

How To Use I-con OEM Sub-Label Tab

OEM Sub-Label Configuration for I-con Software

Revision 002

Date: June 2026

1. Purpose

This document provides formal step-by-step instructions for authenticating and using the OEM Sub-Label Tab within the I-con software application. It is intended for authorized personnel who have been granted access to the Sub-Label feature by Infinitum technical support.

Instructions for Zebra printer setup required to physically print sub-labels are documented separately in:

- **Zebra Printer Zt411 Setup Manual**

2. Hardware and Software Requirements

The following items must be available and properly configured before proceeding:

Item	Details
Windows Laptop	Running a supported version of Microsoft Windows
Zebra Printer ZT411	Thermal transfer label printer
Zebra Windows Printer Driver	Version 10 (zddriver-v1062628275-certified.exe)
Zebra Setup Utilities	For Windows (zsu-1191327.exe)
I-con Software	v2.100.912.0 or later. Installer: ICon_Installer_v2.100.912.0_Customer.msi Installed to: C:\Program Files (x86)\Infinitum-Icon

3. Install I-con Software

- Run the installer: ICon_Installer_v2.100.912.0_Customer.msi
- Follow the on-screen installation instructions. Upon completion, MotorControl.Engineer.exe will be installed to C:\Program Files (x86)\Infinitum-Icon

4. Set Up an MST Account

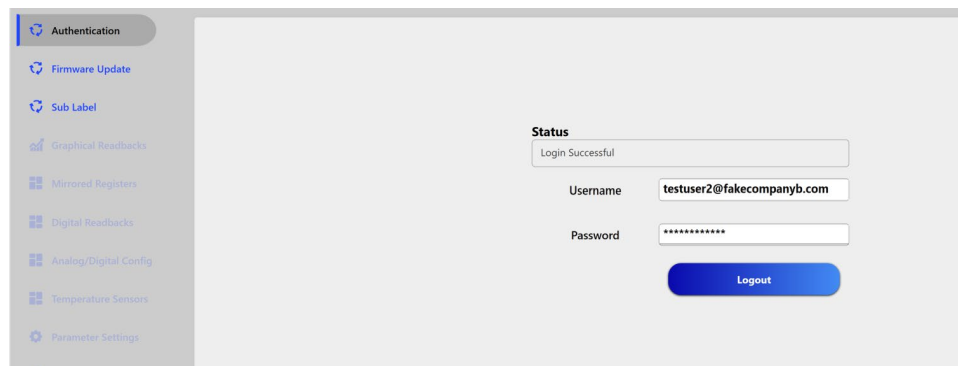
- Follow the instructions online: [I-con User Registration Process](#)

5. Authentication on the I-con Sub-Label Tab

Once access to the I-con Sub-Label feature has been granted by Infinitum technical support, proceed as follows:

- Ensure the laptop is connected to the internet.
- Open I-con software and navigate to the Authentication tab.
- Enter the MST account username and password, then sign in.

Note: *The I-con Sub-Label Tab is only accessible after successful authentication.*



The screenshot shows the 'Authentication' tab selected in the left sidebar. The main area displays a 'Status' section with a 'Login Successful' message. Below this, there are input fields for 'Username' (containing 'testuser2@fakecompanyb.com') and 'Password' (masked with asterisks). A blue 'Logout' button is positioned at the bottom right of the login section.

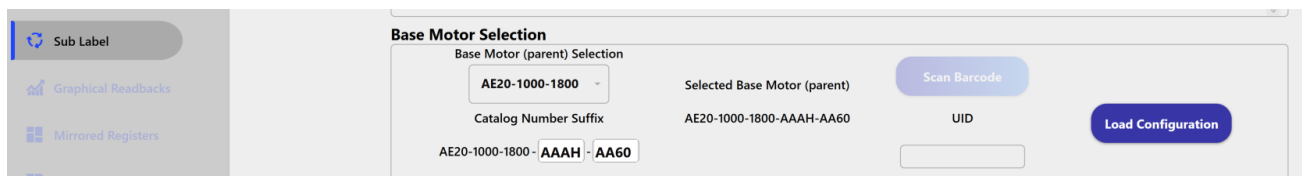
6. I-con Sub-Label Tab: Base Motor Selection

6.1 Select the Base Motor

From the I-con Sub-Label Tab, locate the Base Motor drop-down list and select the base motor model that is to be configured.

6.2 Enter the 8 Suffix Characters

Using the motor nameplate as reference, enter the 8 suffix characters into the designated field.



The screenshot shows the 'Sub Label' tab selected in the left sidebar. The main area displays the 'Base Motor Selection' section. It includes a 'Base Motor (parent) Selection' dropdown menu with 'AE20-1000-1800' selected. Below this, the 'Catalog Number Suffix' is shown as 'AE20-1000-1800-AAAA-AA60'. To the right, there is a 'Selected Base Motor (parent)' field with 'AE20-1000-1800-AAAA-AA60' and a 'UID' field. A 'Scan Barcode' button is located above the 'UID' field, and a 'Load Configuration' button is at the bottom right.

6.3 Load Configuration

Load the Base Motor Selection, the Suffix, the custom horsepower, and custom speed from a Json File that can be created with “Save Configuration” in the Custom Duty Point section.

Status
Custom Duty Points Validated...

Base Motor Selection

Base Motor (parent) Selection

AE20-1000-1800

Catalog Number Suffix

AE20-1000-1800-

AAAH

-

BA60

Selected Base Motor (parent)
AE20-1000-1800-AAAH-BA60

Scan Barcode

UID

Load Configuration

7. I-con Sub-Label Tab: Custom Duty Point Section

7.1 Enter the Desired Duty Points

Enter the desired horsepower and speed duty points into the respective fields provided on the Custom Duty Point section.

7.2 Validate the Custom Duty Points

Click the Validate button to verify that the entered duty points are compatible with the selected base motor.

- If the Validation Status displays "Valid", proceed to Section 8.

Authentication
Firmware Update
Sub Label
Graphical Readbacks
Mirrored Registers
Digital Readbacks
Analog/Digital Config
Temperature Sensors

Status
Custom Duty Points Validated...

Base Motor Selection

Base Motor (parent) Selection

AE20-1000-1800

Catalog Number Suffix

AE20-1000-1800-

AAAH

-

AA60

Selected Base Motor (parent)
AE20-1000-1800-AAAH-AA60

Scan Barcode

UID

Load Configuration

Custom Duty Point

Horsepower (HP)

5.90

Speed (RPM)

1225

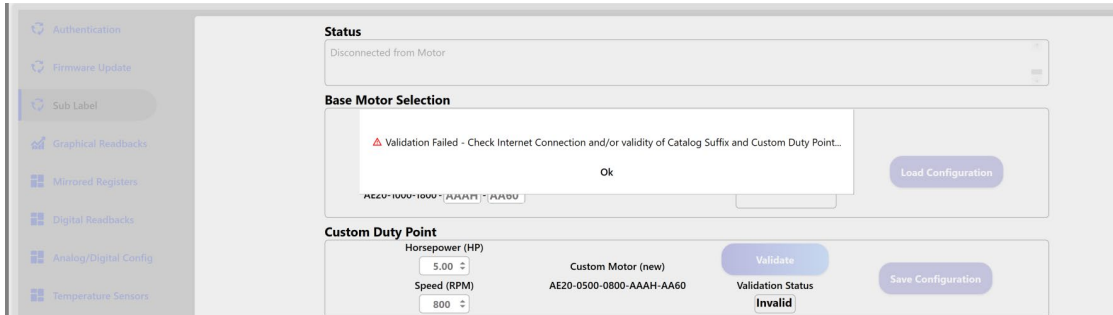
Custom Motor (new)
AE20-0590-1225-AAAH-AA60

Validate

Validation Status
Valid

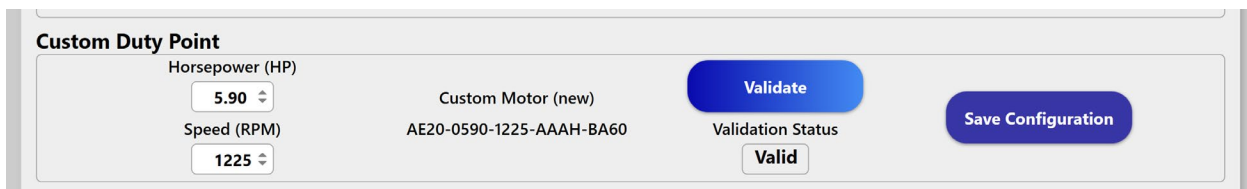
Save Configuration

- If the Validation Status displays "Invalid", either there is a poor internet connection or the requested horsepower and speed duty points are not compatible with the selected base motor. Contact support@goinfinitum.com for further assistance.



7.3 Save Configuration

Saves the Base Motor Selection, the Suffix, the custom horsepower, and custom speed into a Json File that can be loaded with "Load Configuration" in the Base Motor Selection section.



8. I-con Sub-Label Tab: Sub Label Printing Section

This section is only accessible once the Custom Duty Point has been successfully validated in Section 7.

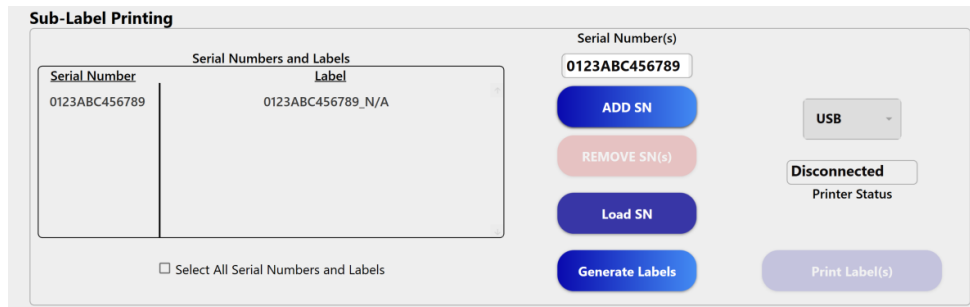
8.1 ADD SN Button

Serial numbers may be added to the list manually using the ADD SN button.

- Type a serial number into the serial number entry field.
- Click ADD SN to add it to the list.

Note: All serial numbers must conform to the following format:

(0-9) (0-9) (0-9) (0-9) (A-Z) (A-Z) (A-Z) (0-9) (0-9) (0-9) (0-9) (0-9) (0-9)



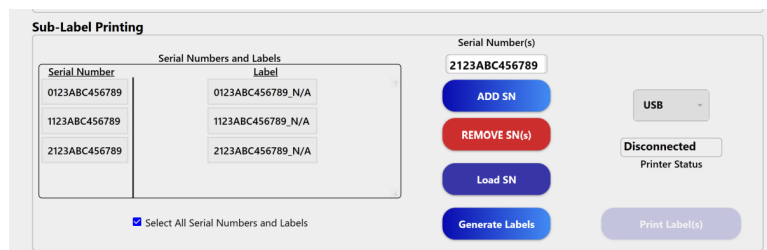
The screenshot shows the 'Sub-Label Printing' window. On the left, a table titled 'Serial Numbers and Labels' has two columns: 'Serial Number' and 'Label'. The 'Serial Number' column contains '0123ABC456789' and the 'Label' column contains '0123ABC456789_N/A'. Below the table is a checkbox labeled 'Select All Serial Numbers and Labels'. On the right, there is a 'Serial Number(s)' input field containing '0123ABC456789'. Below this field are four buttons: 'ADD SN' (blue), 'REMOVE SN(s)' (red), 'Load SN' (blue), and 'Generate Labels' (blue). To the right of these buttons is a 'USB' dropdown menu and a 'Disconnected' status indicator with the text 'Printer Status'. At the bottom right is a 'Print Label(s)' button.

8.2 REMOVE SN(s) Button

To remove serial numbers from the list:

- Select one or more serial numbers from the list.
- Click REMOVE SN(s) to remove the selected entries.

Note: To select all serial numbers at once, click the Select All Serial Numbers and Labels option.



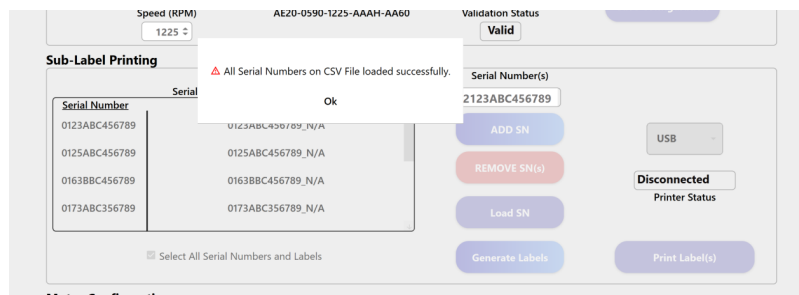
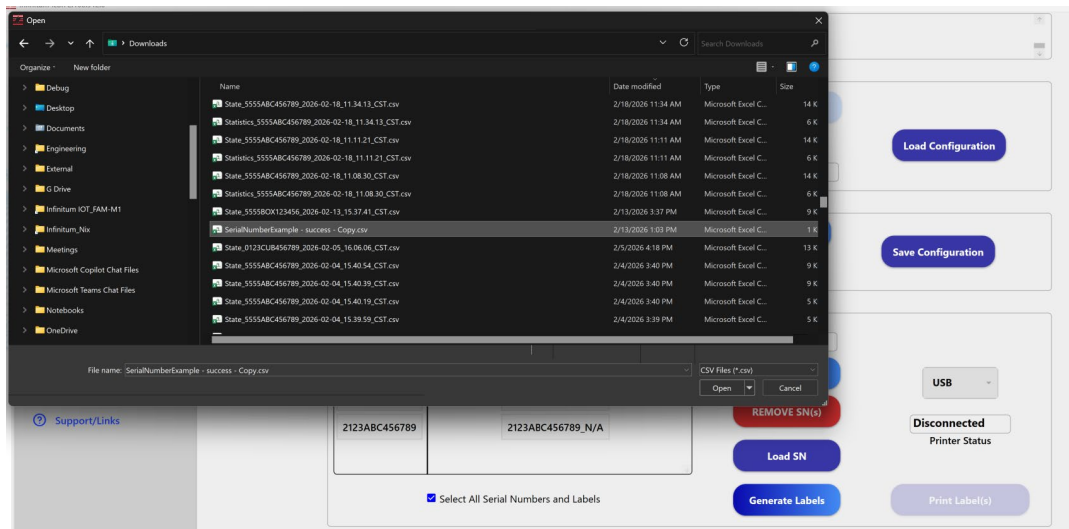
The screenshot shows the 'Sub-Label Printing' window. The 'Serial Numbers and Labels' table now has three rows: '0123ABC456789', '1123ABC456789', and '2123ABC456789', all with corresponding labels ending in '_N/A'. The 'Select All Serial Numbers and Labels' checkbox is now checked. The 'Serial Number(s)' input field now contains '2123ABC456789'. The 'REMOVE SN(s)' button is highlighted in red. The rest of the interface, including the 'USB' dropdown, 'Disconnected' status, and 'Print Label(s)' button, remains the same.

8.3 Load SN Button

The Load SN button allows a large quantity of serial numbers to be imported at once from a CSV (.csv) file.

- Click Load SN.
- Browse to and select the CSV file containing the serial numbers.
- Click Open. The serial numbers will be imported into the list.

Note: All serial numbers within the CSV file must conform to the format specified in Section 8.1.

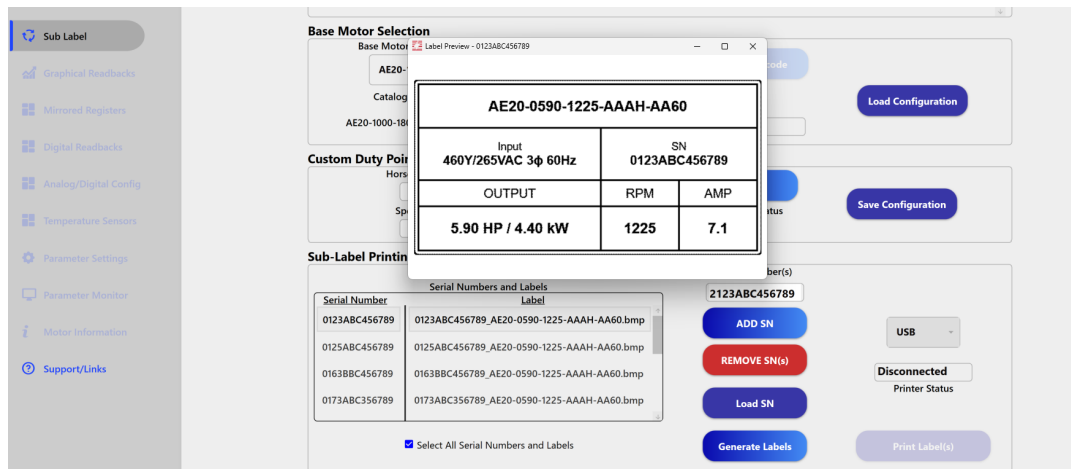
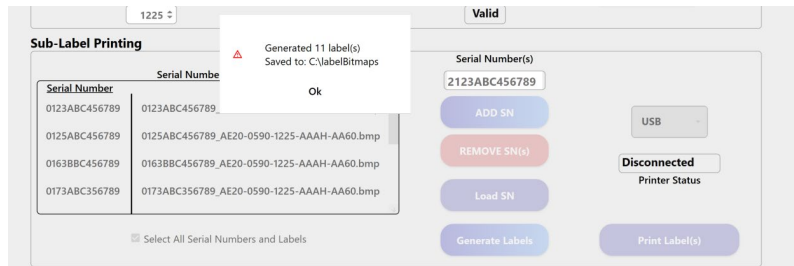


8.4 Generate Labels Button

Once serial numbers have been entered, sub-labels can be generated.

- Click Generate Labels.
- The software will generate sub-label bitmap files for all serial numbers in the list and save them to C:\labelBitmaps.
- To view a label, double-click on the corresponding serial number or the label .bmp file.

Note: All generated labels will be deleted if a custom duty point value is modified after generation.



8.5 Printing Sub-Labels

Instructions for printing the generated sub-labels on a Zebra ZT411 printer are documented in the companion manual:

- **Zebra Printer Zt411 Setup Manual**

9. I-con Sub-Label Tab: Motor Configuration Section

9.1 Connect to the Motor

Establish a connection between the I-con software and the target motor using the appropriate communication protocol:

- TCP/IP connection, or
- Serial connection

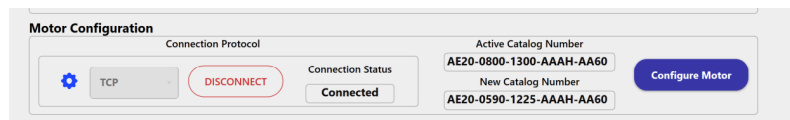
Ensure that the correct communication protocol settings are applied before proceeding.

9.2 Verify Catalog Number Information

Once connected, the I-con Sub-Label Tab will display the following information:

- Active Catalog Number – the current catalog number programmed on the motor.
- New Catalog Number – the new catalog number that will result from the custom duty point configuration.

Review both values carefully before proceeding.



9.3 Configure the Motor

- Click Configure Motor.
- A confirmation dialog will appear. Click Yes to confirm.

Two outcomes are possible:

- If the motor is an Infinitum Base Motor:
 - The motor will be reconfigured with the new custom horsepower and speed duty points.
 - The Active Catalog Number will update to reflect the new configuration.
 - Tip: Verify the result by checking the catalog number on the Motor Information tab.

Speed (RPM)

1225

AE20-0590-1225-AAAH-AA60

Validation Status

Valid

Save Configuration

Sub-Label Printing

Motor Reconfigured to the New Catalog Number

Ok

Serial Number(s)

4439SLT021261

ADD SN

REMOVE SN(s)

Load SN

Generate Labels

Print Label(s)

USB

Disconnected

Printer Status

Serial Number	Serial
1123ABC456891	1123ABC456891_AE20-0590-1225-AAAH-AA60.bmp
1123ABC456892	1123ABC456892_AE20-0590-1225-AAAH-AA60.bmp
2123ABC456789	2123ABC456789_AE20-0590-1225-AAAH-AA60.bmp
4439SLT021261	4439SLT021261_AE20-0590-1225-AAAH-AA60.bmp

Select All Serial Numbers and Labels

Motor Configuration

Connection Protocol

TCP

DISCONNECT

Connection Status

Connected

Active Catalog Number

AE20-1000-1800-AAAH-AA60

New Catalog Number

AE20-0590-1225-AAAH-AA60

Configure Motor

Active Catalog Number

AE20-0590-1225-AAAH-AA60

New Catalog Number

AE20-0590-1225-AAAH-AA60

Parameter Monitor

Motor Information

Catalog Number

xx20-0590-1225-460

- If the motor is not a base motor:
 - The following error message will be displayed. Contact support@goinfinitum.com for further assistance.

Speed (RPM)

1225

AE20-0590-1225-AAAH-AA60

Validation Status

Valid

Save Configuration

Sub-Label Printing

The connected motor type (5084) is not authorized for this customer and cannot be configured.

Ok

Serial Number(s)

4439SLT021261

ADD SN

REMOVE SN(s)

Load SN

Generate Labels

Print Label(s)

USB

Disconnected

Printer Status

Serial Number	Serial
1123ABC456891	1123ABC456891_AE20-0590-1225-AAAH-AA60.bmp
1123ABC456892	1123ABC456892_AE20-0590-1225-AAAH-AA60.bmp
2123ABC456789	2123ABC456789_AE20-0590-1225-AAAH-AA60.bmp
4439SLT021261	4439SLT021261_AE20-0590-1225-AAAH-AA60.bmp

Select All Serial Numbers and Labels

Motor Configuration

Connection Protocol

TCP

DISCONNECT

Connection Status

Connected

Active Catalog Number

AE20-0800-1300-AAAH-AA60

New Catalog Number

AE20-0590-1225-AAAH-AA60

Configure Motor

Note: I-con will also not allow motor configuration for serial numbers that are not present on the List of Serial Numbers and Labels.