FSWireNet User Manual

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1. Foreword

1.1 Project background

With the continuous expansion of the scale of the data center and the machine room, the number of cables and equipment in the machine room has increased rapidly, and the traditional manual label management method has been unable to meet the needs of efficient operation and maintenance. The problems such as cable confusion, unclear labels and inaccuracy occur frequently, leading to troubleshooting difficulties and affecting the operation efficiency of the machine room. Therefore, a set of automatic and intelligent label management solution is urgently needed to improve the management level.

This software aims to provide a comprehensive set of data equipment room wiring network label management solution, through efficient label management software and hardware equipment, to help customers to realize the accurate identification and management of cables, equipment and ports in the equipment room, improve the operation and maintenance efficiency of the equipment room, reduce the troubleshooting time, and ensure the stable operation of the network.

1.2 Product Introduction

FSWireNet Is a professional integrated cabling network management system, the software aims to replace the traditional integrated wiring of paper documents and electronic documents of cable recording and management planning, in order to achieve professional cable automation effect. WireNet Very suitable for new construction and need cable upgrade room, by scanning automation reduce engineers in manual input data, labeling, record and find 60% of the painful time, to easy, efficiency, accurate positioning of integrated wiring cable location, to minimize the risk of human error and reduce the risk of network interruption, improve work efficiency, ensure the stability and reliability of the room network.

Advantages / Highlights:

1. Fast scanning reduces the recording time of the wiring system by 60% and greatly reduces the time cost.

2. Easy to use automation system, which can reduce the human error rate of engineers in a lot of work.

3. Easy to use software applications with rich functions, combined with PDA or mobile phone super scanning system.

4. Pre-labeled FS cables, which greatly reduce the cost of the cabling system.

5. Quickly locate the specific physical location of cables in the equipment room and obtain cable information.

2.Environmental allation

2.1 Use environment

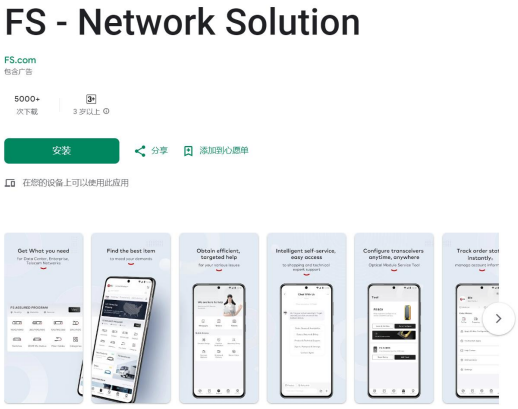
The current minimum WireNet usage environment is Android 9.0,

Users can install the SDK on an Android phone or on a dedicated PDA mobile data terminal.

2.2 Download the installation package

You can download and install the FSstoreAPP through the Google store

Google：https://play.google.com/store/apps/details?id=cn.com.sf.fiberstore

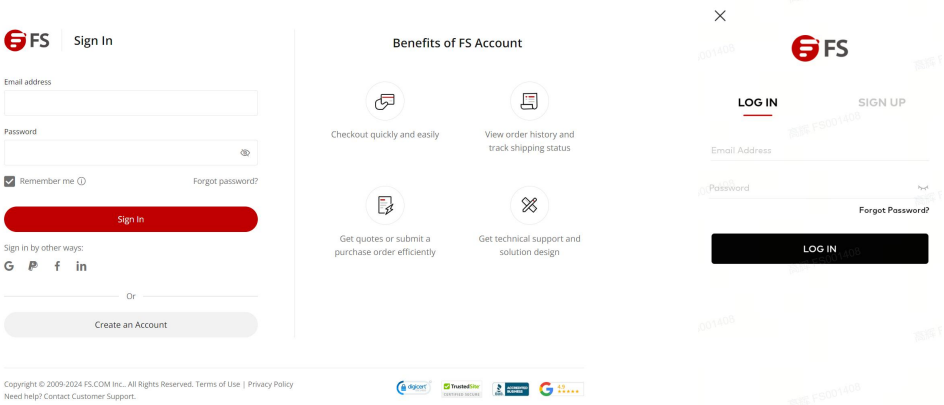


2.3 Create an account

a. If you want to use WireNet for cabling management you need to create and join the FS account,

b. If the FS new customers are available in FS. COM user management interface or for new user registration on the WireNetapp side,

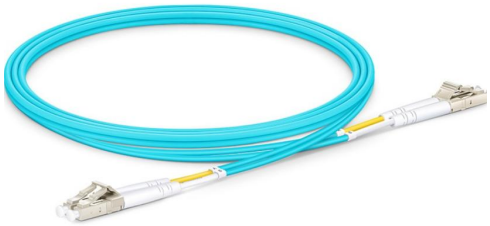
c. If the FS old customers can directly log in with the FSstore account.



3.Management System Product Composition

3.1 Conventional optical fiber jumper cable

FS conventional fiber jumper from OM 1-OM 5 cable in addition to the packaging has all product information identification, both ends of each cable has FS internal unique SN code label, FS is a unique label when manufacturing cable for customers or used for order traceability, ordinary electronic document wiring records, more importantly, can be used with FSWireNet wiring network system.

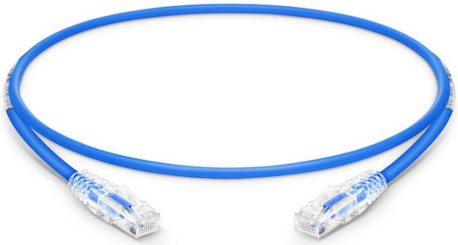


3.2 MTP backbone fiber / matrix fiber

FSMTP cable / main matrix cable except packaging has all product information identification, each at both ends of the cable have FS internal unique SN code label, this is a unique label when FS manufacturing cable for customers or can be used for order traceability, ordinary electronic document wiring record, more important is can cooperate with FSWireNet wiring network system.

3.3 Copper cable jumper line

FS coppe cable cable in addition to the packaging has all product nformation identification, each end of the cable has FS internal unique SN label (19in the following size is not included, but can contact FS sales manager for custom), this is the unique label FS label for customers or used for order traceability, ordinary electronic document wiring record, more importantly, can be used with FSWireNet cabling network system.



3.4 Hardware platform

a. PDA is a common mobile asset management hardware in the market. It has a powerful scanning recognition and imaging system, which can be used with it.

b. Mobile phone: support customers' own mobile phone scanning

FSWireNet System software application and quickly scan to record the barcode on your wiring network cable.

4.Function

4.1 Barcode scanning

a. The first login to FSwirenet recommends carefully reading the FSWireNet usage manual,

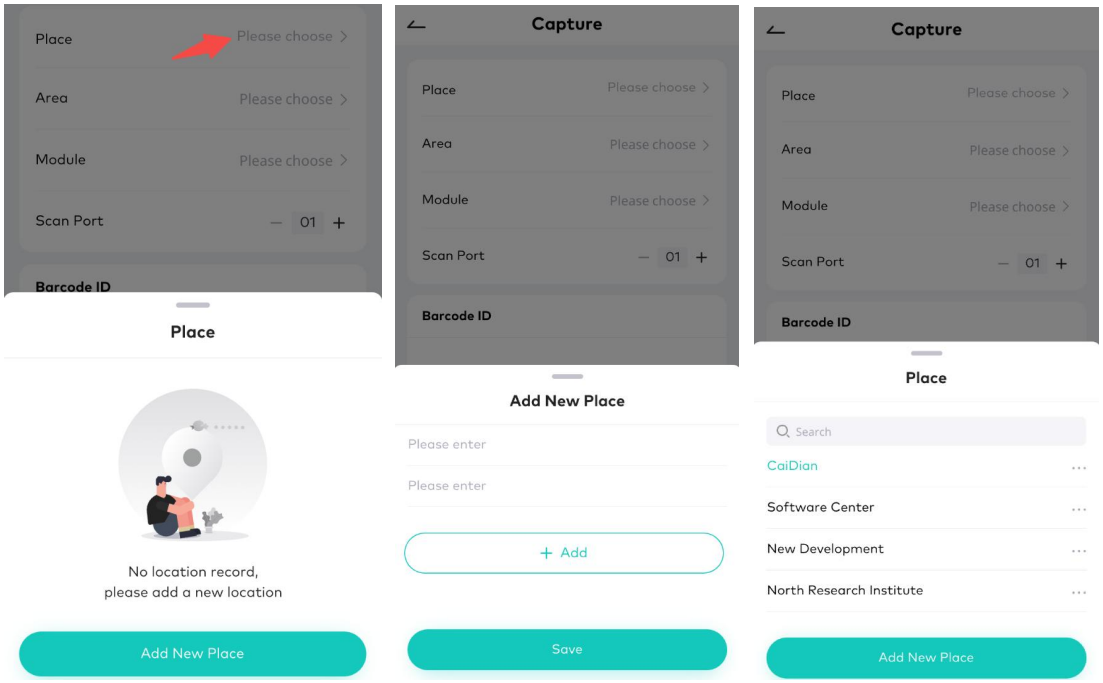
b. WireNet Management data structure: the corresponding area, region, module, port number should be set to match the physical address of the wiring.

4.1.1 Create the location

a. Region: a primary physical address indicating the storage or installation of the wiring network, such as: the university park of a certain project, an industrial park, a hotel, etc.

b. Click on place choose to make a new location creation, enter your actual level 1 physical address, and save.

c. 2 identical level 1 addresses cannot be set.

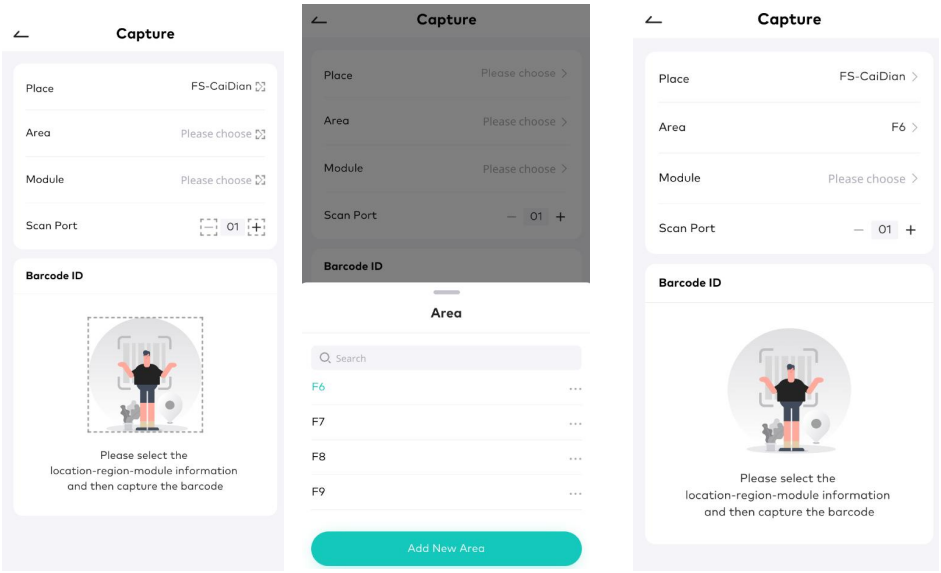


4.1.2 Create the area

a Area: the secondary physical address for the storage or installation of the wiring network, such as: an industrial park, a building of a hotel, a floor,

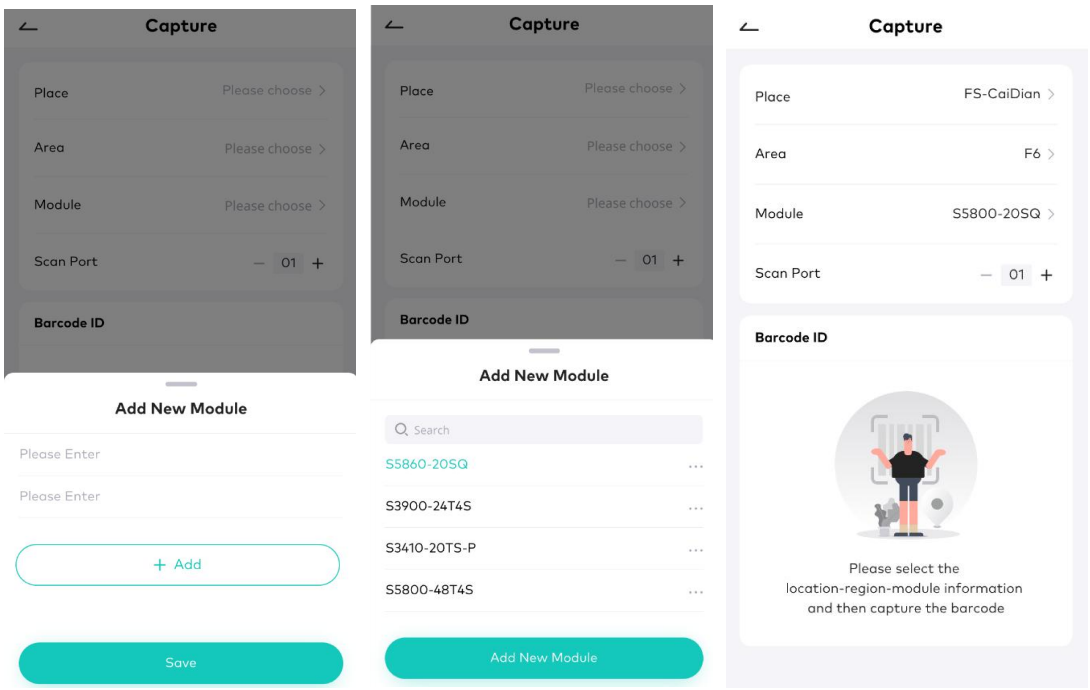
b. Click on Add New Area to make a new area creation, enter your actual secondaryphysical address, and save.

c. 2 identical level 1 addresses cannot be set.



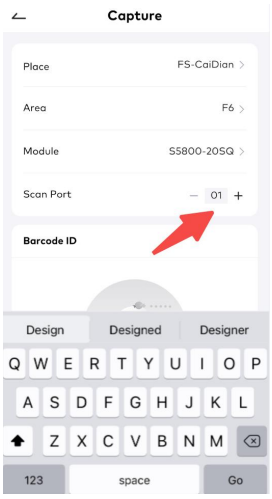
4.1.3 Create a module

- Module: represents the tertiary physical address for the storage or install ationof the cabling network,such as: switch,server in a rack in the teleco m room,optical fiber panel, copper panel.
- Click on Add New Module to make a new area creation,enter your actual secondary physical address,and save.
- 2 identical level 1 addresses cannot be set.



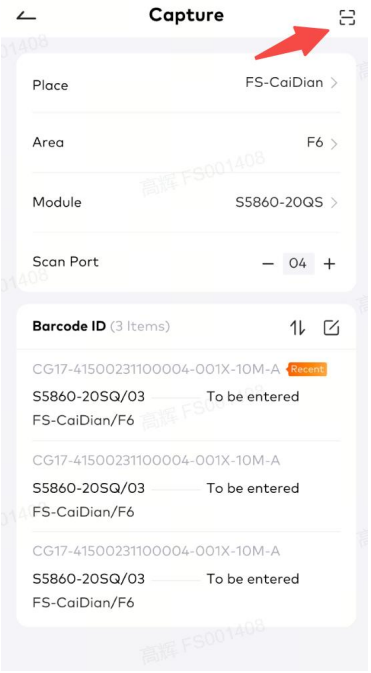
4.1.4 Set up the port

- Port number: indicates the level 4 physical address for the storage or installation of the cabling network, such as the switch of a computer room, server, optical fiber panel, the port number of copper distribution frame, etc.
- Click on the Scan Port and set it to match the port number of the module device,
- Set the port number to 1 if you are currently scanning port 1 of the panel, and to 6 if you start scanning from port 6 of the panel.



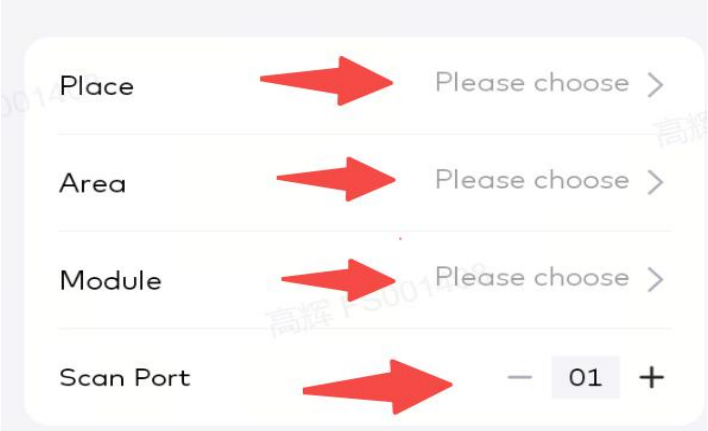
4.1.5 Scan the barcode

- After the preconditions are set, the phone clicks the scan button to scan the cable barcode.
- PDA directly click the scan key to input the barcode on the cable into the system.



4.1.6 Switch over the ports

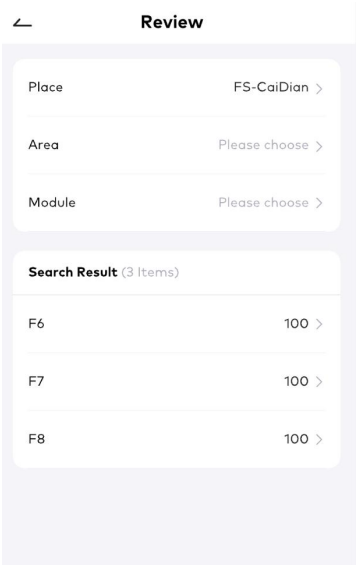
- When you need to enter other physical addresses, you can click Place, Area, Moudule, port to switch to other addresses.


Place
Please choose
Area
Please choose
Module
Please choose
Scan Port
01

4.2 Data review

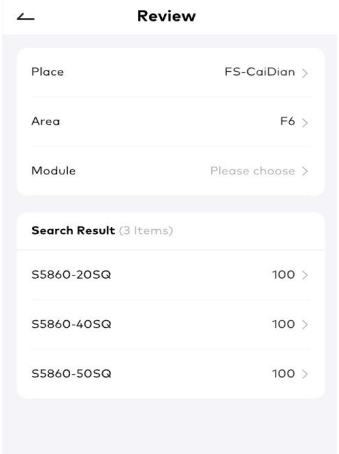
4.2.1 Site review

- Click and select Place for the Search Result to obtain and check the number of Area, name, and cables created under the current Place.



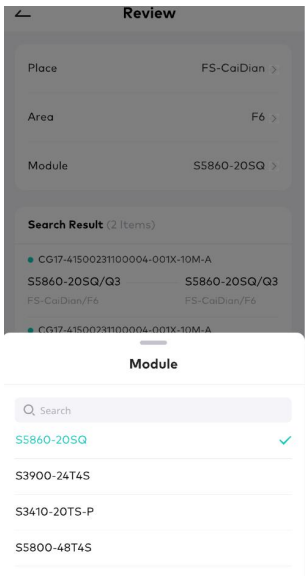
4.2.2 Regional review

Click and select Aera for Search Result to obtain and check the number of Module, name and cables created under the current Aera.



4.2.3 Module review

- Click and select Module, through Search Result can obtain and check the connection name and the number of cables created under the current Module,
- Click in to get the detailed cable correspondence.



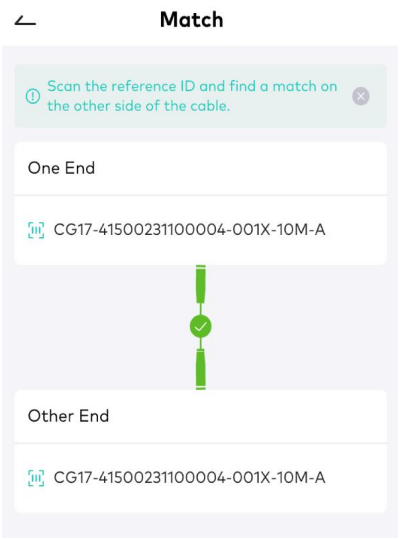
4.3 Cable matching / finding

- Barcode matching allows you to quickly locate the same cable from the messy or bundled wiring.

4.3.1 Matching successfully

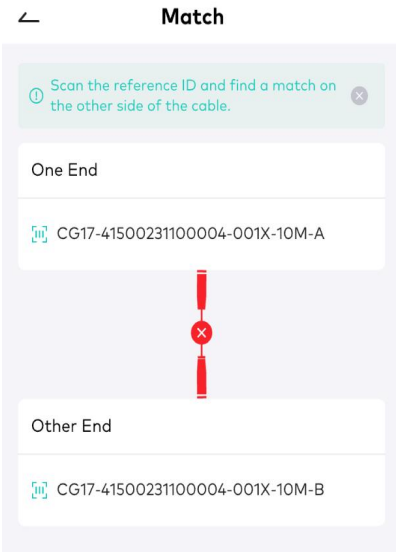
- Barcode matching can quickly locate the same cable from the messy or bundled wiring,

- Click the PDA scan button to scan the One End barcode, and see if the match is successful.



4.3.2 The match has failed

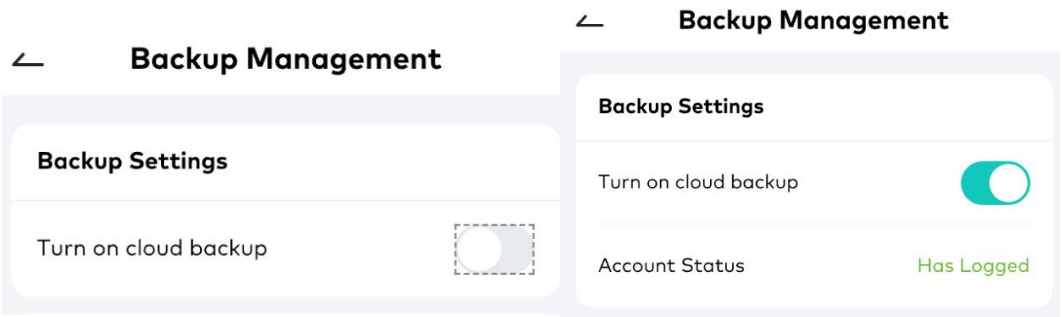
- Click the PDA scan button to scan the One End barcode, and see if the match is successful.



4.4 Data backup management

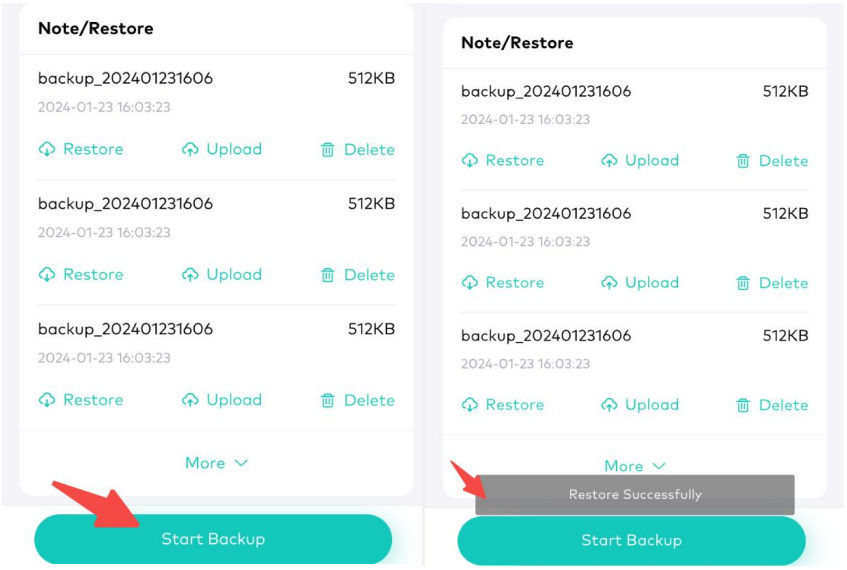
4.4.1 Turn on the backup

- Click on the open backup button to open the cloud backup function,
- If there is no login account, jump to the login account. If there is a new user, you can apply for the account according to their needs.



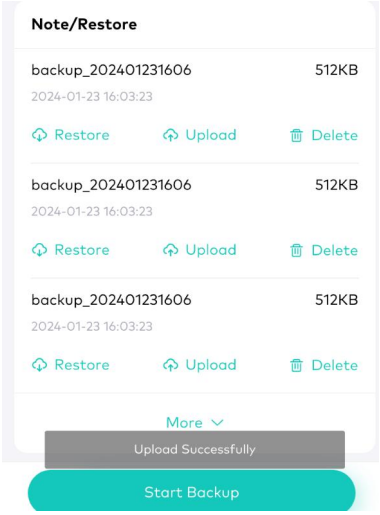
4.4.2 Local Backups

- Click the start backup button to make a real-time local backup of the current data to prevent data loss.



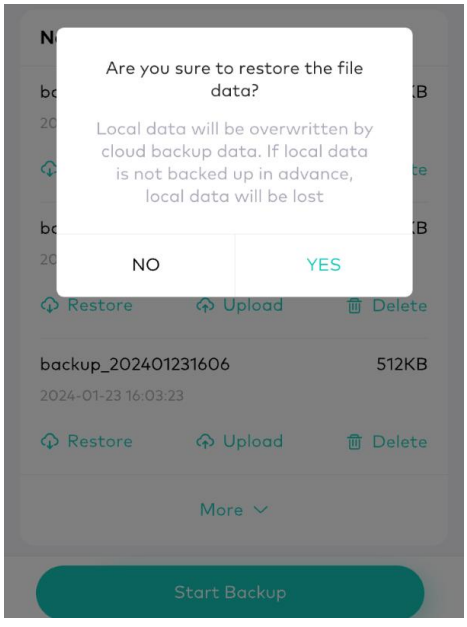
4.4.3 Local backup is uploaded to the cloud

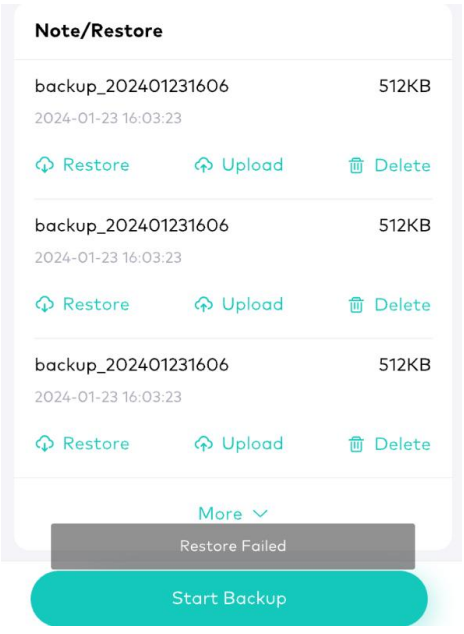
Select the backup file and click Upload to upload the local file to the cloud.



4.4.4 Cloud backup covers local

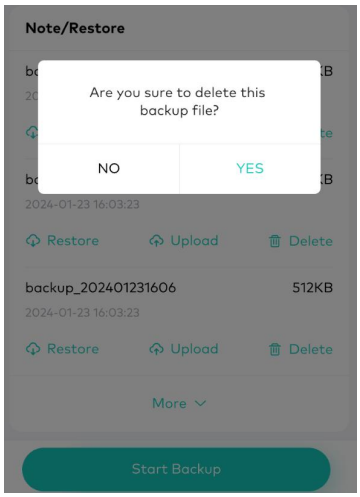
Select the backup file and click Restore to download the cloud file locally.





4.4.5 Backup file management

- Click the Delete button to delete the backup files, please use them with caution.

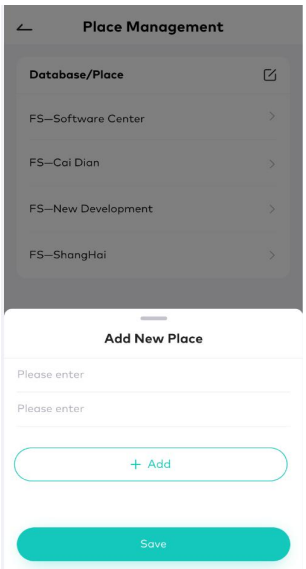


4.5 Site management

4.5.1 Site management

- Place can be added, deleted, edited, and saved in the Place Management interface.

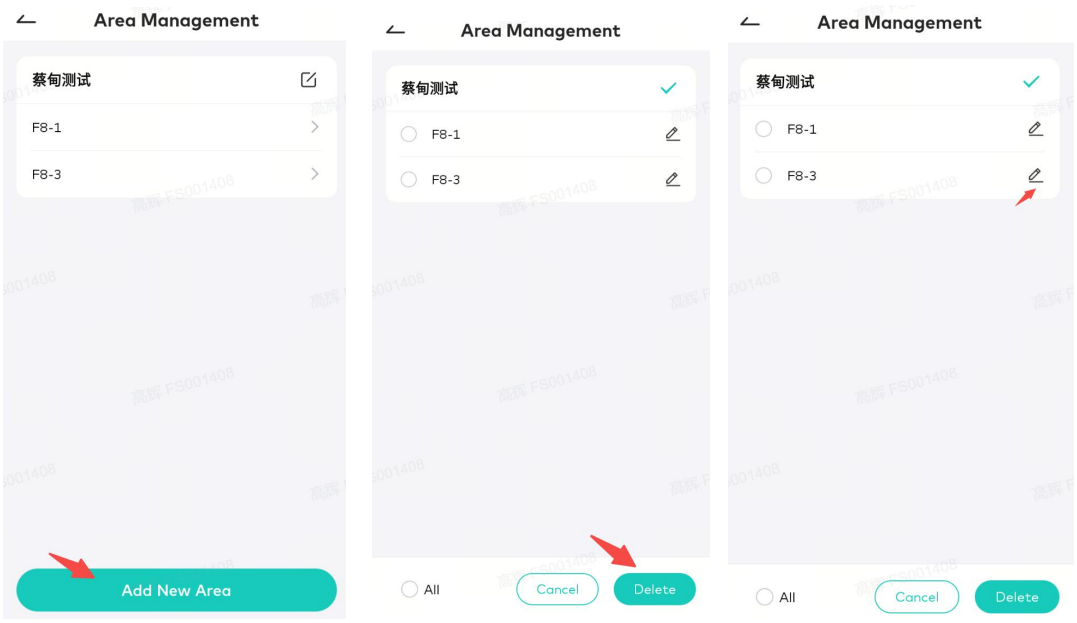
  Add and delete an edit



4.5.2 Regional management

- Place can be added, deleted, edited, and saved in the Area Management interface.

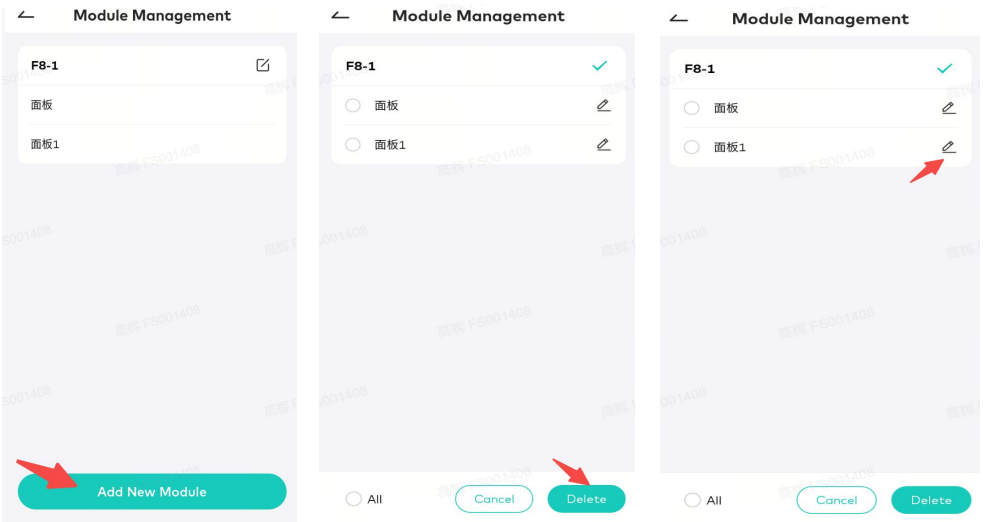
Add delete edit



4.5.3 Module management

- Place can be added, deleted, edited, and saved in the Module Management interface.

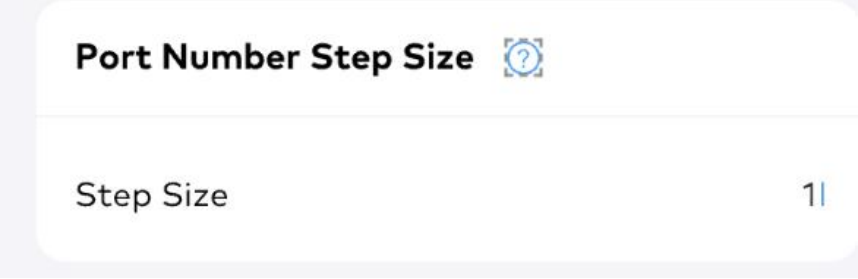
Add delete edit



4.6 System Settings

4.6.1 Port step size setting

- Users can set the port step number,
- When the port step number is set to 1, then the number of the next port will automatically jump to 2,
- When the port step number is set to 2, if the scan starts from port 1, the next port number will automatically jump to 3 and so on.



4.6.2 Port step setting

- Text character used to separate the module name and the port number in the port location boundary.