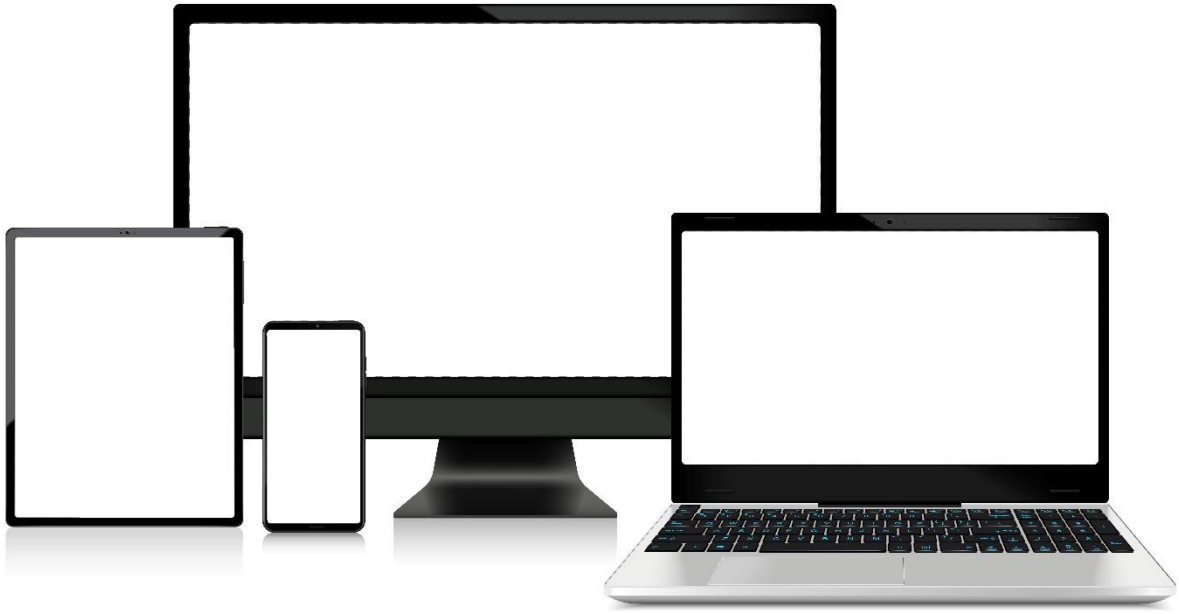
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iDAS
System Operation Manual



Y2F210-45-004
2026/07/02

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Tabel of Contents

① User Guide 3

② System Requirements 4

③ Hardware 5

④ Controller Setting 6

⑤ System Screen Introduction 8

1. Normal Job Management 9
2. Advanced Job Management 11
3. IO Input 12
4. IO Output 13
5. Operation 14
6. Data 15
7. Tool 15
8. Setting 16
9. Command 20
10. Agent 21
11. Load 21
12. Save 21

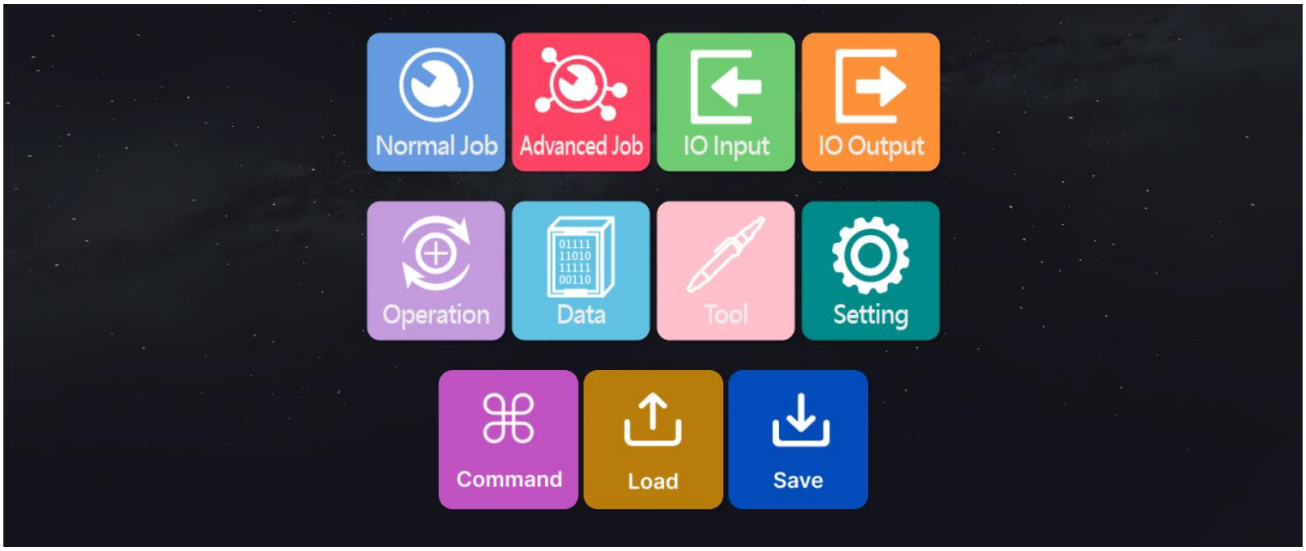
⑥ Statement 22

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① User Guide

This manual provides a quick guide to operating the system and getting started with the controller.

Diverse and well rounded operation interface, simple and user-friendly design allows users to get quick understanding, and this system can simultaneously work with the controller under the brand. It is very convenient for users.



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② System Requirements

- Windows 10 is recommended
- Hardware memory at least 768MB/2GBHz processor
- At least 2GB hard disk
- Recommended at least 16-bit color and 1024x768 screen resolution
- .NET Framework 4.0 or above must be installed

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③ Hardware

1. The following must be prepared before operating this system:

   - The Controller
   - A web browser that matches this operating system
   - For controller network connection, please refer to the next page

     "④ Controller Settings"

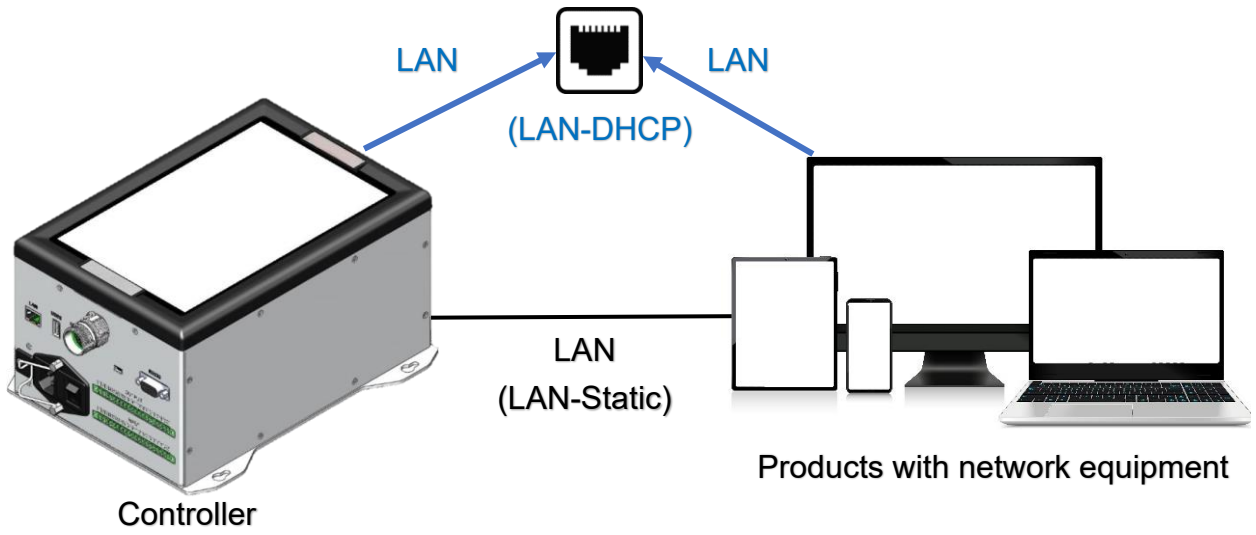
     ① LAN-DHCP (IP location assigned automatically)

     Connect the controller and PC with Ethernet cables and LAN socket respectively.

     ② LAN-Static (Enter the fixed IP address yourself)

     Use a Ethernet cable to connect the controller to the PC.
   - Please refer to the controller operation manual for other device connections.

2. Device connection as in the following diagram: (Schematic diagram)



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④ Controller Setting

1. The setting method is as follows:

→Before entering the system, you must first set the date format of the computer system to "YYYY/MM/DD".

→Power on the controller → click "Setup".

→Enter the default password: 0000→Click "Controller"→"Network Settings-Network Mode: LAN-DHCP, LAN-Static".

➢ LAN-DHCP (IP address assigned automatically)

The controller and PC are connected with Ethernet cables and LAN socket respectively.

Step 1: Select "LAN-DHCP" for network mode.

Step 2: After pressing "Save", "Network IP" will display the automatically assigned IP address.

Step 3: Enter the Network IP in the browser address bar to enter the system (default password is 0000).

➢ LAN-Static (Enter the fixed IP address yourself)

Static IP: Use a Ethernet cable to connect the controller to the PC.

Controller settings:

Step 1: Select "Static" for the Network mode.

Step 2: Enter the Static IP"192.168.0.1XX", Subnet Mask "255.255.255.0",

Gateway IP "0.0.0.0" then click "Save".

2. Controller settings:

Settings→Open Network & Internet settings→Ethernet→Change adapter options→Ethernet→right-click “Properties”→ Internet Protocol version 4 (TCP/IPv4)→Properties→Use the following IP address:IP address, Subnet mask, Default gateway.

(The following is an example)

IP address : 192.168.0.100(192.168.0.1XX)

Subnet mask : 255.255.255.0

Default gateway : 192.168.0.0

NOTE: When modifying the computer’s IP address, please disconnect from all networks, including wireless connections.

NOTE: The controller and the computer must be on the same local area network (LAN).

After setting is completed, enter the static IP in the browser address bar to enter the system (default password is 0000).

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⑤ System Screen Introduction



NOTE: After entering for the first time, you must press “Load” to read the controller setting parameters into the system.

Ⓐ Please log out the logged in account

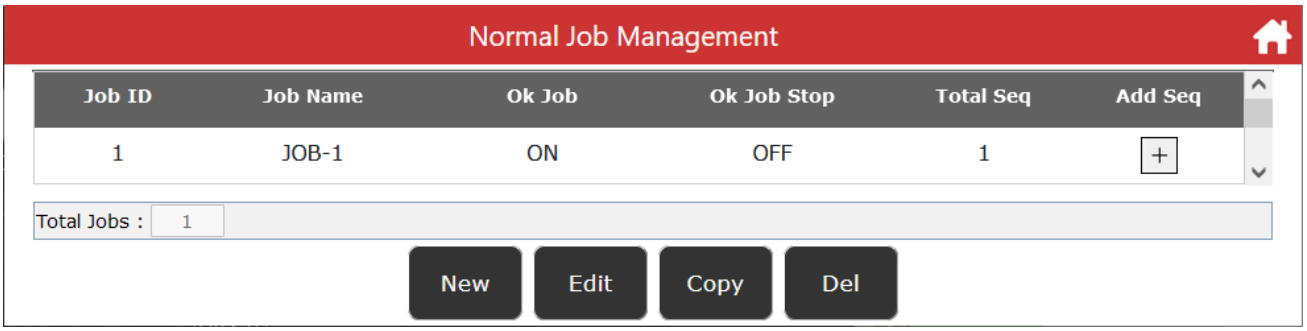
Ⓑ Company and system name

Ⓒ Selectable system interface language

Ⓓ Function operation settings

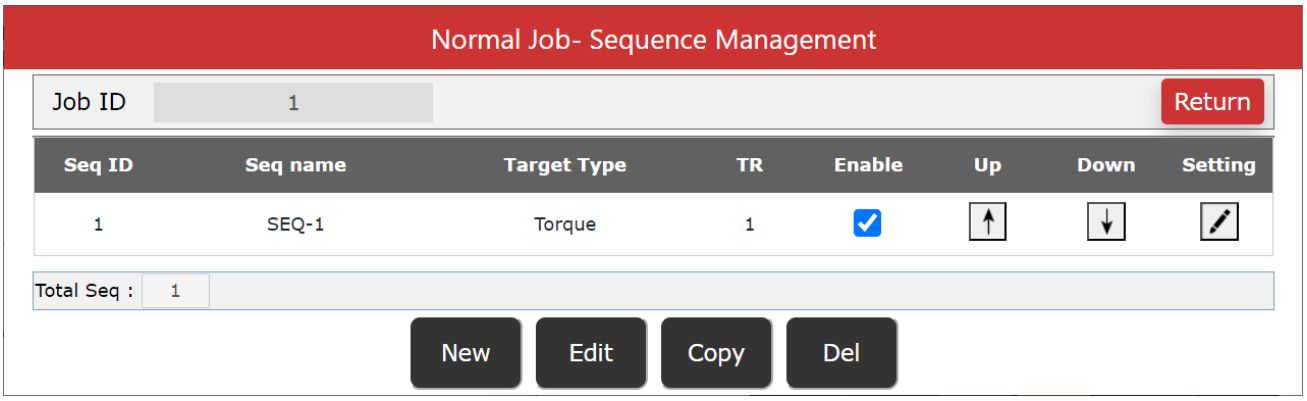
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1. Normal Job Management



- : Return to the home page.
- Add Seq [+]: Enter Normal Job-Sequence Management.
- Total Jobs: The total number of jobs created so far.
- New: Click to add a new job.
- Edit: Edit the setting parameters of job.
- Copy: Copy job and create a new one.
- Del: Delete the specified job.

Normal Job-Sequence Management



Job ID: Displays current job ID.

Return: Go back to the previous page.

Seq ID: Displays sequence ID.

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Seq name: Displays sequence name.

Target Type: Displays sequence target.

TR: Displays the total number of screws tightened in the sequence.

Enable: The sequence will only be executed if checked (can be checked repeatedly).

Up/Down: Sort the sequence in queue.

Setting: Set the sequence parameters. (Please refer to the controller user manual)

Total Seq: The total number of sequence currently created.

New: Click to add a new sequence.

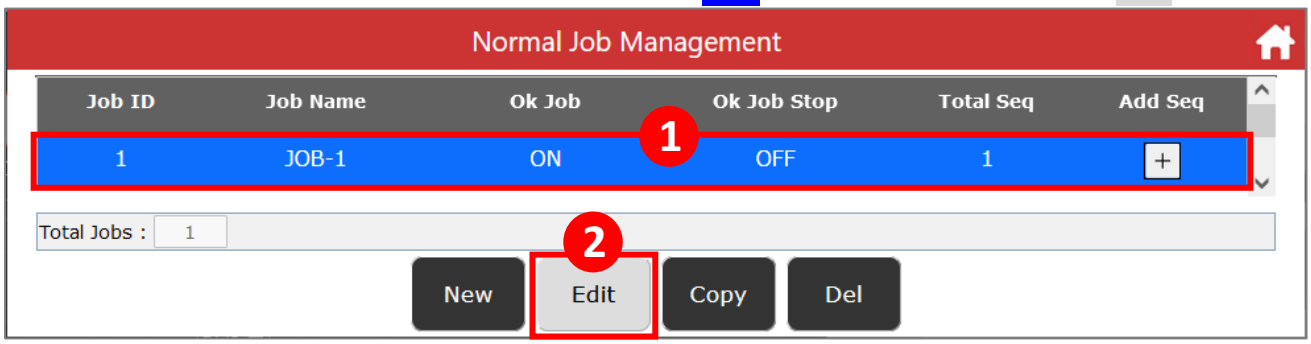
Edit: Edit the sequence setting parameters.

Copy: Copy sequence and create a new one.

Del: Delete the specified sequence.

Before performing Edit, Copy, or Del, you need to click on the specified item. (show **blue background**) then you can proceed with the work.

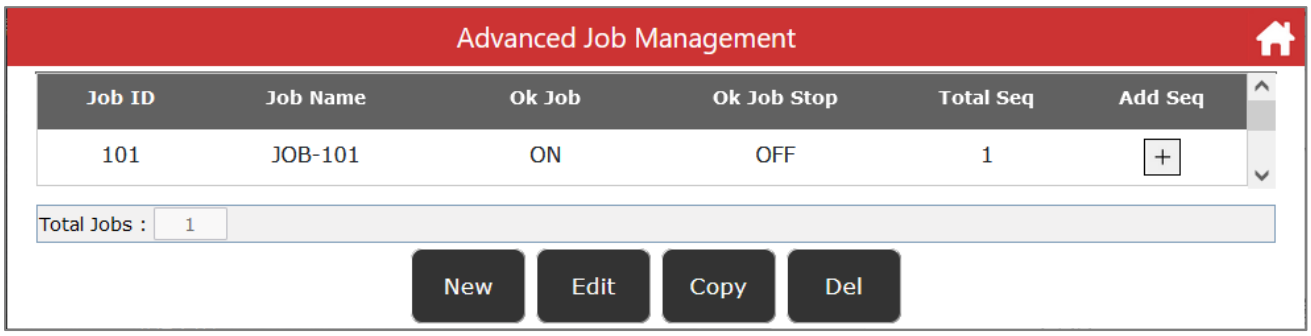
Example: In Normal Job Management, click the "**Job**" to be edited and press "Edit".



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2. Advanced Job Management

Execute New, Edit, Copy, Del and Add Seq.

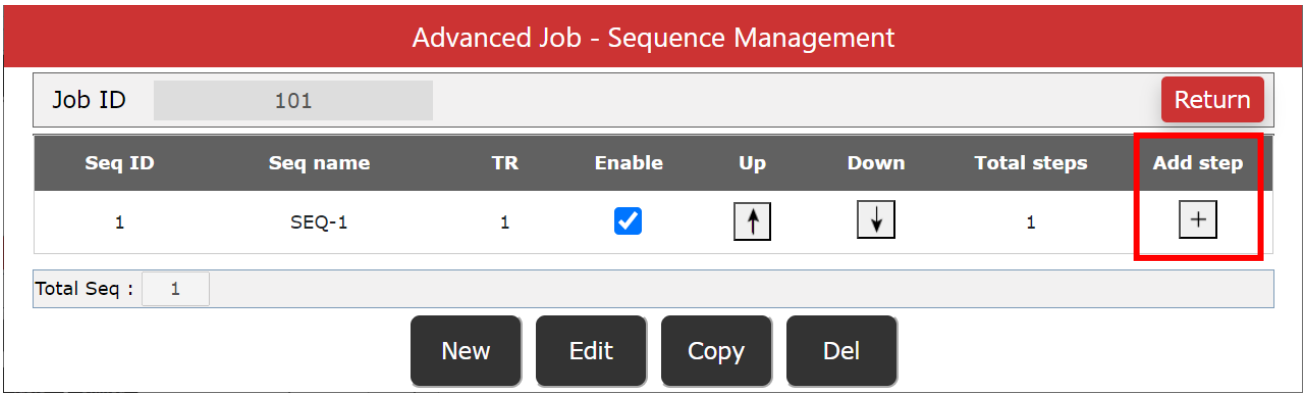


- Add Seq [+]: Enter Advanced Job – Sequence Management.

The difference from Normal Job is that there is an "Add step" in Sequence Management.

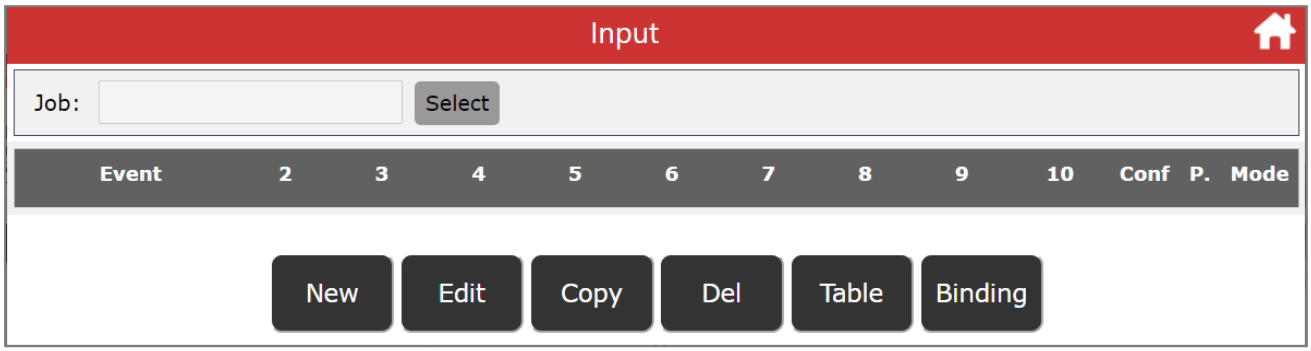
Parameters can be set for steps here.

(Please refer to the controller user manual)

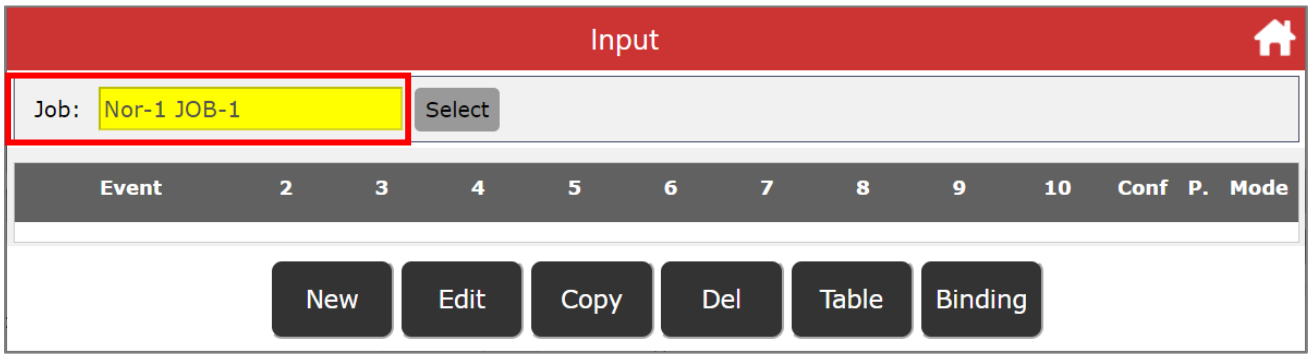


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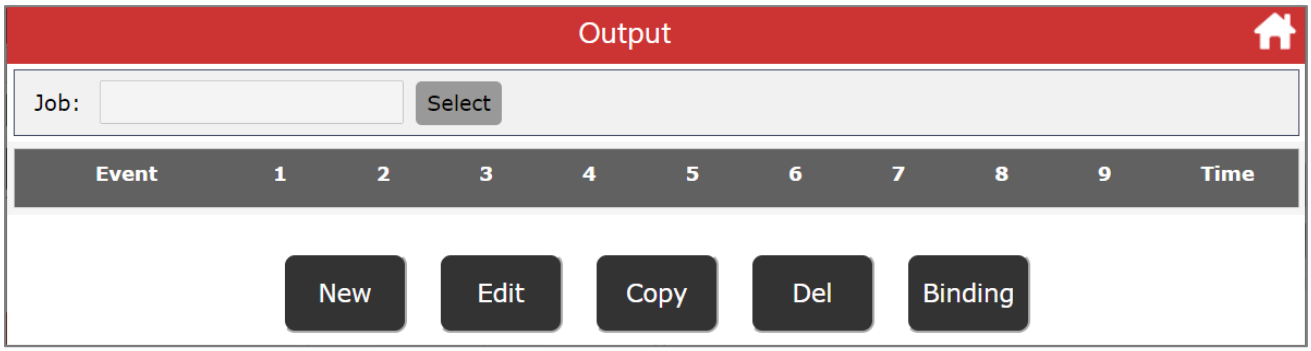
3. IO Input



- Job: Start by selecting the work you want to perform.
- New: Create an event and select events and signals.
- Edit: Edit events and signals.
- Copy: Copy events and signals.
- Del: Delete events and signals.
- Table: Displays the created event list.
- Binding: Click Binding after selecting the specified job. A yellow background is displayed to indicate that all input events set by this selection will be uniformly applied to all jobs.



4. IO Output

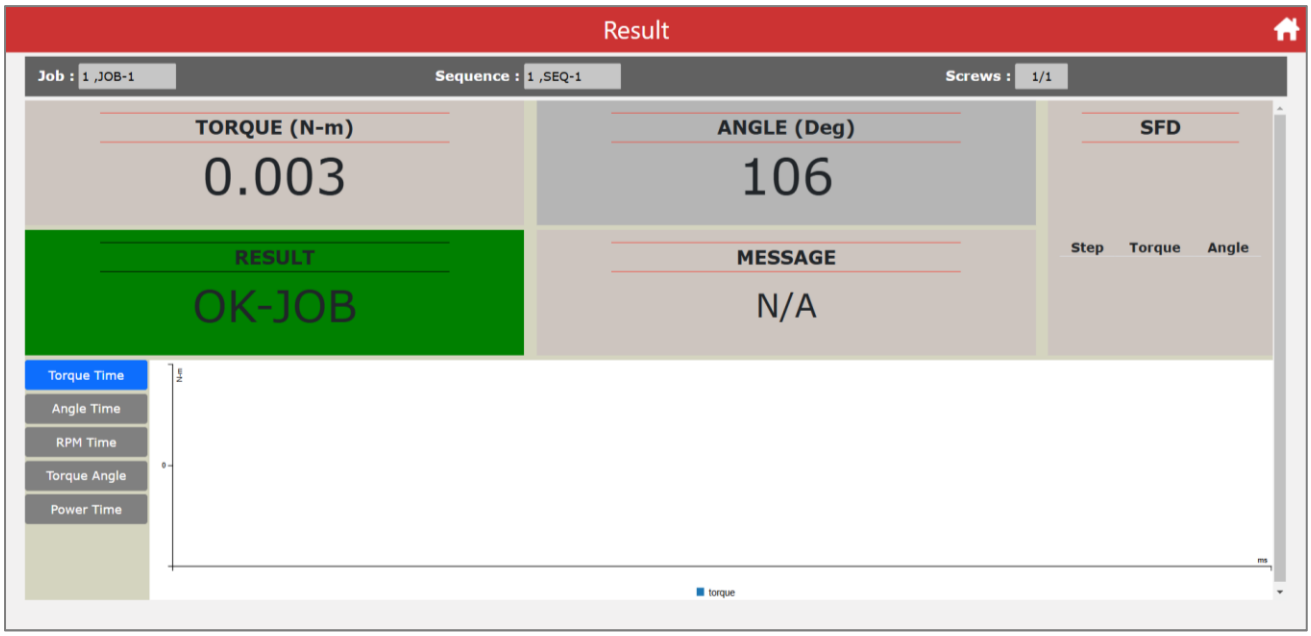


Perform New, Edit, Copy, Del, and Unified the selected settings on the output work.

Note: Tool Running signal, Tool Trigger signal, Reverse, only has the screwdriver start output single choice.

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5. Operation



Job: Displays the name of the currently executed job.

Sequence: Displays the name of the currently executed sequence.

Screws: Display the current number of screw number/ total screws number.

TORQUE: Displays the tightening torque.

ANGLE: Displays the total angle of the screwdriver turning.

RESULT: Displays the tightening status.

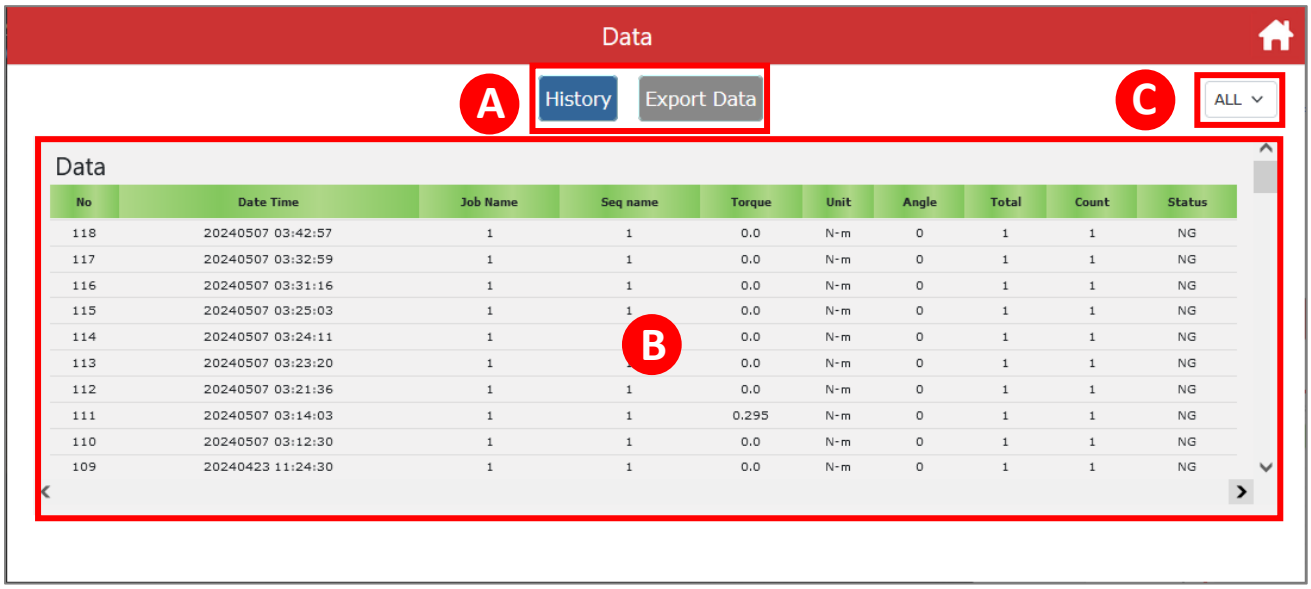
MESSAGE: Displays the tightening exception and system judgment message.

SFD: Displays torque and angle for each step of Advanced Job.

Chart: The XY axis display mode can be selected.

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6. Data



No	Date Time	Job Name	Seq name	Torque	Unit	Angle	Total	Count	Status
118	20240507 03:42:57	1	1	0.0	N-m	0	1	1	NG
117	20240507 03:32:59	1	1	0.0	N-m	0	1	1	NG
116	20240507 03:31:16	1	1	0.0	N-m	0	1	1	NG
115	20240507 03:25:03	1	1	0.0	N-m	0	1	1	NG
114	20240507 03:24:11	1	1	0.0	N-m	0	1	1	NG
113	20240507 03:23:20	1	1	0.0	N-m	0	1	1	NG
112	20240507 03:21:36	1	1	0.0	N-m	0	1	1	NG
111	20240507 03:14:03	1	1	0.295	N-m	0	1	1	NG
110	20240507 03:12:30	1	1	0.0	N-m	0	1	1	NG
109	20240423 11:24:30	1	1	0.0	N-m	0	1	1	NG

Ⓐ

History: Historical record data is displayed below.

Export Data: A time range and export the data (.CSV) can be selected.

Ⓑ Displays the historical record data.

Ⓒ Historical record data can be filtrated and display it in specified status.

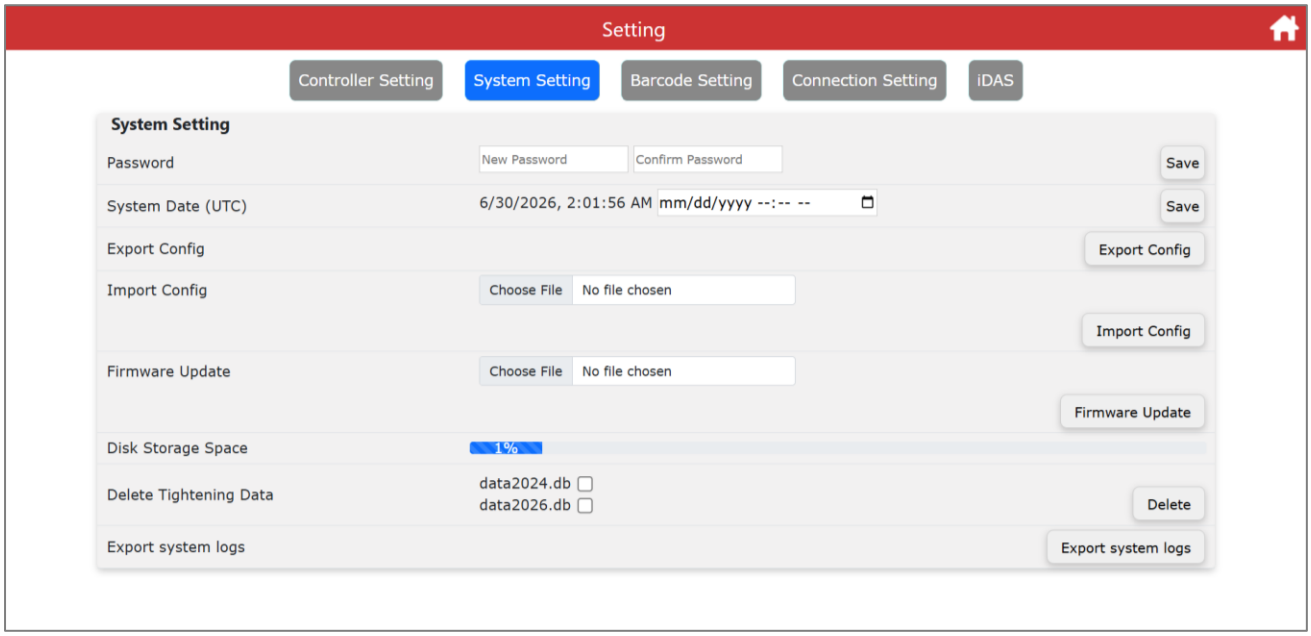
7. Tool

Displays Tool and Controller Information.

8. Setting

➢ Controller Setting: (Please refer to the controller user manual)

➢ System Setting:



Password: The password of the system and controller can be changed, the length is 4~10 characters (only numbers are supported).

System Date(UTC): The system time (year, month, day, hour and minute) can be adjusted.

Export Config: After exporting the data, the tcscon.cfg configuration file is generated.

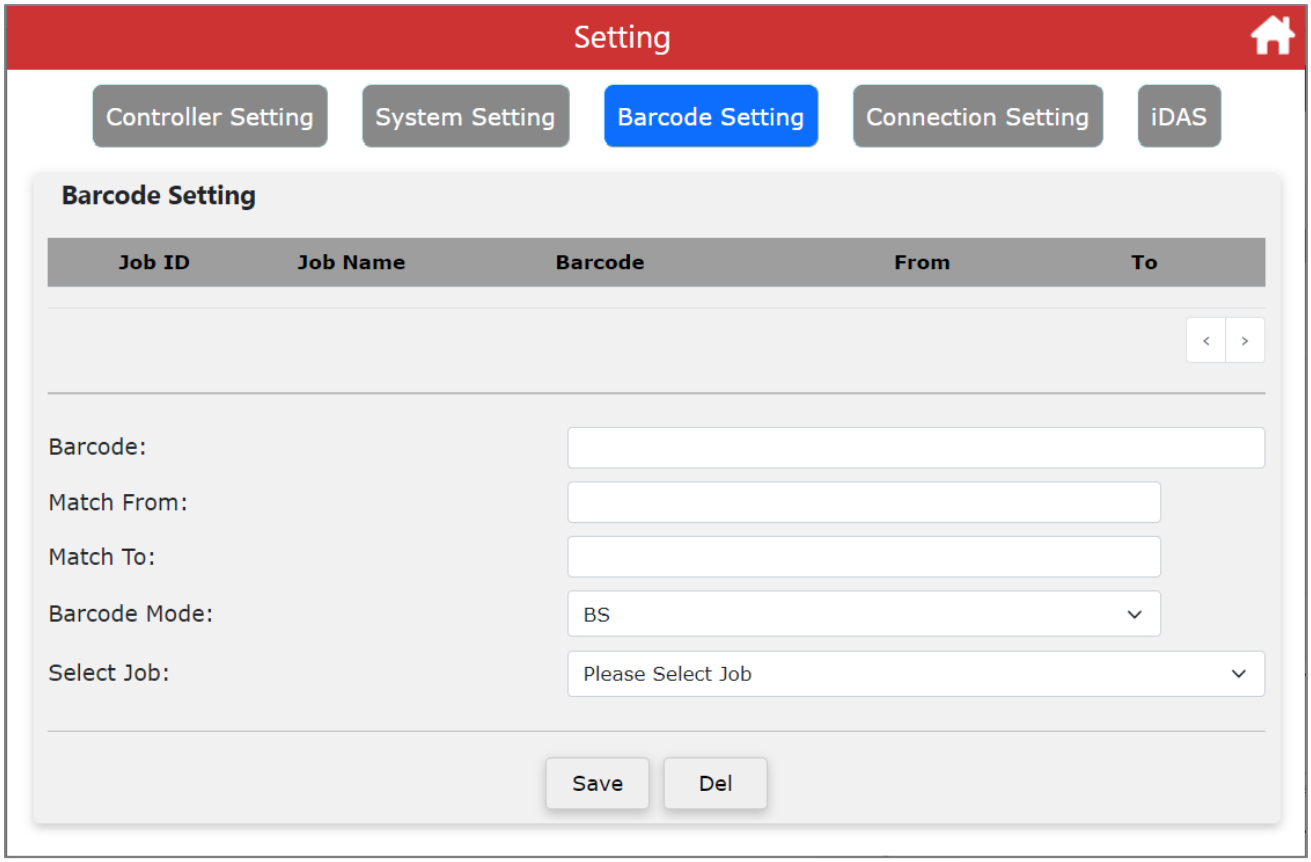
Import Config: Import tcscon.cfg.

Firmware Update: Select the specified file and update the controller.

Disk Storage Space: Displays the current disk usage percentage of the controller.

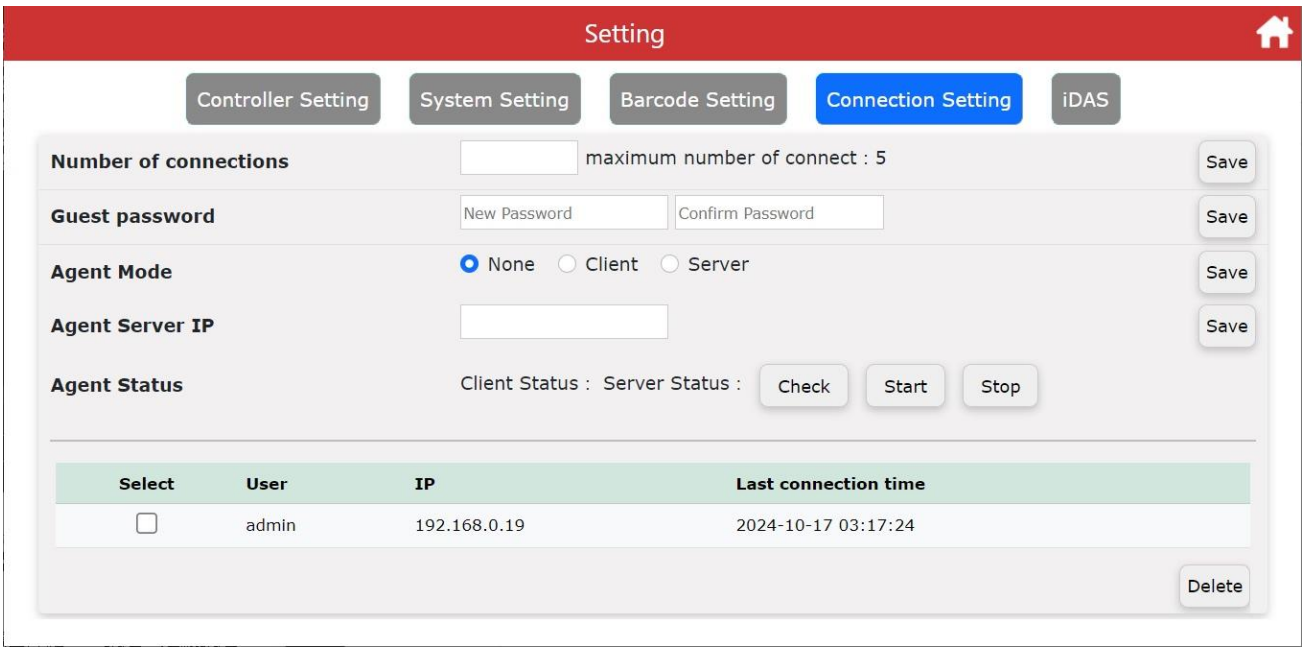
Export system logs: Export this system's logs.

➢ Barcode Setting: (Please refer to the controller user manual)



After scanning the barcode, you can set the barcode judgment scope and Barcode Mode, After selecting the corresponding job, the storage will be displayed in the barcode setting form. Already created barcodes can also be deleted.

➢ Connection Setting:



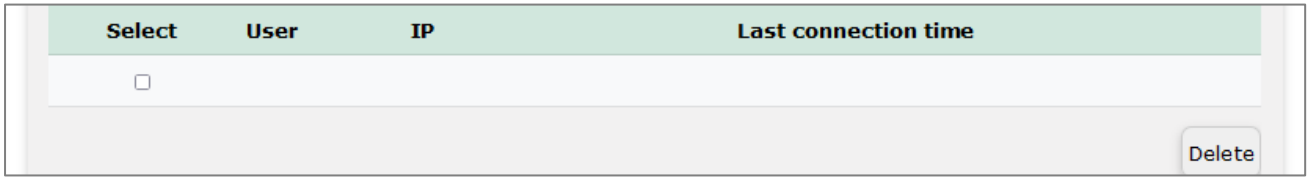
Number of connections: Enter the maximum number of controllers that can be connected to this system and press Save.

Guest password: Enter the new password and confirm it and press Save.

Agent Mode: Select the type of Agent and click Save.

Agent Server IP: Enter the IP of the current controller and press Save.

Agent Status: Press "Check" to display the current connection status. After pressing "START" ✓ Indicates that it has been set, press "STOP" to indicate ✗ Cancel setting.



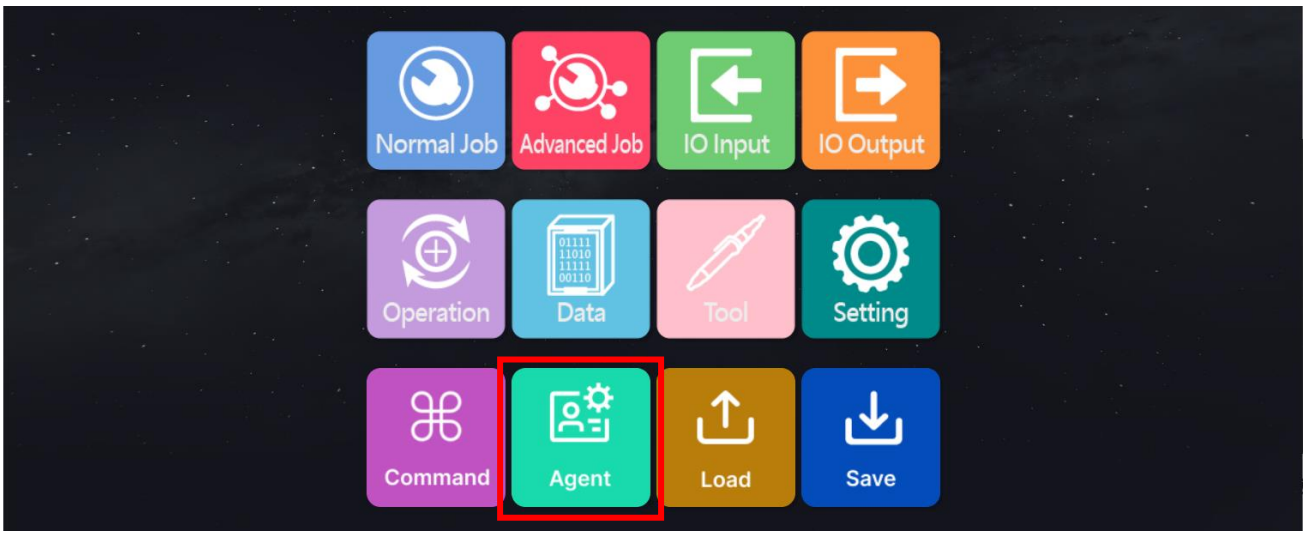
The computer IPs connected to this system can be listed. When the number of connections reaches the maximum number of connections, new visitors will not be able to log in. Check the IP and click Delete to delete the connection.

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Note:

➔ To set it as the Server controller, make sure that both Client and Server are checked.

➔ After setting to Server, the Agent option will appear on the home page.



➔ After setting to Server, the Agent option will appear on the home page.

➔ For other multiple controllers set to Client, set them so that only Client is checked.

When setting up two controllers (the following IPs are examples)

192.168.1.5 is set as Server :

➔ Key in Agent Server IP: ”192.168.1.5”→Save

➔ Select Agent Mode: “Server”→ Save

➔ After pressing “Start”, both Client Status and Server Status are ✓ Indicates that it has been set.

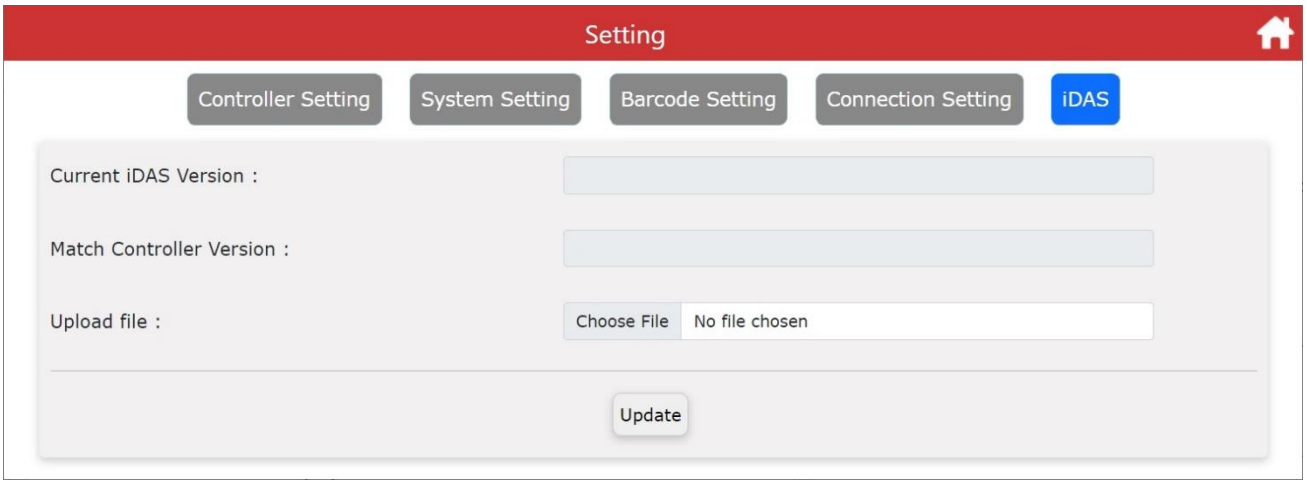
192.168.1.2 is set as Client:

➔ Key in Agent Server IP: “192.168.1.5”→ Save

➔ Select Agent Mode: ”Client”→ Save

➔ After pressing "Start", the client status is ✓ indicating that it has been set, and the server status is ✗.

➢ iDAS:

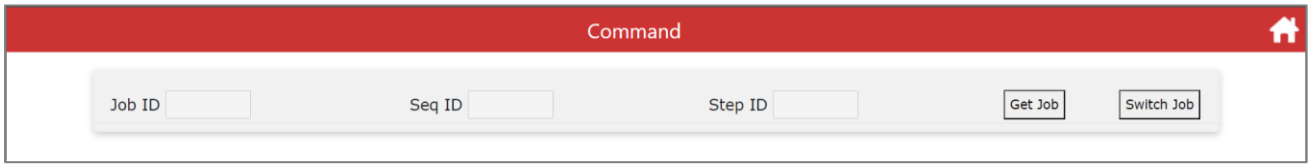


Current iDAS Version: Displays the current iDAS version.

Match Controller Version: Corresponding controller version.

Upload file: Select the .pack file of the software upgrade and click Update.

9. Command

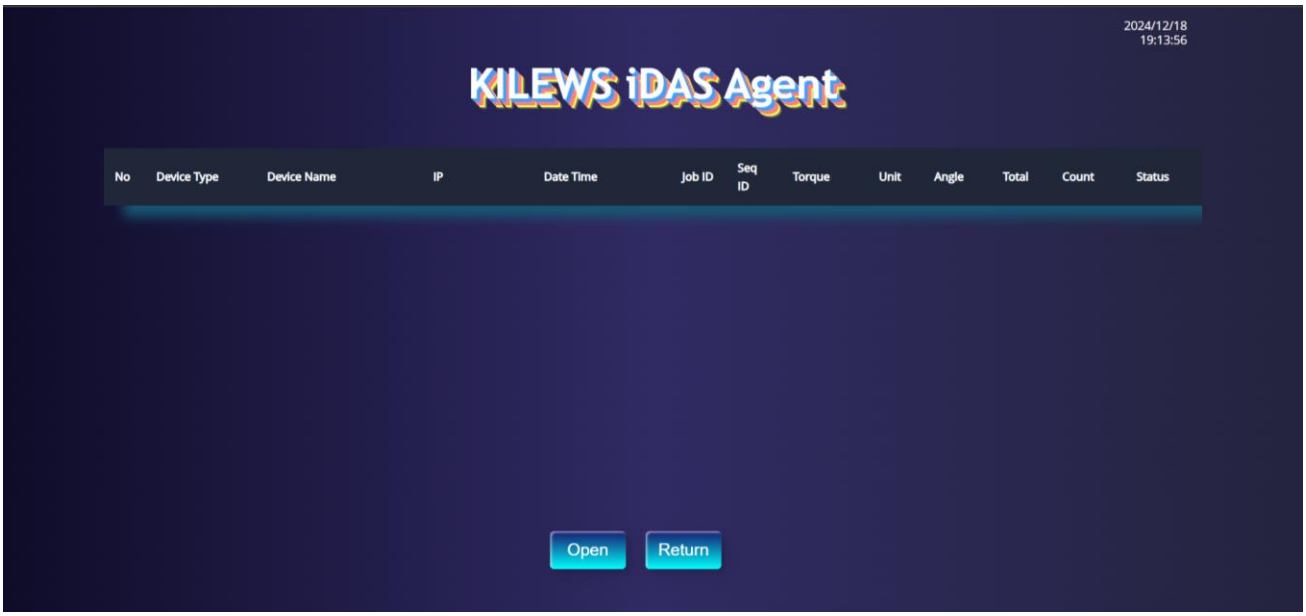


Get Job: When pressed, the current Job ID, Seq ID, and Step ID will be displayed.

Switch Job: Switch the job to be executed and then press "Get Job" and display the Job ID, Seq ID, and Step ID.

10. Agent

You need to set up the Server first and then the Agent option will appear on the home page before you can enter.



Displays the configured Client and Server, and display the tightening status in real time.

You can click on any controller in the list and press Open to enter the corresponding system.

11. Load

Load the controller setting parameters to the system.

12. Save

After each parameter setting, the system parameters need to be imported to the controller, and the controller data will be overwritten.

Note: The controller's status is logged out.

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⑥ Statement

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