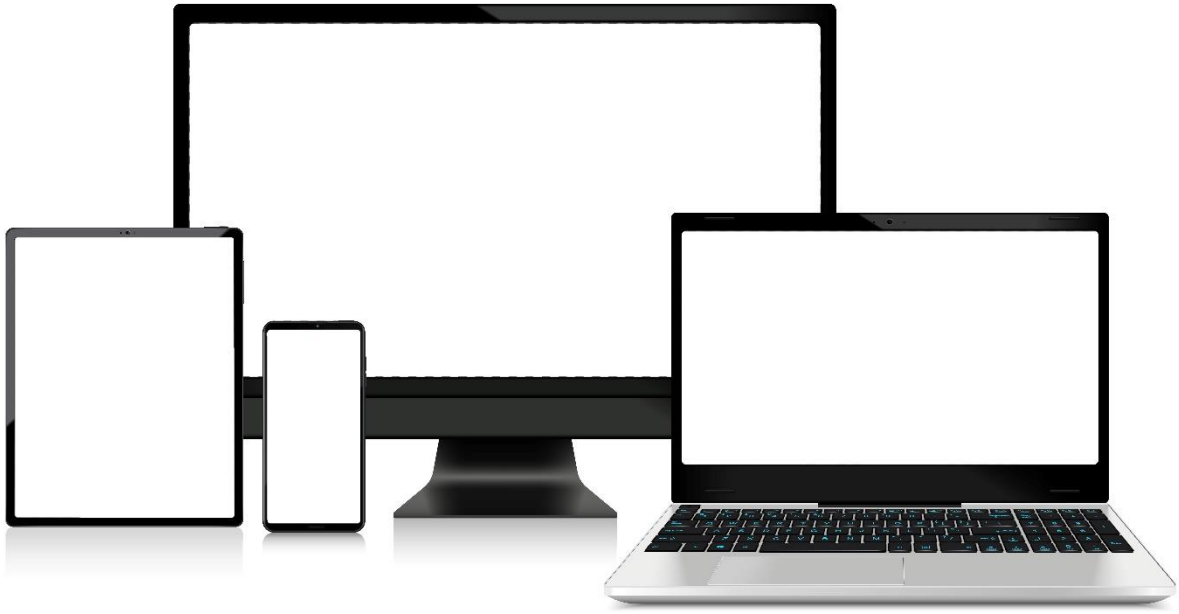
KILEWS

iDAS
System Operation Manual



Y2F210-68-002
2026/02/26

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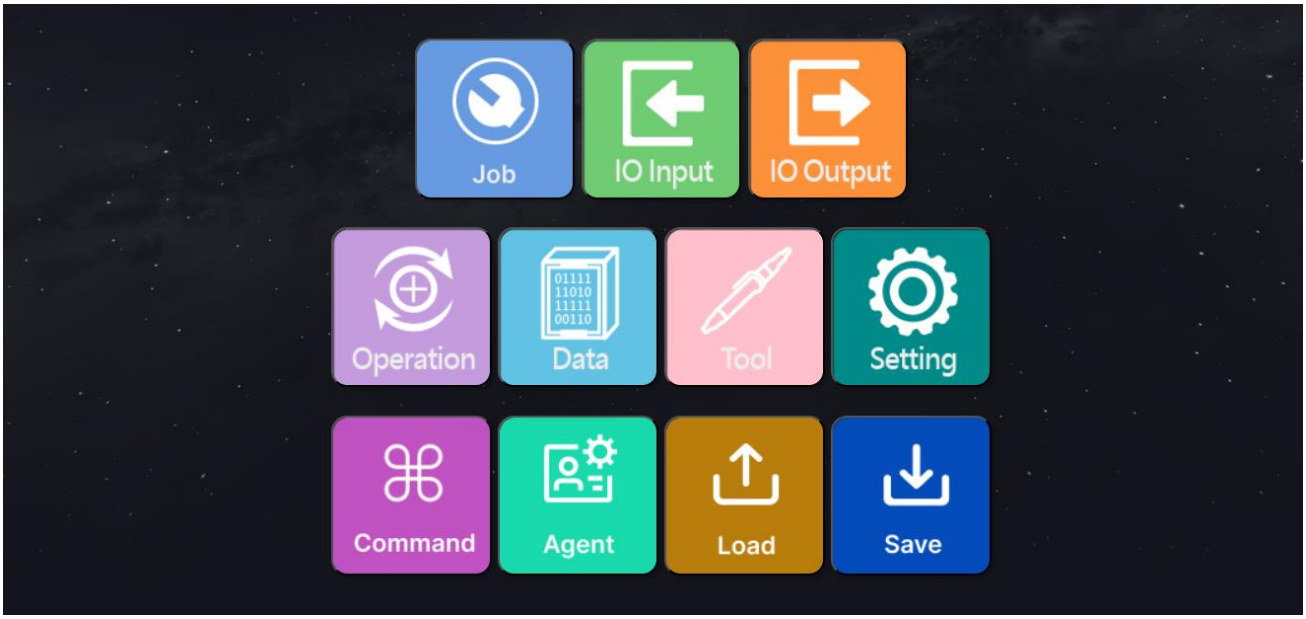
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① User Guide

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
- Electric screwdriver
- For controller network connection, please refer to the next page

  ” ④Controller Settings”

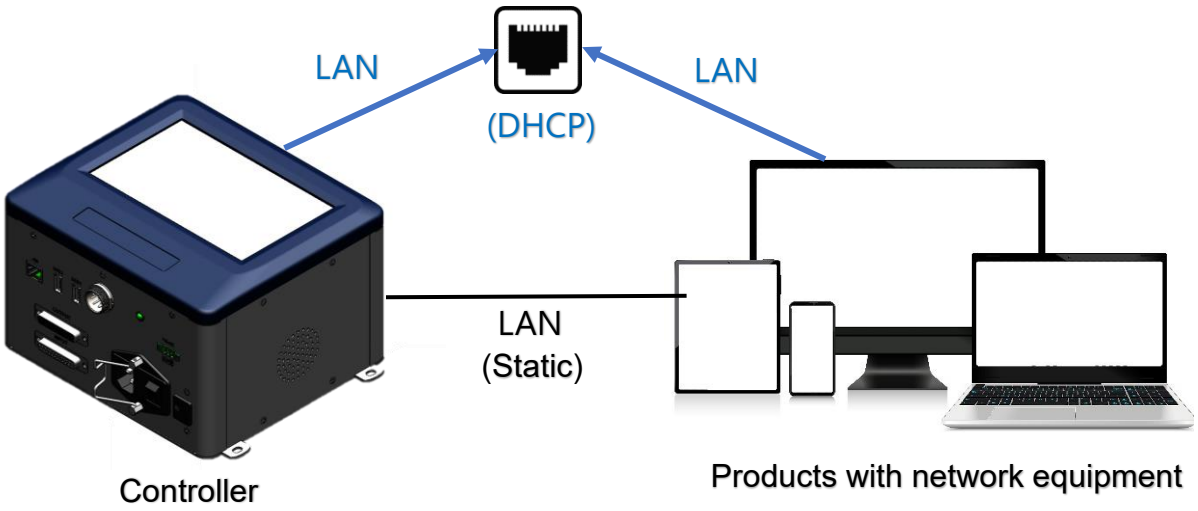
  ① LAN-DHCP (IP location assigned automatically)

  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. Network Configuration for the Controller

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

→Power on the controller →Click the upper-left corner "Operation" →Click "Login" →Enter the default password: 0000 →"Login" →"Confirm" →"Setting" →"Network- Network Mode: DHCP/Static".

➢ DHCP (IP address assigned automatically)

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

Step 1: Select "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).

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- 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. Computer network 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 : 192.168.0.1

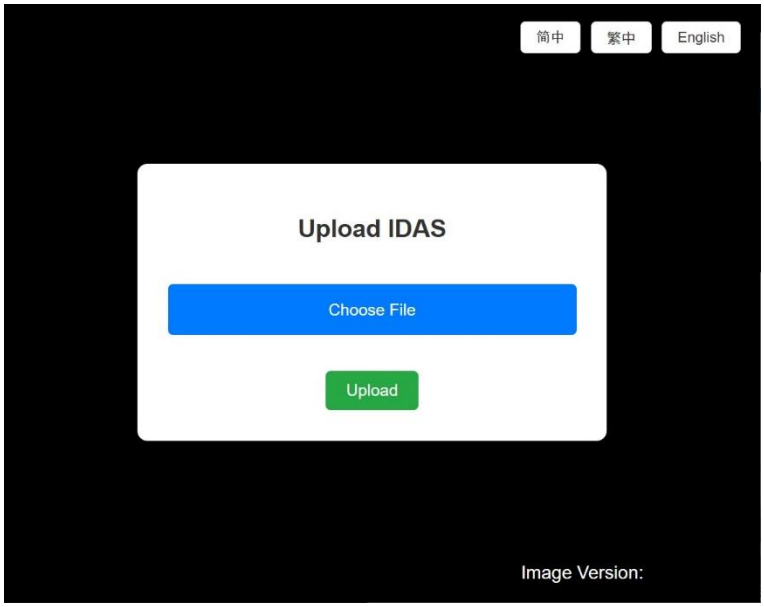
NOTE: When modifying the computer’s IP address, please disconnect from all networks, including wireless connections.

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.

NOTE: A system update (.pack) is required upon first launch.

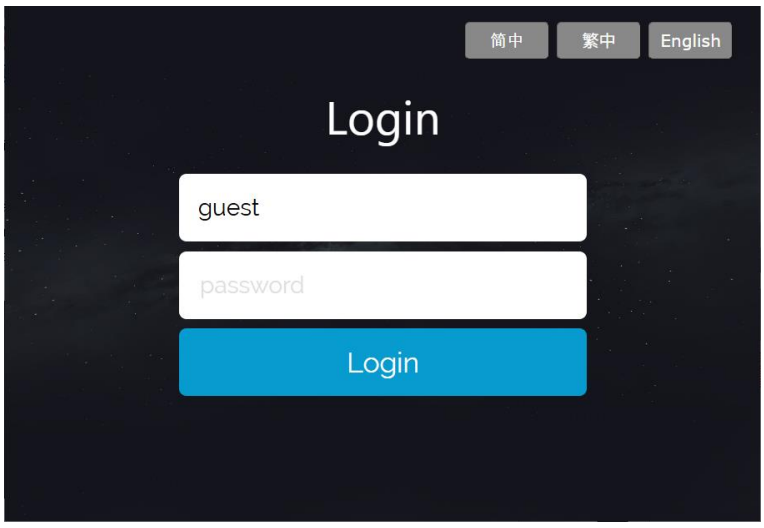
Select “Choose File” → locate and select the update file (.pack) → click “Upload” → after a successful update, the login screen will appear.



Login Screen: Enter your username and password, then click “Login” to access the system.

Default username: guest

Default password: 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

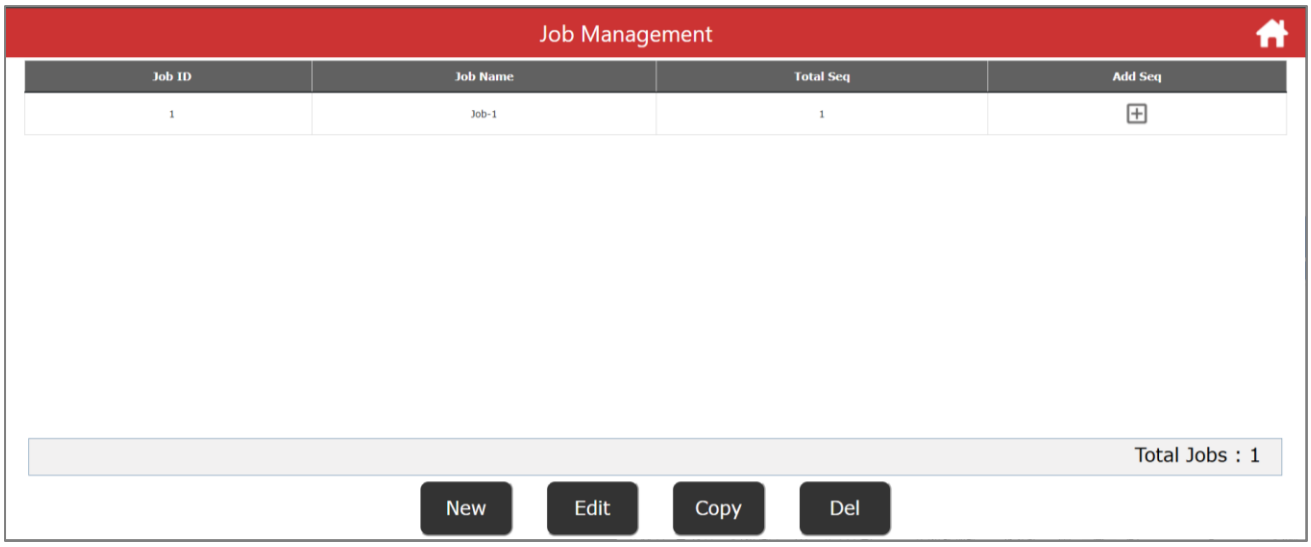
Ⓑ Selectable system interface language

Ⓒ Company and system name

Ⓓ Function operation settings

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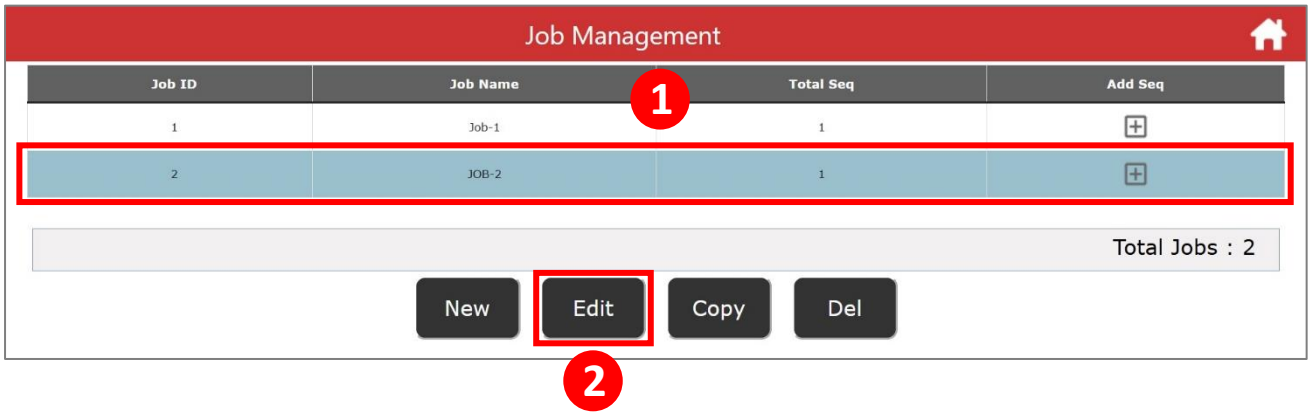
1. Job Management



- : Return to the home page.
- Add Seq [+]: Enter Normal Job-Sequence Management.
- 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.

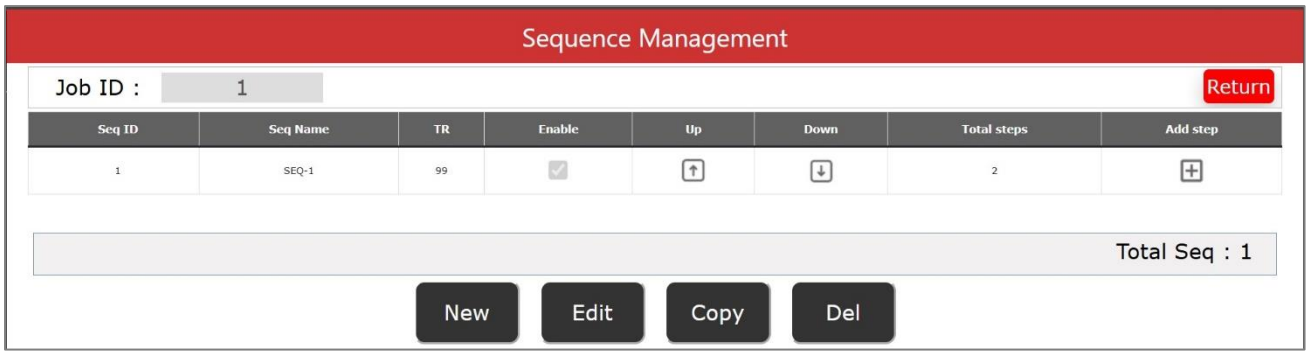
Before performing Edit, Copy, or Del, you need to click on the specified item. then you can proceed with the work.

Example: Click the item you want to edit, then press “Edit” to modify it.



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Sequence Management



Job ID: Displays current job ID.

Return: Go back to the previous page.

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

Up/Down: Sort the sequence in queue.

Add step: Enter the Step Management section and configure the parameters. (Please refer to the controller user manual)

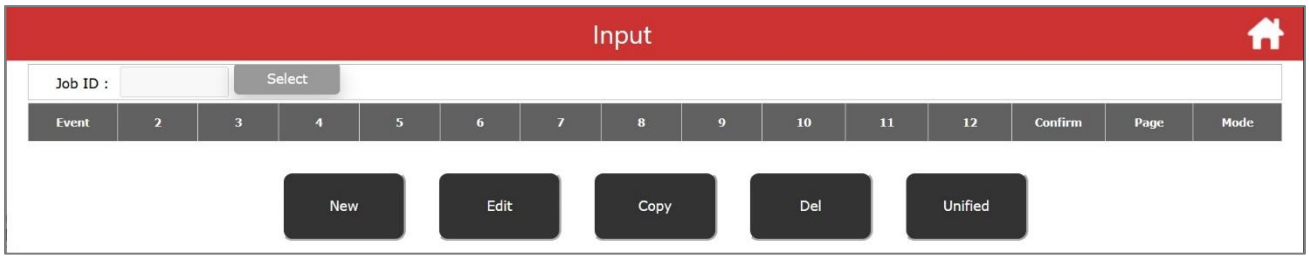
New: Click to add a new Sequence.

Edit: Edit the setting parameters of Sequence.

Copy: Copy Sequence and create a new one.

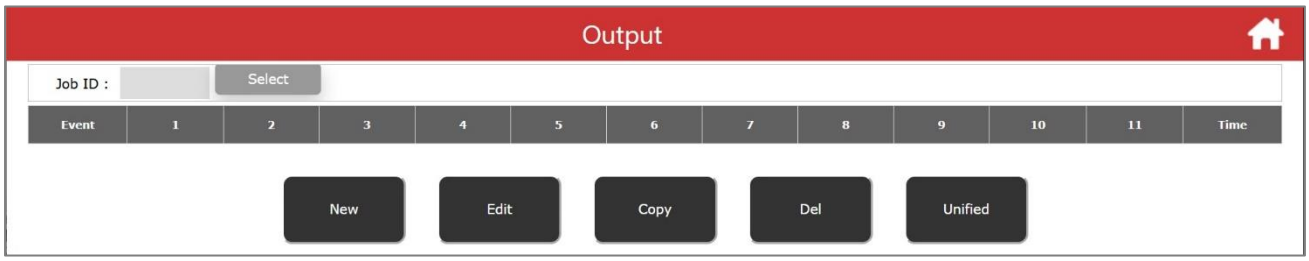
Del: Delete the specified Sequence.

2. IO Input



- Job ID: Displays current job ID.
- New: Create an event and select events and signals.
- Edit: Edit events and signals.
- Copy: Copy events and signals.
- Del: Delete events and signals.
- Unified: 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.

3. IO Output

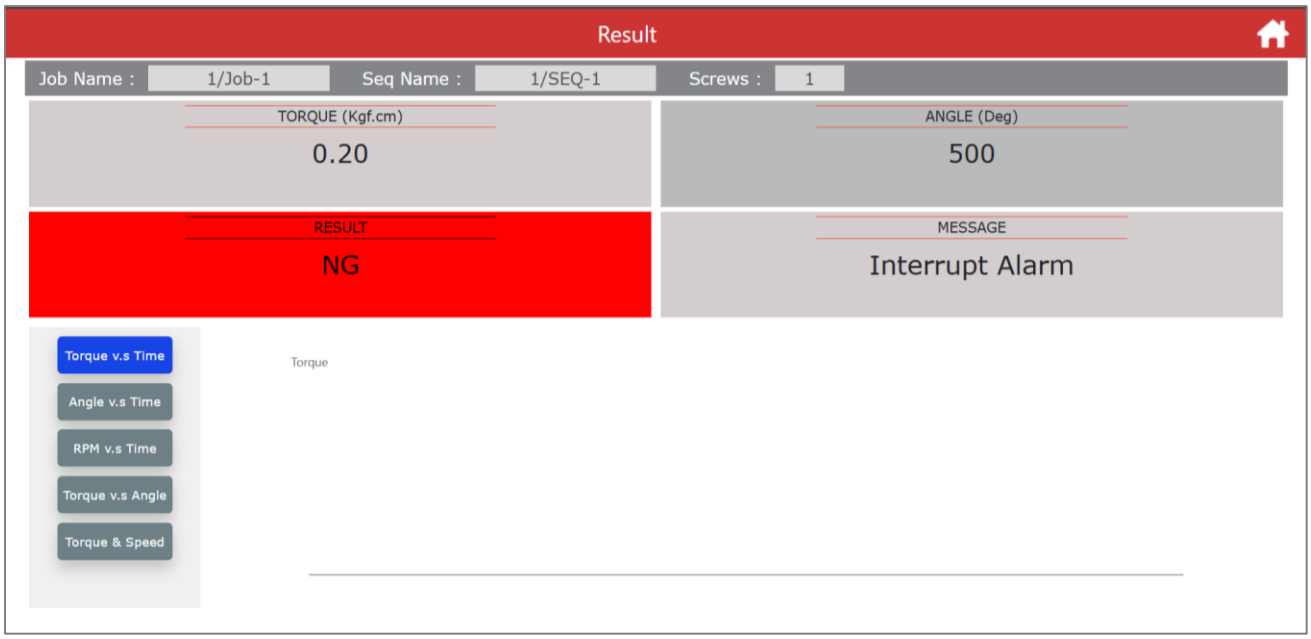


You can perform New, Edit, Copy, Delete, and Unified actions on the selected job events.

Note：For motor signal, start signal, and reverse, only one screwdriver trigger output can be selected at a time.

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4. Operation



Job Name: Displays the name of the currently executed job.

Seq Name: 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.

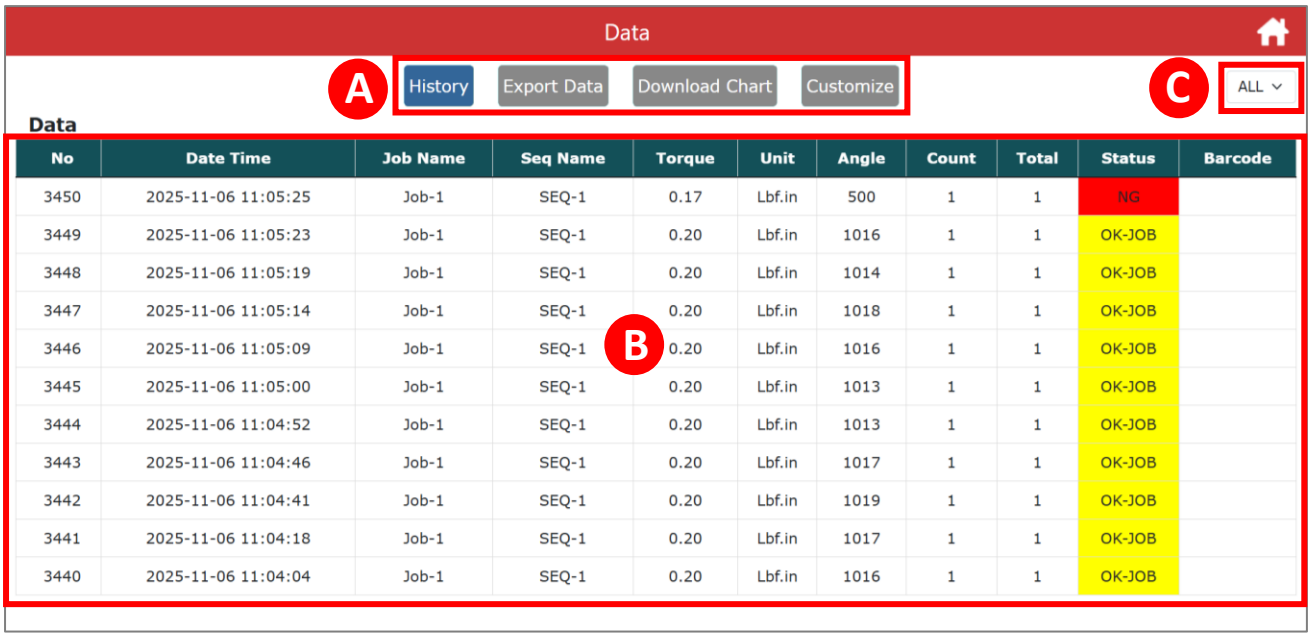
RESULT: Displays the tightening status.

MESSAGE: Displays the tightening exception and system judgment message.

Chart: The XY axis display mode can be selected.

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5. Data



No	Date Time	Job Name	Seq Name	Torque	Unit	Angle	Count	Total	Status	Barcode
3450	2025-11-06 11:05:25	Job-1	SEQ-1	0.17	Lbf.in	500	1	1	NG	
3449	2025-11-06 11:05:23	Job-1	SEQ-1	0.20	Lbf.in	1016	1	1	OK-JOB	
3448	2025-11-06 11:05:19	Job-1	SEQ-1	0.20	Lbf.in	1014	1	1	OK-JOB	
3447	2025-11-06 11:05:14	Job-1	SEQ-1	0.20	Lbf.in	1018	1	1	OK-JOB	
3446	2025-11-06 11:05:09	Job-1	SEQ-1	0.20	Lbf.in	1016	1	1	OK-JOB	
3445	2025-11-06 11:05:00	Job-1	SEQ-1	0.20	Lbf.in	1013	1	1	OK-JOB	
3444	2025-11-06 11:04:52	Job-1	SEQ-1	0.20	Lbf.in	1013	1	1	OK-JOB	
3443	2025-11-06 11:04:46	Job-1	SEQ-1	0.20	Lbf.in	1017	1	1	OK-JOB	
3442	2025-11-06 11:04:41	Job-1	SEQ-1	0.20	Lbf.in	1019	1	1	OK-JOB	
3441	2025-11-06 11:04:18	Job-1	SEQ-1	0.20	Lbf.in	1017	1	1	OK-JOB	
3440	2025-11-06 11:04:04	Job-1	SEQ-1	0.20	Lbf.in	1016	1	1	OK-JOB	

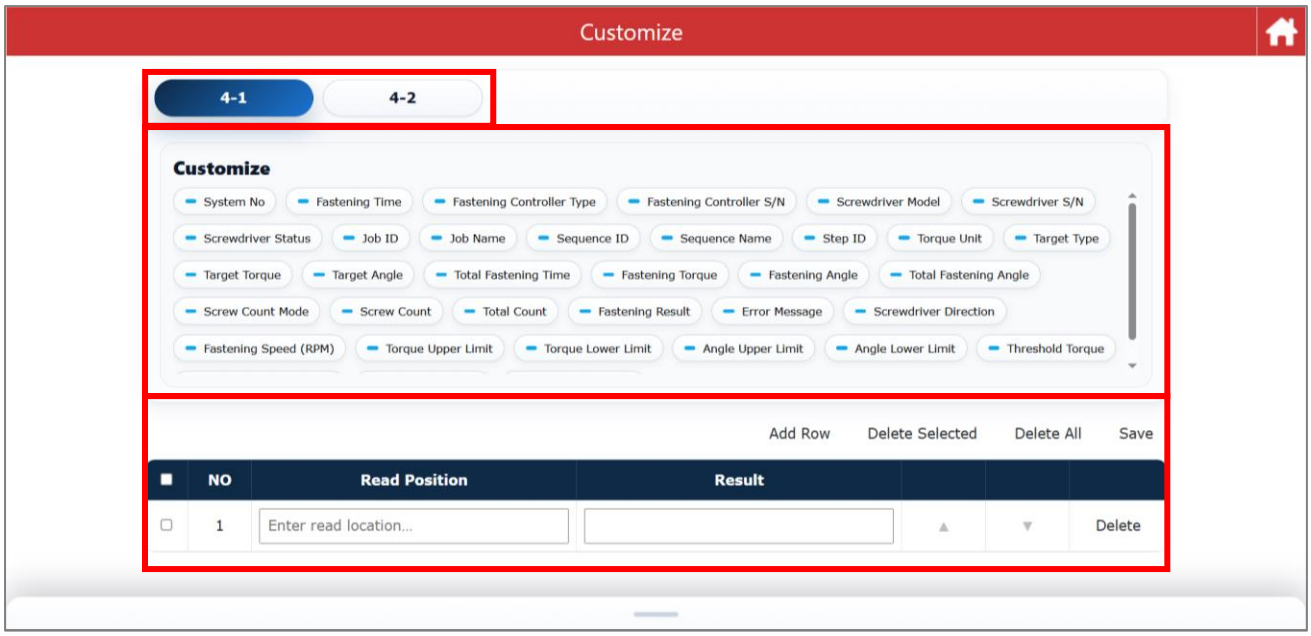
Ⓐ

- History: Historical record data is displayed below.
- Export Data: A time range and export the data (.CSV) can be selected.
- Download Chart: After downloading, you can extract the compressed file to view the original data of the tightening chart.

  The file name is “csv_bundle_YYYYMMDDHHMMSS”.

  (For example: csv_bundle_20251107135314)

➢ Customize: Define custom parameters to be monitored as needed.



Tab: Select the desired tab to access and configure the custom monitoring parameters.

Customize: Select custom parameters manually.

Custom Parameter Fields: You can Add Row, Delete Selected, adjust, and Save values for designated fields.

Ⓑ Displays the historical record data.

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

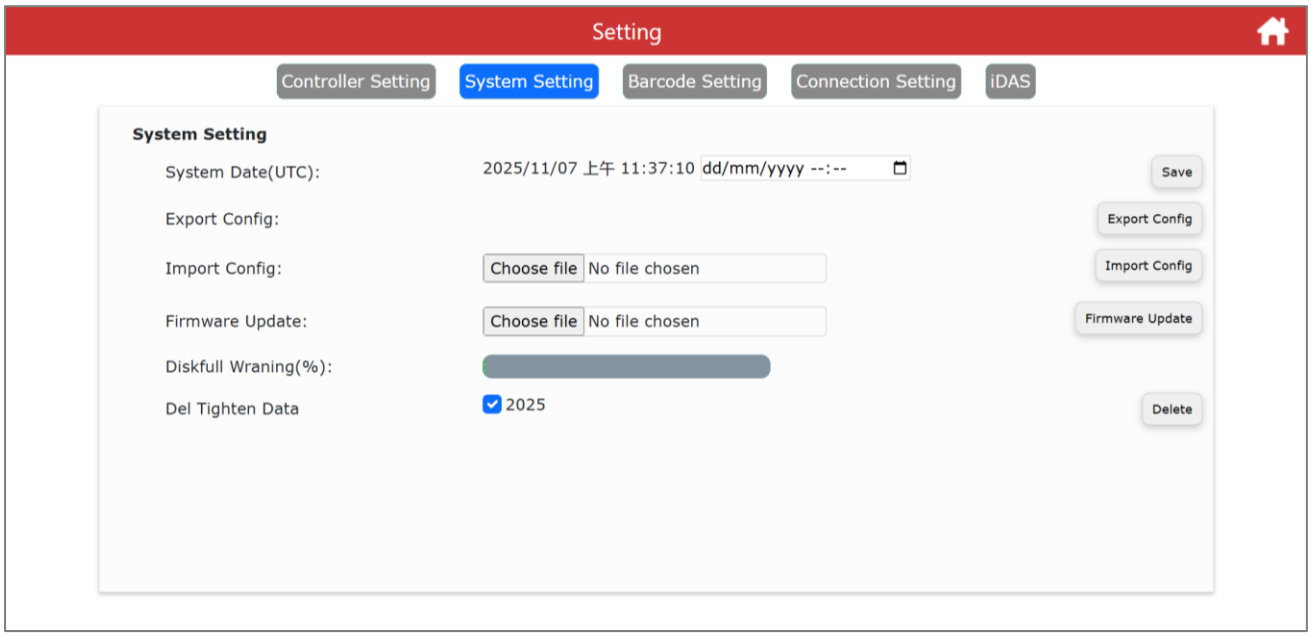
6. Tool

Displays Tool and Controller Information.

7. Setting

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

➢ System Setting:



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.

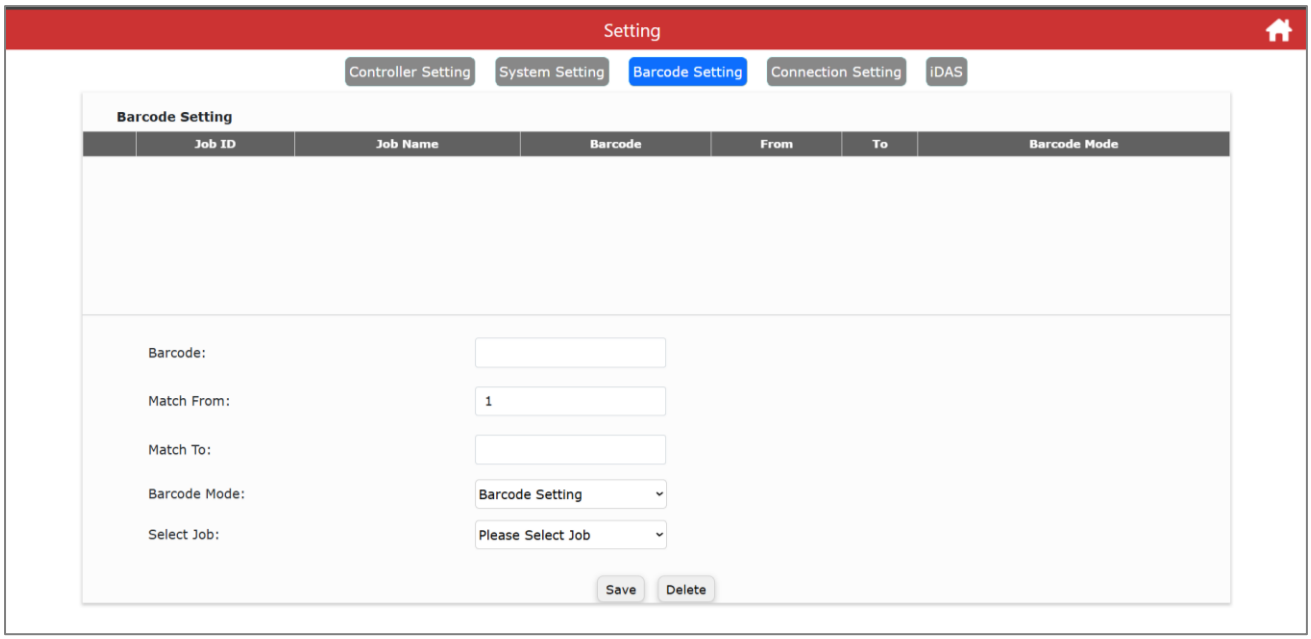
Import Config: Import tcscon.cfg.

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

Diskfull Wraning(%): Displays the current disk usage percentage of the controller.

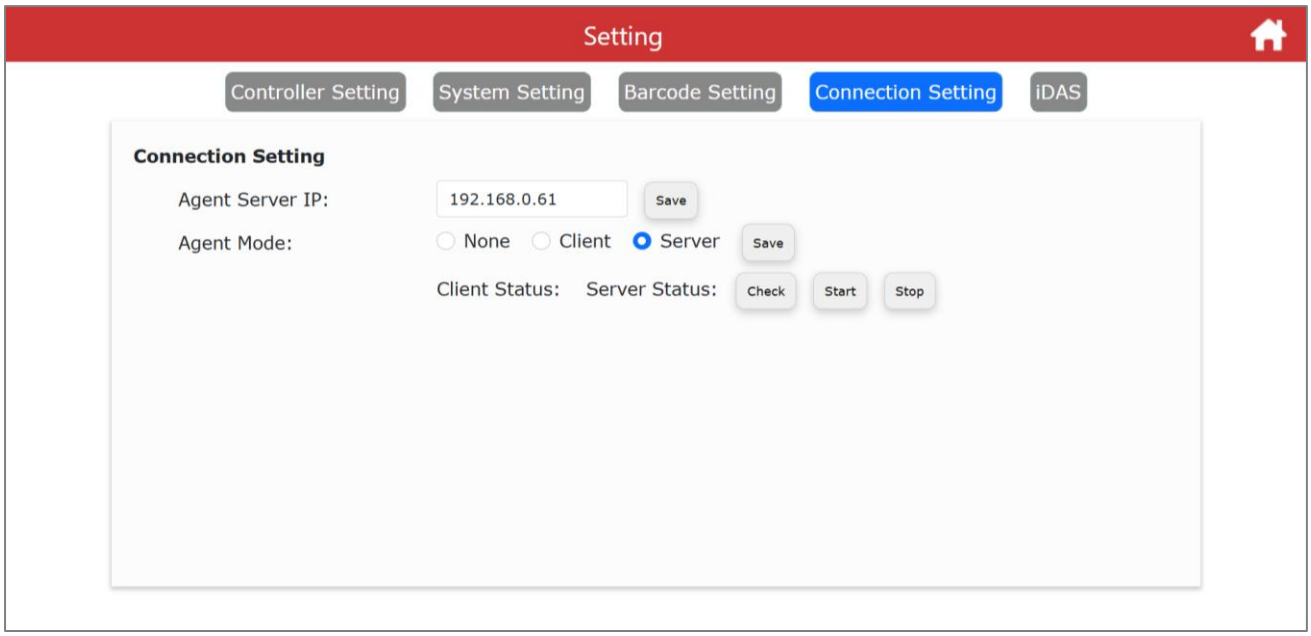
Del Tighten Data: After selecting, the existing annual database will be deleted.

➢ 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:



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

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

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

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Note:

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

➔ 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.

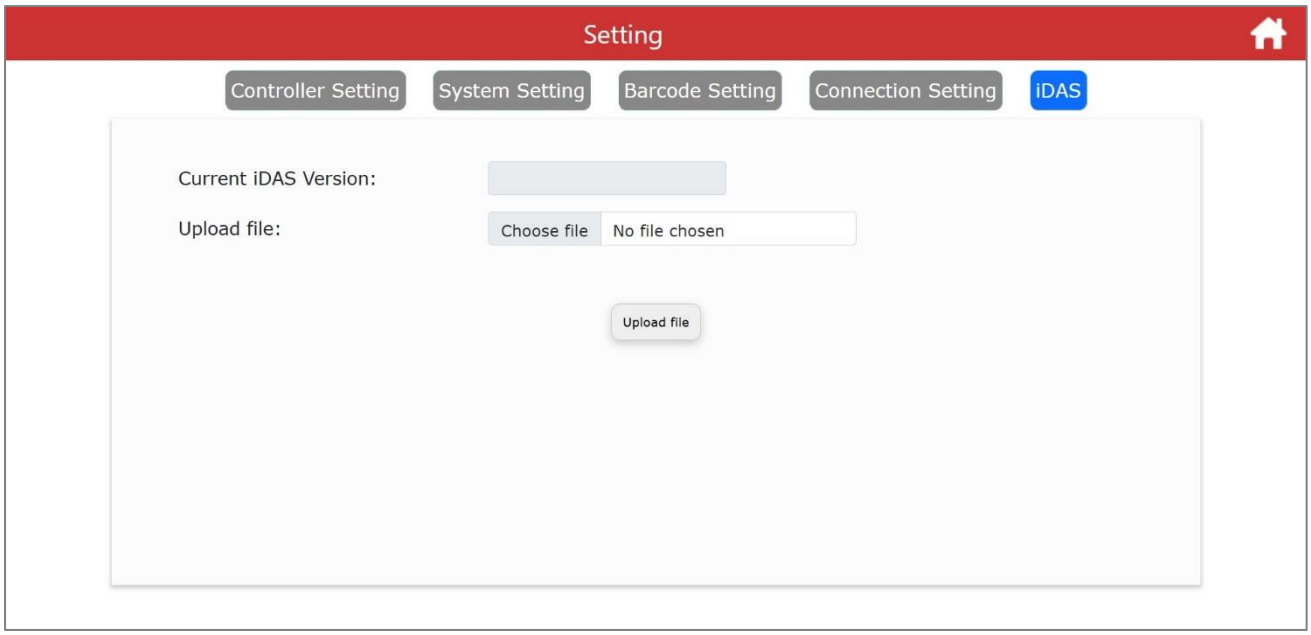
192.168.1.2 is set as Client:

➔ 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.

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

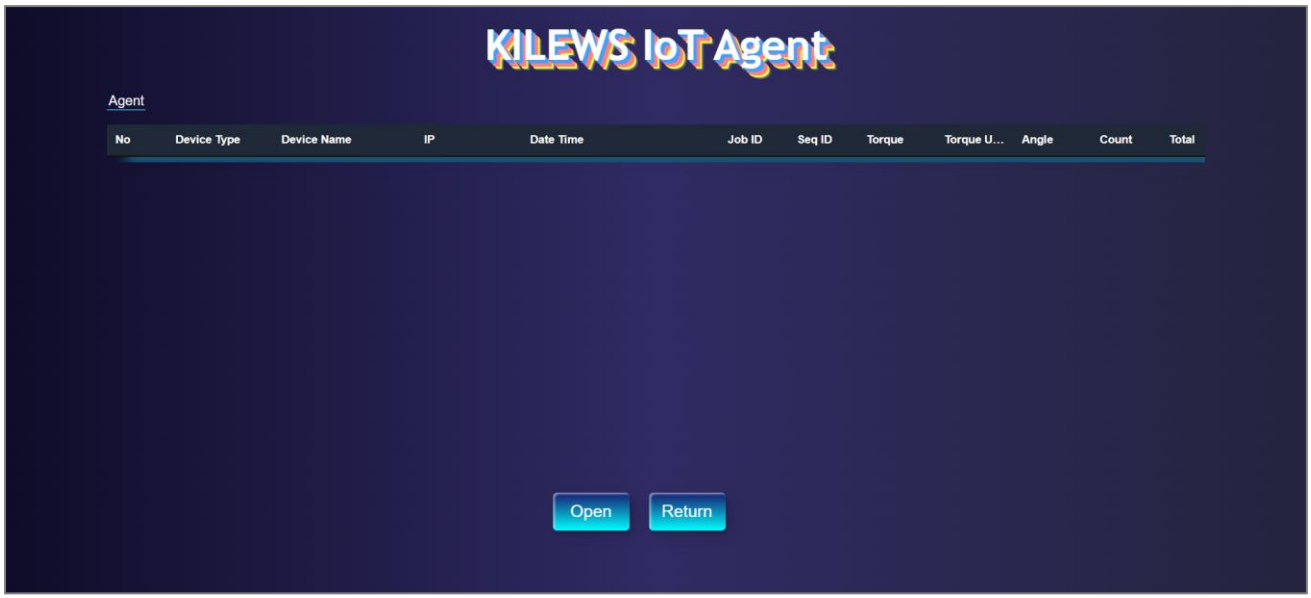
8. Command



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.

9. Agent



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.

10. Load

Load the controller setting parameters to the system.

11. 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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