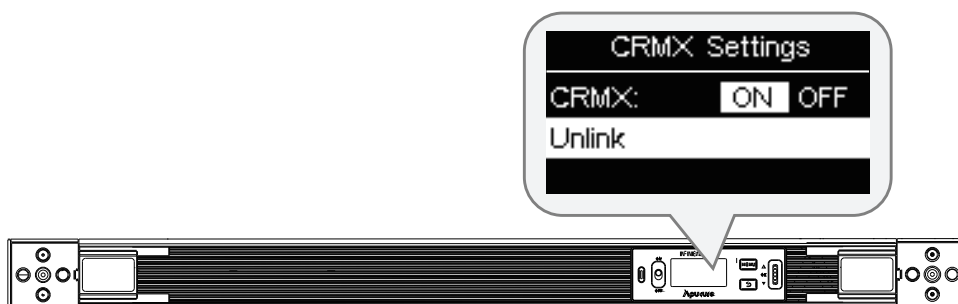


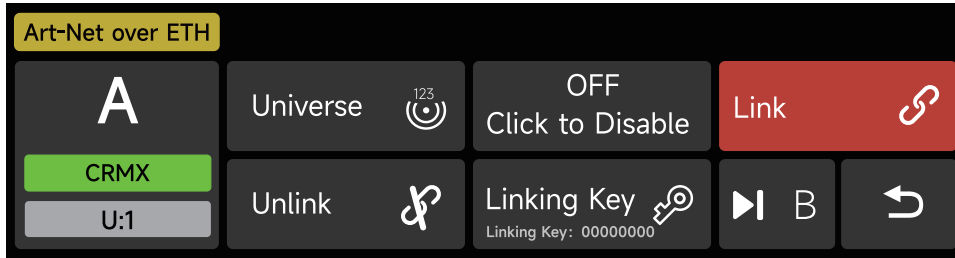
4.Connecting lamps:

Open the CRMX Settings on the lamp;

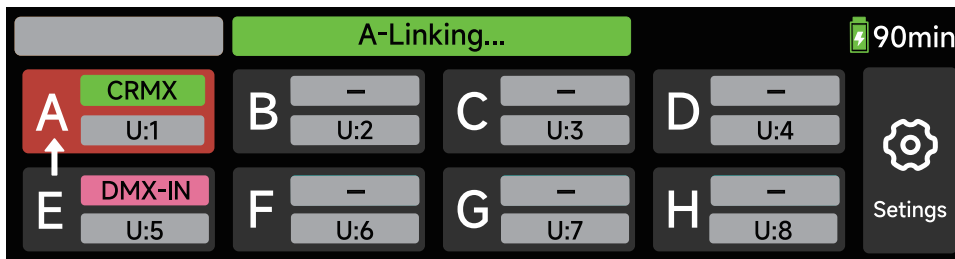


if the fixture has previously been connected to another CRMX transmitter, select "Unlink."





On the Sidus Four go to the settings screen for Port A (for example), and click "Link." While the Link Signal is being broadcast, the Sidus Four Output Status Bar will display: "A-Linking..."



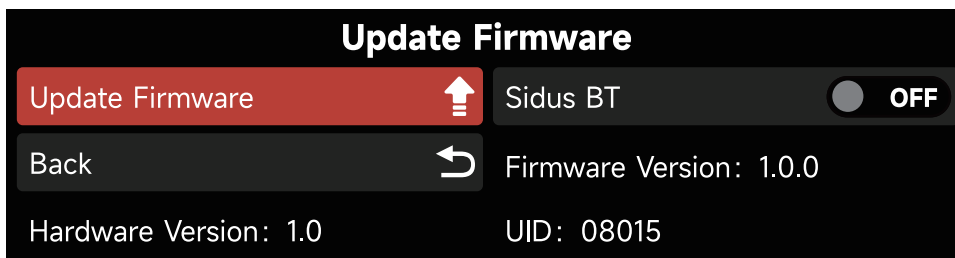
Attention Schemers: The green text on this graph should read: "A- Linking..."

This completes the wired DMX In to CRMX Out connection process between the Sidus Four and the fixture. The remaining ports can be connected in the same way.

4.4. (1) CRMX Bluetooth inputs, 1 CRMX output and 1 wired DMX outputs

Sidus Four CRMX BT IN supports 1 CRMX output and 1 wired DMX output.

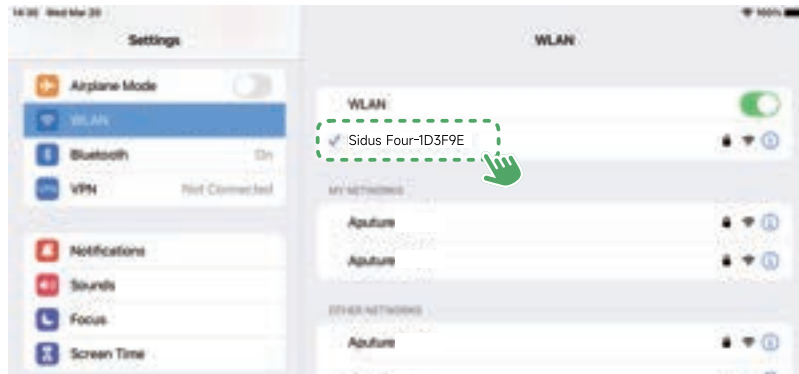
A. Connecting Sidus Four's CRMX Bluetooth with the Sidus Link Pro App to Manage and Control Fixtures



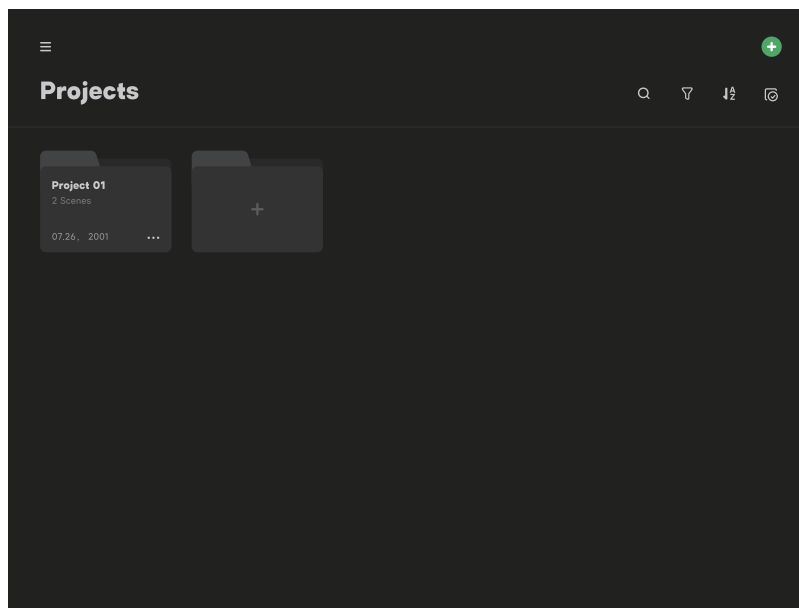
In the Main Settings, enter the Update Interface and ensure that Sidus BT is OFF.

B. Connect to the Wi-Fi network of Sidus Four and enter the password found in the WiFi Settings.

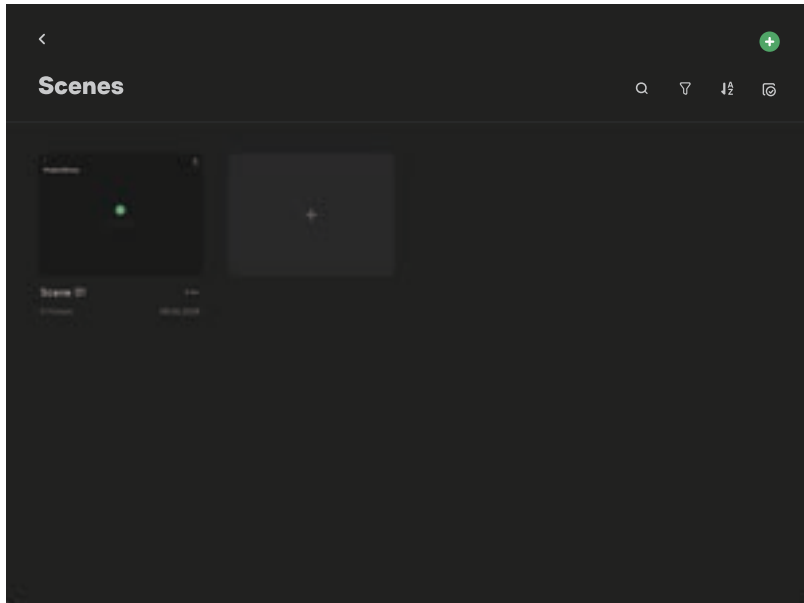
1. Open the Sidus Link Pro App on the iPad.



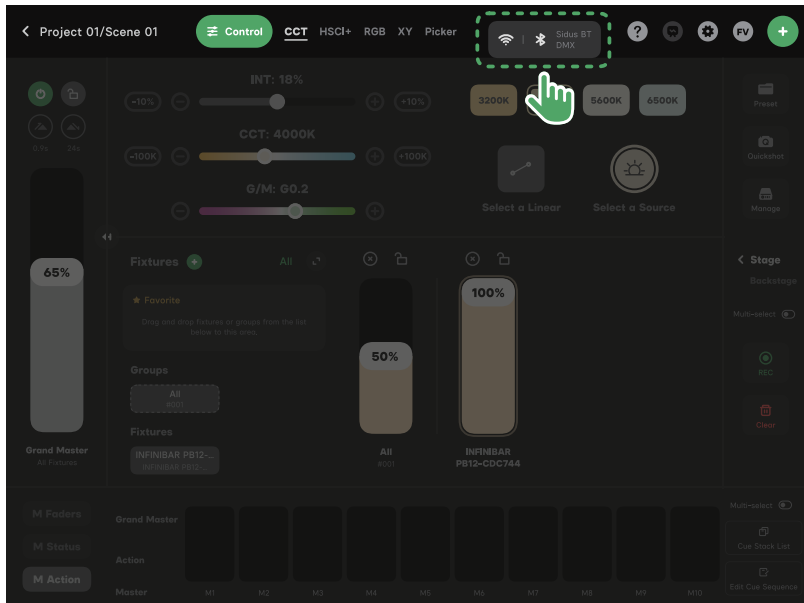
Open Sidus Link Pro App on the iPad.



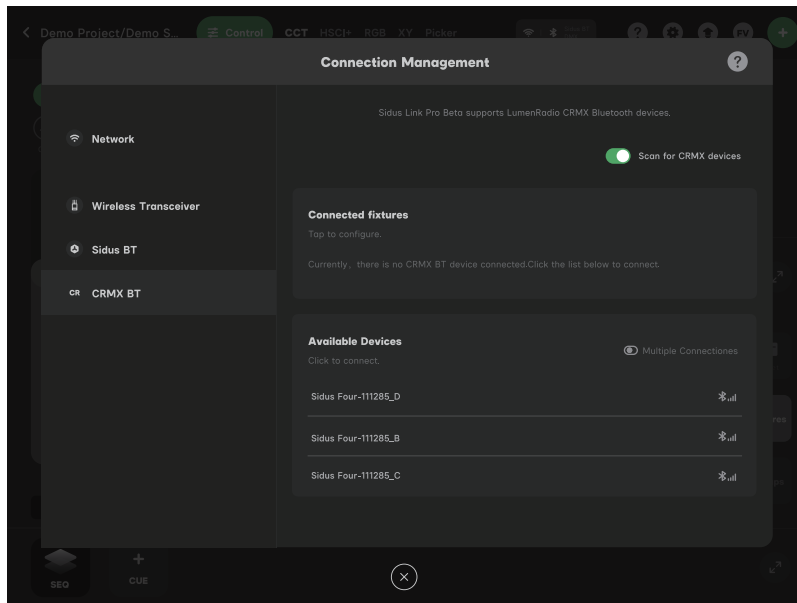
Create a Project.



Create a Scene.



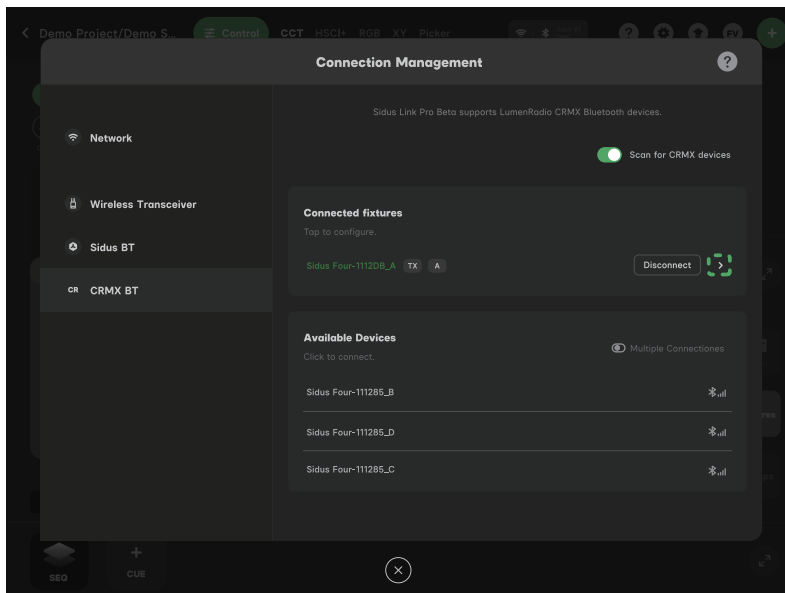
Open Connection Management



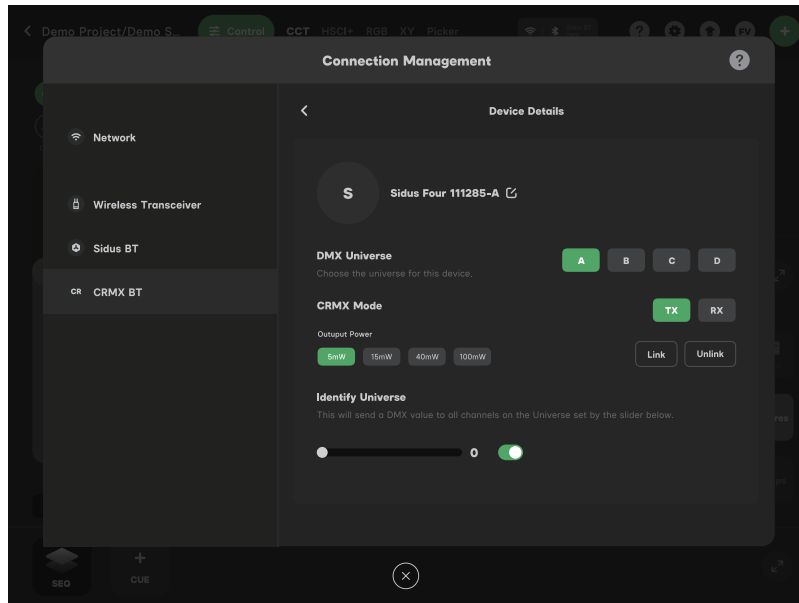
Open CRMX BT

View the default Wi-Fi name in the Wi-Fi settings interface of Sidus Four. The prefix of the 4 CRMX names of Sidus Four will be the same as the Wi-Fi name, differentiated by port numbers A-D (e.g., Sidus Four-1112DB_A).

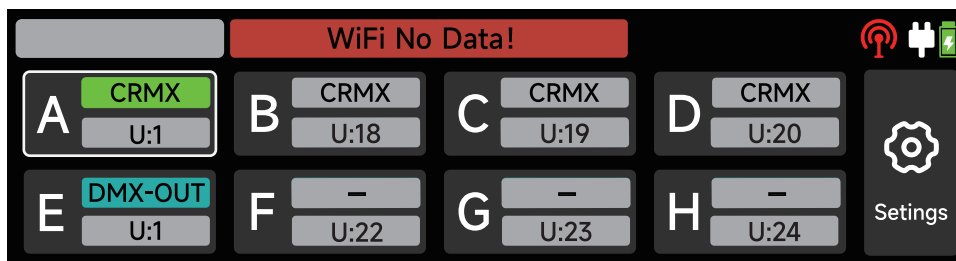
Connect to the corresponding Output Port and Name of the Sidus Four CRMX Bluetooth.



After connecting, click the right ">" to enter the settings.



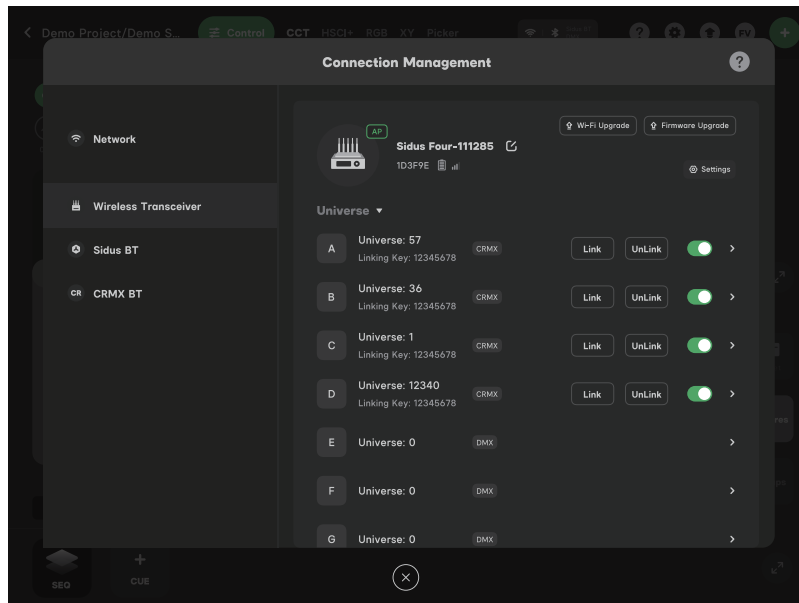
Set the CRMX Mode and the Output Port (DMX Universe) information–A, B, C, and D correspond to Universe 1, 2, 3, and 4, respectively if using Sidus Link Pro as the control device.



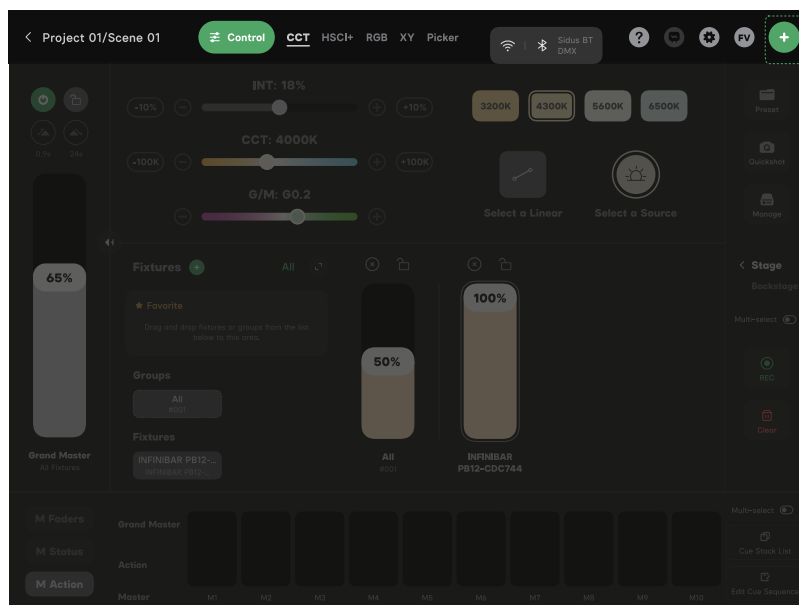
After the connection is completed, the chosen port is connected on the Main Display of Sidus Four.

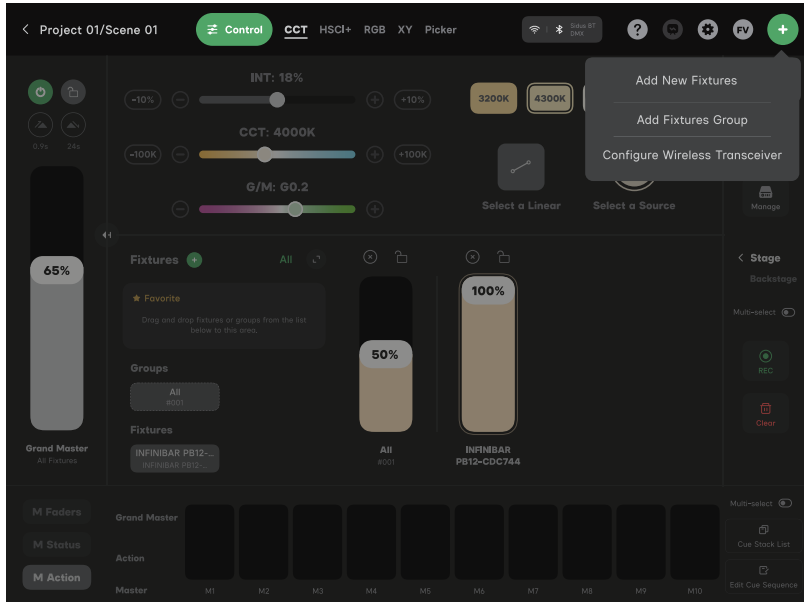
2. Connecting Fixtures via CRMX

Click on Wireless Transceiver to enter Sidus Four's management interface, where you can view and configure Sidus Four.

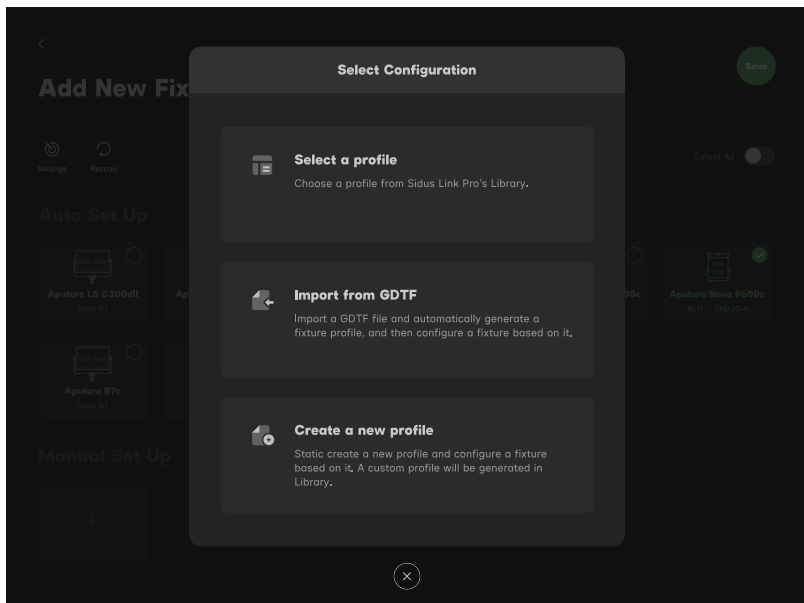
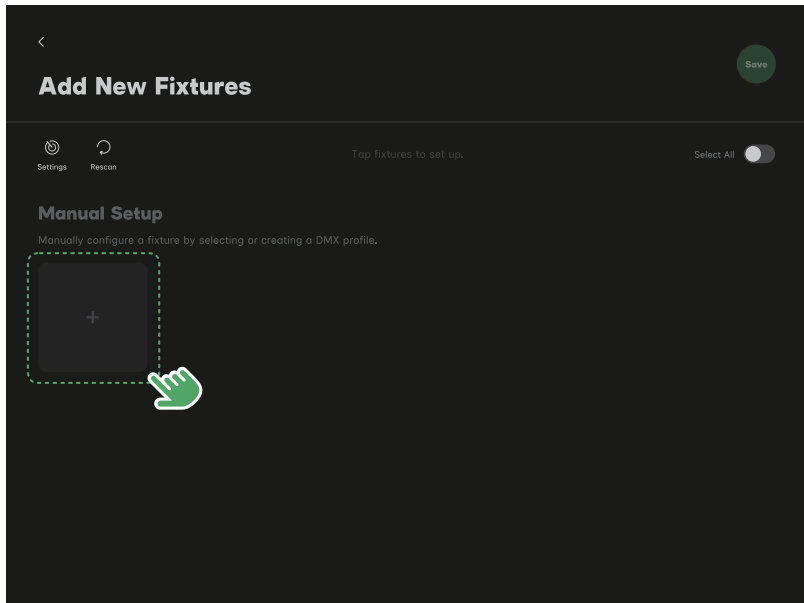


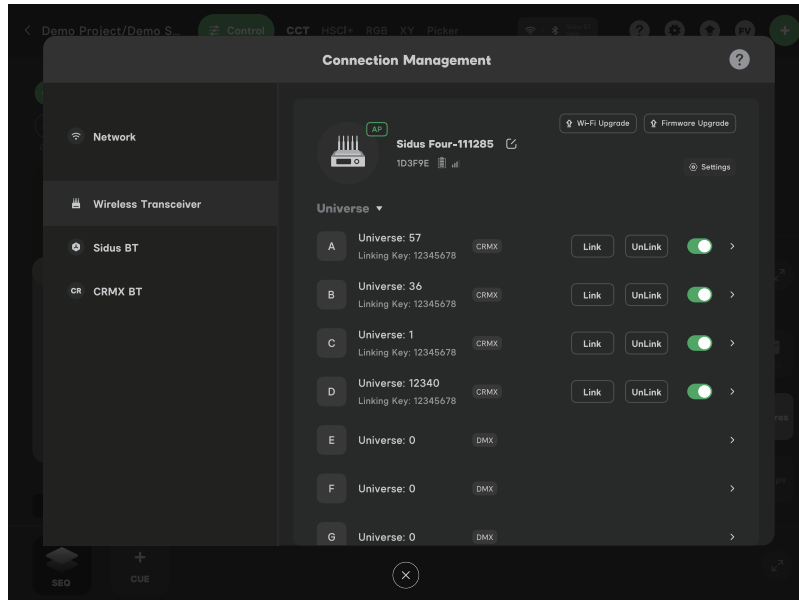
Close the connection management interface
and click the top right corner to add a device. (SEE above)



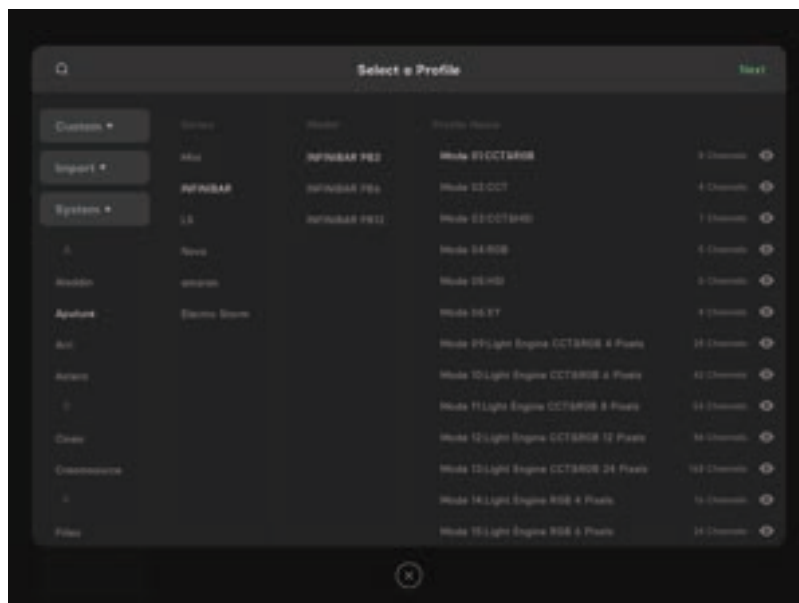


Select to manually add a device.

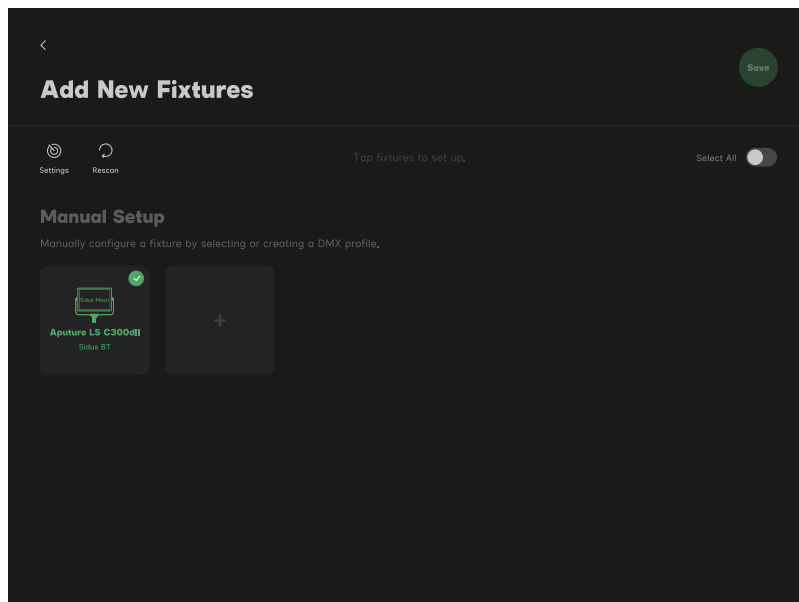
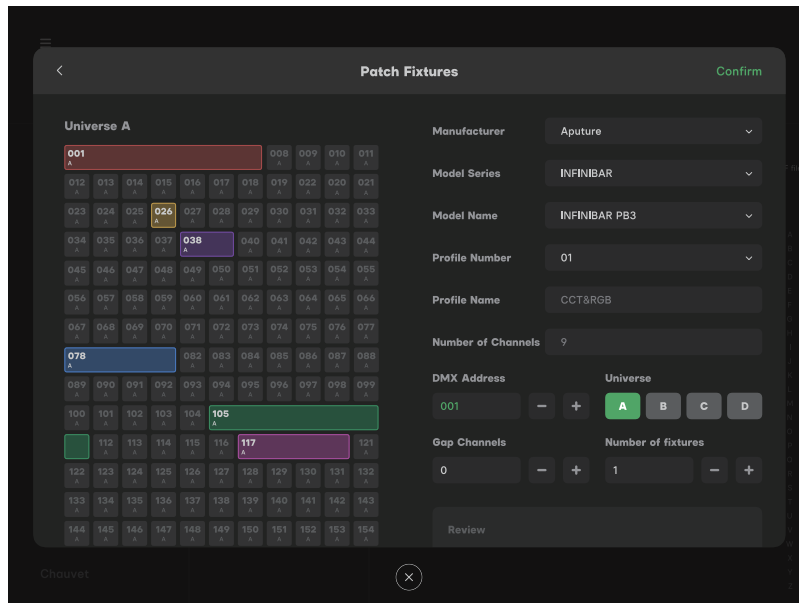




The app has adapted some fixtures' DMX Profiles for configuration; you can also choose to import a GDTF file or create a new profile.



Select the fixture brand under “System”, Series, Model, and choose the DMX Profile to use. Click “Next”.

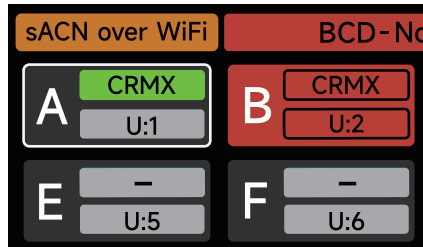


Check the configuration information, select the DMX Universe and DMX Address to use, then click “Confirm” and “Save”.

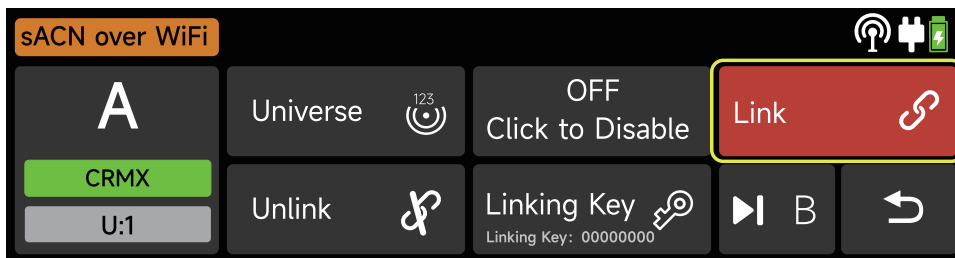
3. Connecting fixtures via CRMX

Turn on the CRMX function in the fixture's CRMX settings

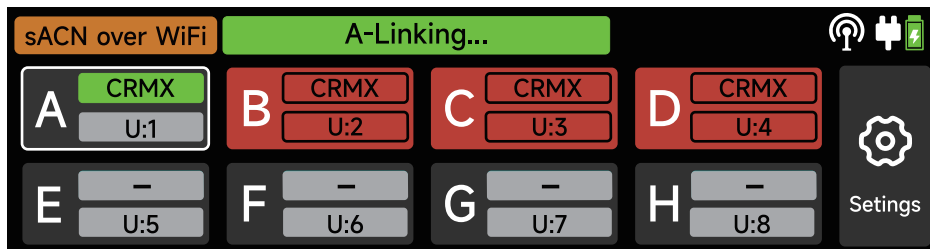
** If the fixture was previously linked to another transmitter, unlink the fixture.*



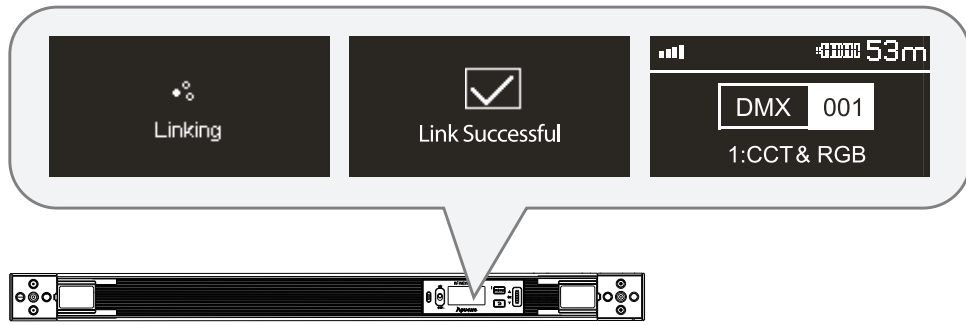
Open the Output Port's Settings by moving the cursor of the Main Display to the Output Port you wish to manage and pressing the Select Wheel.



Click "Link" in Output Port A to initiate the CRMX Linking Signal for that port.



After initiating the Link Signal,
it will display "A-Linking..." in the status bar on the Main Display.



During linking, the fixture display should show the connection status, and upon completion, it will switch to the DMX status screen

This completes the connection between the app, Sidus Four, and the fixtures. The App can then be used to control the fixtures afterward.

**Note: Since CRMX and Bluetooth both operate on the 2.4GHz band, interference may occur. Therefore, Sidus Four only supports connecting to one CRMX Bluetooth at a time. When using CRMX Bluetooth control, the other three CRMX ports must be disabled.*

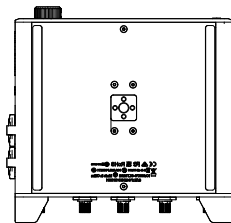
4.5. Large Scenario Application Case

Here I plan to place multiple Sidus Four combined scene diagrams without illustrating the connection, just to remind users that they can expand in this way.

5. Attaching Sidus Four to a Stand

The Sidus Four has a 3/8 " threaded mount on the bottom of the unit and a 3/8 " Anti Twist Screw Baby Pin Adapter is included.

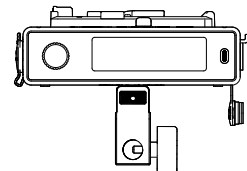
1. Screw the adapter into the bottom of the Sidus Four



Baby Receiver Adapter 3/8" Thread

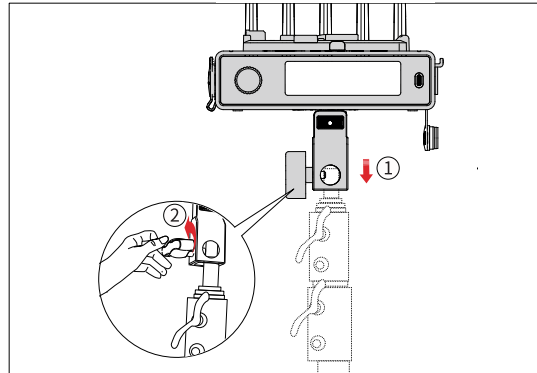


Baby Receiver Adapter with 3/8-16" Anti-Twist Screw

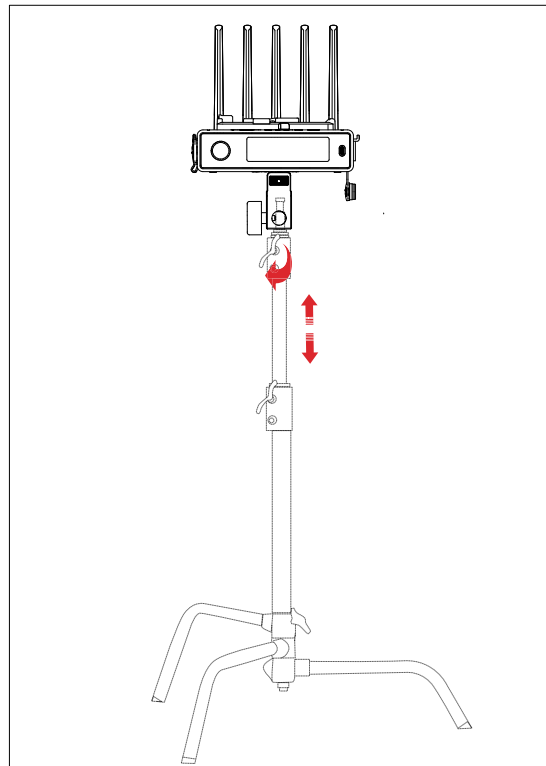


安装完成

2. Mount the Baby Pin Adapter to the stand and tighten the lock knob.



3. Raising Sidus Four above people and other obstructions can greatly improve wireless performance.



Product Specifications

Product Name	Sidus Four
Product Size	187*186*69mm (不含天线)
Product Weight	1.4Kg (不含天线)
Operating temperature	-20°C ~ 55°C
storage temperature	-40°C ~ 80°C
Protection level	IP65
Package Size	370*315*155mm
Product gross weight	4.56Kg

Technical Specifications

内容	描述
Compatible Protocol	CRMX, DMX, Art-Net, sACN, Sidus Mesh
100m Ethernet Interface	RJ45 x 2 Ports
Wi-Fi	Built-in 5GHz WiFi module
Wired Dmx Interface	XLR-5 Pin female socket x 4
	-40°C ~ 80°C
CRMX	Built-in TimoTwo module x4
Powered By	5.5mm DC interface: 9-24V
	V-mount battery: 12V-16.8V
	Built-in battery
Type-C Interface	Output: 5V/0.5A
	Product upgrade, batch upgrade of lighting fixtures
Sidus Mesh	Built-in Sidus BT
	Compatible with Sidus Mesh Mixing Control
Protection Level	IP65

内容	描述
Product Power Consumption	General: 6W
	Max: 17W
Shell/Installation	Black red, aluminum shell
	3/8" thread
Antenna Information	Frequency band: 2.4 to 2.49 GHz, 4.9 to 5.8GHz
	2.4G gain: 3.6 dBi maximum
	GHz gain: 5.1 dBi max
	Size: Φ 13.0mm \times 206mm
	Weight: 25g
	Interface: TNC
Temperature	Working temperature: -20°C - 55°C
	Storage temperature: -40°C - 80°C
Display	Type: TFT
	Display size: 95.04 x 23.35mm
	Resolution: 480*128
Transmission Distance*1	CRMX: \leq 800m
	Wi-Fi: \leq 800m
	Sidus BT: \leq 300 m transmit only
Working Frequency	Wi-Fi: AP mode 5GHz, STA mode 2.4GHz or 5GHz
	CRMX/Sidus BT: 2.4GHz
Battery Life	80 minutes
Battery Capacity	3.7V 1500mAh
Charging Time	0.5h
Upgrade Method	Sidus Link App
	Sidus Link Pro App
	USB
External Power Adapter	AC IN: 100-240V
	DC OUT: 9V/18W
	Length: 3M

Safety Instructions

When using this unit, basic safety precautions should always be followed, including the following:

Read and understand all instructions before using.

Please keep MT Pro away from diskette, credit cards, monitors, mechanical watches, mobile phones, medical devices (pacemakers), etc.

Close supervision is necessary when any fixture is used by or near children. Do not leave the fixture unattended while in use.

Care must be taken as burns can occur from touching hot surfaces.

Do not operate the fixture if a cord is damaged, or if the fixture has been dropped or damaged, until it has been examined by qualified service personnel.

Position any power cables such that they will not be tripped over, pulled, or put into contact with

If an extension cord is necessary, a cord with an amperage rating at least equal to that of the fixture should be used. Cords rated for less amperage than the fixture may overheat.

Always unplug the lighting fixture from the electrical outlet before cleaning and servicing, or when not in use. Never yank the cord to remove the plug from the outlet.

Let the lighting fixture cool completely before storing. Unplug the power cable from lighting fixture before storing and store the cable at assigned space of the carrying case.

To reduce the risk of electric shock, do not immerse this fixture in water or any other liquids.

To reduce the risk of fire or electric shock, do not disassemble this fixture. Contact cs@aputure.com or take the lighting fixture to qualified service personnel when service or repair is required. Incorrect reassembly may cause electric shock when the lighting fixture is in use.

The use of any accessory attachment not recommended by the manufacturer may increase the risk of fire, electric shock, or injury to any persons operating the fixture.

Please power this fixture by connecting it to a grounded outlet.

Please do not block the ventilation or do not look at the LED light source directly when it is powered on. Please do not touch the LED light source in any condition.

Please do not place the LED lighting fixture near any flammable object.

Only use a dry microfiber cloth to clean the product.

Please do not use the light fixture in wet condition on account of electric shock may be caused.

Please have the product checked by an authorized service personnel agent if the product has a problem. Any malfunctions caused by unauthorized disassembly are not covered by the warranty. The user may pay for maintenance.

We recommend only using the original Aputure cable accessories. Please note that any malfunctions caused by using unauthorized accessories are not covered by the warranty. The user may pay for maintenance.

When hanging the product overhead, always ensure an extra safety measure has been attached - such as a safety chain- that is certified for the weight of the product. When hanging the product overhead, ensure an extra safety measure has been attached - such as a safety chain- that is certified for the weight of the product.

This product is certified by RoHS, CE, KC, PSE, and FCC. Please operate the product in full compliance with relevant country's standards. Any malfunctions caused by incorrect use are not covered by warranty. The user may pay for maintenance.

The instructions and information in this manual are based on thorough, controlled company testing procedures. Further notice will not be given if the design or specifications change.

FCC Compliance Statement

WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a different circuit than the receiver is connected to.
- Consult the dealer or an experienced radio/TV technician for help.

RF Warning Statement :

This device has been evaluated to meet general RF exposure requirements.

Disclaimer

Before using this product, please read the product manual to ensure correct use under the complete understanding. After reading, please keep the product manual properly for future reference. In case of not operating this product correctly, it may seriously harm yourself or others, or result in product damage and property loss. When using this product, it shall be deemed that you have understood, recognized and accepted all clauses and contents of this document. The user commits to be responsible for their own behaviors and all consequences thereof. Aputure shall not be liable for any loss due to the user who does not use this product in accordance with the product manual.

Under the laws and regulations, our company holds the final explanation right of this document and all related documents of this product. No prior notice will be given for any update, revision or termination. Please visit the official Aputure website for the latest product information.