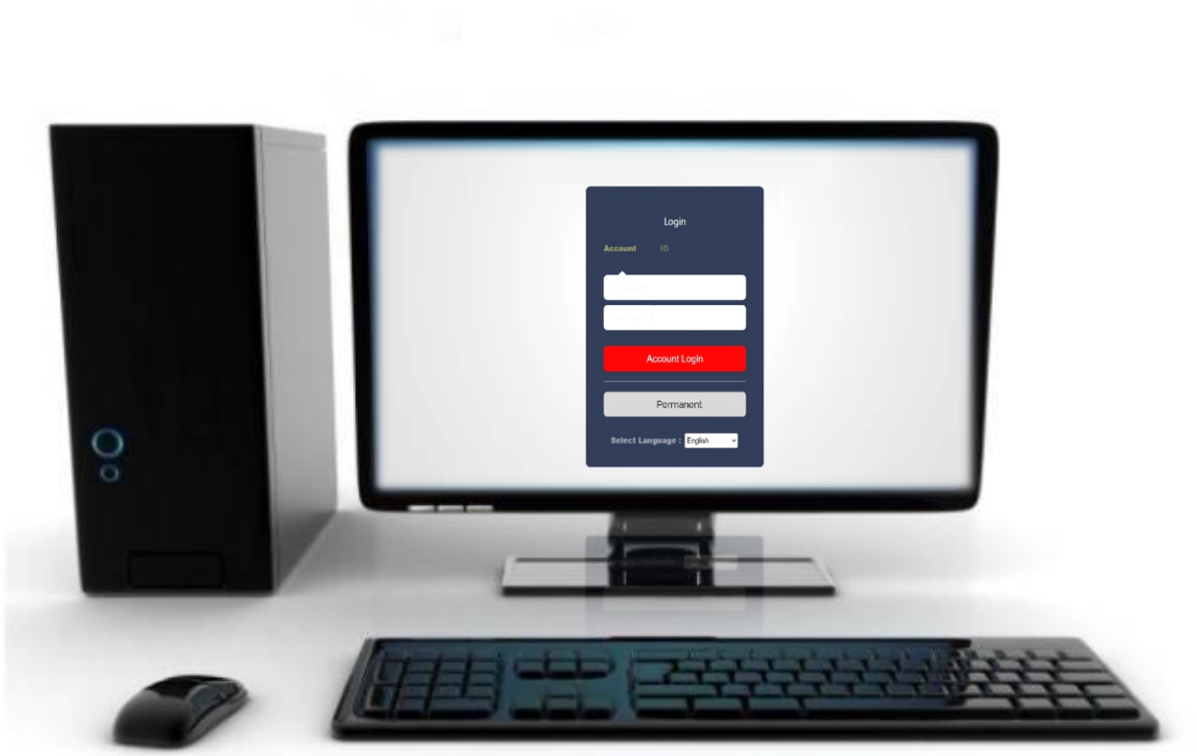
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Kilews Integrated Smart System (KISS)
User Manual Instructions



Y2F210-64-005
2026/07/07

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① User Guide

Diverse and rich operating interfaces, simple and user-friendly design enable users to understand at a glance, can be integrated with arms, electric screwdrivers, I/O modules and on-site industrial computers. And use functions such as graphic guidance, real-time monitoring and data analysis, and curve charts function, etc. It is very convenient for users.

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② System Requirements

- Windows 10、Windows 11
- Hardware memory at least 768MB/2GBHz processor
- Recommended specifications: RAM of 8GB or more, CPU of i5 or higher, and a screen resolution of 1024×768 or above.
- .NET Framework 4.0 or above must be installed

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③ Application installation

Step 1: Confirm whether the computer application has node.js and XAMPP installed. If so, please uninstall it to avoid version incompatibility. (When installing KISS, node.js and XAMPP will be automatically installed)

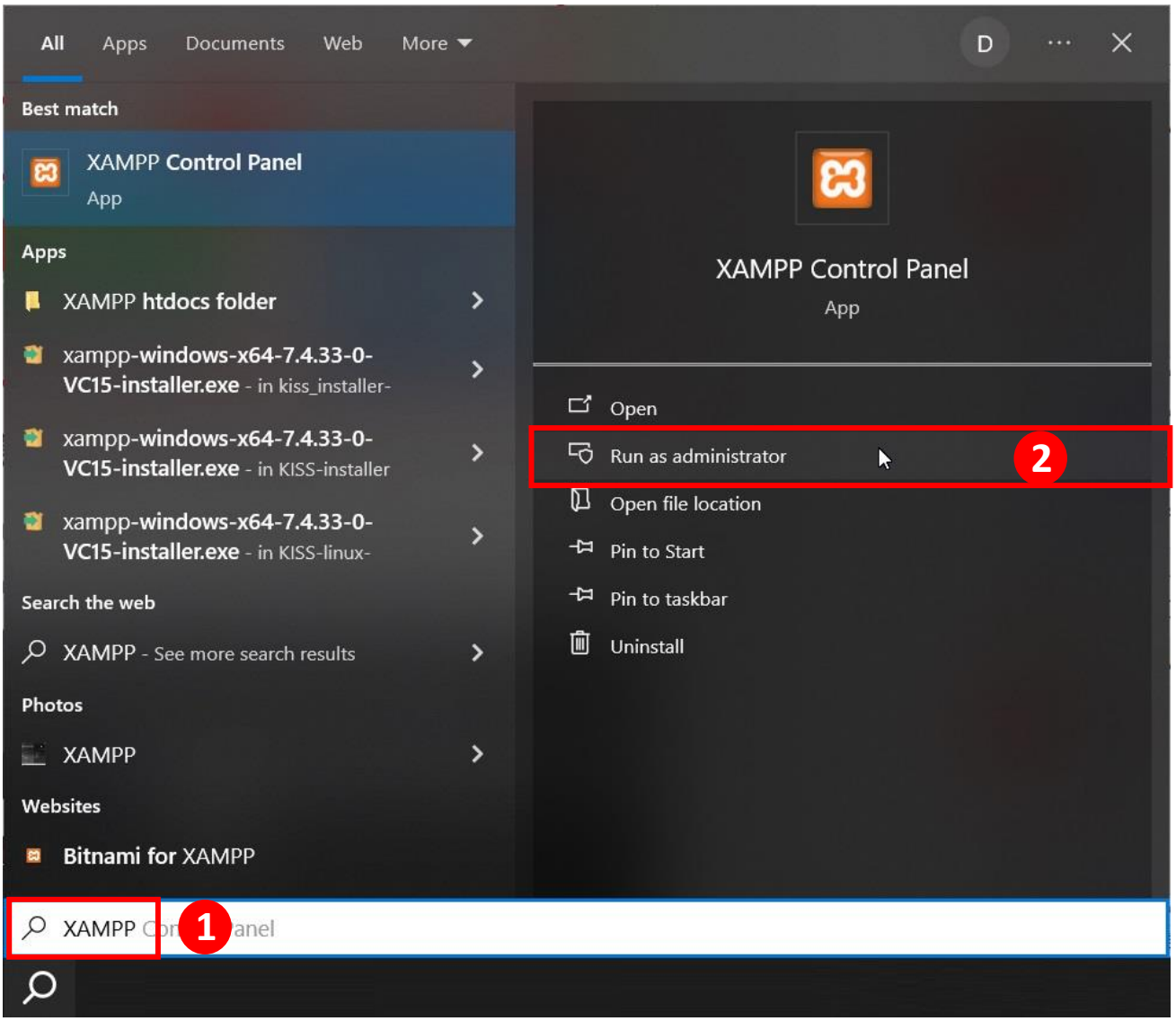
Step 2: Select the file ”setup-KISS-version number- AD year month day.bat” and right click the mouse and run as administrator.

Step 3: When the screen displays ”Press and key to continue... ”, indicating that the installation is completed.

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Step 4: Open Apache for XAMPP

1. Search and open “XAMPP” (For the first time use, please run as system administrator.)



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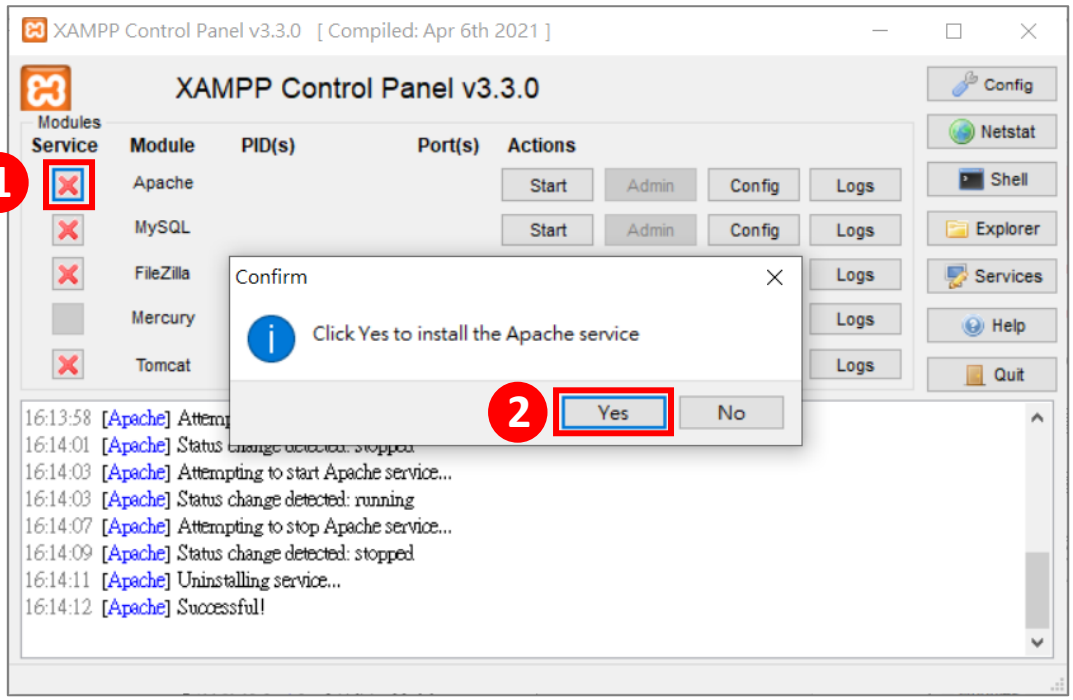
2. Open Apache Service

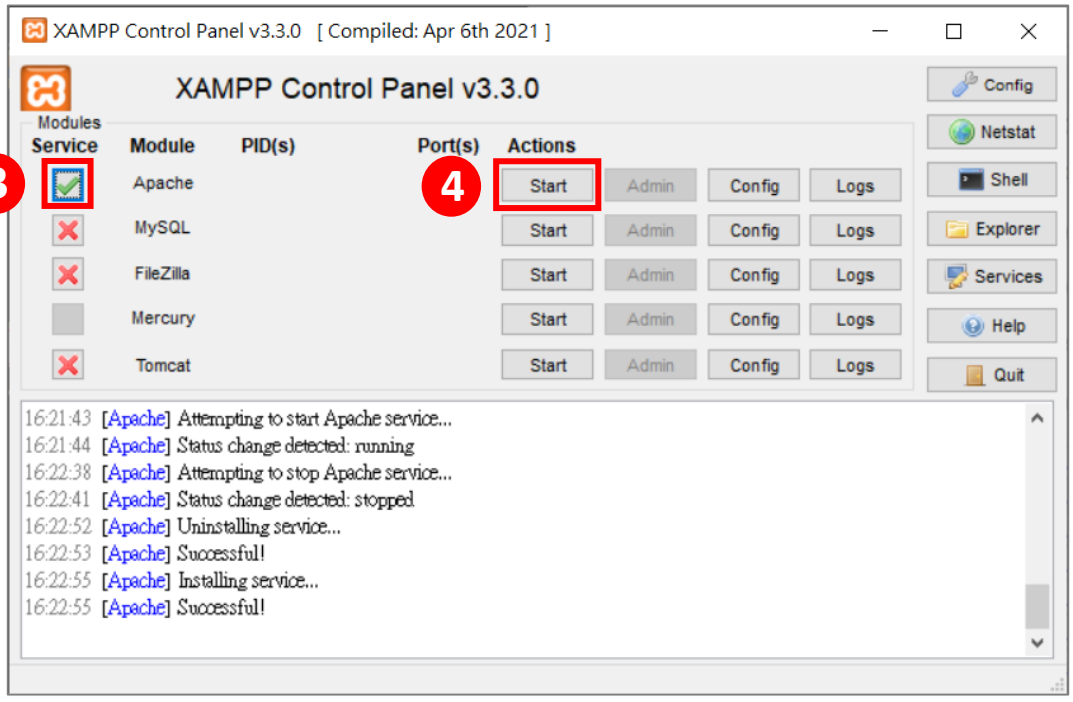
➔ Click "✗" Apache Service

➔ Click "Yes" to confirm the installation of Apache Service.

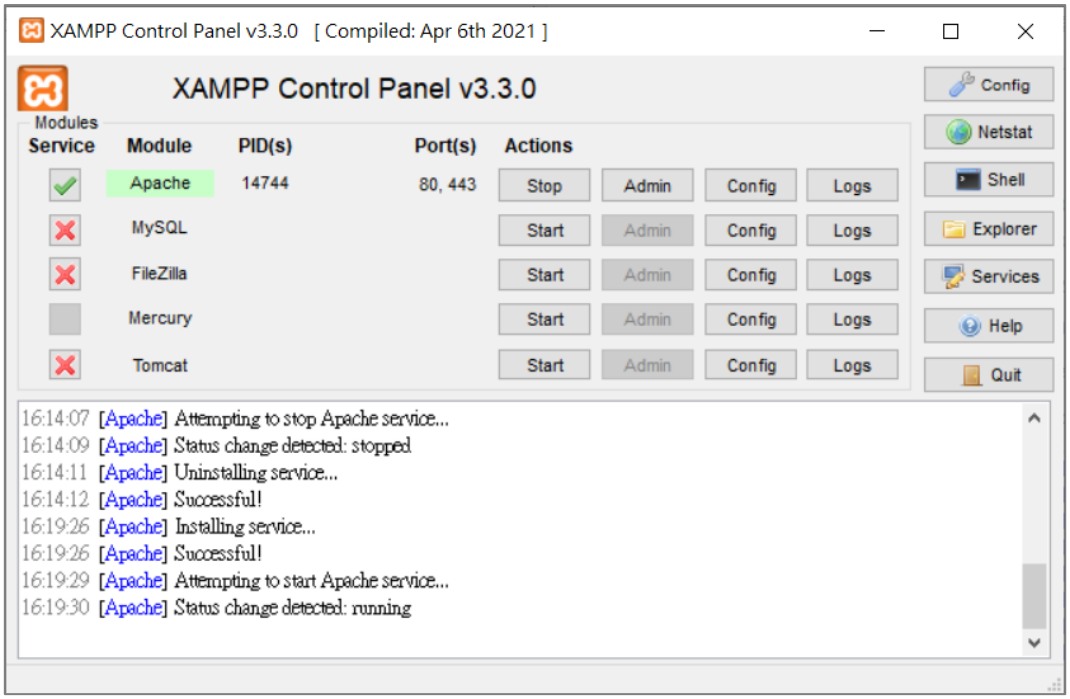
➔ The completed status is "✓" (Successful!)

➔ Click "Start"





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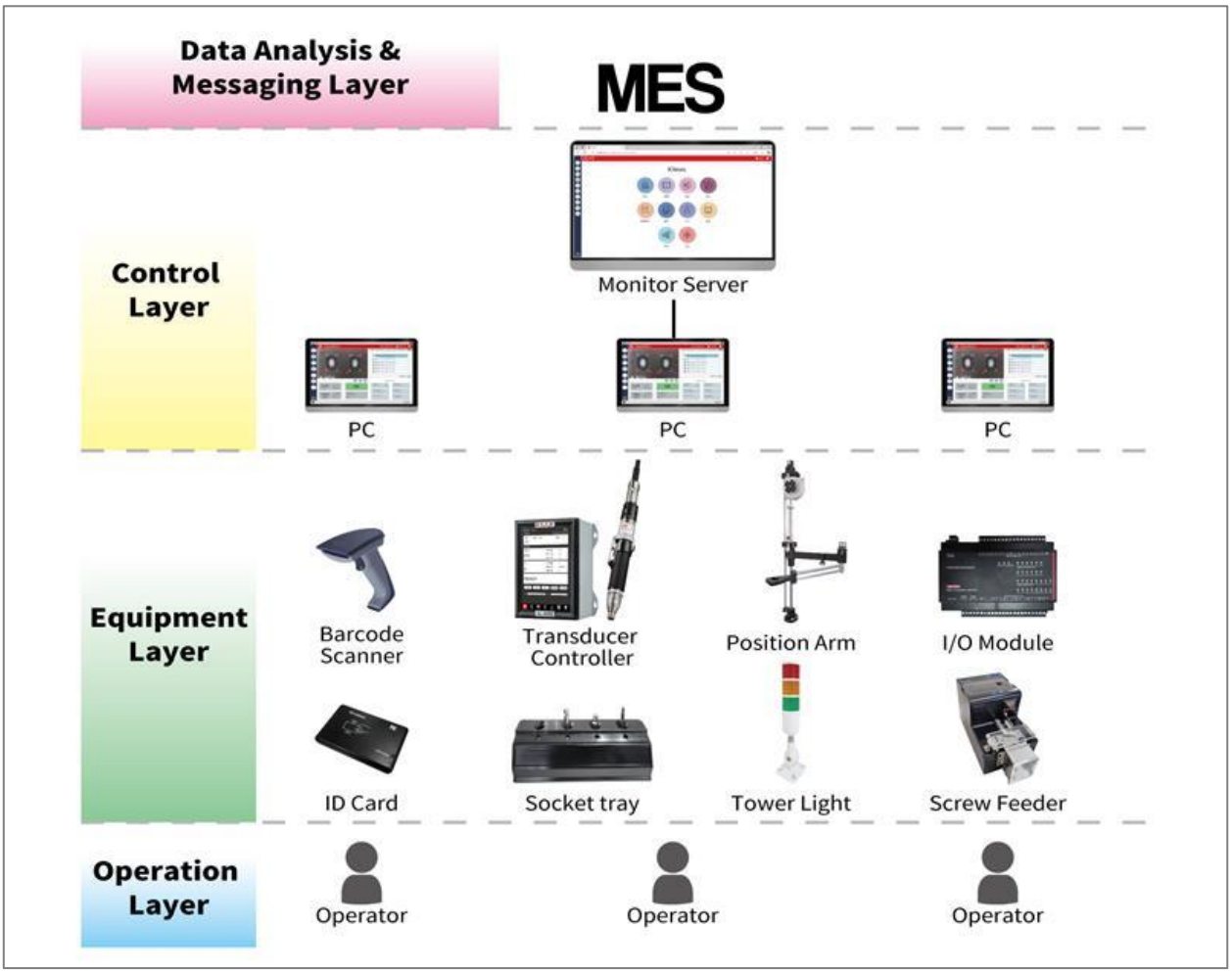
(As shown above after opening)

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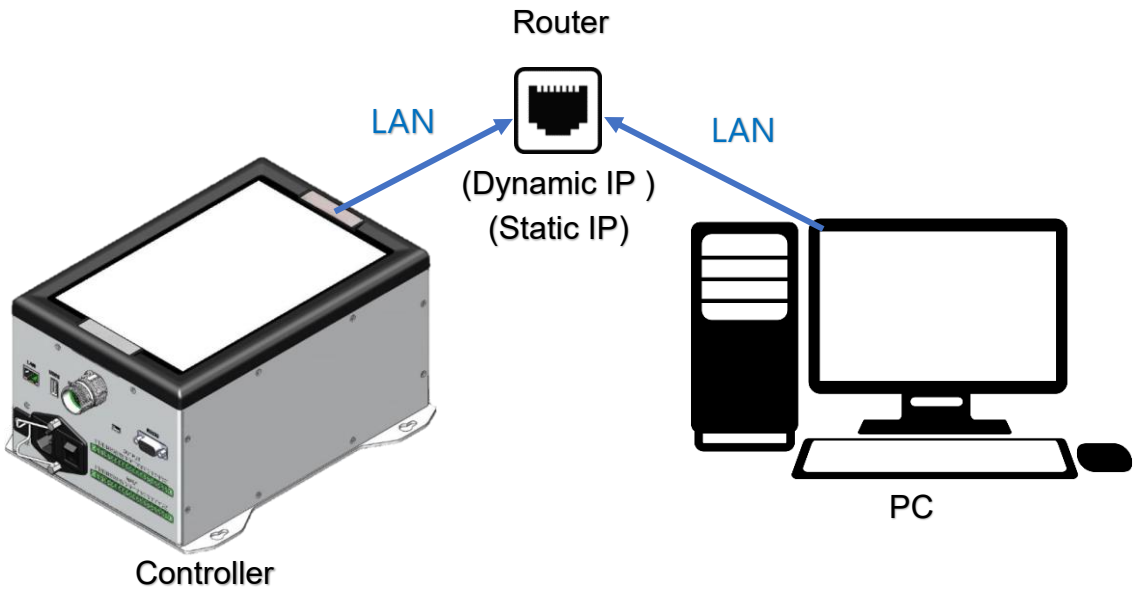
④ Hardware and network connection

1. The items that must be prepared before operating this system are as follows:

- Controller
- Electric screwdriver
- Network connection, please refer to "⑤Network connection and settings"
- For connections to other devices, please refer to the diagram below.



2. The network connection device method is as follows: (Schematic diagram)



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⑤ Network Connection and Settings

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

1. Controller network settings-LAN-Static:

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

→Turn on the controller→click "Setup".→Enter the default password: 0000

→click "Controller"→"Network Settings-Network Mode: LAN-Static".

→Set Static: "192.168.0.XXX" (Manually enter a fixed IP address.)

→Gata way: "192.168.0.1" (Assign IP via router)

→Modbus Mode, click "TCP"→"Save".

Open iDAS Service:

→System→Update→ON.

2. Computer Network Setup: Use a wired network connection.

3. Configure iDAS settings (required for first-time use).

Login and click "Setting" → "Connection Setting"

→Click "None"→Enter the Agent Server IP(same as the static IP set on the controller)→Click "Server"→"Save"

→After pressing "Start" ✓, it means it has been set. Press "Check" to display the current connection status.

After the setting is completed, return to "Home"→"Agent". If the controller IP that appears is the same as the proxy server IP, the setting is successful.

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⑥ System screen introduction

Step 1: Enter the URL in the browser "http://127.0.0.1/KISS/public/"

Step 2: Trial or permanent.

➔ Trial

After checking "①Activate", click "②Trial", and then click "OK" , "Valid date (number of valid days)" will be displayed.

➔ Permanent

Checking "①Activate" will display "②Verification Code." After sending the "②Verification code" to the dealer, a set of "③Authorization code" will be sent back. After pasting, press "④Activate" . After pressing "OK" , the verification is successful and "Permanent" is displayed.

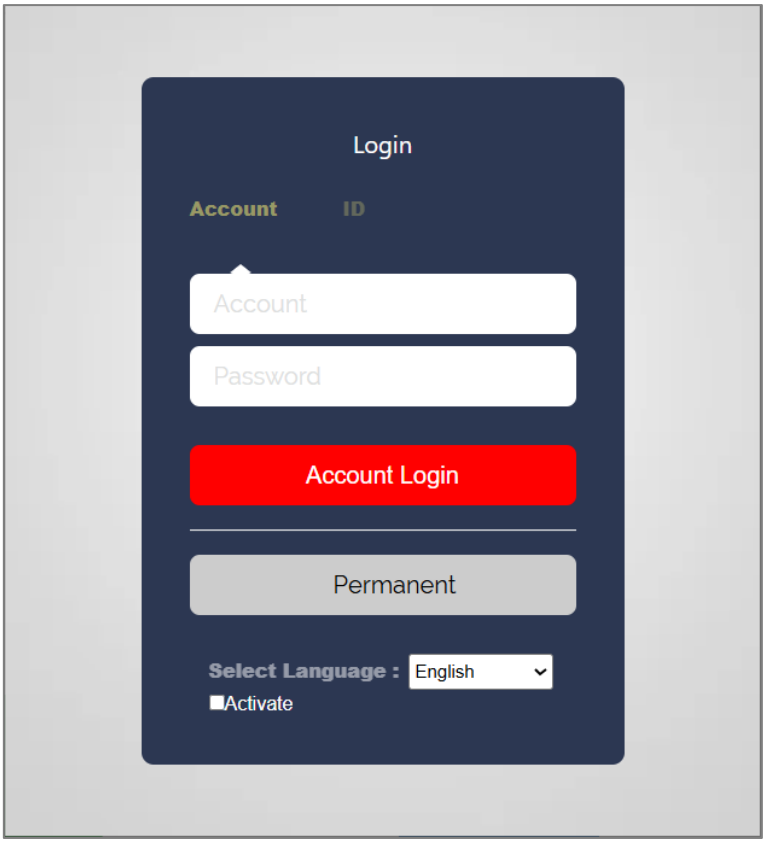
Trial



Permanent



Step 3: Login screen



- Account: Enter the default account password→account login.

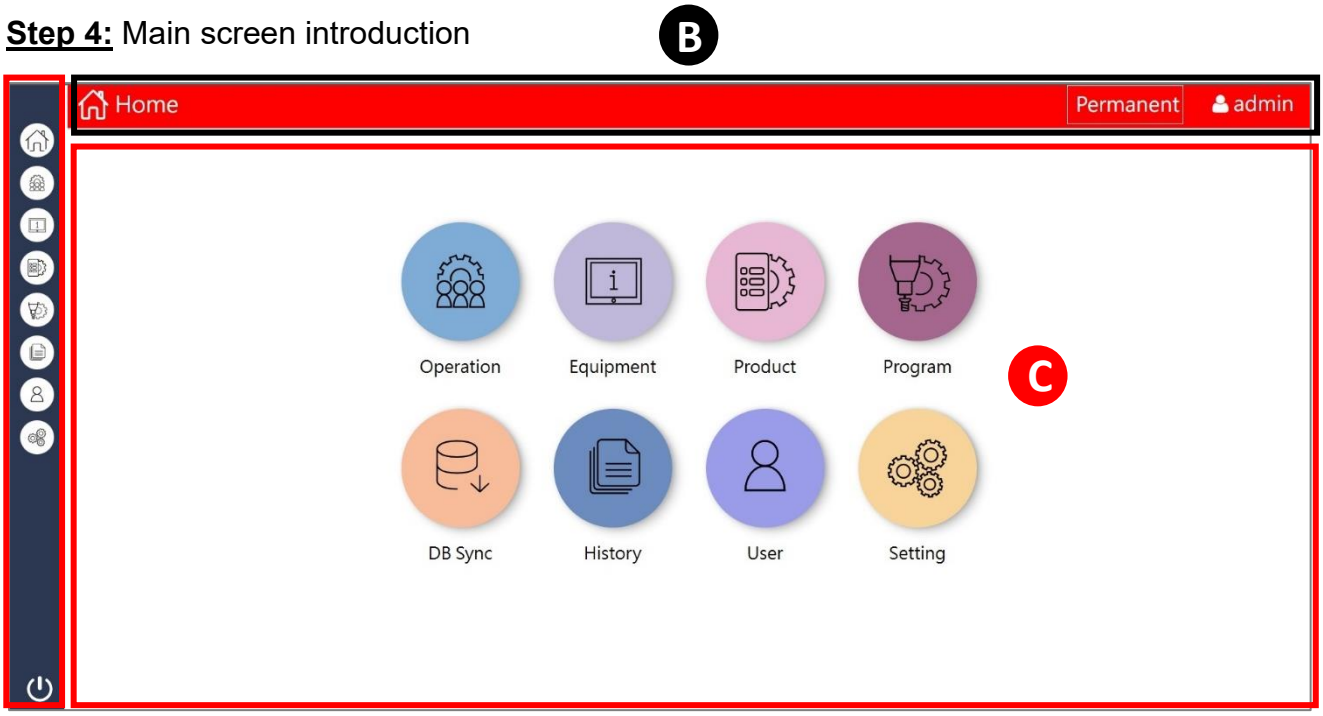
  Default account: admin

  Default password: 0000

- ID: Log in the user's “card” number.
- Select Language: Select another system language.

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Step 4: Main screen introduction



Ⓐ

Function menu: The function list that is always displayed can be quickly switched to other pages.

Logout: You can log out the logged in account.

Ⓑ

Show current page name

Authorization status (as shown in the picture, it is permanently valid)

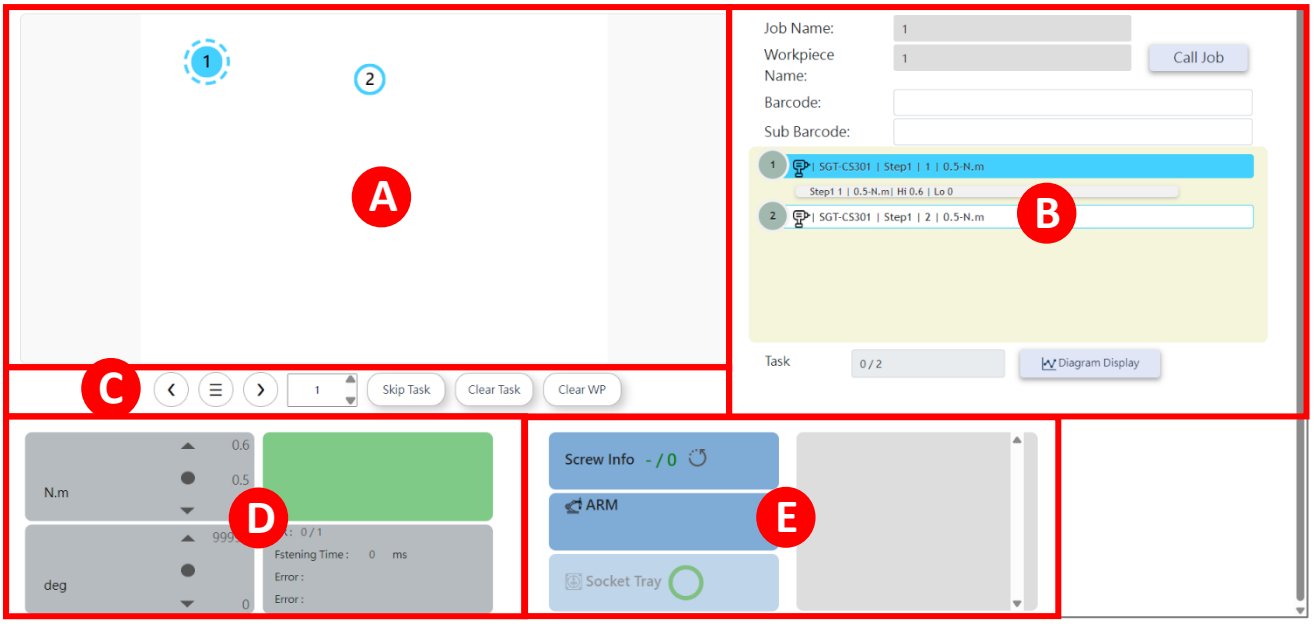
User's account name

Ⓒ Display company name and main function list.

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Main function list introduction:

1. Operation



Ⓐ Schematic diagram of tightening products (you need to upload photos by yourself)

1 Indicates selection.

1 Indicates that the tightening status is NG.

1 Indicates that the tightening status is OK.

5 Indicates that the tightening status is OK ALL.

Ⓑ

Job Name: Displays current job title.

Call Job: Specified jobs can be switched.

Workpiece Name: Display the current workpiece name.

Barcode: Barcode to start the job.

Sub Barcode: Barcode to start the workpiece.

Tightening task list: Display the Tightening information list.

Task: Current task/total number of tasks.

Diagram Display/Show Step: The display can be switched.

©

☰: Workpiece list.

〈: Switch to the previous workpiece.

〉: Switch to the next workpiece.

Skip Task: Select the designated screw to be fastened.

Clear task: Clear the current workpiece number.

Clear task-with barcode: Clear barcode and clear the screen.

Clear task-no barcode: After clearing, return to the first screw in the first workpiece.

Clear workpiece: Clear the current workpiece.

Ⓓ

Display torque

Display angle

Show tightening status (OK/NG/OKALL)

TR: Display the current number of tightening repeats/total number of tightening repeats.

Job Time: Displays the tightening time of a single screw.

Error: Display system messages.

Error: Display exception messages.

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Ⓔ

Screw info: ↻ NG status can be dismissed/cleared.

Setting 1: The screwdriver will be locked immediately upon a single tightening error (NG).

Setting 2: The screwdriver will be locked upon consecutive tightening errors. For example, the tool locks when a second consecutive error occurs, and so forth. If any tightening finishes successfully (OK), the error counter resets.

Arm: Displays the connection status and positioning position. If there is a connection, it will be dark blue, and if it is not connected, it will be light blue.

(Correct position-yellow characters on a green background,

wrong position-yellow characters on a red background)

Socket tray: Displays the connection status and socket tray number. If it is connected, it will be dark blue. If it is not connected, it will be light blue.

Example: Select Socket tray No. 1 (displayed as ①)

① Green indicates that the status has been obtained.

① Red indicates the unobtained status.

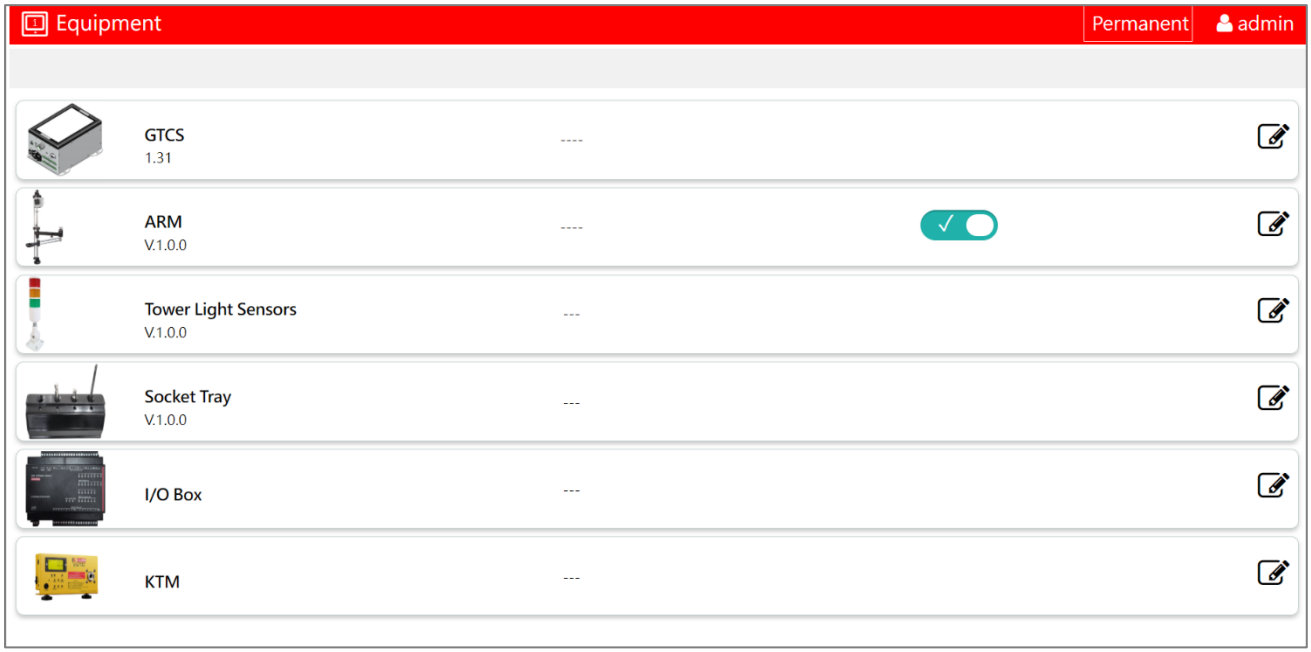
Tightening time and status: Display the current tightening time and status, and device connection status.

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2. Equipment

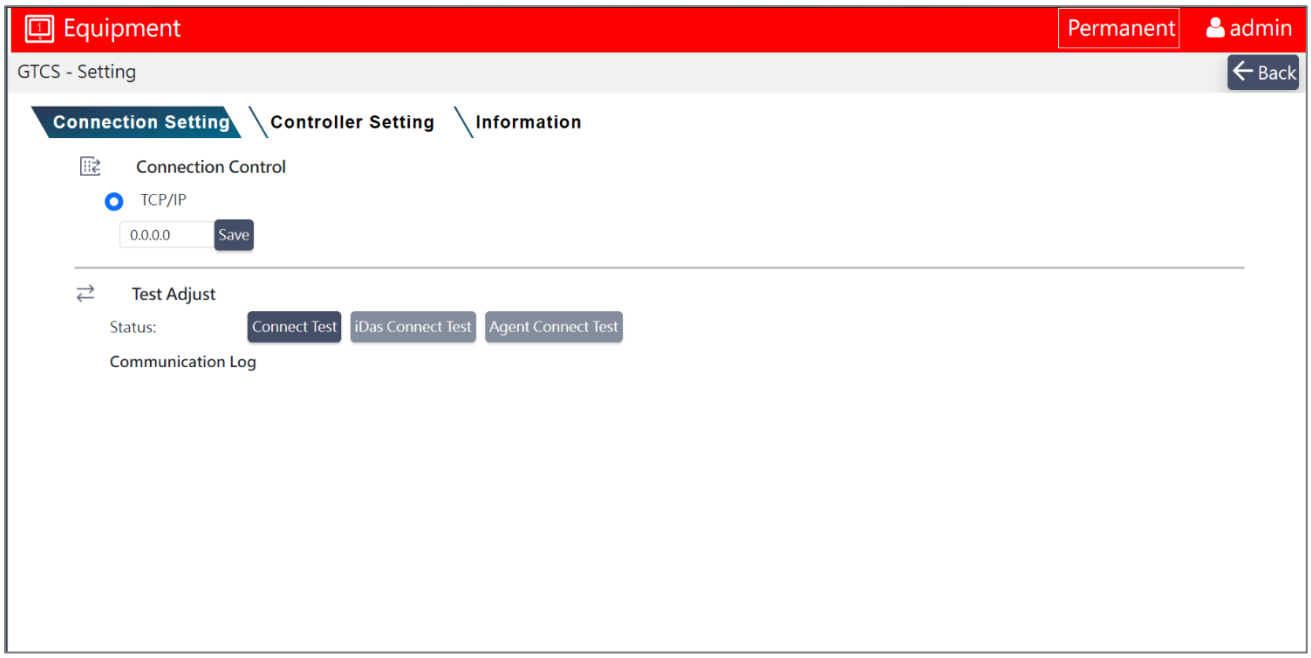
Click the edit icon “ ”. Devices can be connected to this system.

After entering each device page, you can press “←Back” to return to the previous page.



(1) GTCS

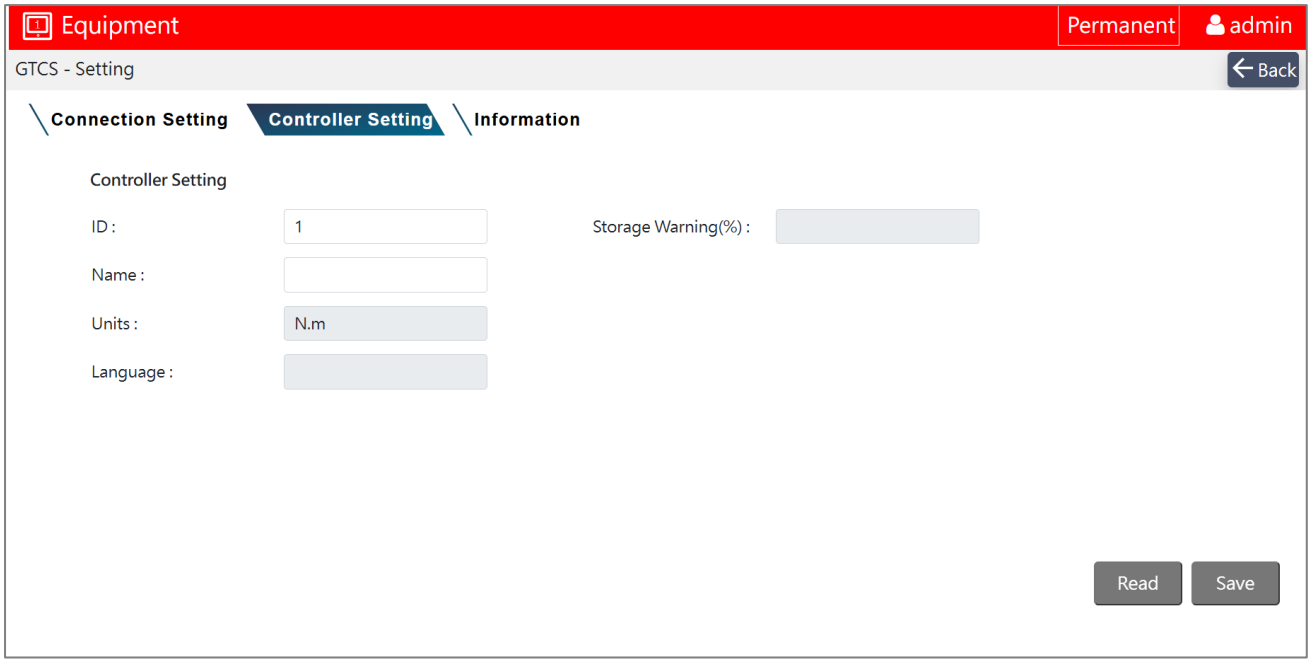
- Connection Setting



Connection control: After setting the controller IP, parameter settings can be synchronized.

Test adjust: Click “Connect Test”→status display “Online”, “connect success” Confirm successful connection, “connect fail” indicates not connected.

- Controller Setting



ID: Controller ID can be set.

Name: The character range can be 1-100, including half-width alphanumeric characters, spaces, and special symbols.

Unit: Display Unit.

Language: Display controller language.

Storage Warning(%): Displays disk usage.

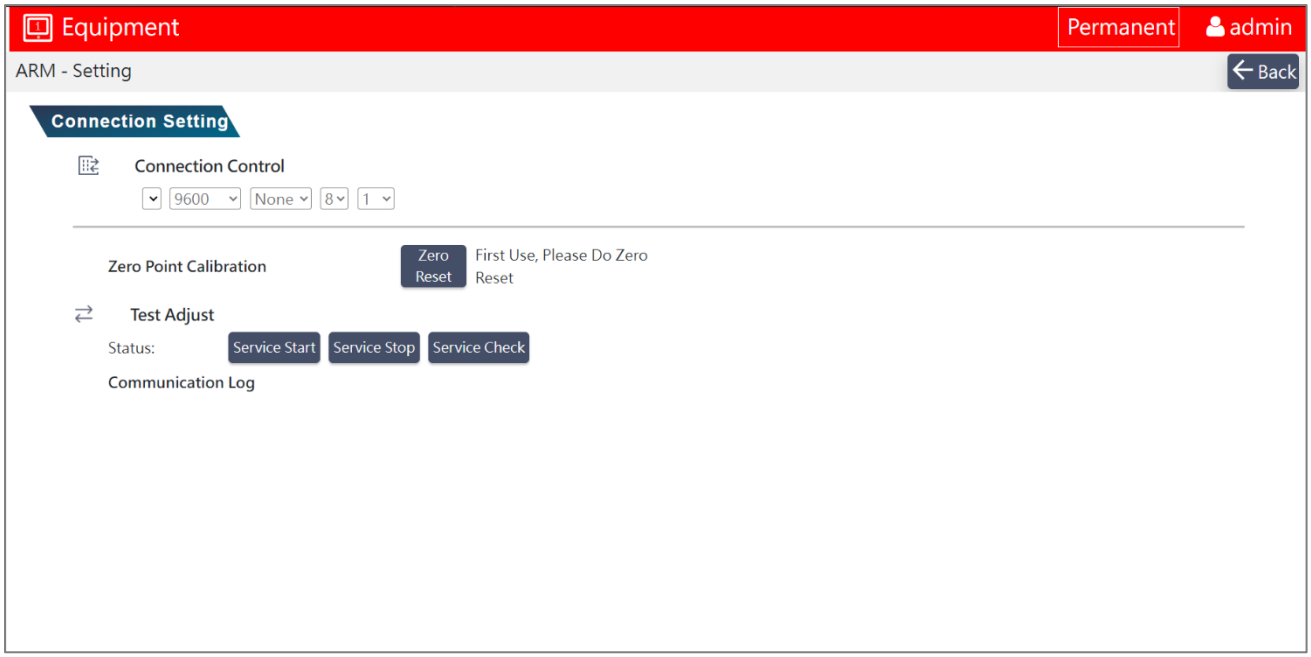
Read: Read controller data only.

Save: After changing the ID and name, press Save.

- Information: Displays tool and controller information.

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(2)Arm



Connection control: Select COM PORT (according to the port where the computer display device is connected). The communication settings are the default values and do not need to be modified.

Zero point calibration-Zero reset: Set the starting point of the arm.

NOTE: For the first-time setup: With the arm folded, press “Zero Reset” to set the position as (0,0). No need to repeat this step for future connections.

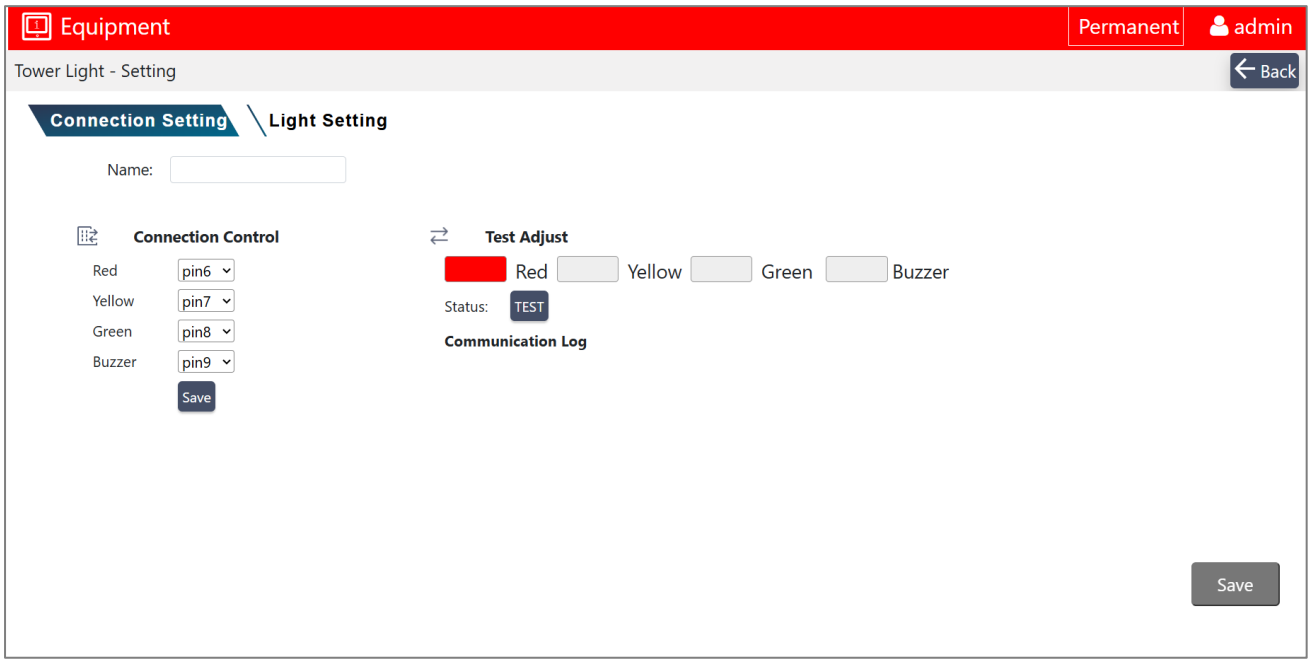
Test adjust -Service Start: Enable this function after service check. (Status: Online)

Test adjust-Service Stop: Stop this function. (Status: Offline)

Test adjust-Service Check: Before connecting to the COM PORT, please confirm the connection status.

(3) Tower Light Sensors

- Connection Setting



Name: You can set 1-100 characters, half-width letters and numbers, spaces, and special symbols.

Connection control: According to the preset IO Pin positions of the Tower Light, you can set them yourself.

Test adjust: After the connection is successful, you can test whether the lights and buzzers are working properly.

Status: Test the communication status, Click “TEST”→”connect success” indicates successful connection, “connect fail” indicates failure to connect.

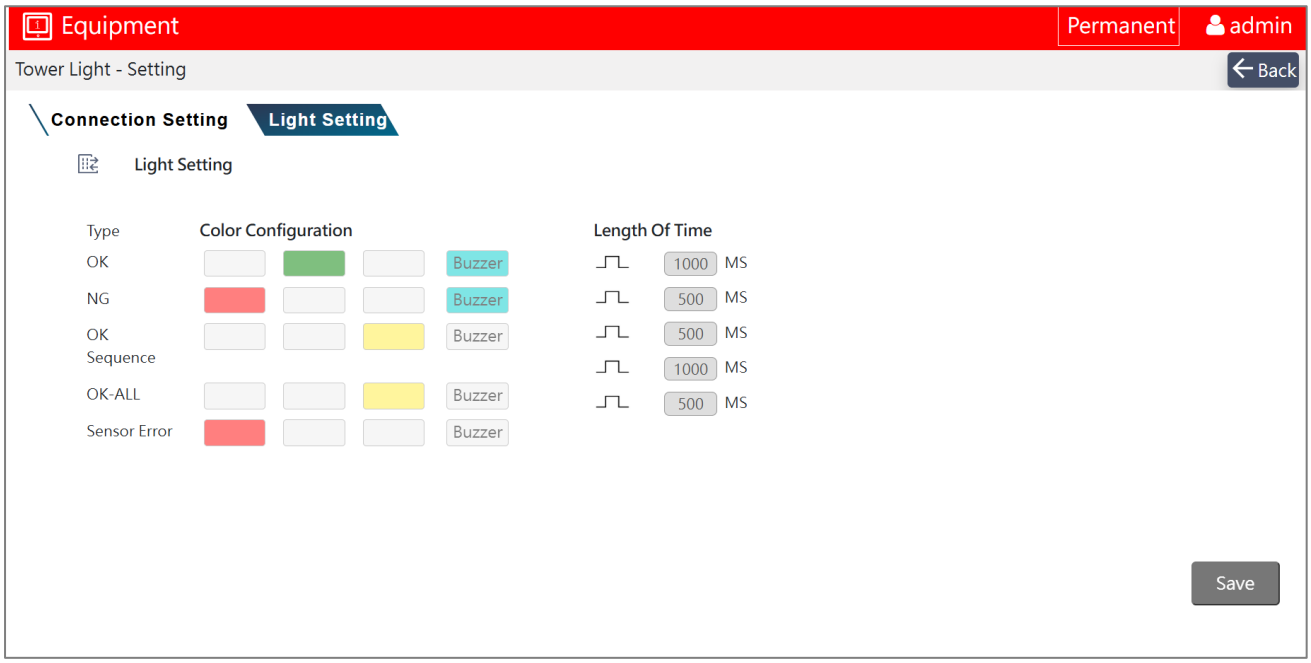
Save: After setting is completed, press Save.

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- Light Setting

You need to first go to Setting→Operation Setting→turn on Tower Light Setting and Buzzer Setting.

Color Configuration with tightening status setting, whether to turn on the buzzer, length of time (milliseconds is the constant light time), After completing the settings, press Save.



(4) Socket tray selector



Connection Setting: This feature has no open settings yet.

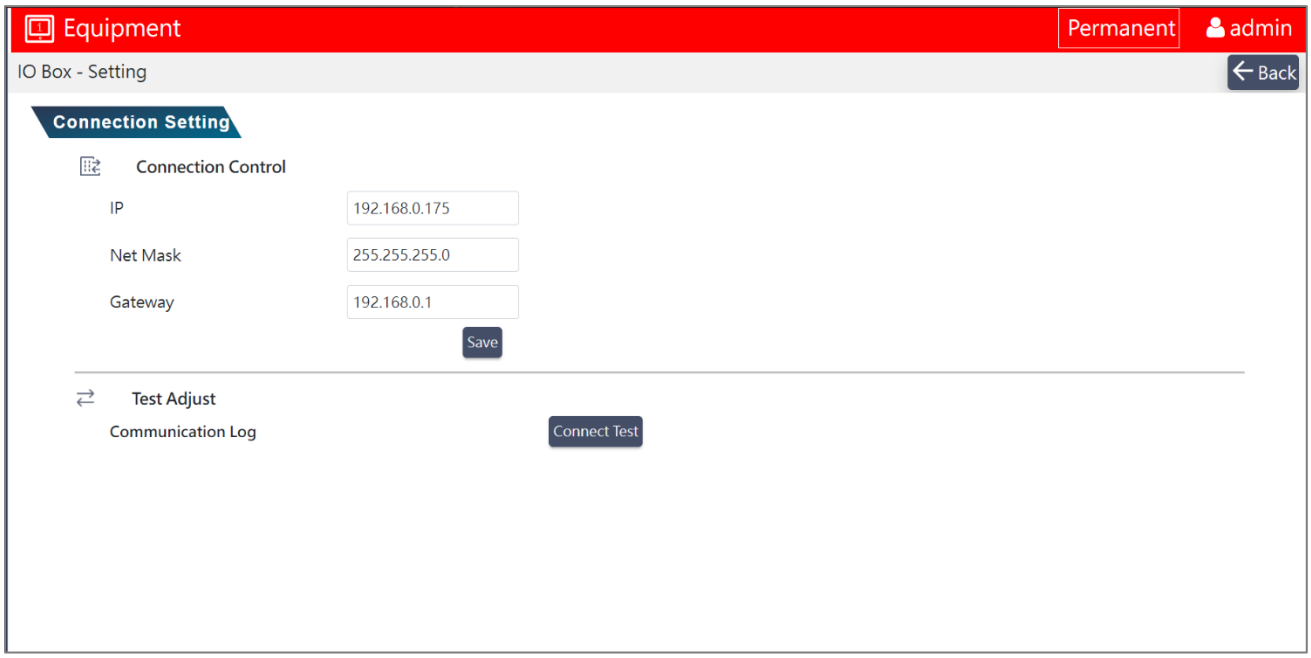
Test adjust: You can set the socket tray number and press SET, the status display “connect success” confirms that the connection is successful, and “connect fail” indicates that the connection is not successful.

Save: After setting is completed, press Save.

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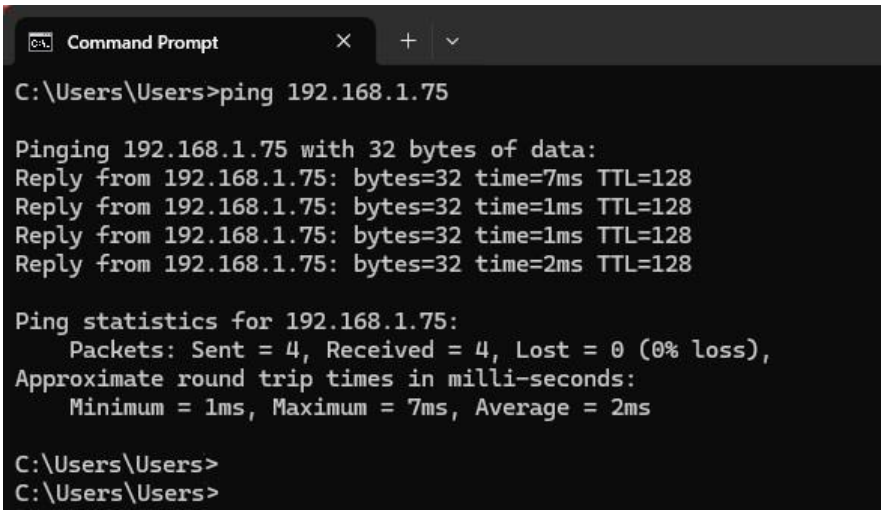
(5) IO BOX

Enter the IO IP and press Save to connect.

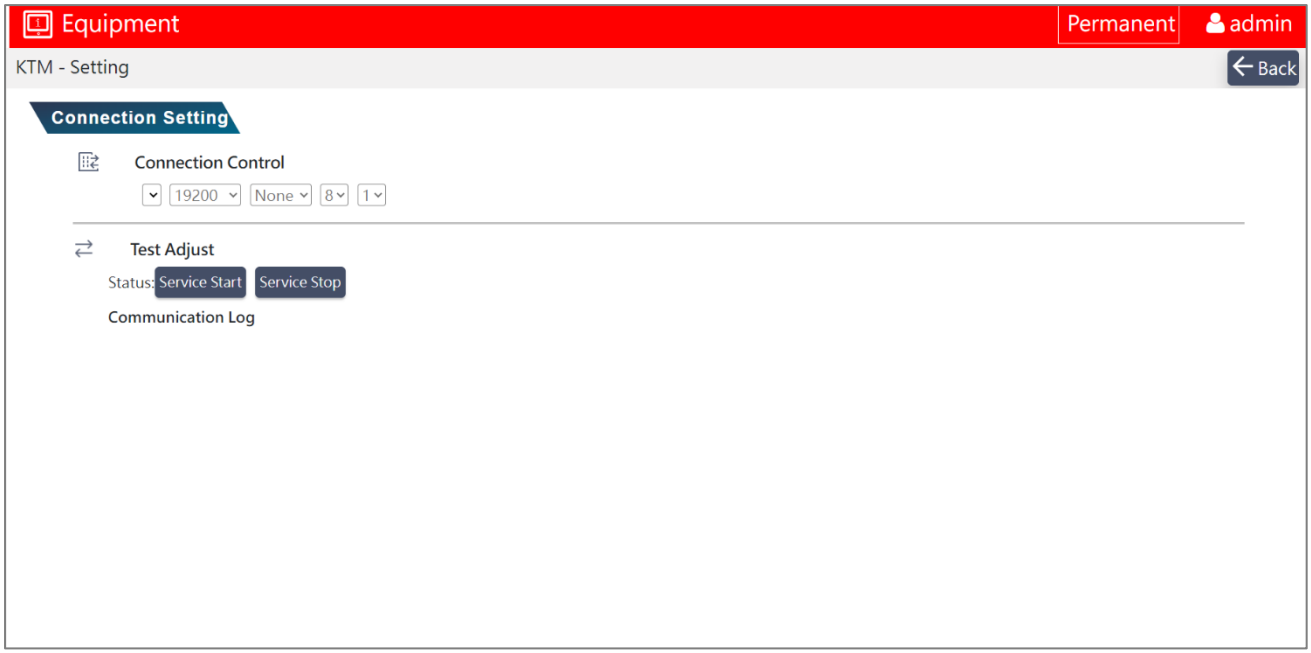


Test adjust: You can set the socket tray number and press SET, the status display “connect success” confirms that the connection is successful, and “connect fail” indicates that the connection is not successful.

Confirm whether the connection is successful (the following figure shows that it is connected) Search for the CMD command prompt in Windows→enter the ping and IP address of IO. (The example below is ping 192.168.1.75)→Press Enter



(6) KTM



Connection control: Select COM PORT (according to the port where the computer display device is connected). The communication settings are the default values and do not need to be modified.

Test adjust -Service Start: Enable this function after service check. (Status: Online)

Test adjust-Service Stop: Stop this function. (Status: Offline)

3. Product

➢ Job



Barcode: 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.

Setting: Change barcode settings.

Program: Please refer to Section “4.Program”.

Add Job: Click to add a new job.

Controller Type: Select the corresponding controller.

Job ID: Displays the current job ID.

Job Name: You can set the job name, which may include half-width alphanumeric characters, spaces, diacritical marks, and specific symbols.

Barcode Start: The job/workpiece can be switched by scanning the barcode.

Barcode Start-Job Start: After turning it on, you can scan the code to switch job.

Barcode Start-Job Workpiece Start: After opening, you can scan the code to switch jobs and workpiece, you can scan any workpiece barcode. After the workpiece is finished, the screwdriver cannot be started and the barcode of any workpiece can be scanned (not repeated).

Job Repeat: Set whether to repeat a job procedure.

Job Repeat-ON: Only appears in call JOB, You can return to the first screw position after tightening. After the tightening payment is completed, the product can be repeated.

Job Repeat-OFF: After the tightening is completed, the screwdriver will be prohibited from starting and the screen will stop at the last screw position.

OK Job: (Please refer to the controller manual)

Rev. Button(CCW/Disable): (Please refer to the controller manual)

Reverse RPM: (Please refer to the controller manual)

Reverse Force (%): (Please refer to the controller manual)

Reverse Count: (Please refer to the controller manual)

Rev.Threshold Tor: (Please refer to the controller manual)

Rev.Threshold Angle: (Please refer to the controller manual)

Size: The screw process points show the size.

Choose File: Select a product photo.

Save: After setting, press Save.

Cancel: Cancel this setting.

Copy: A job can be copied and a new job created.

Edit: Editable job settings.

Delete: Delete the specified job.

More Info: Displays the parameter settings.

Detail: Display controller settings.

Add Workpiece: Enter the workpiece settings.

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➢ Workpiece



Job ID: Displays the current job ID.

Job Name: Show current job name.

Workpiece Count: Displays the total workpiece quantity.

Add Workpiece: Click to add a new workpiece.

Workpiece ID: Displays the current workpiece number.

Workpiece Name: You can set the workpiece name, which may include half-width alphanumeric characters, spaces, diacritical marks, and specific symbols.

Barcode Enable: Open the barcode start-dual barcode start of the job.

Workpiece Barcode: Scan the barcode to display the area immediately. You can set 1-100 characters, Half-width alphanumeric characters, spaces, umlaut characters, and special symbols.

Add Picture: You can add and adjust product tightening pictures.

Stop On NG : (Please refer to the controller manual)

Workpiece OK : (Please refer to the controller manual)

Timeout: Waiting time in seconds.(Please refer to the controller manual)

Save: After setting, pr Workpiece ess Save.

Cancel: Cancel this setting.

Copy: You can copy a workpiece and create a new one.

Edit: The setting parameters of the workpiece can be edited.

Delete: Delete the specified workpiece.

Back: Return to the previous page.

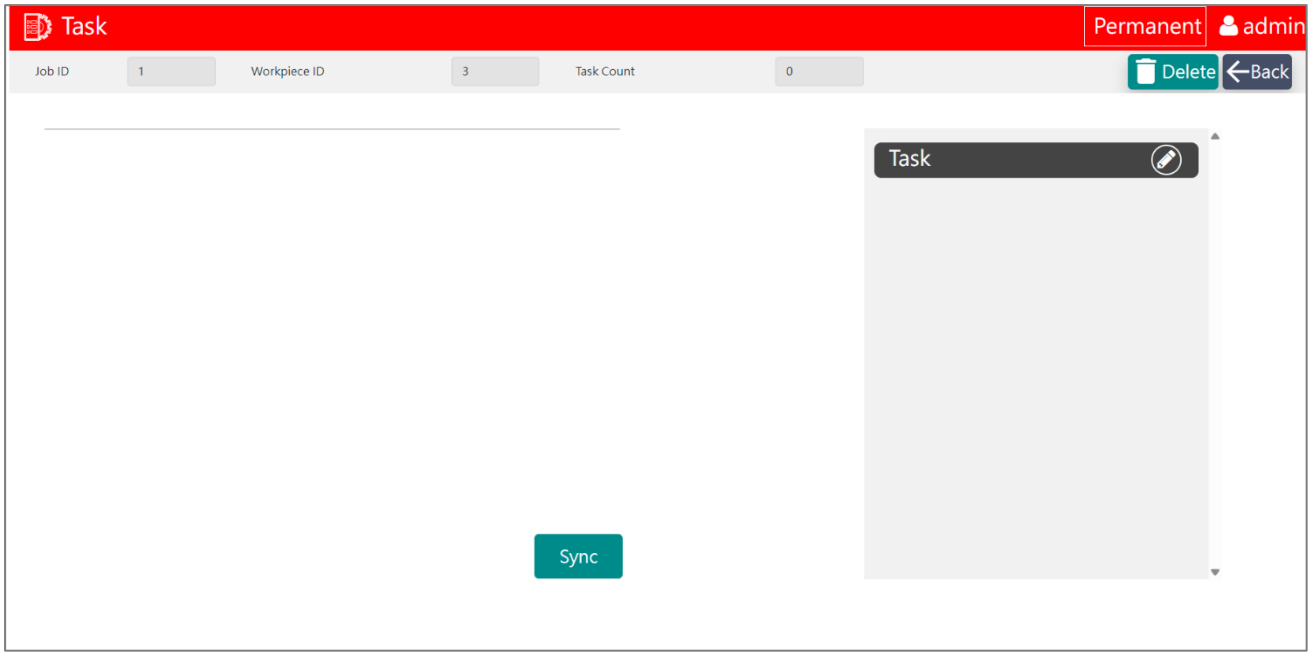
Enable: Select whether to enable the workpiece.

Detail: Display workpiece settings.

Add Task: Access the task settings.

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➢ Task



Job ID: Displays the current job ID.

Workpiece ID: Display current workpiece number.

Task Count: Displays the total number of tasks.

Delete: Delete the specified task step.

Back: Return to the previous page.

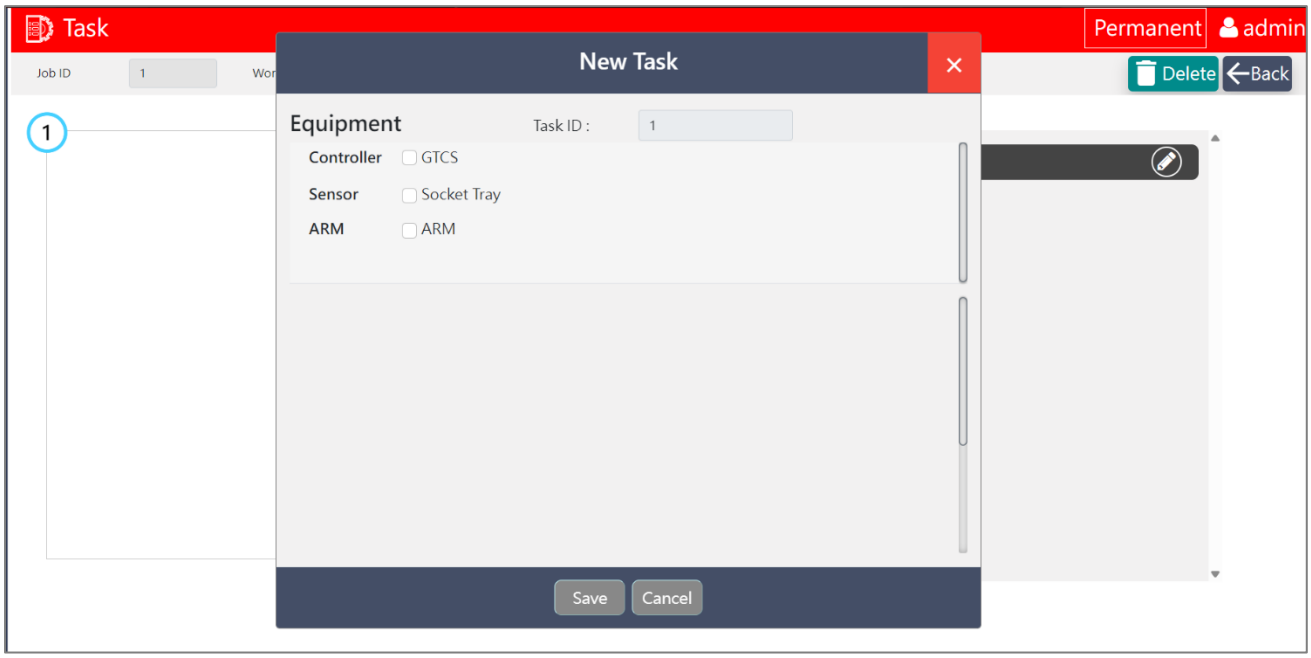
Save: After setting is completed, press Save.

Sync: This step synchronize task parameters to the controller..

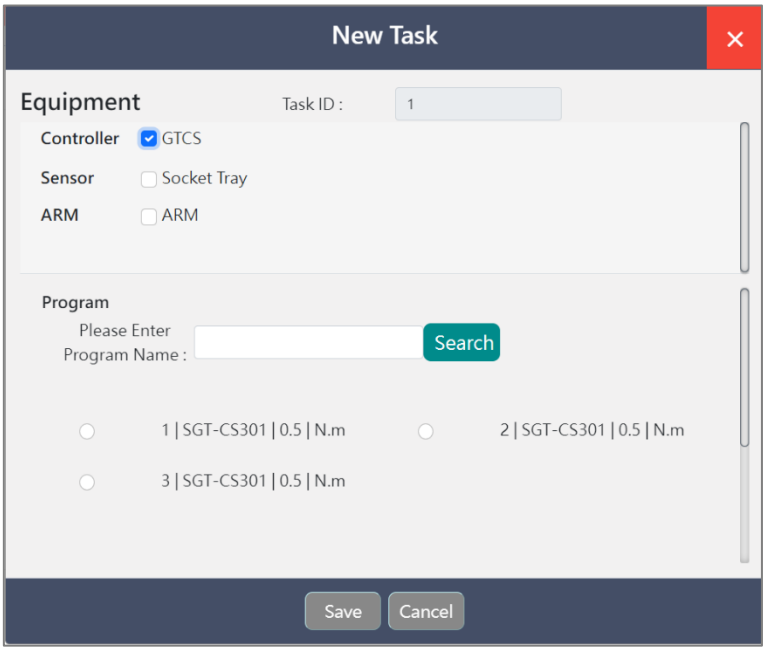
Note: If the configured product is not assigned to any Program, a warning window will appear

(Please go to [Program] to add screw settings).

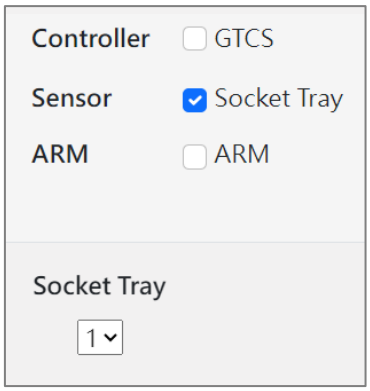
Click the tightening position and ”New Task” will appear, after completing the setup, click ”Save” to apply the changes. Selecting ”Cancel” will discard the current settings.



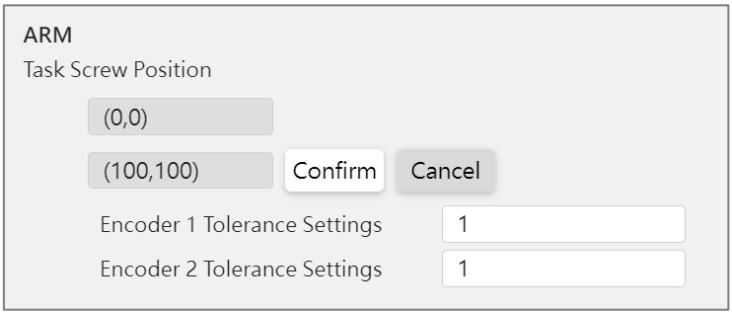
Controller: Select the controller and then select the program (you can search for a specific program using the program name function, and please select a program because you can only select one at a time).



Sensor: Select a specific Socket Tray.



ARM:



As shown in the figure (0,0) indicates the current coordinates.

As shown in the figure (100,100) indicates the coordinates after positioning.

Press ”Confirm” to update the task screw position, as shown in the example above, it is (100,100).

Encoder 1 Tolerance Settings: Default value: 1

Encoder 2 Tolerance Settings: Default value: 1

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To edit or delete a task:



1 Indicates selection

2 Indicates not selected

To edit or delete a task:

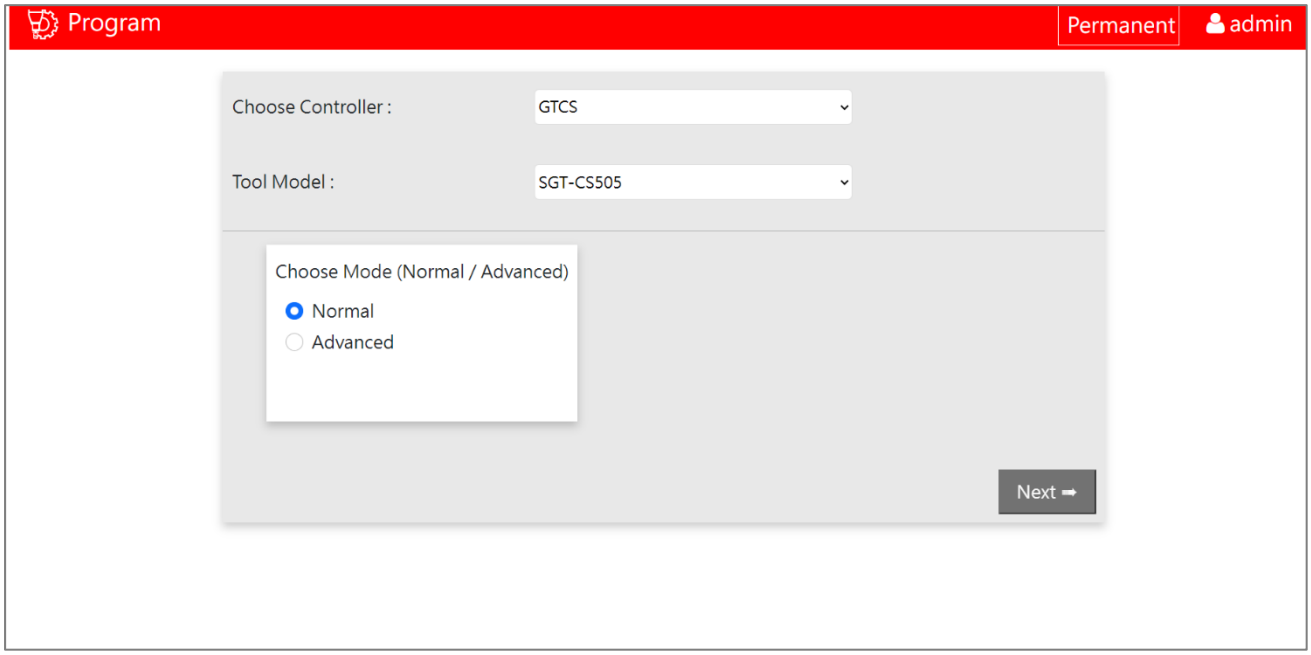
1. Double-click the tightening point on the product diagram to select the tightening point 1. You can edit or delete the task.
2. Select the task (the background color is green)→Click. You can edit or delete the task.



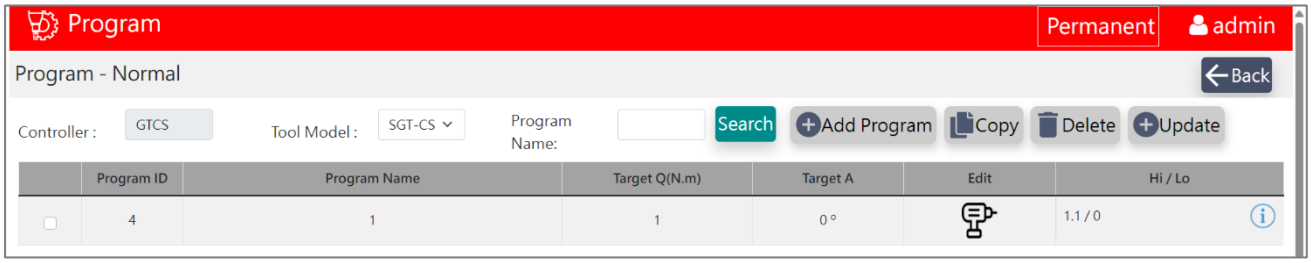
NOTE: After editing the task, please click ”Sync”.

4. Program

Select the controller and the tool and mode to use. After setting, press Next to set the parameters.



➢ Program-Normal



Controller: Displays the controller selected on the previous page.

Tool Model: The tool model selected on the previous page is displayed. You can also select other tool models and set parameters.

Program Name: Click Search according to the input criteria and the relevant program names will be listed below.

Add-Program: Click to add a new program.

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Program Name: You can set the program name, which may include half-width alphanumeric characters, spaces, diacritical marks, and specific symbols.

Target Torque: Setting torque parameters.

(For other torque and angle parameters, please refer to the controller manual)

Save: After setting is completed, press Save.

Cancel: Cancel this setting.

Copy: You can copy a program and create a new program.

Delete: Delete the specified group.

Update: If the parameters are updated, pressing Update will synchronize the program 's parameters. The update message will remind you which program to update and confirm whether to update synchronously.

Note: After editing the program parameters, please go to the home page and click "DB Sync".

Back: Return to previous page.

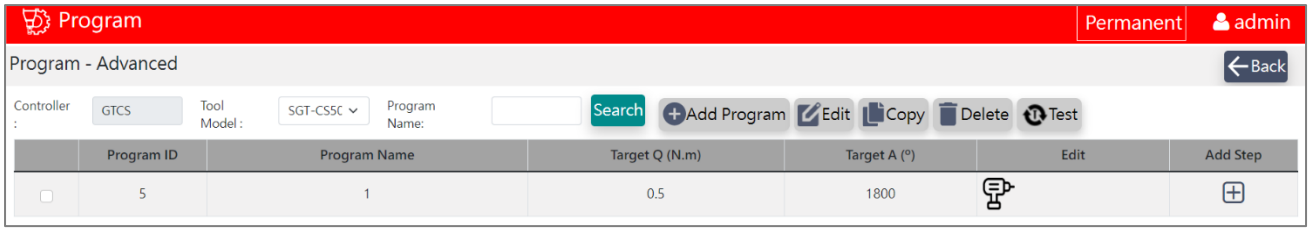
 : After selecting, you can specify the program to be deleted.

 : Click to enter the editing program.

: You can view program details.

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➢ Program-Advanced



Controller: Displays the controller selected on the previous page.

Tool Model: The tool model selected on the previous page is displayed. You can also select other tool models and set parameters.

Program Name: Click Search according to the input criteria and the relevant program names will be listed below.

Add Program: Click to add a new program.

Program ID: Displays the current program number.

Program Name: You can set the program name, which may include half-width alphanumeric characters, spaces, diacritical marks, and specific symbols.

Target Type: Set torque or angle parameters. (Please refer to the controller manual)

Save: After setting is completed, press Save.

Cancel: Cancel this setting.

Edit: Editable program settings.

Copy: You can copy a program and create a new program.

Delete: Delete the specified program.

Test: This feature has no open settings yet.

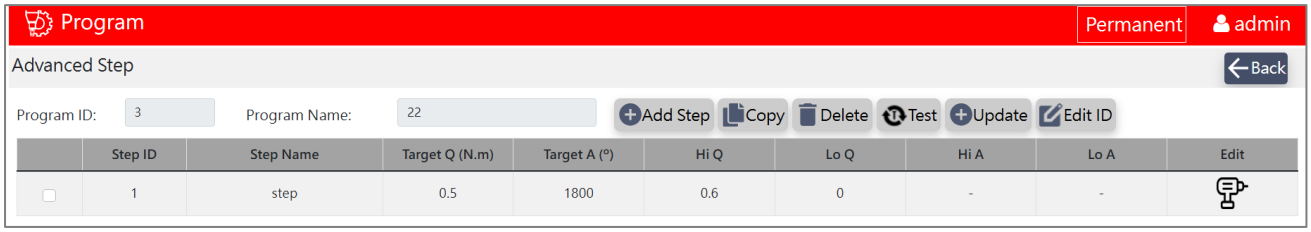
Back: Return to the previous page.

☑ : After selecting, you can specify the program to be deleted.

⊞ Add Step: allows you to enter Step settings.

KILEWS

- Advanced Step



Program ID: Displays the current program number.

Program Name: Displays the current program name.

Add Step: Click to add a new step. (Please refer to the controller manual for parameter settings.)

Copy: You can copy a Step and create a new Step.

Delete: Delete the specified Step.

Test: This feature has no open settings yet.

Update: If the parameters are updated, pressing Update will synchronize the Step parameters. The update message will remind you which Step to update and confirm whether to update synchronously.

Edit ID: The order of the steps can be changed.

Note: After editing the Step parameters, please go to the home page and click ”DB Sync”.

Back: Return to the previous page.

☑ : After selecting, you can specify the Step to be deleted.

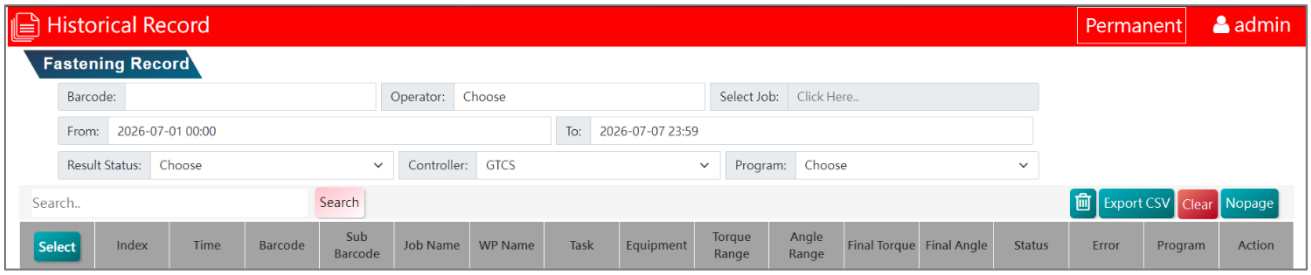
: Click to enter the editing Step.

5. DB Sync

This step synchronize task parameters to the controller.

6. Historical

Set range conditions to query historical tightening records, and export (.CSV) or clear specified records.



When there are multiple tightening records, you can choose to display them on one page.

In the ”Action” column of the record column, click “ Detailed Information” to enter the tightening record of a single screw.

NOTE: After opening the exported .CSV file, click “Data”→”From Text/CSV” in the function area to load the originally opened file.

- Single screw tightening record

Selectable axis titles (displaying X and Y axes) and torque units are available. Click the “≡” to download the fastening record for a single screw (.html).

KILEWS

7. User

- Member List: Member users can be added, edited, and deleted, and the member list can be arranged according to the selected criteria.



Add Member

User Name: You can set half-width alphanumeric characters, spaces, and diacritical marks.

**Account: You can set half-width alphanumeric characters.

Password: You can set half-width alphanumeric characters.

Employee Number: You can set half-width alphanumeric characters.

**Card: Login ID Password. You can set half-width alphanumeric characters.

**Authority: Select the role that manages identity settings.

Save: After setting is completed, press Save.

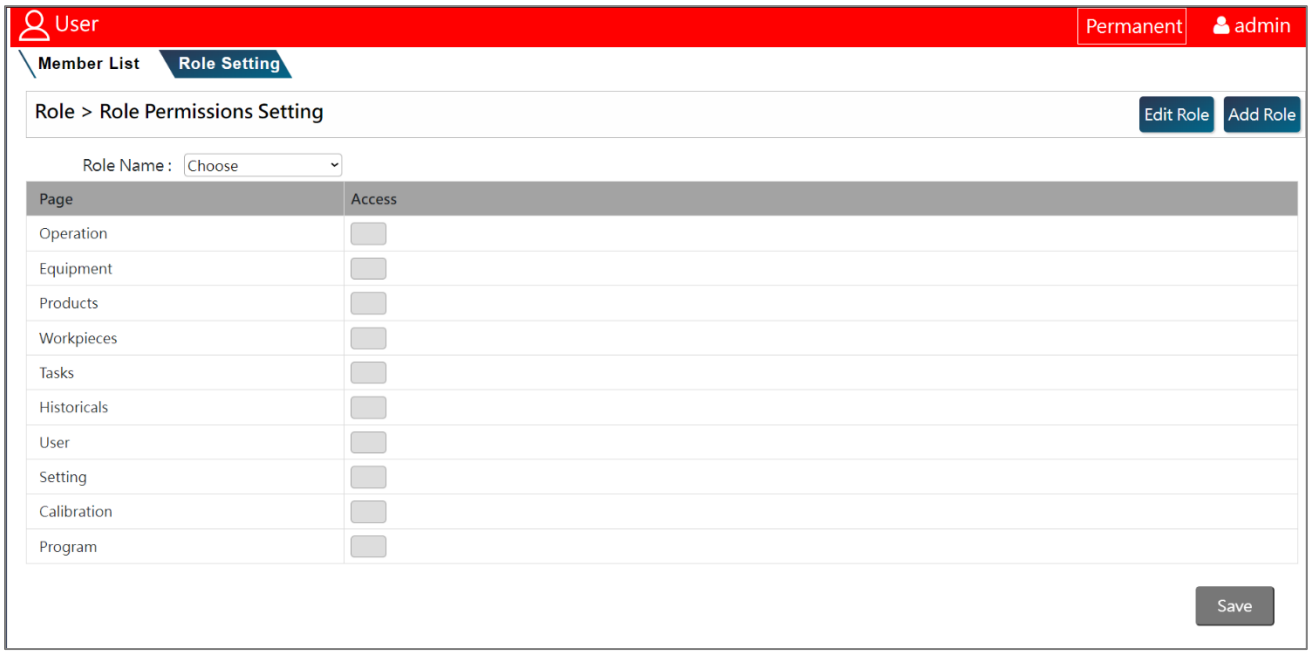
Cancel: Cancel this setting.

NOTE: Fields marked with asterisk (**) are required.

Delete: ☑ After selection, the specified member will be deleted.

: Can edit users.

- Role Setting: Modify administrator access privileges and configure barcode authorization features.



Edit role: An existing role can be deleted.

Add role: Add a new management identity.

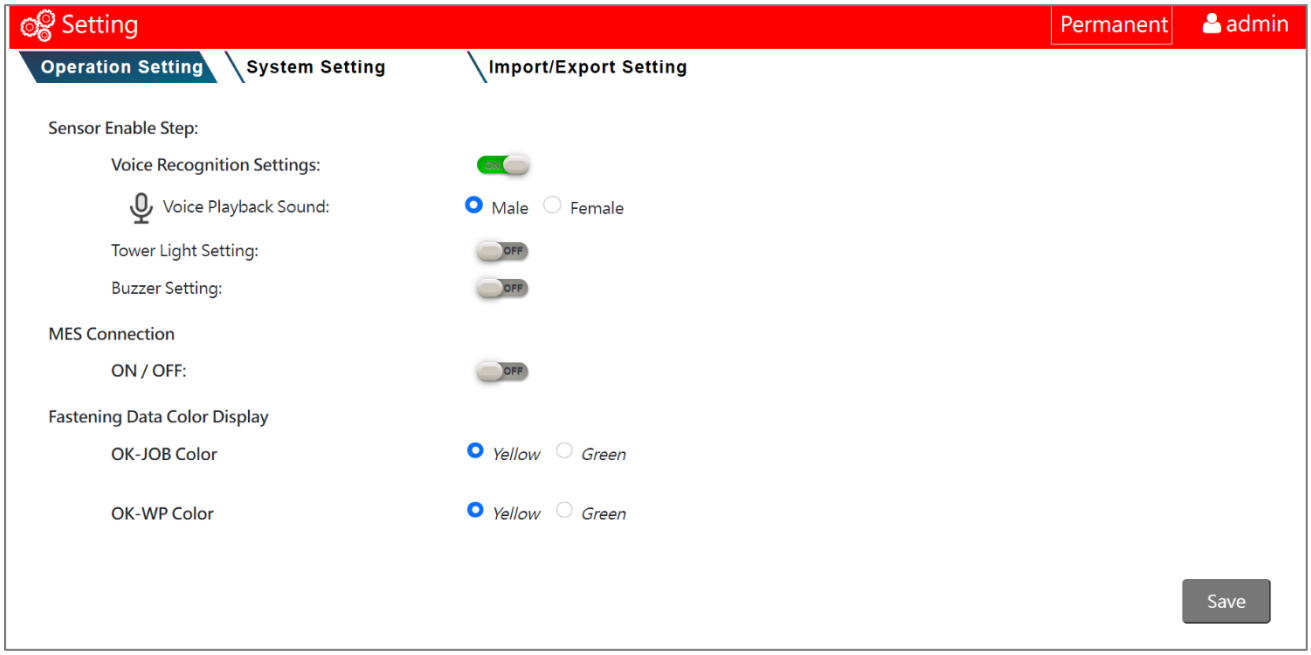
To modify the permissions of the administrator role: pull down the Role Name→check the Access box to set permissions for each page→Save.

KILEWS

8. Setting

- Operation Setting

Set the Sensor Enable Step、MES Connection, press Save when the settings are completed.



Sensor Enable Step: The setting can be turned on or off.

Voice Playback Sound: Click the microphone icon to listen to the male and female voices in the tightened state.

Tower Light Setting: The lighting settings of the Tower Light can be set only after the function is turned on.

Buzzer Setting: The lighting settings of the Tower Light can be set only after the function is turned on.

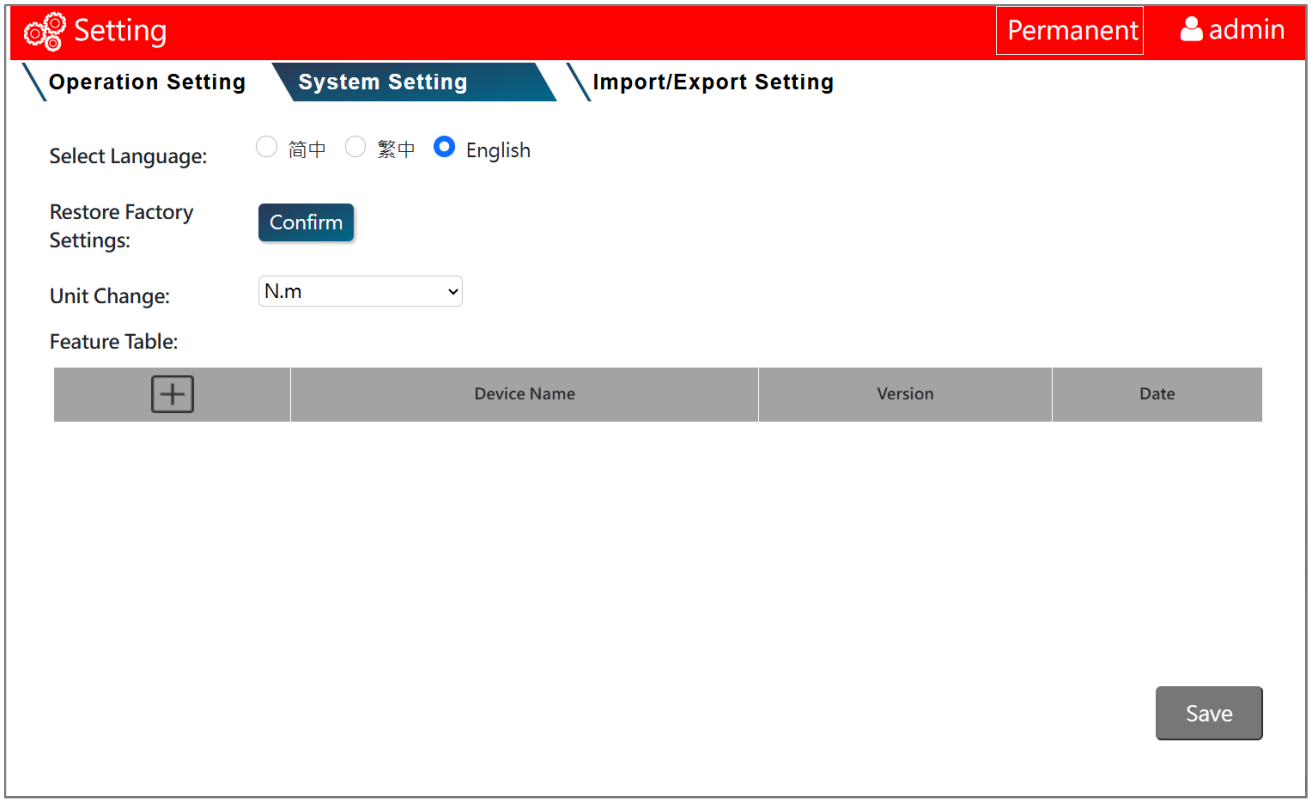
MES Connection: Turn MES on or off, This is a special demand function, please do not enable it. If you need it, please contact the business personnel.

Fastening Data Color Display: Set Fastening Result Colors.

Save: After setting is completed, press Save.

KILEWS

- System Setting



Select Language: You can select the system language.

Restore Factory Settings: Press Confirm to restore the original factory settings (including settings and history records).

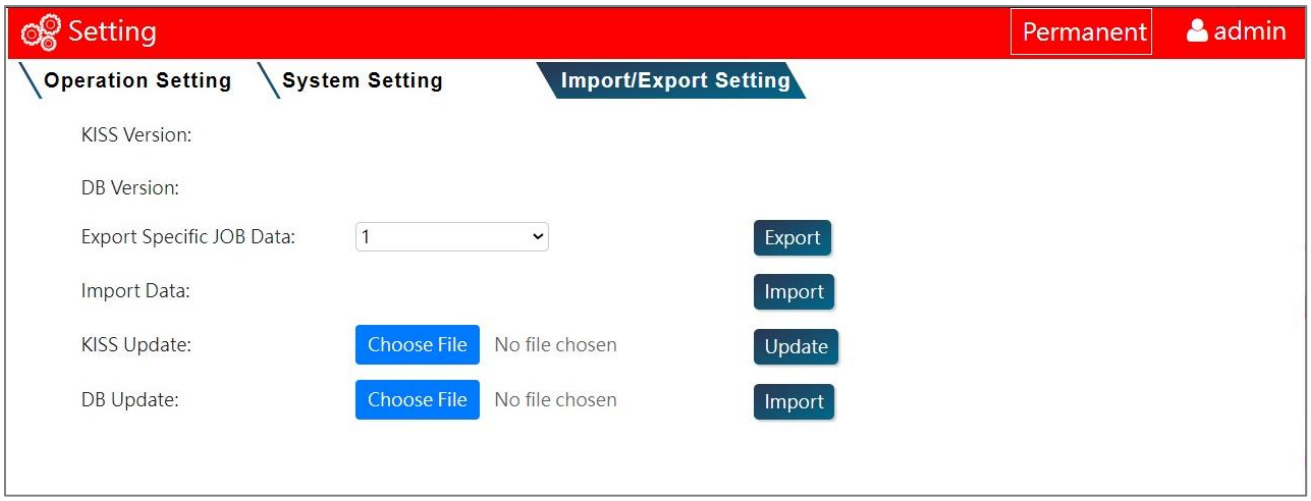
Unit Change: The torque unit can be set.

Feature Table: This feature has no open settings yet.

Save: After setting is completed, press Save.

KILEWS

- Import/Export Setting



Current KISS Version: Show current version.

DB Version: Show current version.

Export Specific JOB Data: After pressing Export, you can select export options.

Export option	File
Setting files (excluding image files)	(.kiss)
Set file+image file	(.kiss)
Export specific word data	(.job)

Import Data: Import according to the specified information.

Select All: Import all the configuration data.

Partial Select: Select specified parameter information.

Only By Changing The Project: Only the parameter settings that are different from the original data are imported.

⚠: This reminder message is required.

KISS Update: Select the update package and update (.bin)

DB Update: Select the update package and update (.bin)

KILEWS

⑦ Statement

Reminder again, please follow the relevant regulations and the international practice of the Internet. Never do anything illegal or harm to the company in any illegal way. You may not use this service to engage in violations of other's rights or illegal activities: Please acknowledge you have ownership for all your photos and texts. Do not post or transmit any files that are defamatory, insulting, threatening, offensive, indecent, defamatory, false, in violation of public order or good customs or other unlawful words, pictures or files in any form, nor infringe on the reputation or privacy of others, business secrets, trademarks, copyrights, patents, other intellectual property rights and other rights, and other acts that are deemed improper.