Snap-on

L5 Connect™ True-Crib™ Users Guide

Version 2.0

Houston, Cody L
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Introduction

Thank you for your purchase of True-Crib™. This guide is the complete resource for using your True-Crib™ software. We strongly recommend reading this guide carefully and thoroughly before using the software.

True-Crib™ is a L5 Connect™ Device that runs as an application on a Windows PC. It requires a connection to the main L5 Connect™ Service and is primarily used to manage Tool Cribs and Tool Rooms. True-Crib™ requires that an attendant be signed in to issue and return tools, access administrative functions, and generate reports. True-Crib™ administrative functions are limited. You will need to access the L5 Connect™ Admin Client for more advanced administrative functions.

Within this guide are instructions on connecting to the L5 Connect™ Service, setting up your True-Crib™ accessories, importing a list of tools, and issuing and returning tools from the system.

Although this guide covers many topics, we understand you may have questions. If you feel lost or don't understand the content at any time, please get in touch with Snap-on® Technical Support.

Phone: **1-800-272-2033**

E-mail: **TECHSUPPE@snapon.com**

Our technical support agents are standing by, ready to assist you with any questions or issues you may have.

Once again, thank you for your purchase, and welcome to the L5 Connect™ family.

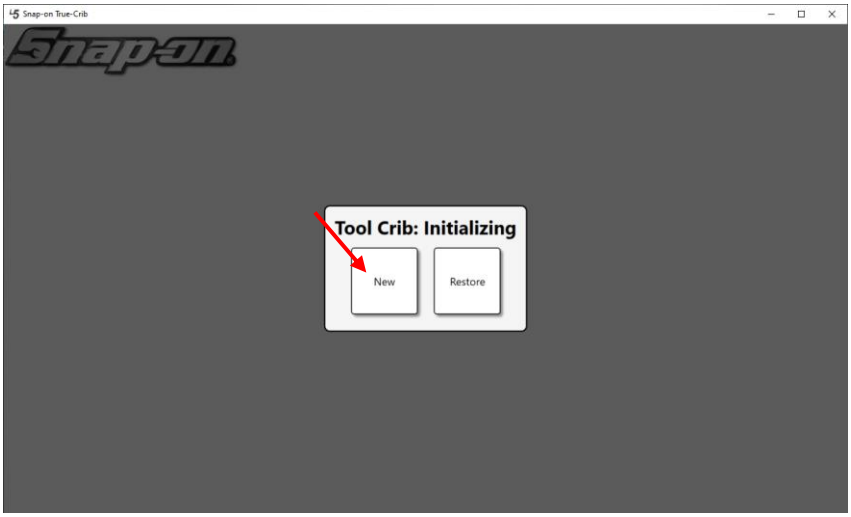
Note: L5 Connect™ is an extremely efficient solution to tool control. Yet, a robust Tool Control program with L5 Connect™ and ATC Devices at its core, integrated with your current processes and procedures, is still needed to ensure successful tool control in your organization.

NOTE: This Guide was written with software version 9.2.31.0 and some screens and features described in this guide may appear differently than in the version you may be using.

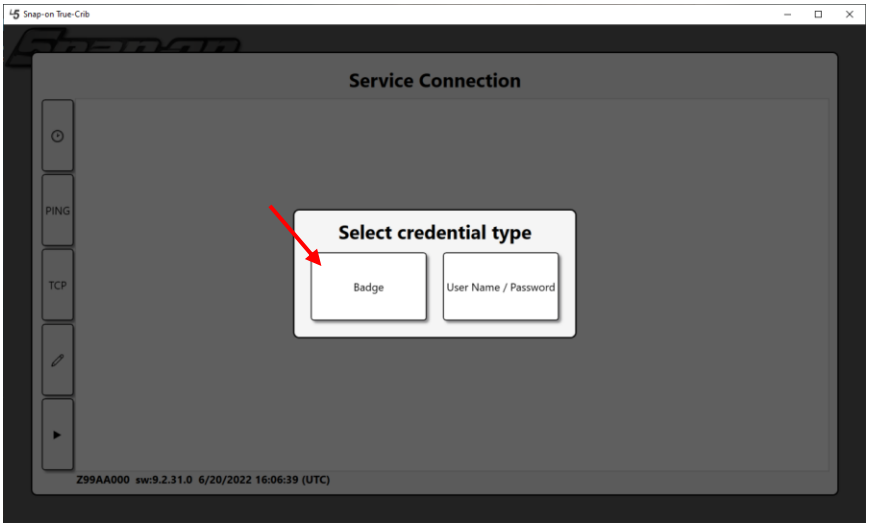
Connecting to L5 Connect™ Service

After you have installed True-Crib™, you need to connect to a L5 Connect™ service. True-Crib needs to be connected to the Service to function. However, it can run if the Service or network goes down for a short time. The system is designed to be connected 24/7 to the Service to receive changes and new users and push backups and updates.

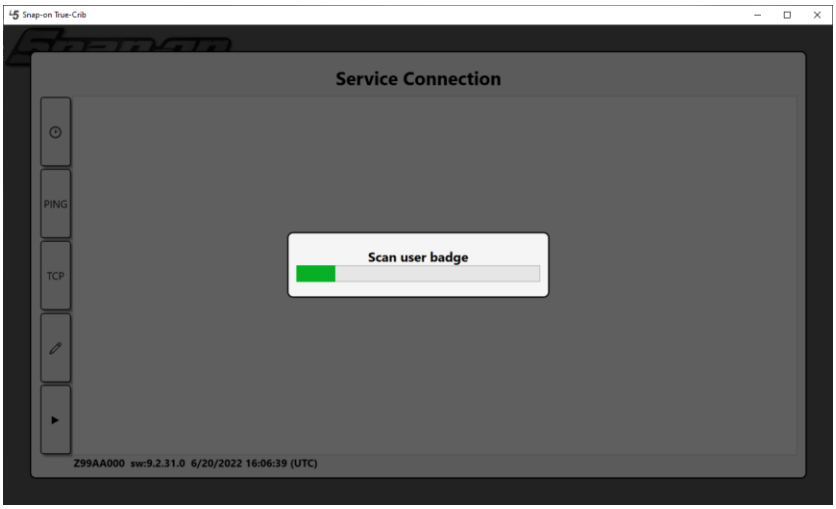
When you first start True-Crib™, you will be prompted to start a new crib or restore one backed up on the Service. In this case, you want to create a new Crib, so you must select NEW.



Next, you will be asked what authentication you want to use to connect to the Service. A user attempting to add a device to a service requires the correct connection permissions. You may use your RFID Badge or your Admin Username and Password. In this case, you will use your Badge.

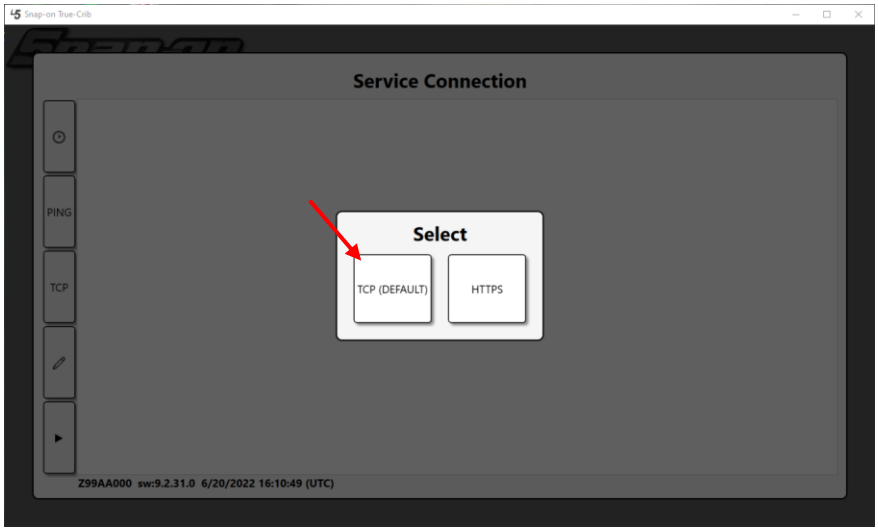


Select Badge, then wave your RFID badge near the reader plugged into the USB port on the PC running True-Crib™.



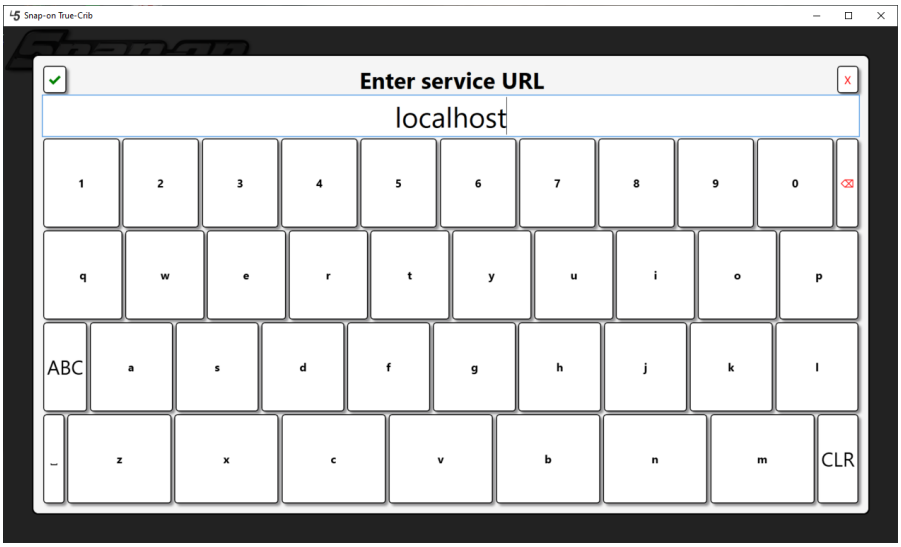
Next, you will be prompted to select the connection type for the Service. By default, the connection type is TCP. However, HTTPS is an advanced connection type that provides additional security and requires additional setup on the Service to implement.

Click on TCP(Default)



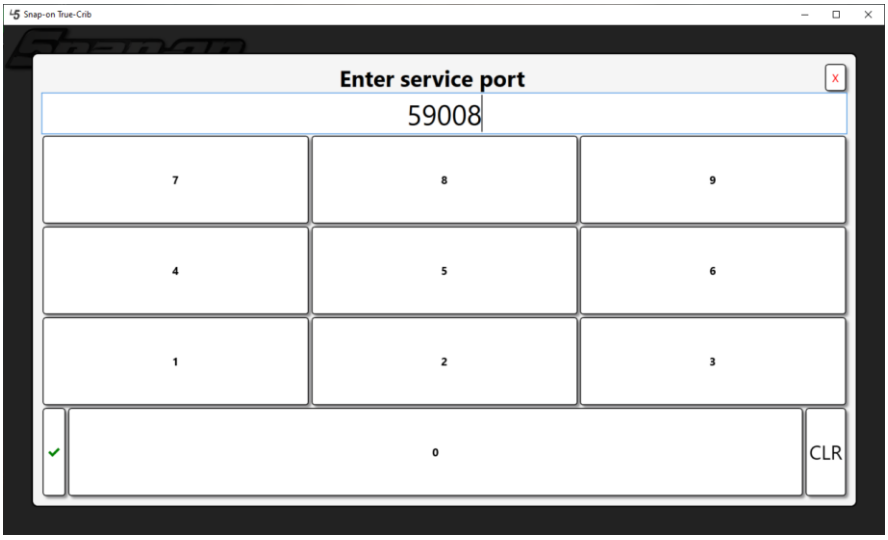
Next, you will be asked to type in the URL or Hostname (computer name) of the computer running the L5 Connect™ Service. In this case, the Service runs on the same machine as the Crib. Therefore, you can use the hostname ***LOCALHOST***.

Type in localhost and press Enter.



Following that, you will be asked to define the port the Service is listing to for incoming connections. The default is 59008, but this can be defined in the configuration settings of the Service.

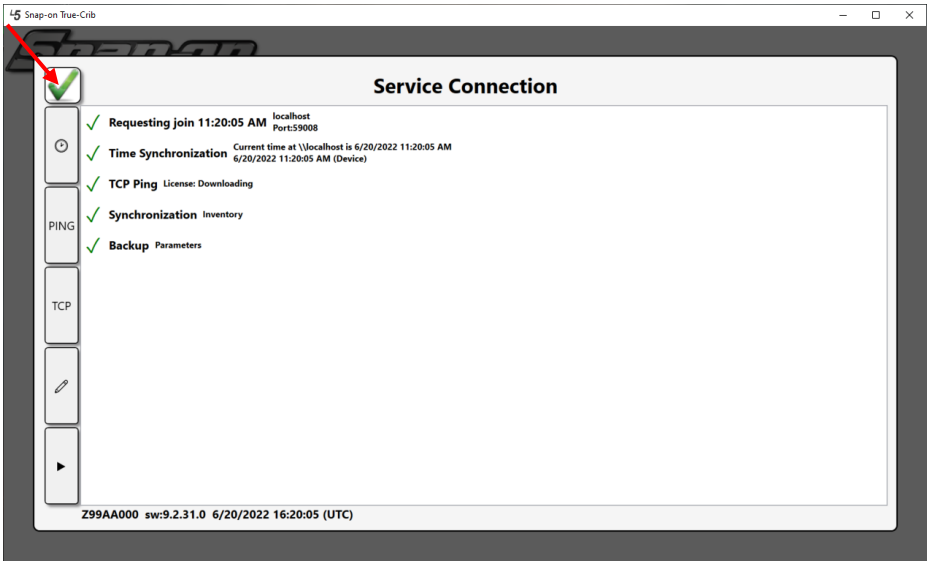
Type in 59008 and press Enter.



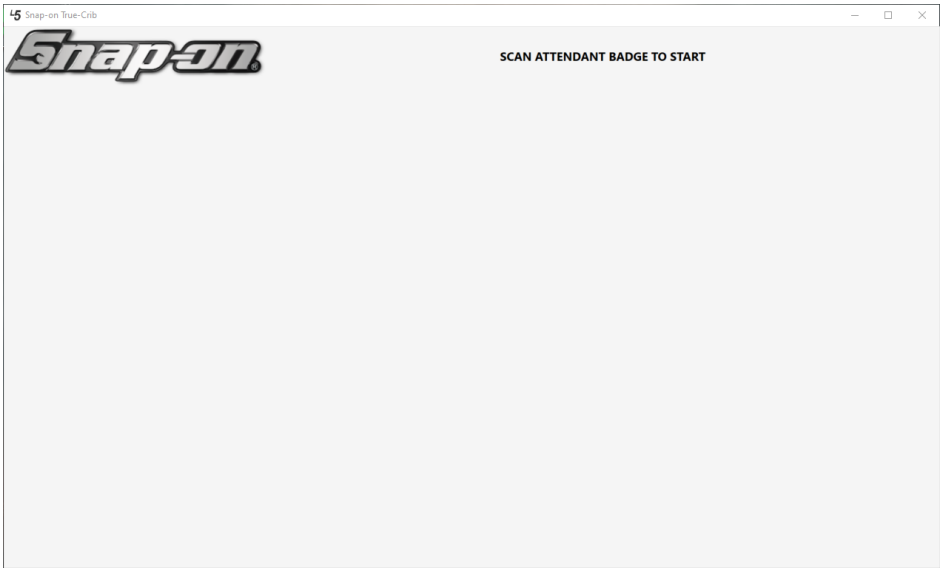
The system will then go through some validation checks. You may be prompted to update the software as the Crib's software version must match the software version running on the Service. If that happens, just follow the update prompts. When you are done, the crib software will restart and ask if you want to continue the process of connecting to the Service.

In this case, you are already running the same software version and can continue without interruptions.

Once the connection has been established, and all the validations are complete, click on the ✓ button.



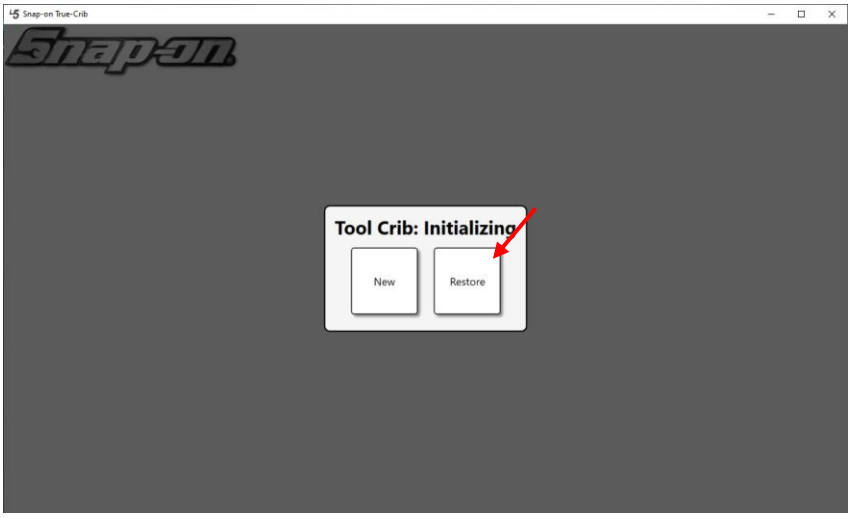
You will now be connected to the Service and ready to begin setting up the Crib.



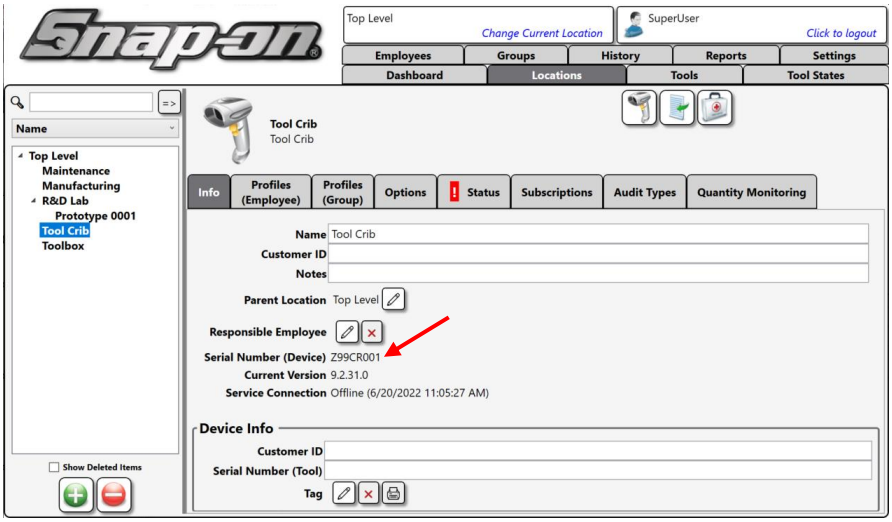
Restoring True-Crib™ from the L5 Connect™ Service

If a PC running a True-Crib™ instance becomes unusable, or if you want to move the instance to a new PC, you can quickly restore the data from the Crib in just a few minutes.

After you have finished installing the True-Crib™ software on the new PC, start the software and select RESTORE.

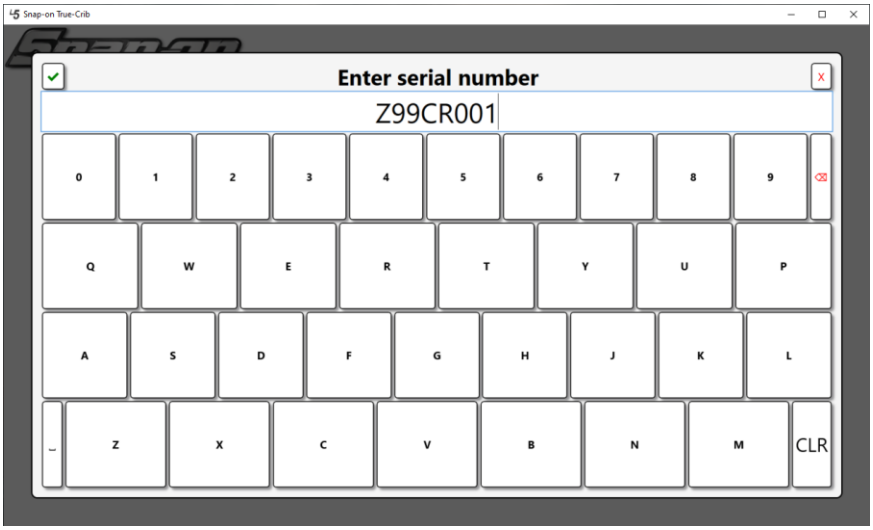


You will then be asked to input the Serial Number of the Crib you want to restore. If you do not know the SN, you can find it in the Info Tab of the Device in the L5 Connect™ Administration Client.



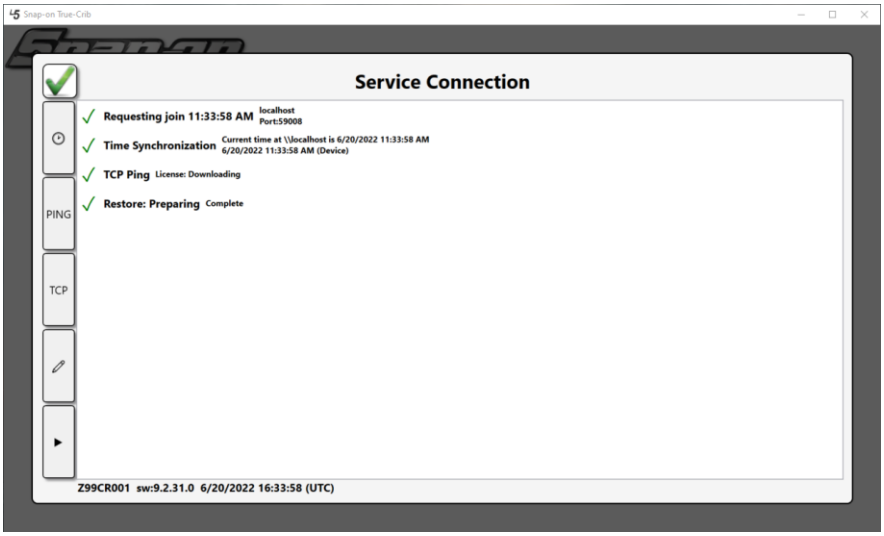
In this case, the SN is Z99CR001. Your SN may differ, so make sure to verify before continuing.

Input the SN in the crib software, then press ENTER.



Now you will follow the same procedure to connect to the Service by selecting Badge. Then the connection type, followed by Hostname and Port.

The Crib will then connect to the Service. If the SN matches a crib in the Service, the data will be downloaded to the Crib.



Click the ✓ button to finish.

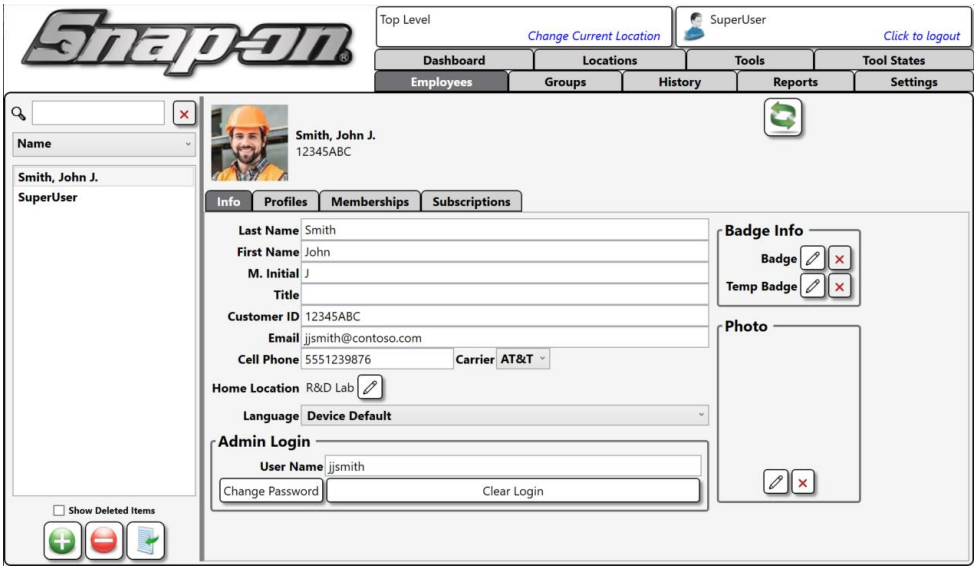
The Crib has been restored and is fully operational. All tools, statuses, and user access will be restored as well. It is as if the software was simply closed and then re-opened.

NOTE: Once you have restored a crib to a new PC. Do not use the old PC for the crib unless you delete the data on the old PC found in C:\ProgramFiles\Tool Control System\ToolCrib this will prevent data conflicts and corruption of data.

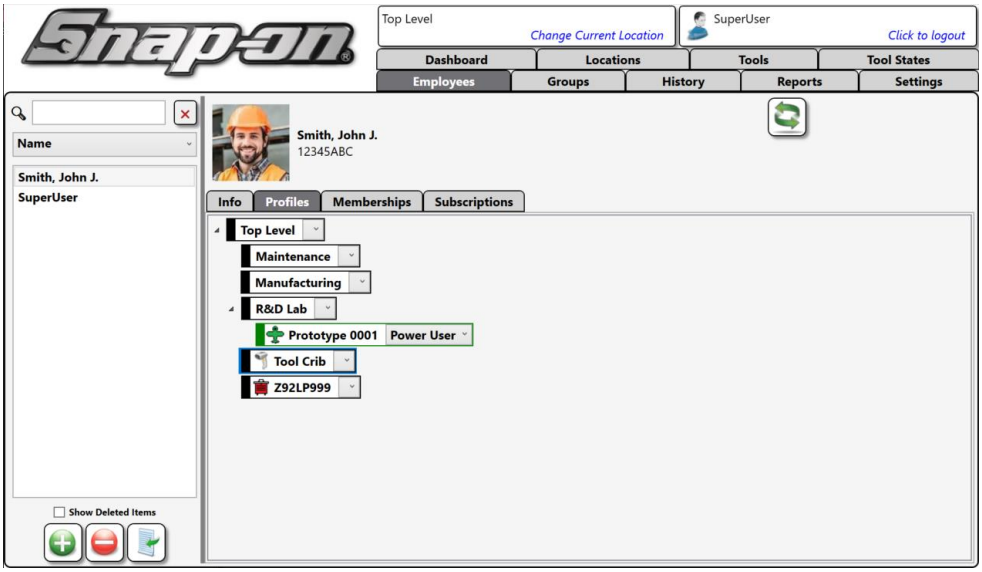
Setting up Attendants

True-Crib requires an Attendant to unlock the software before any tools can be issued or returned. An employee with special permissions is required to perform this action. To set a user as an attendant, you must use the L5 Connect™ Administration Client.

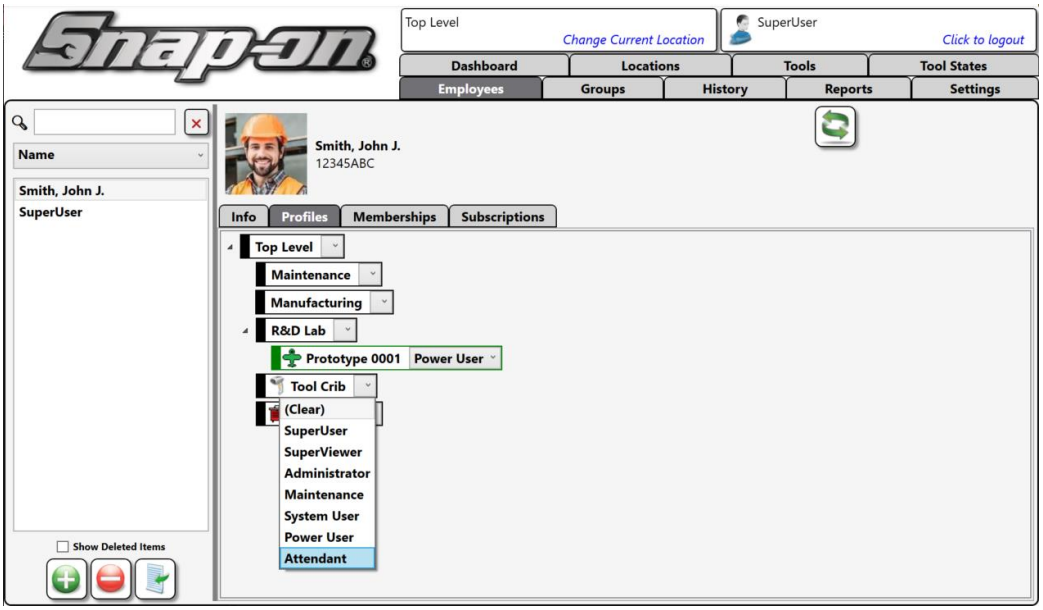
In the admin client, select the user you want to set as an attendant.



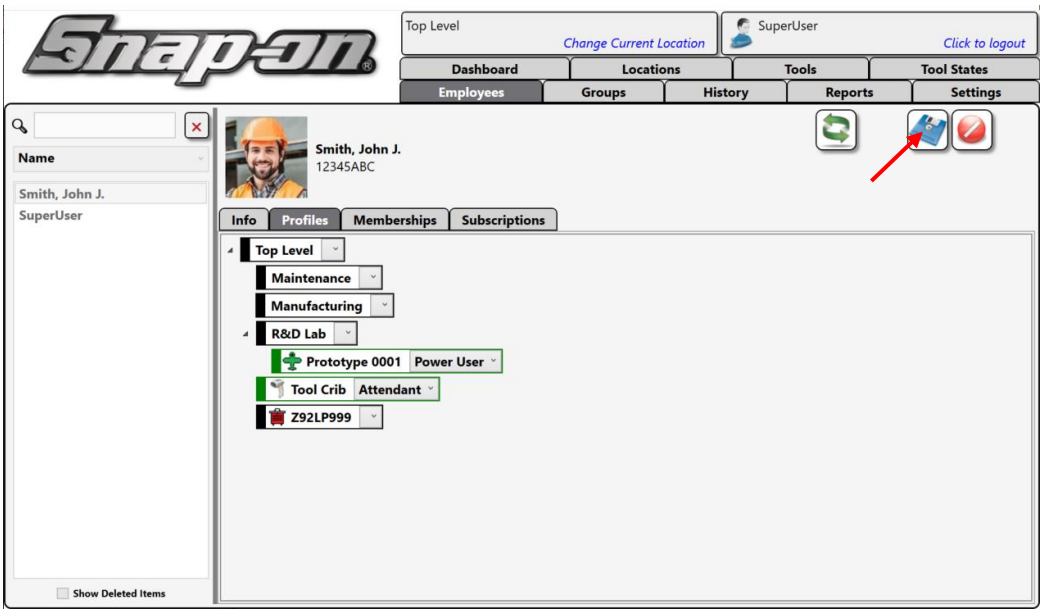
Go to the **Profiles Tab** and select the **Tool Crib**.



Use the pull-down and select the **Attendant Profile**.



Click Save in the Upper right Corner. The Employee can now log in as an attendant.



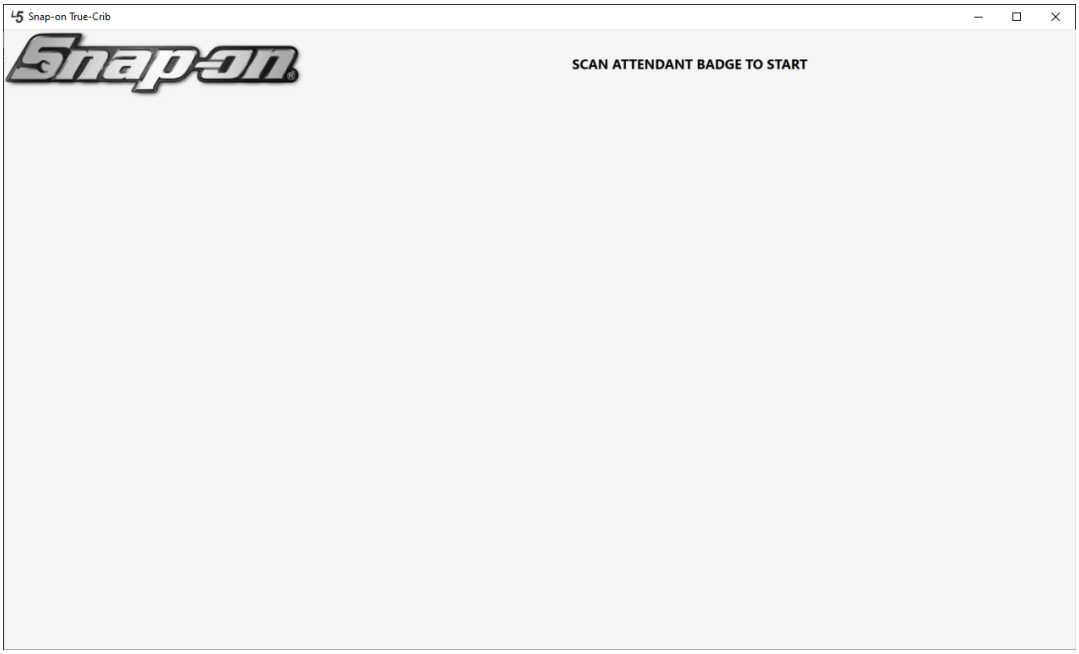
NOTE: Attendant is a custom profile. You must first create the profile before you can assign it to a user. In this case, it is a System User Profile with the added permission Location/Tool Crib Attendant.

For more information and instructions on how to create custom profiles, please see the Profiles Section of the L5 Connect™ Administration Guide.

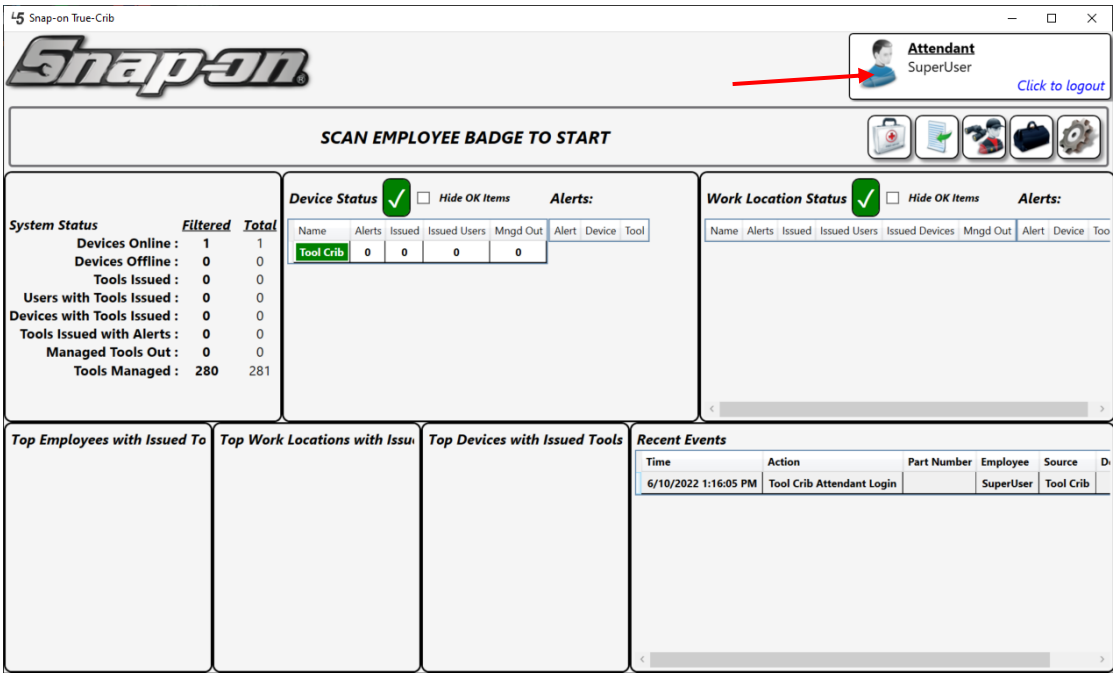
Accessing the Crib

When you start the True-Crib™, you will be prompted to sign in as an attendant. This is the Employee who will be responsible for the Crib. You will need to have the **Tool Crib Attendant** permission granted to you beforehand to log in as an attendant.

To log in, scan your Badge with the RFID card reader.



Once you have scanned your Badge, you will be at the Attendant Dashboard. To log out, tap the Current Attendant button on the upper right-hand side of the screen.



Accessories Configuration

True-Crib™ utilizes several different accessories to function. These accessories can also be used with the L5 Connect™ Administration Client.

L5W3021135	WIRED BARCODE SCANNER
L5W3246510	WIRELESS BARCODE SCANNER
L5W2672073	LABEL PRINTER
L5W3424726	2" x 1" label
L5W3111044	Thermal transfer ribbon

Setting up the Wired Scanner

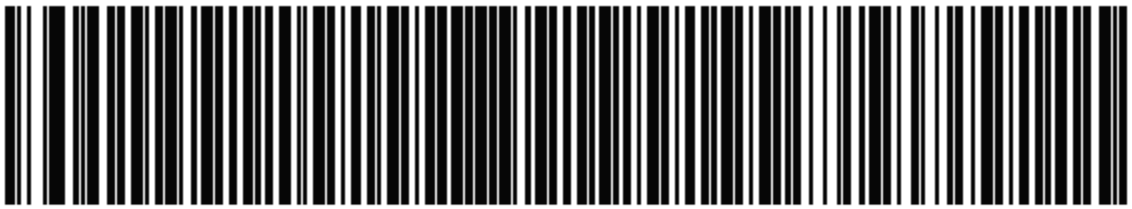
L5 Connect™ supports the following wired barcode scanner

L5W3021135	WIRED BARCODE SCANNER

To set up, plug the scanner into an available **USB port** on the computer that is currently running True-Crib™. Once the scanner has finished booting up (you will hear a series of beeps), scan these barcodes in order:

Set Factory Defaults

IBM Hand-Held USB



Enter Key (Carriage Return/Line Feed)

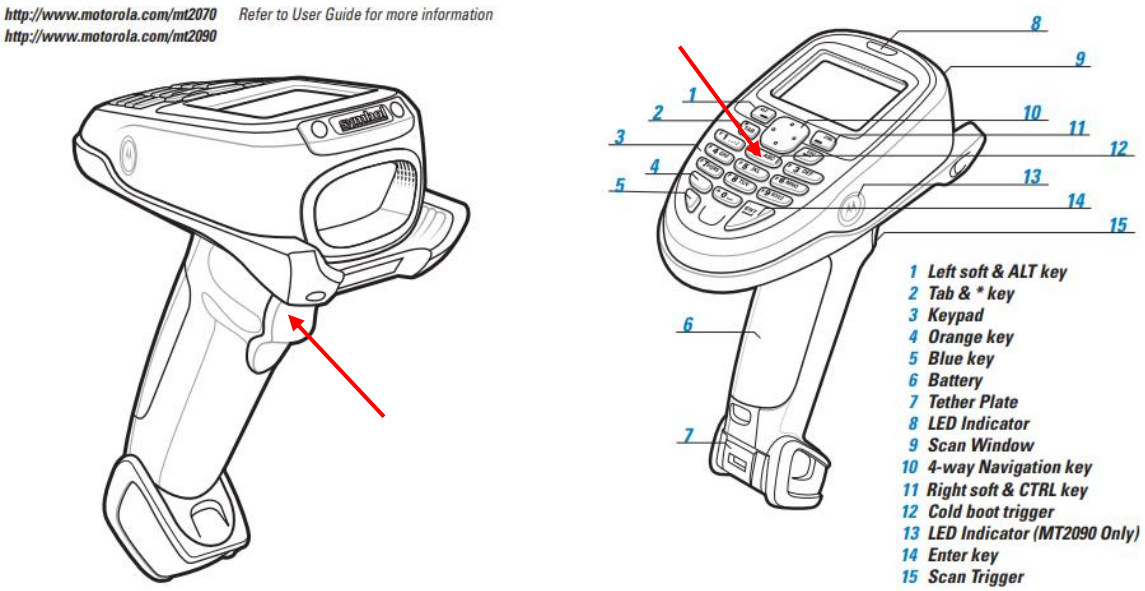
Setting up the Wireless Scanner

L5 Connect™ supports the following wireless scanner with a cradle:

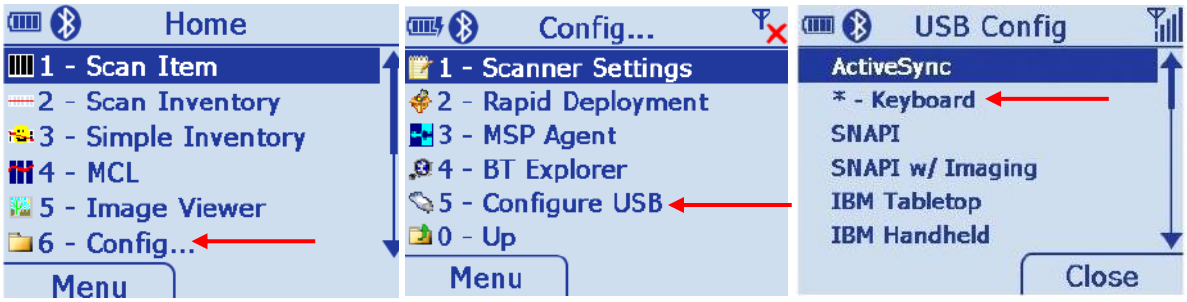
L5W3246510	WIRELESS BARCODE SCANNER

Before starting, make sure the Cradle is connected to the PC running the True-Crib™ software via USB.

First, you need to reset the scanner. Press and hold the #2 button and the Scan trigger for 10 sec. That will reset the device to factory settings.



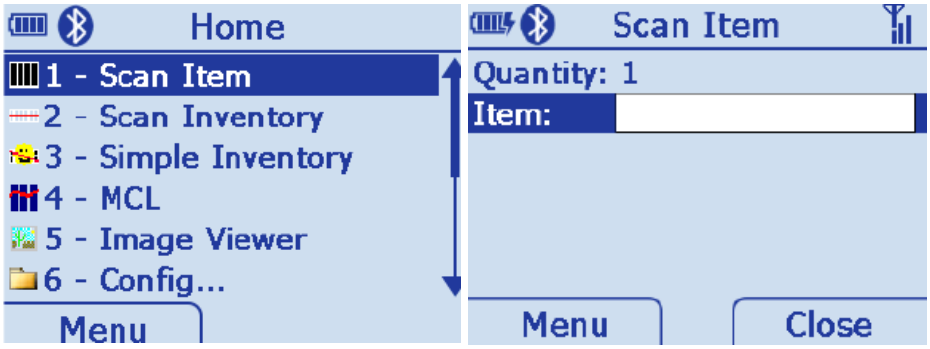
Next, you need to configure USB mode. Once the scanner reboots, go to **6 Config** -> **5 Configure USB**. Make sure **keyboard** is selected. It will have a * by it.



You may need to scan the barcode to add a carrier return to the end of the scan.

Lastly, you need to pair the scanner to the Cradle. Press the Esc button x2 on the scanner to return to the main menu.

Select **1 Scan Item,** then scan the **PAIR** barcode on the Cradle.



Once you have done that, the scanner should be configured and ready to use.

Setting up the Label Printer

L5 Connect™ supports the following label printer, transfer ribbon, and labels:

L5W2672073	LABEL PRINTER
L5W3424726	2" x 1" label
L5W3111044	Thermal transfer ribbon

To install the label printer, follow the instructions included with the device.

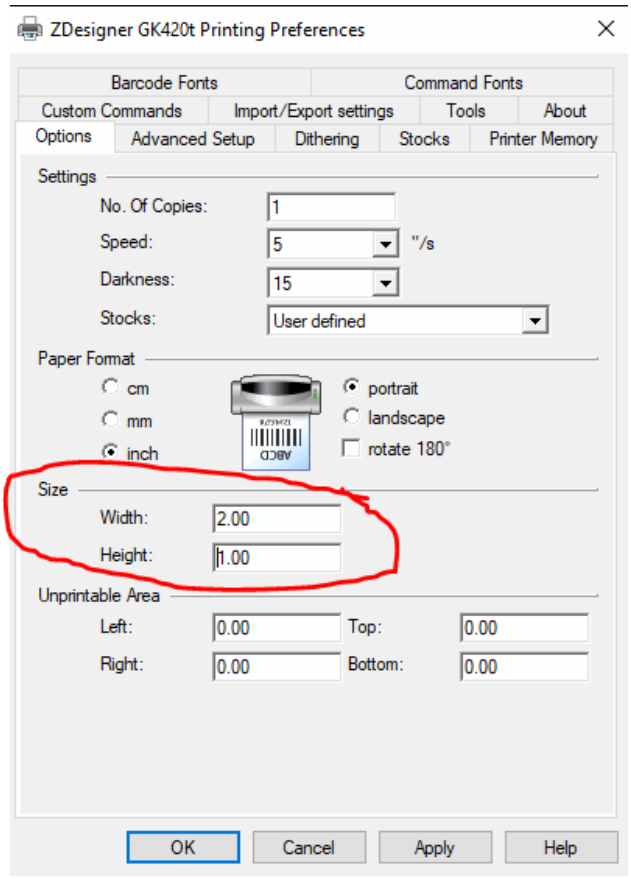
Setting the Label Size

After installing the software and setting up the printer, you will need to set the label size.

Open Windows settings -> Devices -> Printers & Scanners

Find the Zebra Printer in the list, click on it and then click manage

Next, click on Printer Preferences, and in the Options Tab, under Size, set the Width to 2 and the Height to 1

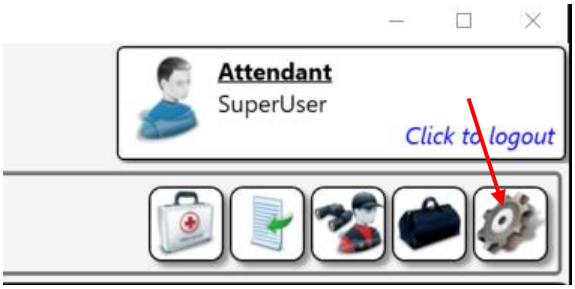


Click OK and close Windows settings.

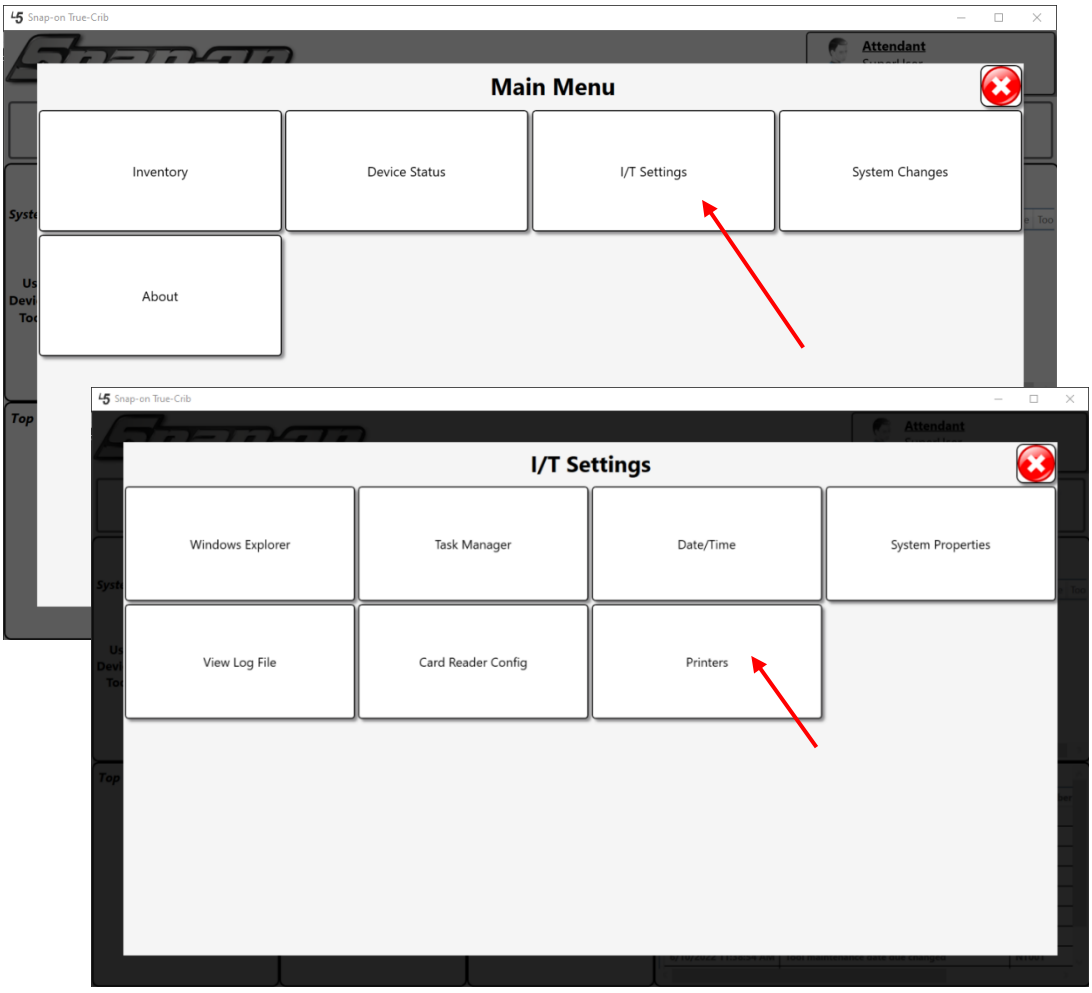
Setting True-Crib™ to use the Label Printer

After setting the label size, you will need to associate the printer with the True-Crib™ software.

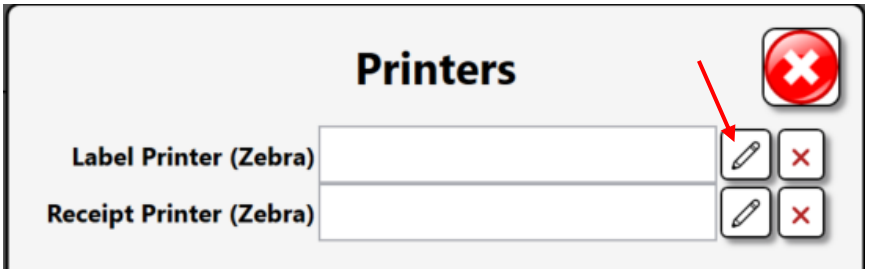
Within True-Crib™, unlock the system and go to settings.



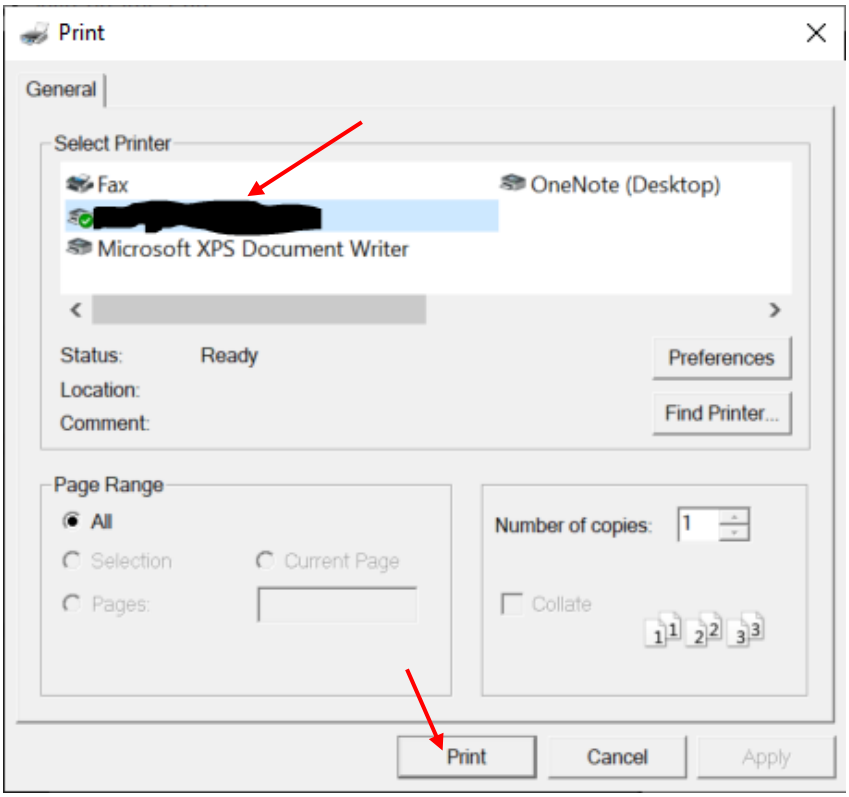
Select IT Settings, then Printers



Once on the Printers Settings page, click the ✏️ button to the right of Label Printer.



Select the Zebra Label printer from the list and click Print.



The Printer name will display in the textbox. Click the ✓ button to save.

Importing Tools

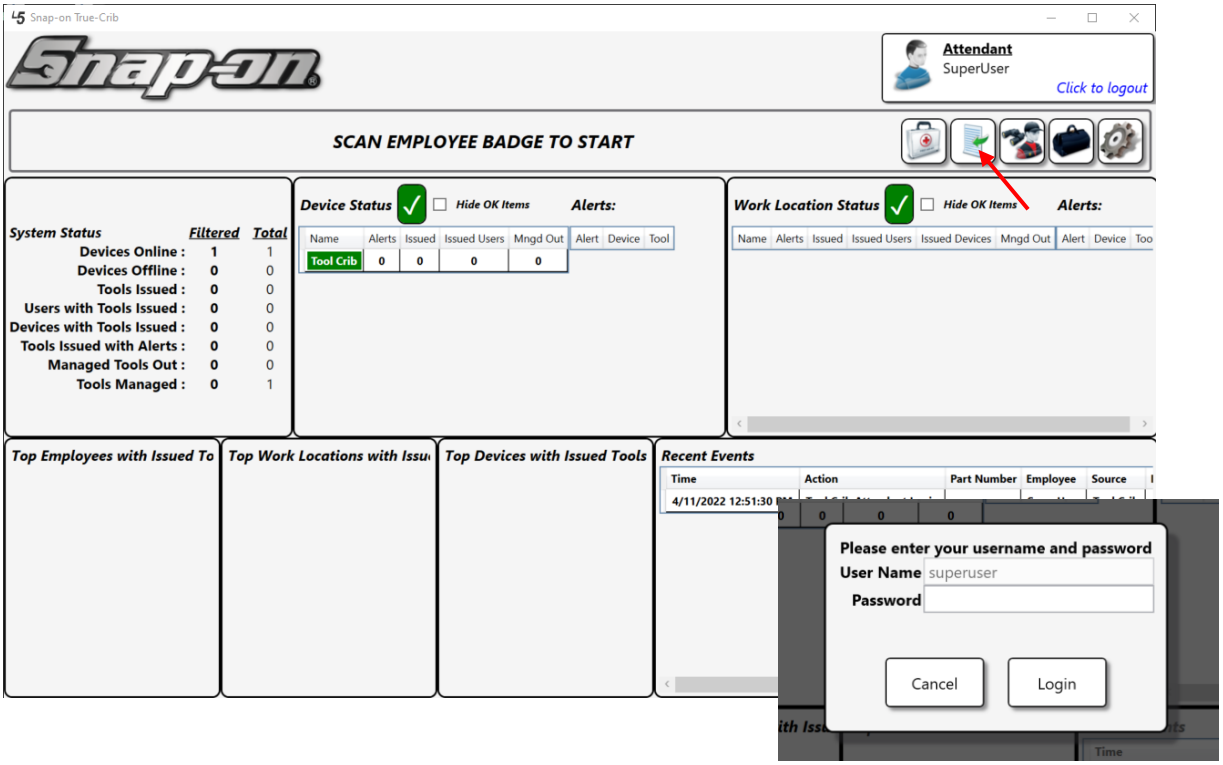
When setting up True-Crib™ for the first time or adding several new tools to the Crib, it can be very time-consuming to input all that information one tool at a time. Tool importing would cut that time down significantly, allowing you to be more productive.

You can use the Tool Import wizard if you have a list of the tools in an Excel format (.xslx). To start, you must be logged in as an Attendant and have the appropriate permissions to import tools.

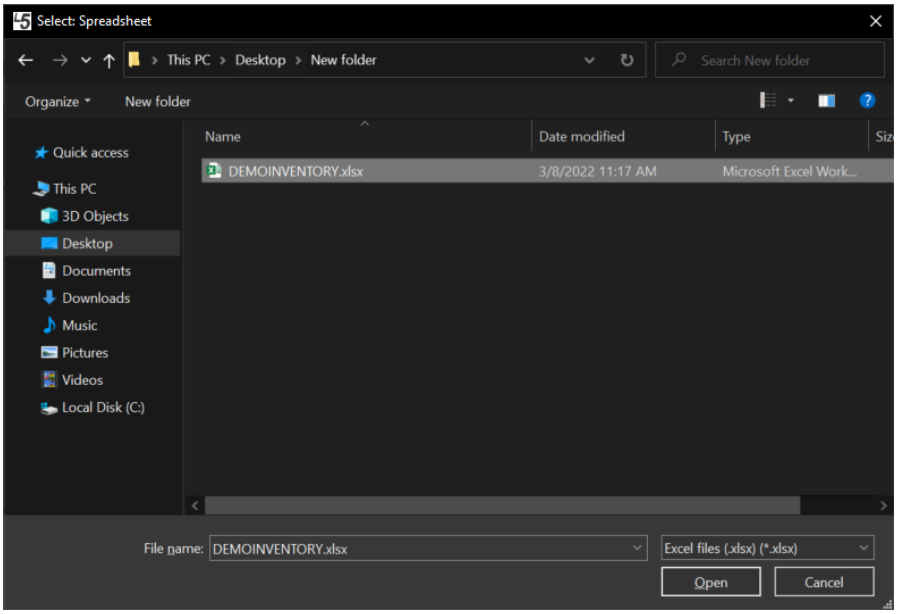
The tool properties that can be imported are:

Customer ID – Custom ID defined by the customer
Description – The Tool Name or short description of the tool
Issue Behavior – The type of tool (See Tool section of Administration Guide)
Location – The sub-location within the Crib that the tool will reside
Parent – For Kits, this is the **Parent (Key)** in which this tool belongs to
Parent (Key) – For Kits, this is the ID to identify a kit Parent **(Must be unique)**
Part Number – The Part Number of the Tool
Quantity – the number of instances that needs to be created
Serial Number – the serial number of the tool
Tag – RFID or Barcode for the tool
Units – the amount of something that is given to an Employee on a single issue

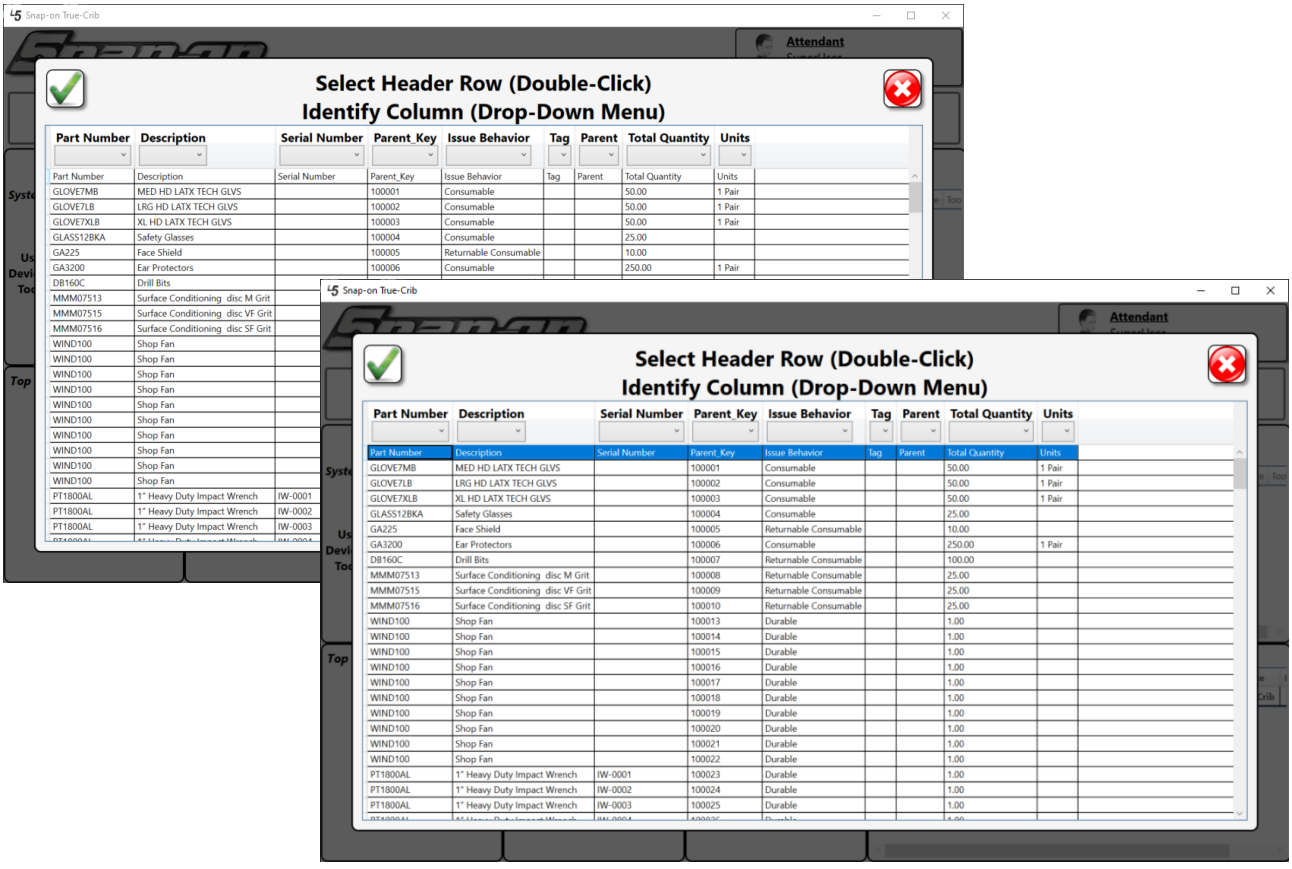
On the True-Crib™ Dashboard, click on the Import Tools Button to import your tools. You will then be prompted to log in with your admin username and password.



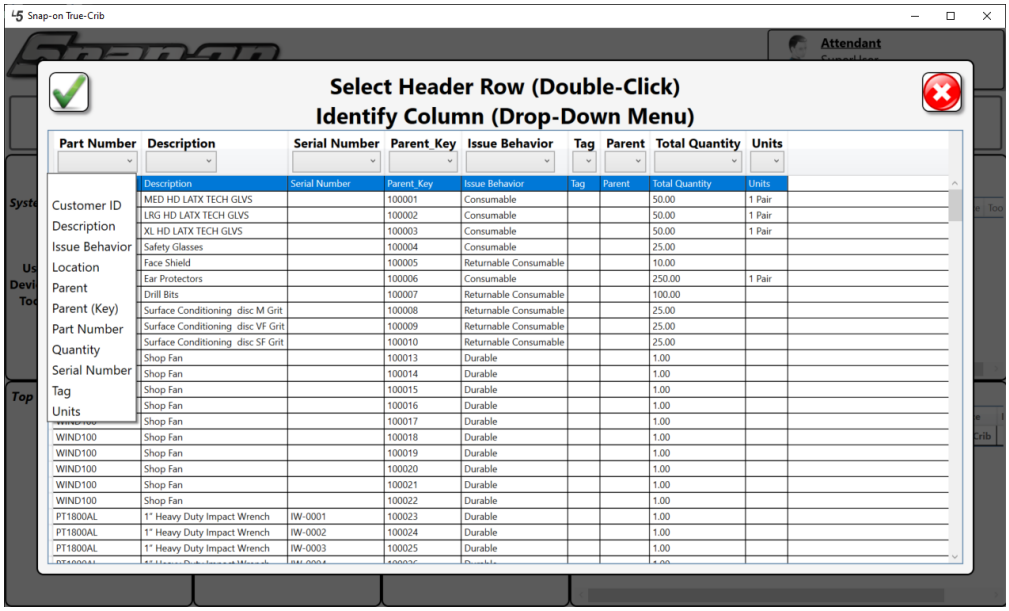
Then you need to select the file you want to use for the import.



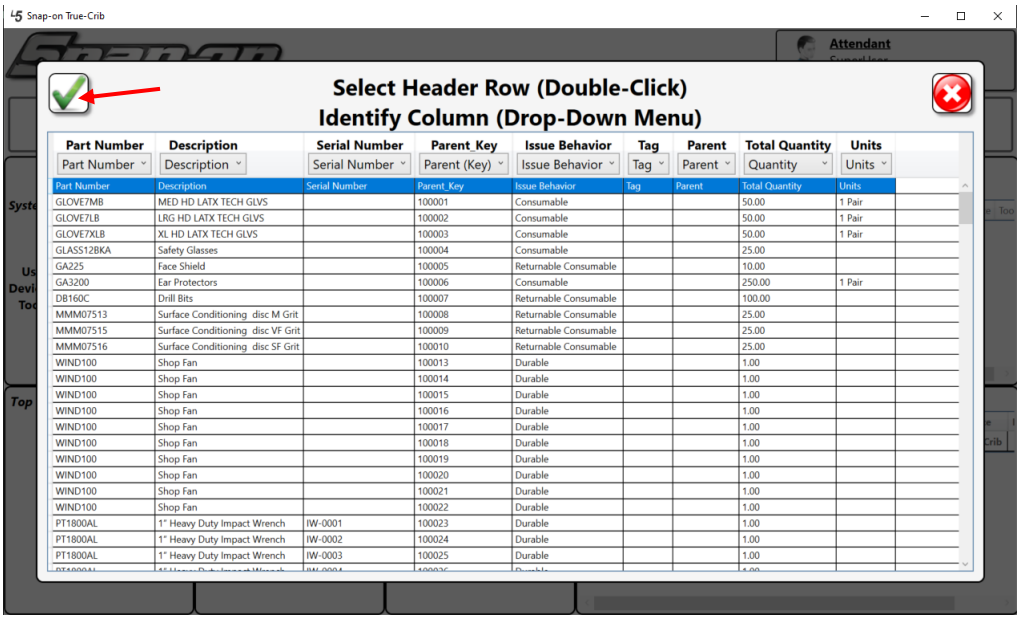
Once you have selected the file, the wizard will want you to define some data on the screen so it can read it correctly. Next, you will need to click on the row containing the data headers.



Then you will need to use the pull-downs and select what the headers are.



Once you have this selected, you can click on the Import Button ✓, or you can click on the X to cancel.



The tools should now be added to the Crib.

Note: When attempting to import a tool in which a MASTER already exists in the system, you will instead add an additional instance of that tool.

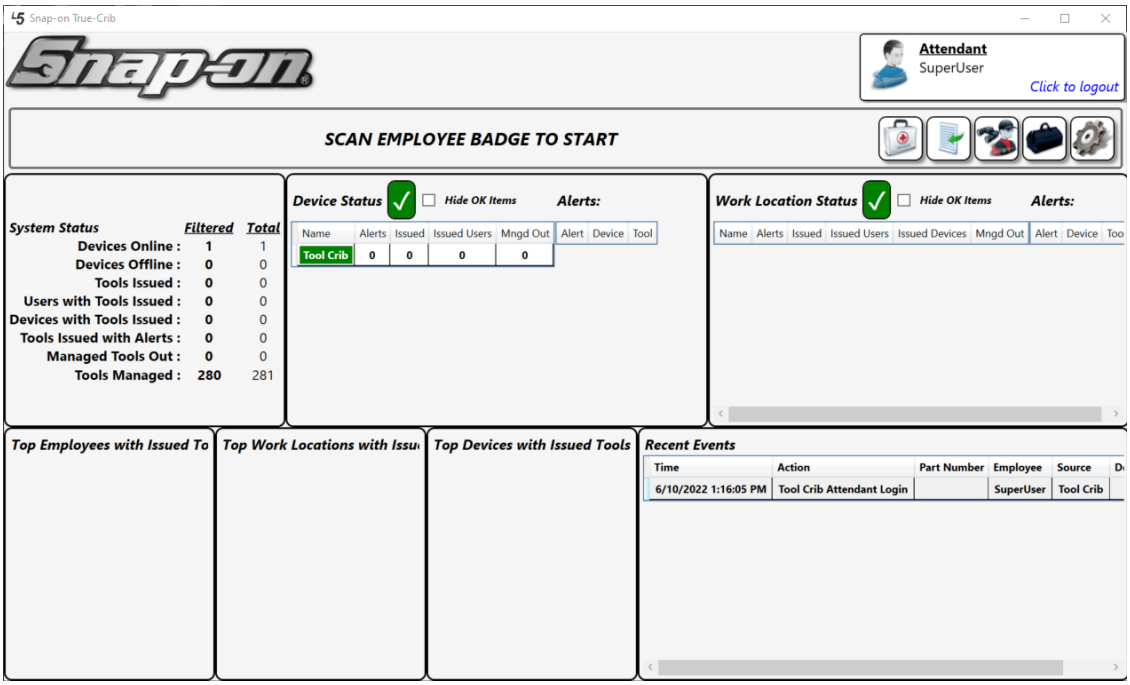
Issue and Return Tools

Once an attendant has signed into the True-Crib™, they can then begin to issue and return tools. All tool exchanges are done manually by the Crib Attendant. Employees authorized to utilize the tool crib must have permission to the tool crib for the attendant to issue and return tools to them.

When the Employee scans their Badge, it starts a session in which they can check out and return tools simultaneously. All transactions are saved when the session is closed. The Employee will then be presented with a summary screen letting them know how many tools were issued and returned during the session.

Issue a tool

To issue a tool, an attendant must log in to unlock the system. While on the True-Crib™ Dashboard, an employee must scan their Badge to start the process.

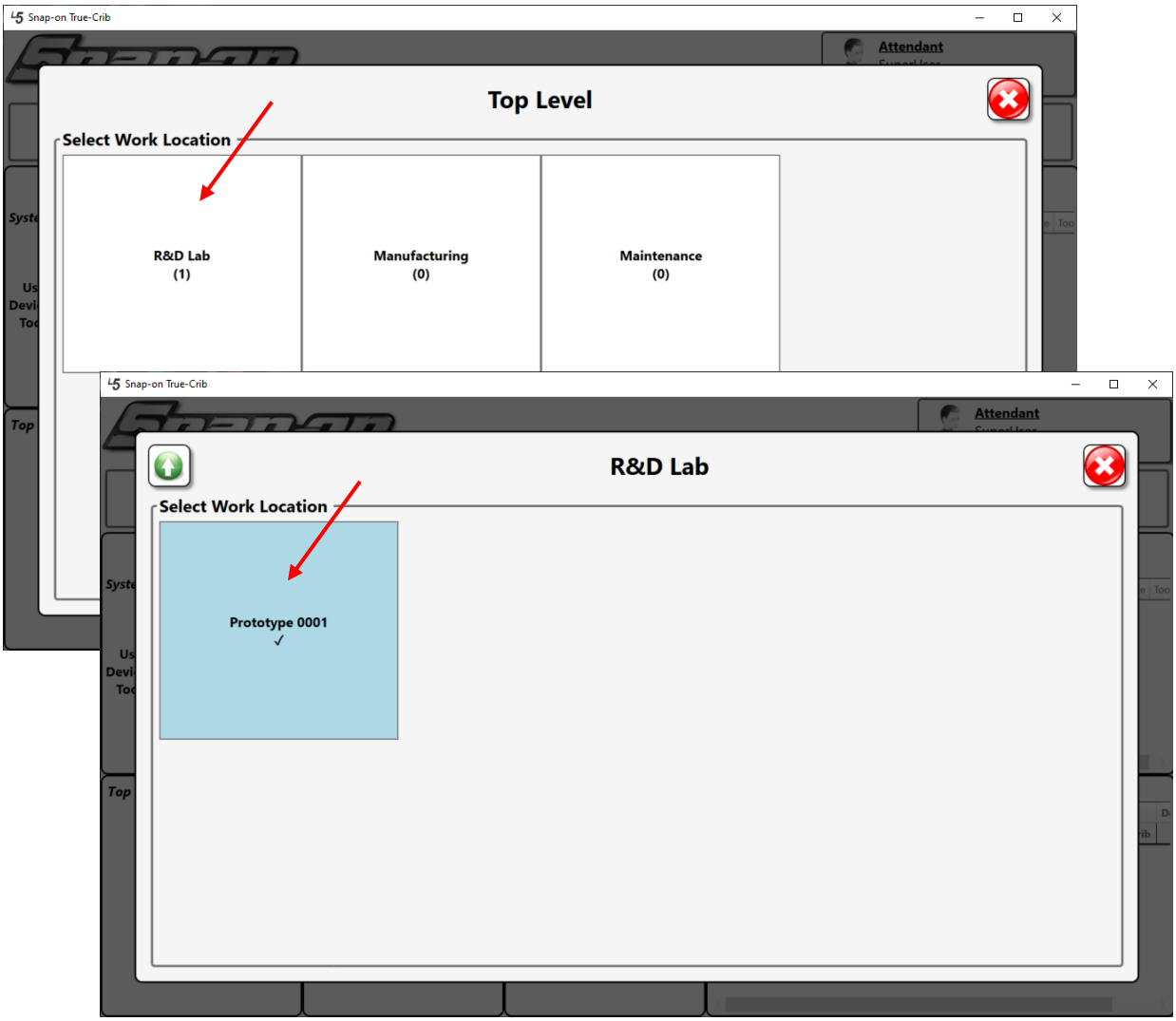


Once True-Crib™ scans the Badge, it will prompt you to select a **Work Location** if one is present.

If there are no work locations in the system, this prompt will not display.

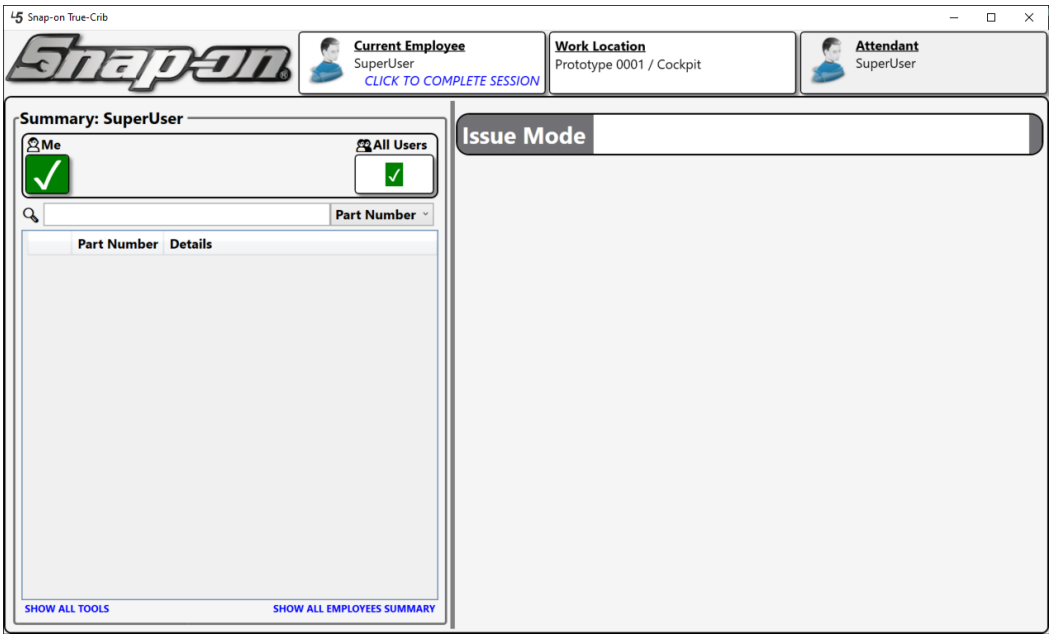
Note: More information about Locations can be found in the L5 Connect™ Administration Guide.

The example below shows three locations with the R&D LabLocation containing 1 Work location. First, select R&D and then select Prototype 0001 as the work location to assign the tool.

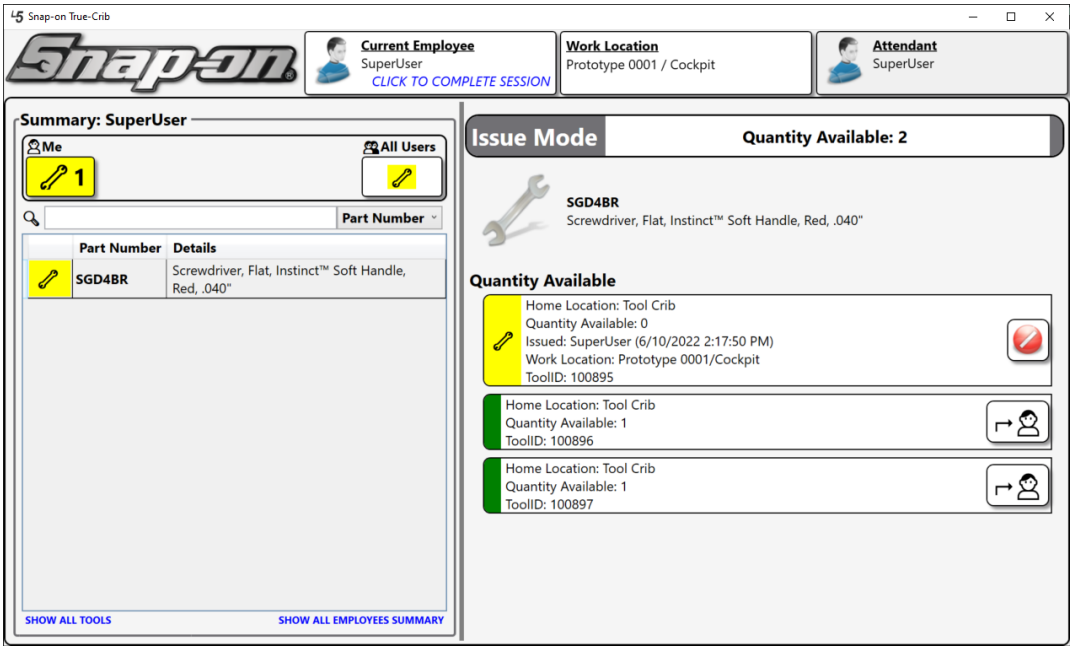


NOTE: Even though you can navigate the entire Location Tree, you will only see work locations that the employee has access to.

Once you have selected a **Work Location** (if available), you will be presented with the tool issue and return screen.



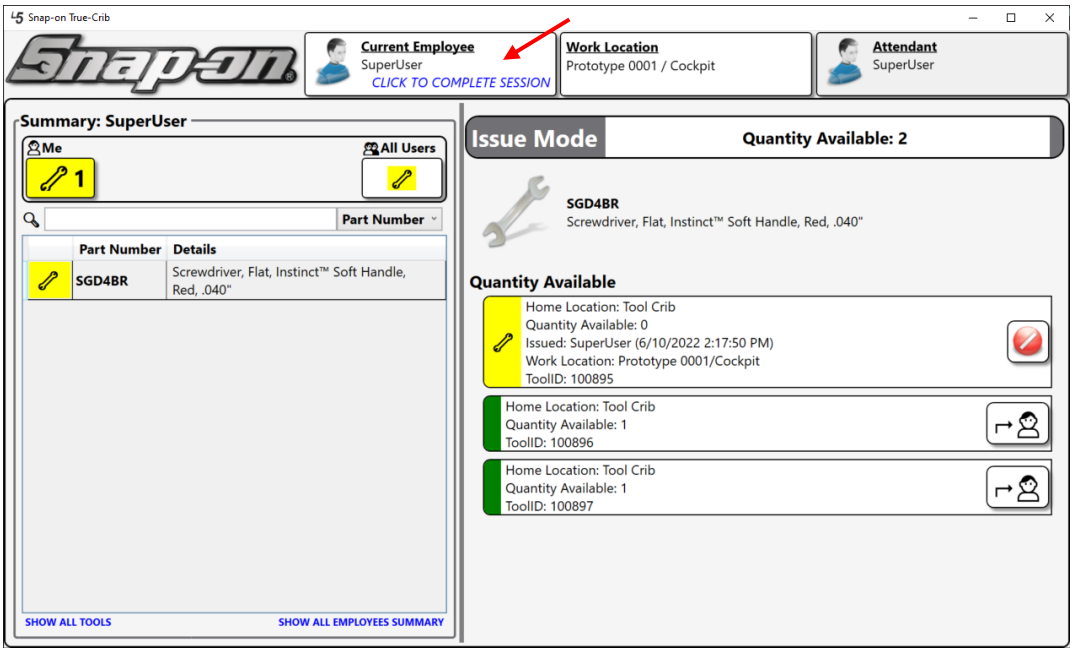
True-Crib™ can utilize barcode tags that can be scanned to issue and return tools quickly. For example, scan the barcode for a **.040" Flat-head Screwdriver**. Once you do, the system will find the chosen tool and select one instance of that tool to be issued if there is one available.



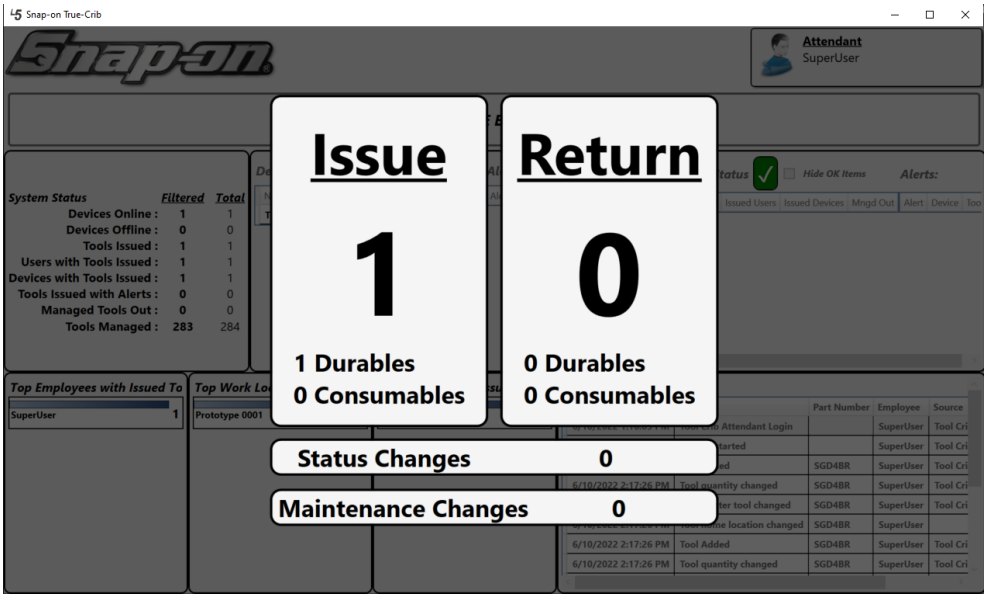
NOTE: If there are not Tool Instances available to Issue, you will receive an error via audio feedback. For more information about tools and Instances, please read the Tools section of the L5 Connect™ Administration Guide.

If the wrong tool instance is selected accidentally, you can clear your selection by clicking on the cancel button.

Now that you have scanned the tool and selected an available instance, you are ready to end the session and issue the tool to the Employee. The Employee will need to either swipe their Badge again or click on the **Current Employee** button to complete the transaction.

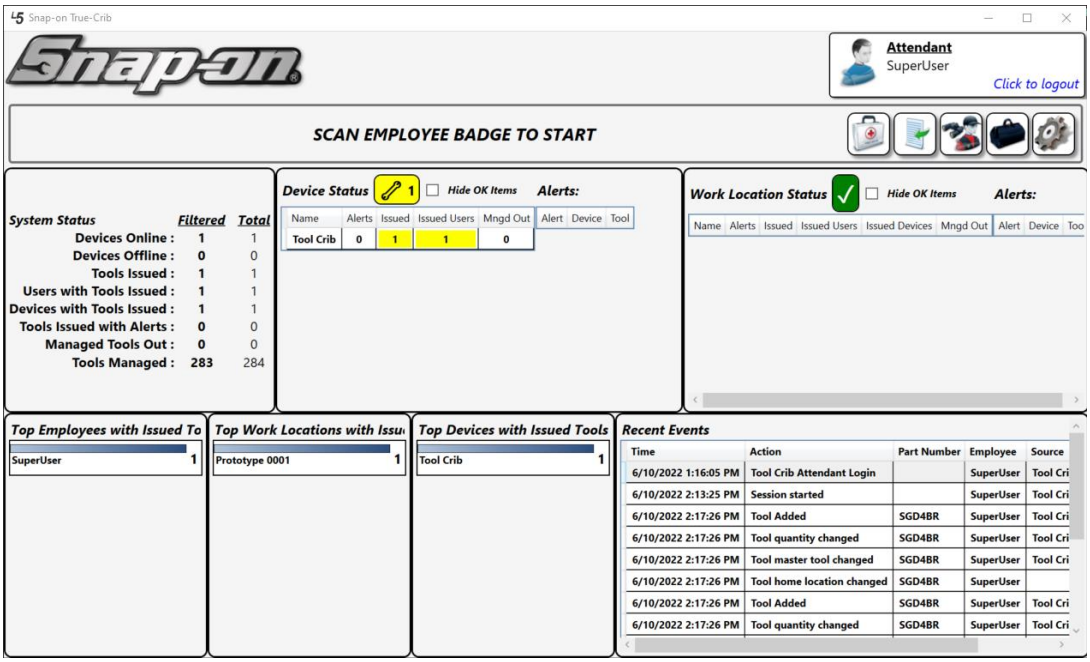


You will then be presented with a transaction summary that displays the number of tools issued/returned during the session.

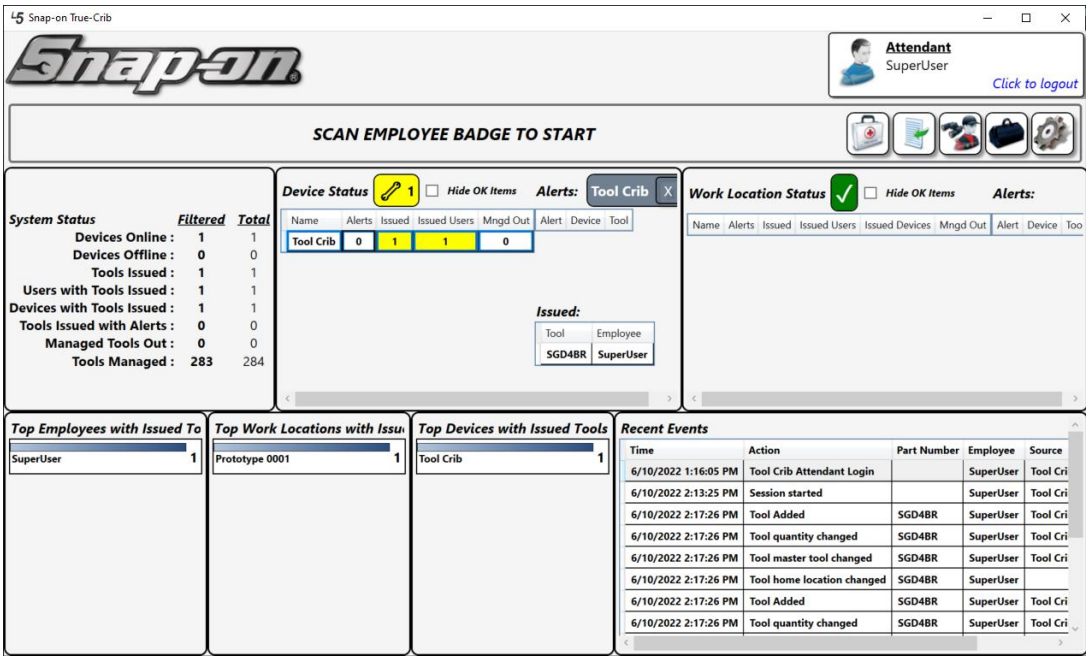


The tool is now issued to the Employee.

You will now notice that the Dashboard has been updated to reflect the new status of the tool that was just issued.

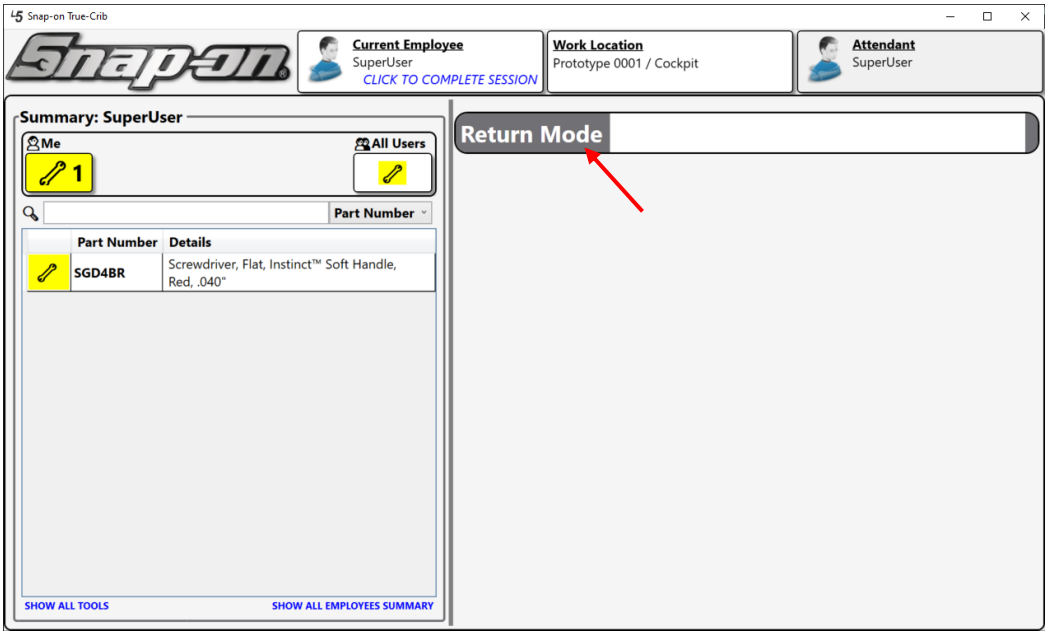


Suppose you click on the device with the! Status, you will get the tool-issued information. You can click on the X to clear the tool info from the screen.



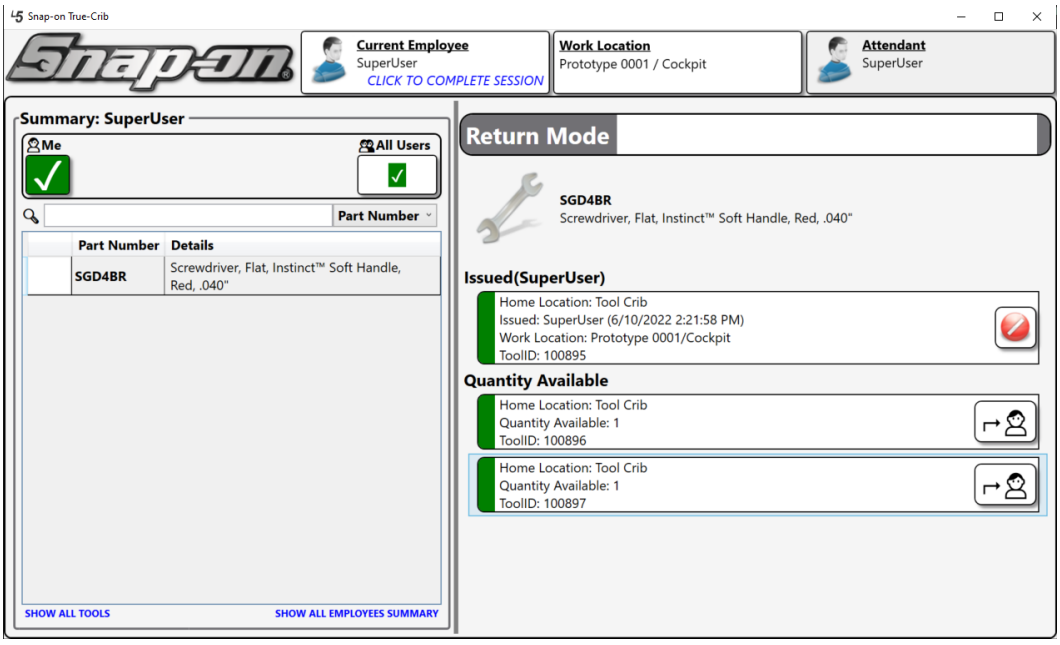
Return a Tool

Returning a tool follows a similar process as issuing a tool. First, an attendant will unlock the system. Then, the Employee will use their Badge to start a session and select a **Work Location** (if available). This time when they do, since they have tools checked out, the system will default to a **Return Mode** instead of **Issue Mode**. You can switch between these modes by clicking on the **Mode Toggle** button.

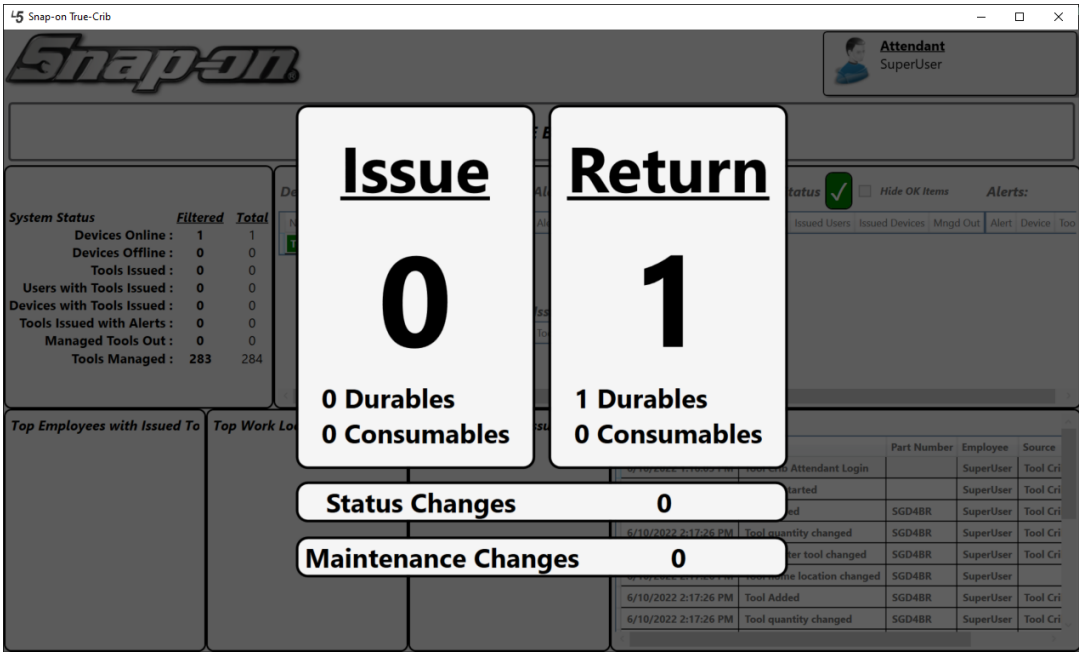


Switching between these two modes during a session will allow you to check-in and out tools within the same session. You can also press **I** or **R** followed by **Enter** on the keyboard to switch modes quickly.

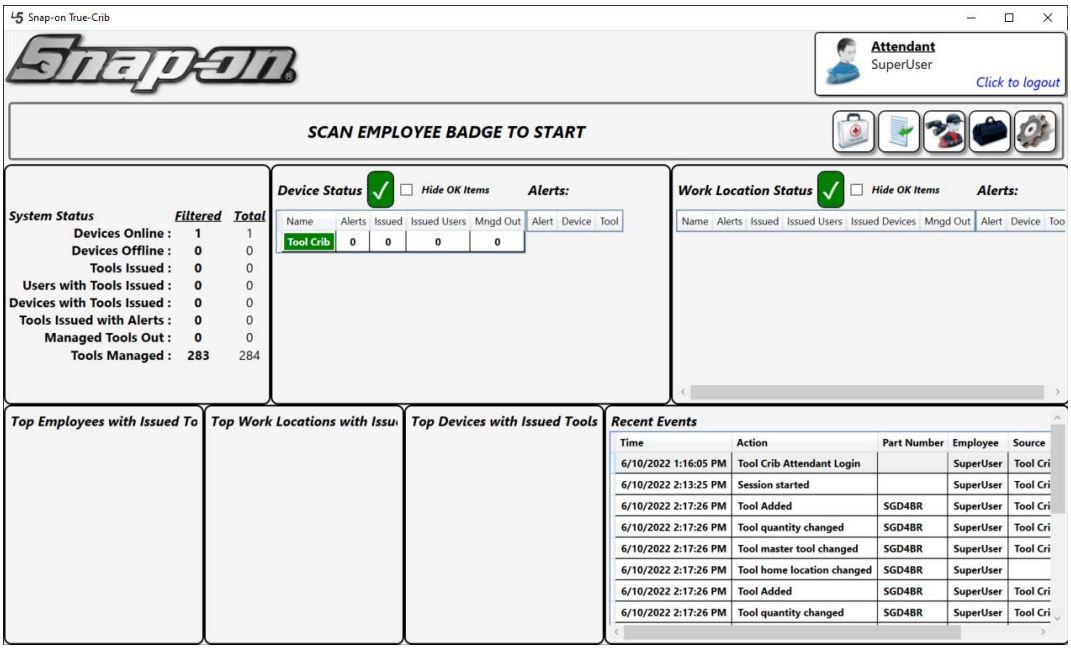
In **Return Mode**, scan the barcode for the tool to be returned. When you do, the assigned instance will be marked for return.



Click on the Current Employee Button to close out of the session to complete the return.



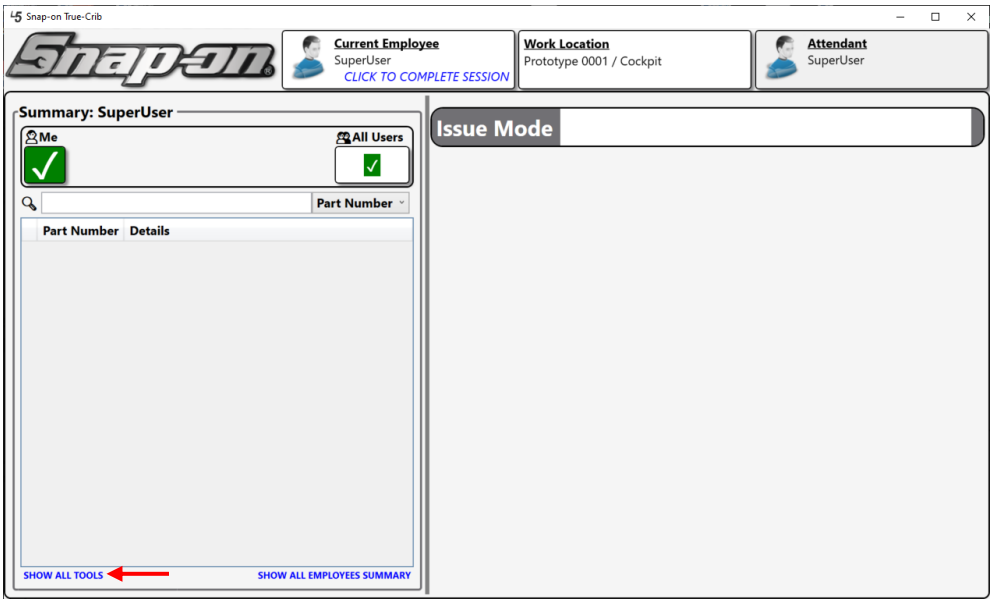
The tool has been returned to the Crib, and the Dashboard has been updated with the new information.



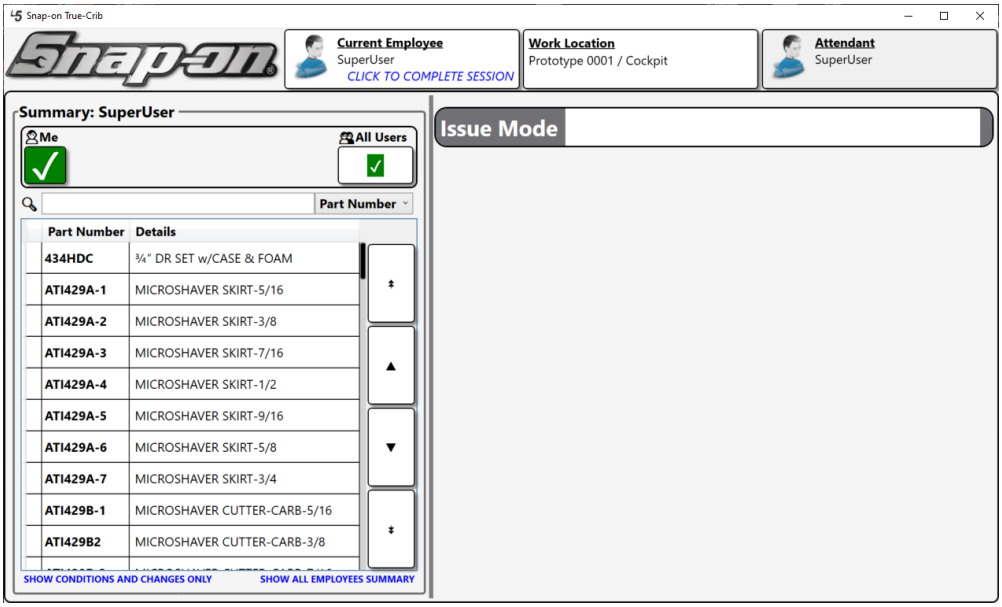
Tools without barcodes

Sometimes, you may have a tool where a barcode has fallen off, becomes unreadable, or is otherwise unavailable. You can still issue and return these tools manually. To do this, You will need to search for it in our tool list.

In the default view, you will only see tools currently issued to the Employee. To see all tools, click the **SHOW ALL TOOLS** button in the lower left-hand corner.

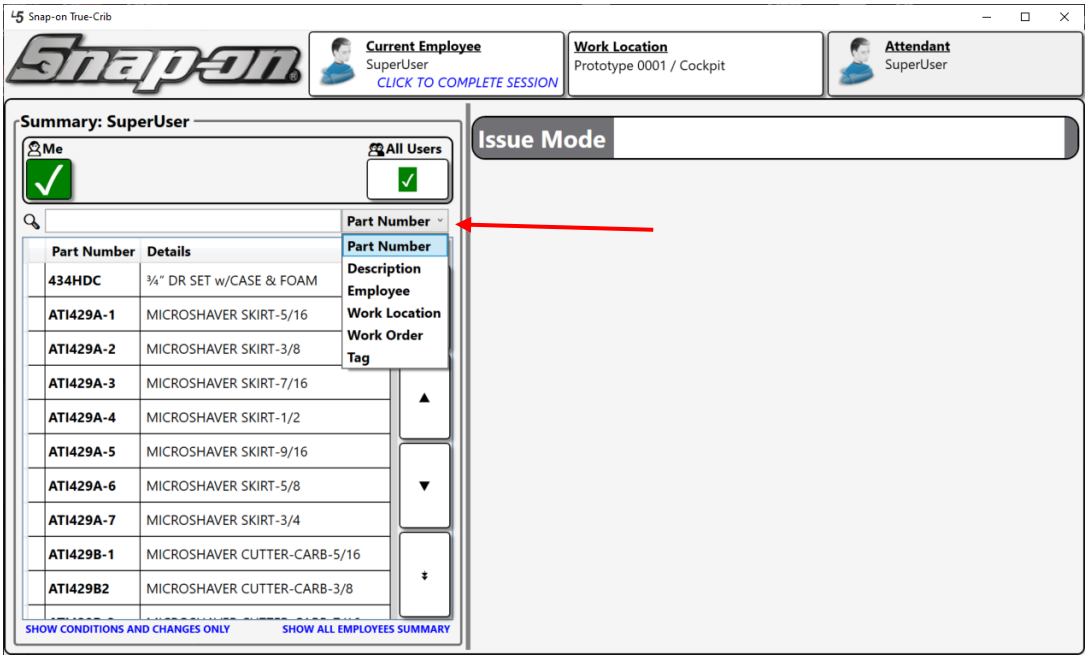


This will list all tools within the Crib.

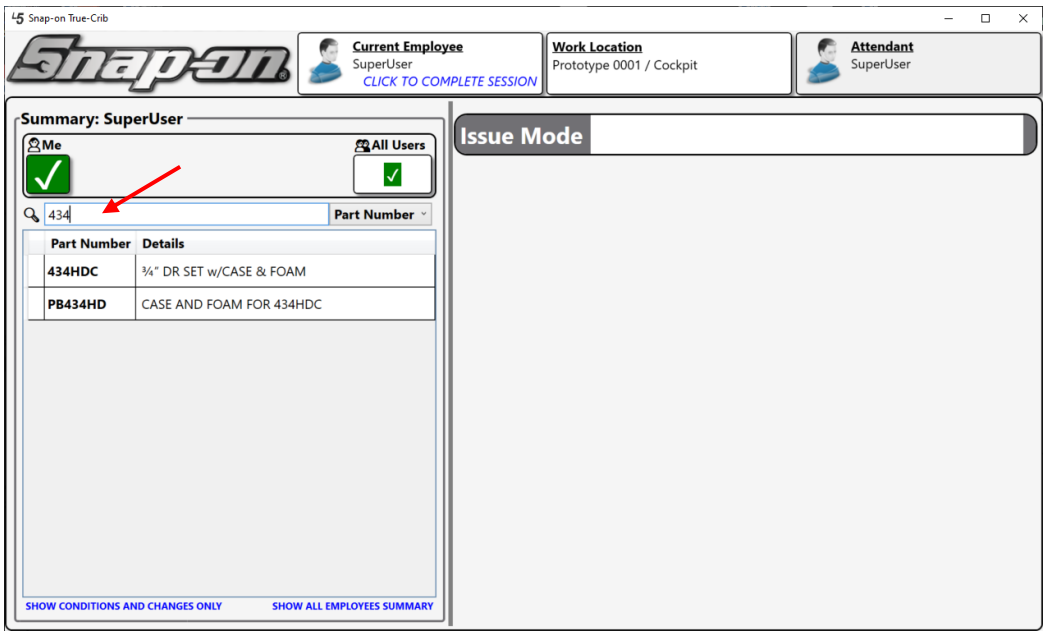


In larger cribs, this list can become quite long. To assist the attendant in finding the correct tool, there is a search feature within the tool list. This search can be used to filter the list. The pull-down by the search box allows you to search by the following:

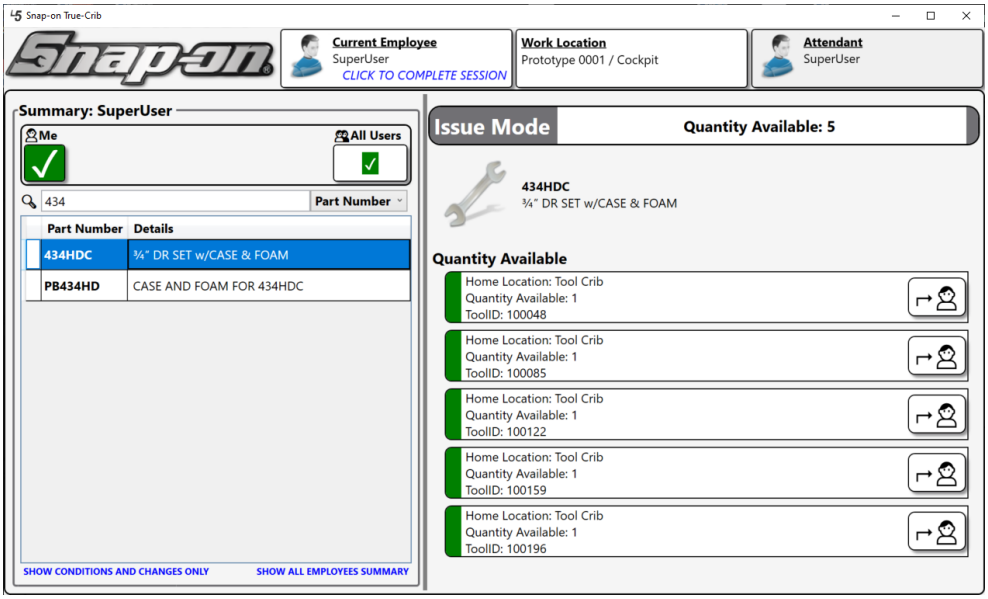
PART NUMBER – Search based on the tool's internal part number.
DESCRIPTION – Search based on a description of the tool in the system.
EMPLOYEE – Search for the tool to Employee it was issued.
WORK LOCATION – Search for the tool based on the Work Location it was assigned.
WORK ORDER – Search for the tool based on the Work Order used to issue the tool.



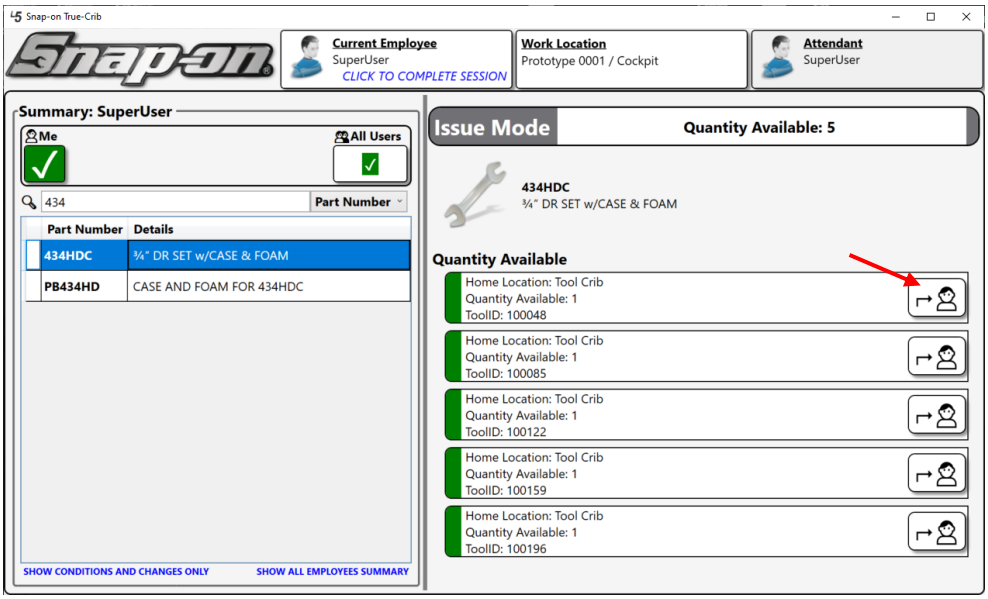
This search bar is contextual, meaning that it will begin filtering the list as you type.



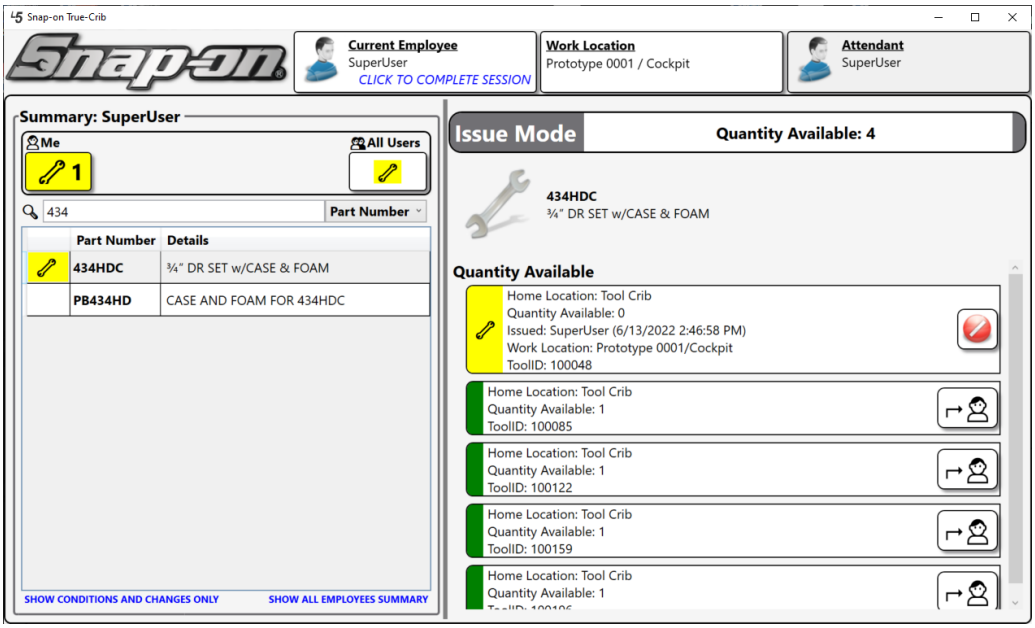
Once you have filtered the list and found the tool you are looking for, click on the tool. You will be given the **Tool Instance** sub-screen. This screen will display all instances of that tool within the Crib.



As You can see, this Crib has five DR Sets available. To issue one of these to the Employee, click on the issue button on the right side of the tool instance you wish to issue.

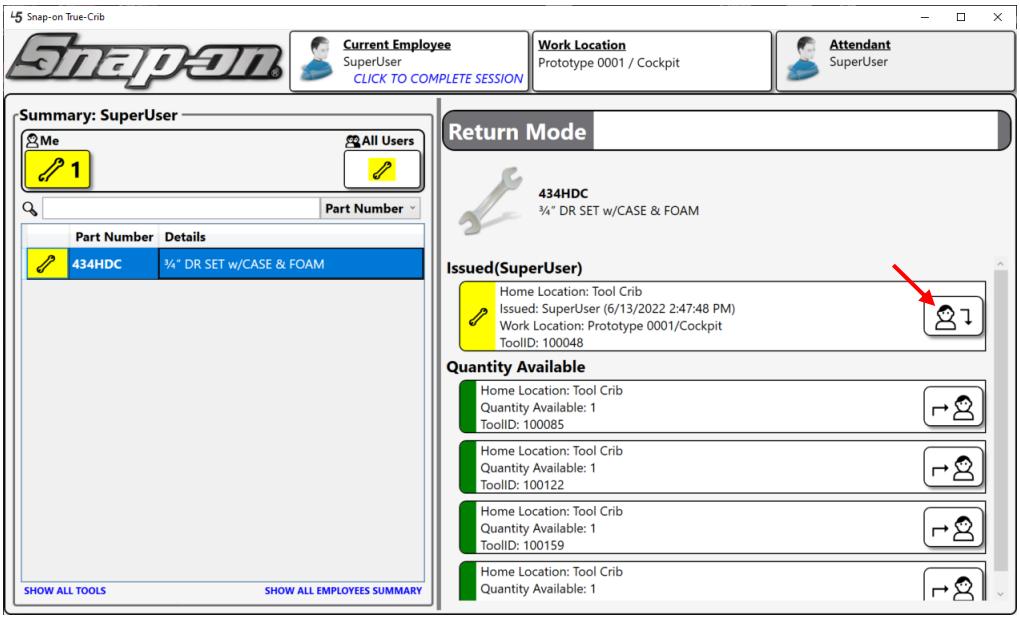


Once you click the Issue button, the tool will be marked as a pending issue. You can cancel the pending issue by clicking on the cancel button to the right of the selected instance.



If no more tools need to be issued, you will close the session the same way as you normally would.

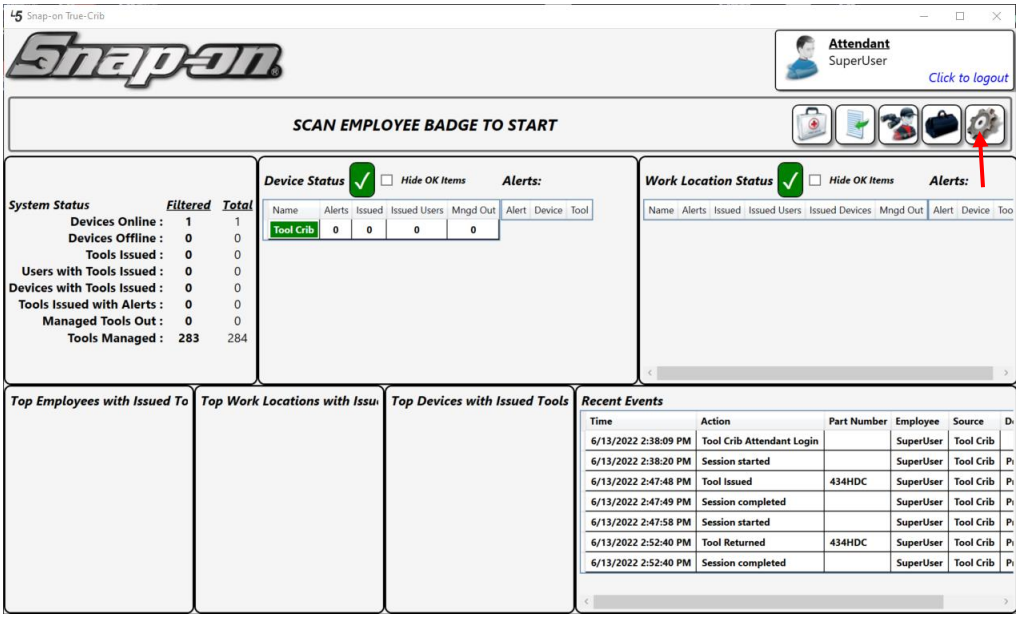
To return a tool manually, an Employee will log in normally. When they do, it will display a list of tools they currently have issued like normal. Simply select the tool from the list and click on the RETURN button to place the tool in a pending return.



Once you have all tools ready to return, the user will log out like normal, and the tools will be returned to the Crib.

Settings

True-Crib™ has several settings that can be configured by accessing the settings menu. You can access this menu by clicking on the cogwheel icon on the main page.



The settings menu will give you access to the following options:

Inventory – List the complete inventory of all tools in the Tool Crib.

Device Status – Display all Information and statuses applied to the Tool Crib

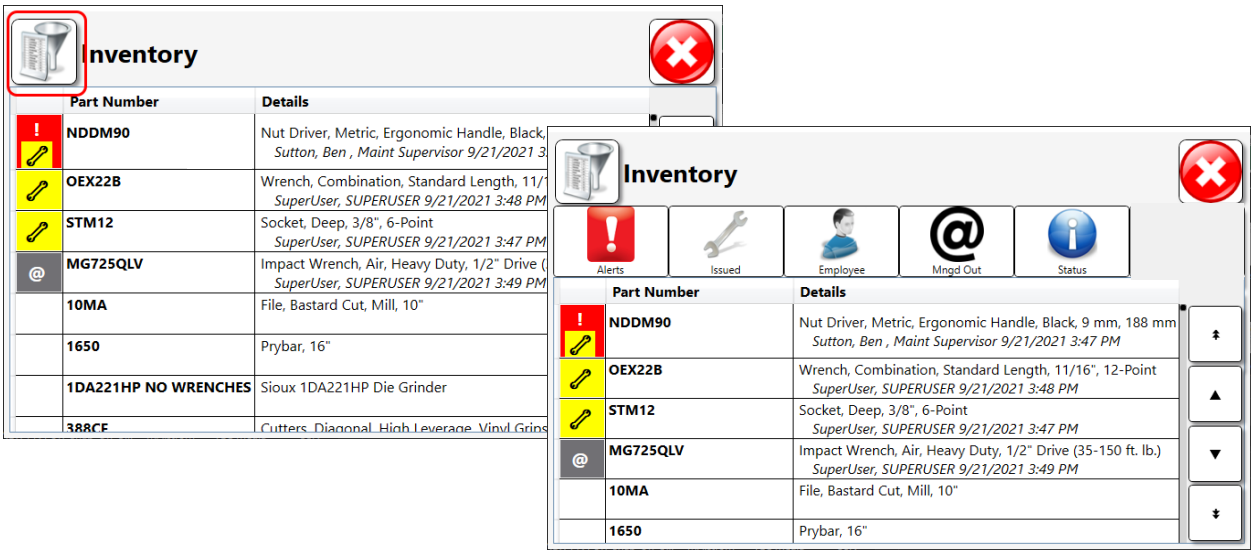
I/T Settings – Grants access to windows settings and configurations for the Card Scanner and Printers

System Changes – This allows you to create a custom dashboard for the main page.

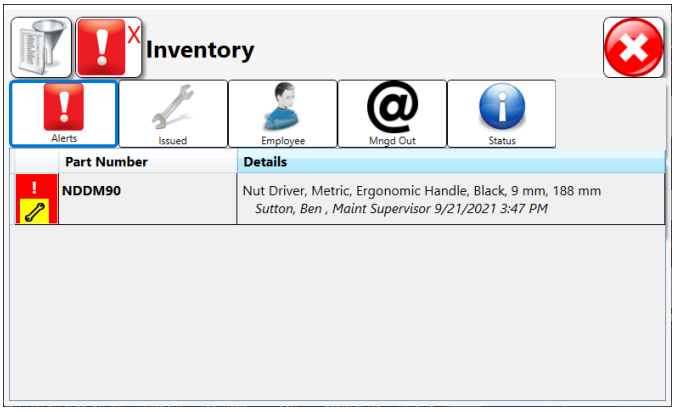
About – Displays Device information, Last Person to access the system, and License information.

Inventory

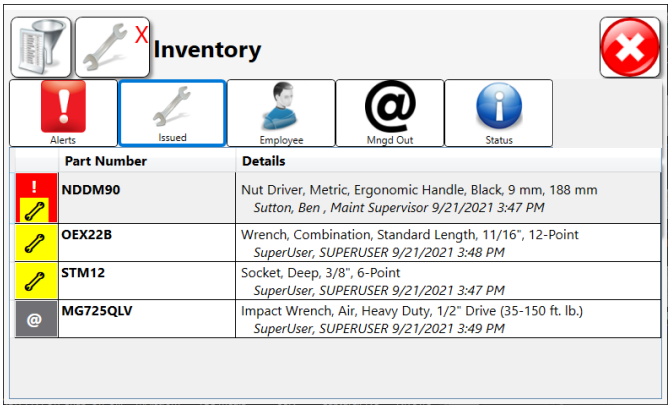
The inventory screen displays all known tool instances that have been assigned to the device. You can filter the list based on several criteria. To access the filters, simply press the show filters button:



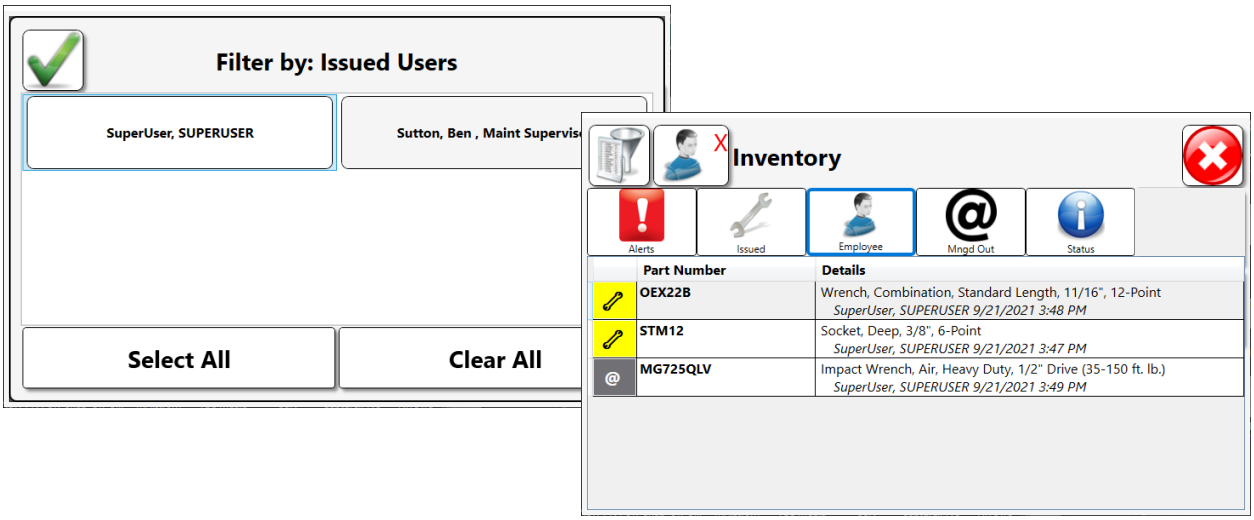
Alerts: This Filter will hide any tool that doesn't have an Alert status.



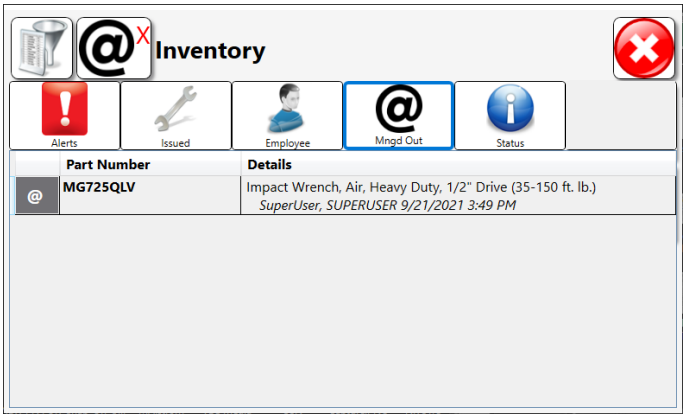
Issued: This filter will only show tools that have been issued to a user.



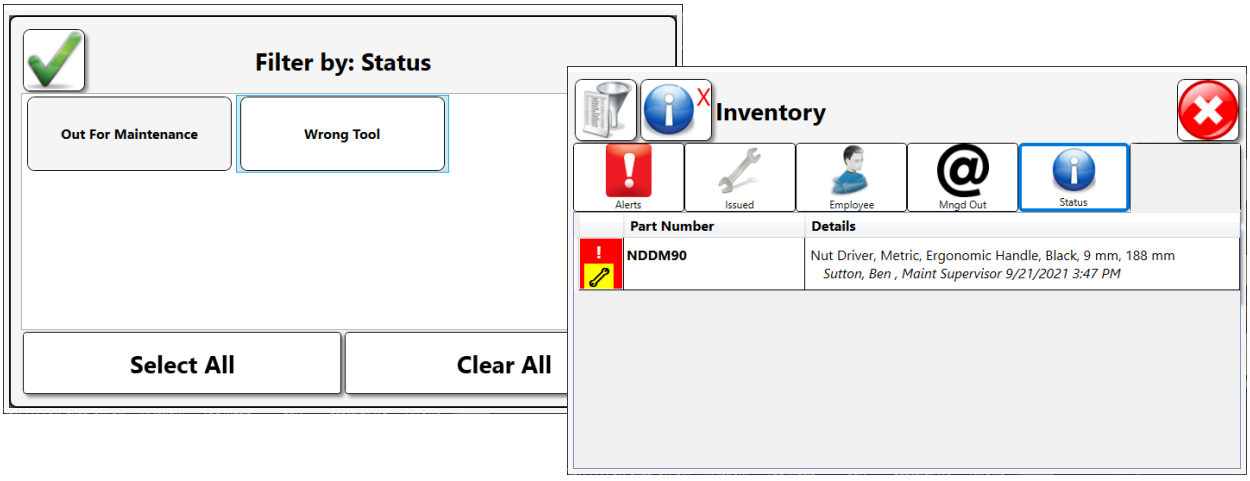
Employee: You can use this filter to only show tools issued to a particular employee. Select the user you want to filter by, then click on the green checkmark.



Mngd Out: Only show tools that have the Managed Out status applied.



Status: List tools that have a status applied to them. You can filter by a single status or several status types.



Multiple Filters:

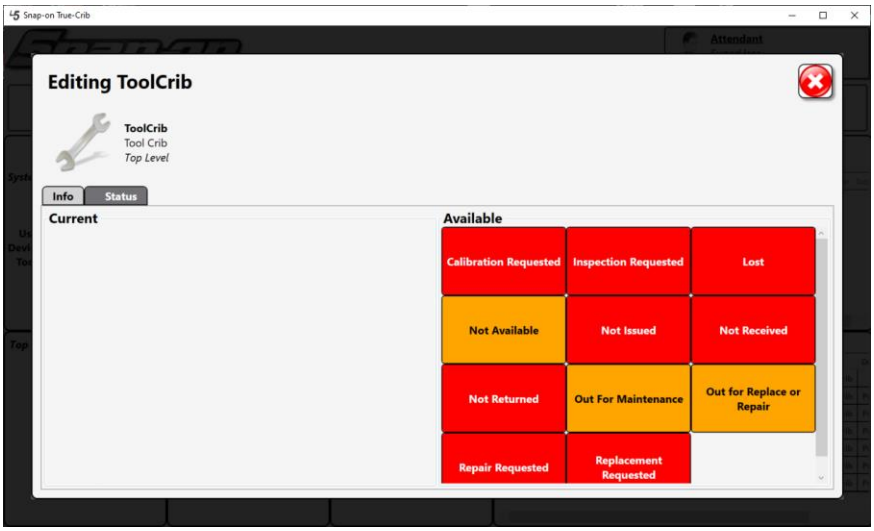
You are not limited to just one filter at a time. You can apply several filters at the same time:

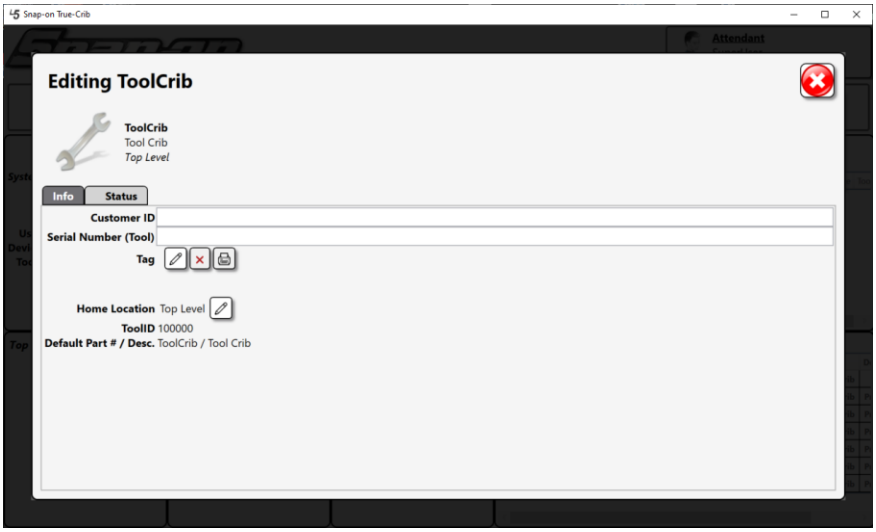
Remember, when applying multiple filters only tools that meet ALL of the filters will be displayed.

As you can see here, we have applied the Alert and Status (Wrong Tool) filters. The only tool in the Toolbox that meets all these filters is the nut driver issued to Ben, the Maint Supervisor.

Device Status

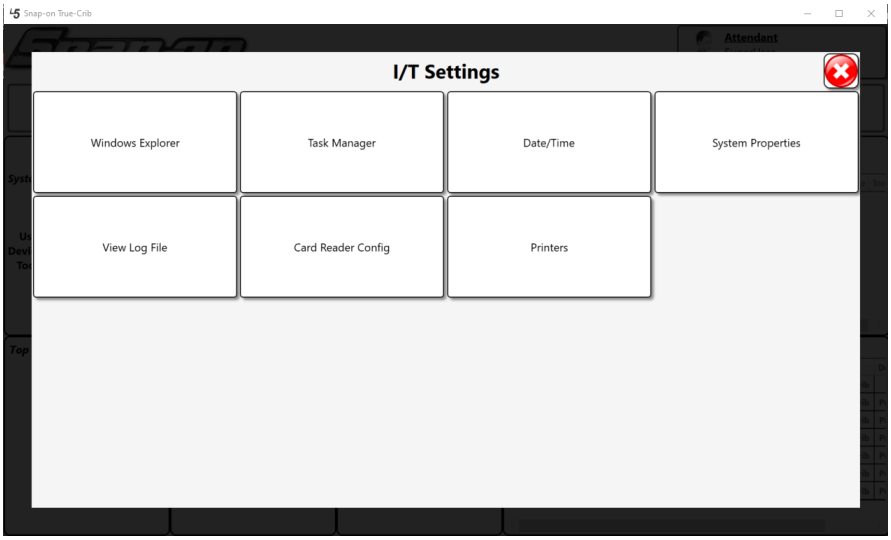
The Device Status screen displays detailed information about the device, such as device type, location, and any Statuses applied to it.





I/T Settings

These settings allow the user to change the system configuration for the device, such as network and date/time settings. These settings require an Employee to log in with permission to access these functions. (See Profiles and Permissions in the L5 Connect™ Administration Guide).



Windows Explorer – This button will bring up the Windows File Browser.

Task Manager – This button will launch the Windows Task Manager

Date/Time – This button will bring up Windows Date & Time Settings

System Properties – This button will launch Windows System Settings

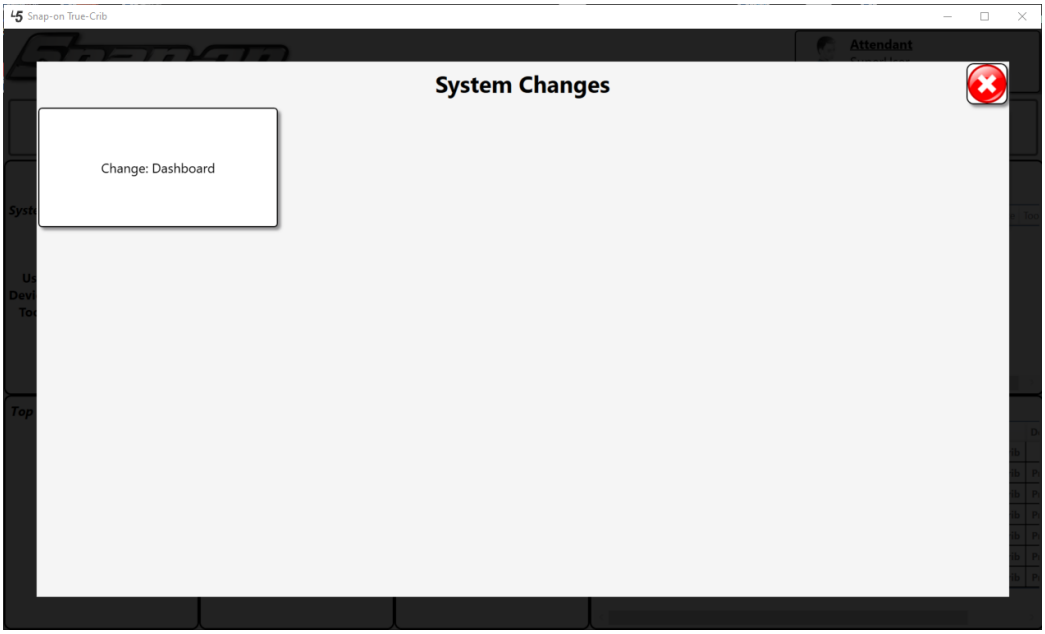
View Log File – This button will bring up the directory that contains all the log files for the device.

Card Reader Config – This will launch a utility used to configure the badge scanner on the device.

Printers – This allows you to assign a label printer used with the system.

System Changes

The System Changes screen grants access to functions that modify the True-Crib System.



Change Dashboard – This allows you to create a custom dashboard for the main page using widgets.

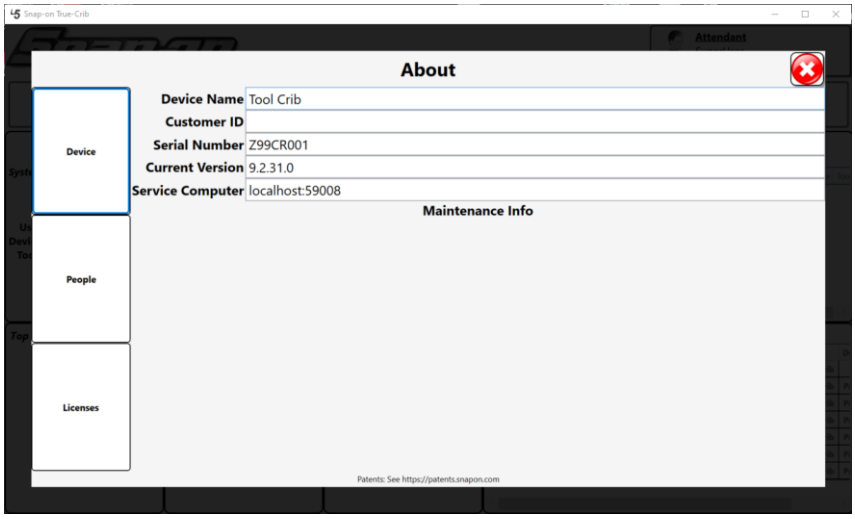
NOTE: See the L5 Connect™ Administration guide for more information about widgets.

About

The about screen displays Device-specific information, last known user, and advanced feature availability.

There are three tabs on the About screen:

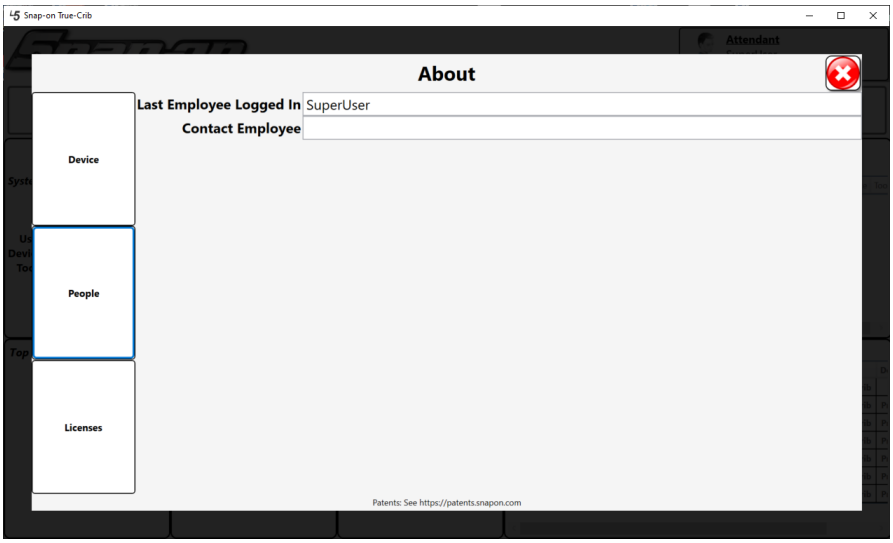
Device – This tab displays information about the device. This data is read-only and is non-editable in the L5 Connect™ Admin Client. This tab also displays any Maintenance Types and the Due Dates if one has been applied to the device.



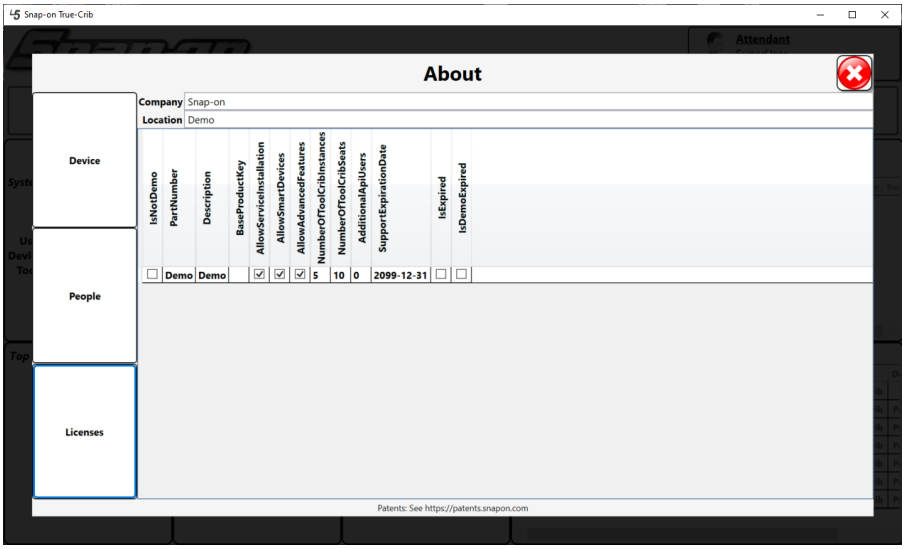
To apply a Maintenance to a device, you will need to define it with the master tool of the device. You can do this on the tool tab of the L5 Connect™ Admin Client.

Device Name – The friendly name of the device.
Customer ID – A unique ID number set by the user.
Serial Number – The device's Serial Number is hard-coded and doesn't change.
Current Version – The current version of software the system is running.
Service Computer – The hostname or IP of the L5 Connect™ Service to which this device is connected.

People – The people tab displays the last logged-in user, and the Employee users need to contact if there are any problems with the box.

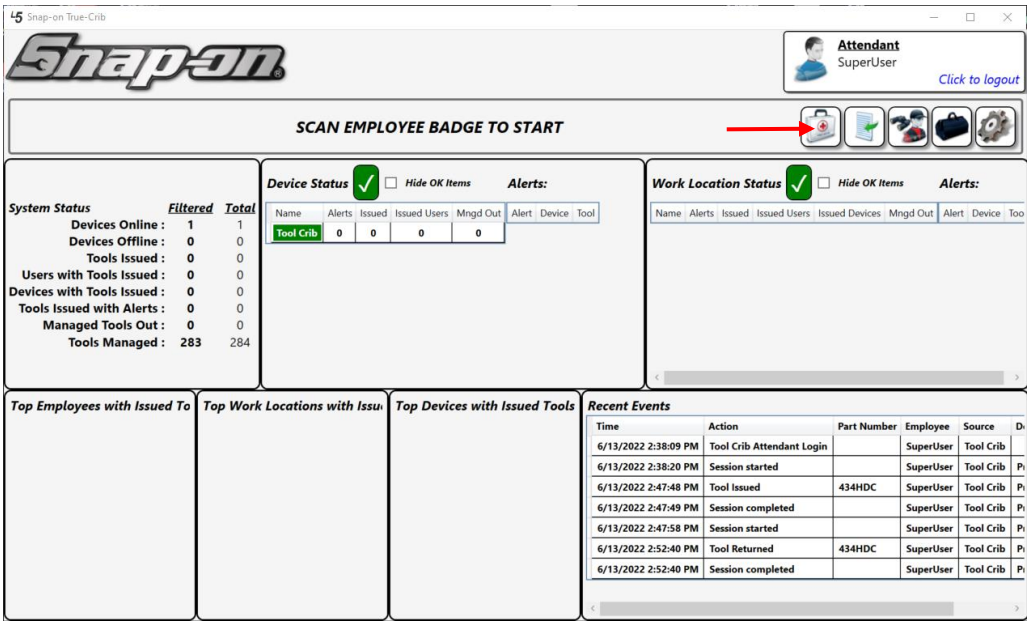


Licenses – This tab will display the current license applied from the Service to the device.

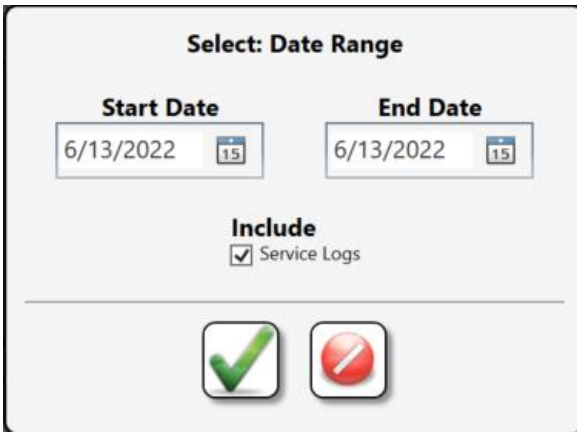


Diagnostics

With the Diagnostics button, you can pull system information that technical support can use to troubleshoot any issue you may encounter. To begin, click on the Diagnostics button on the main screen.



You will then need to select a date range from which to collect data. You can also include L5 Connect service logs by checking the checkbox below the date range. Finally, click the ✓ button when finished or the button to cancel.



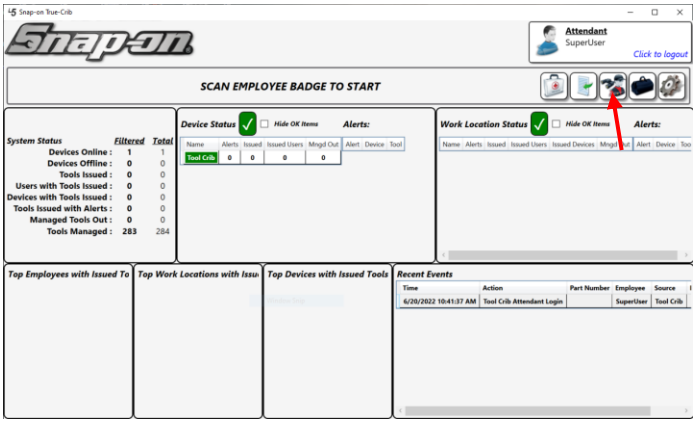
Once completed, you are prompted to select a location to save the file.

Administration Mode

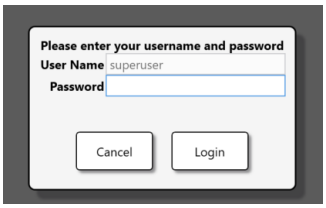
True-Crib™ contains an administrative mode like the L5 Connect™ Administration Client. However, this Mode is limited to just the Crib itself. It doesn't allow you to access any other device or make system-wide changes.

To access the administration mode, you must have an Admin Username and Password and permissions to access the admin functions.

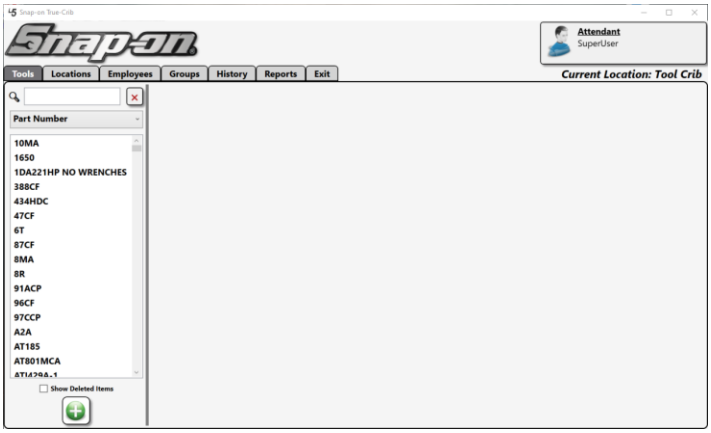
You will first need to unlock the Crib as an attendant. Then click on the Admin Mode button.



You will then need to enter your Admin Password as the username will automatically fill with the username of the currently signed-in attendant (if they have one).



You will now see a screen like the Administration Client that will allow you to change the Tool Crib. Click on the Exit tab to return to the True-Crib™ Dashboard.



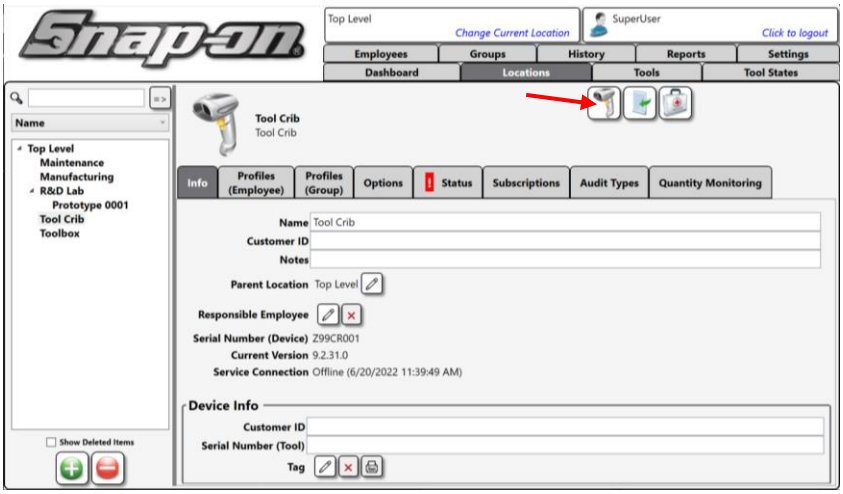
Note: For more information about these tabs and how to use them, please see the L5 Connect™ Administration Guide.

True-Crib™ Seats

If you need multiple transaction points (checkout lanes) in a single crib, you can use additional Tue-Crib™ Seats. True-Crib™ Seats allow users to open a remote terminal session to a True-Crib™ instance using the L5 Connect™ Administration Client.

The number of seats available is determined by the number of seats you purchase with your license. When a seat is not in use, it is part of a pool of seats that can be issued when someone starts a session. When they end a terminal session, the seat returns to the pool. You do not have to assign a seat to a PC statically. This allows multiple people to share seats that are not working simultaneously.

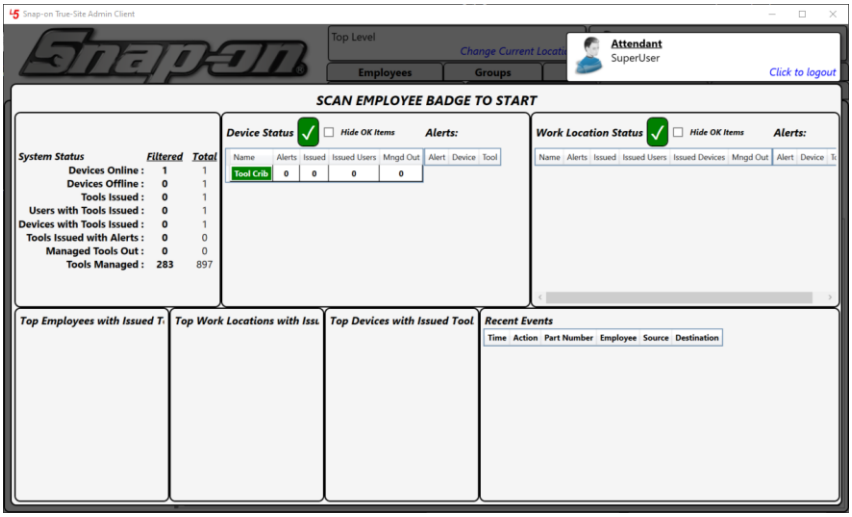
To start a Terminal session with a True-Crib™ instance, you must have a Username and Password to log into the L5 Connect™ Administration Client. Once you have logged in, go to the locations tab, and select the True-Crib™ you want to connect. Then click on the Tool Crib Seat button.



NOTE: The True-Crib™ software must be online to connect.

If the True-Crib™ software is not running, you will get a device offline error.

This will open the True-Crib Terminal Session in Attendant mode. You can now issue and return tools from the admin client. When you log out of the session, the seat returns to the pool.



Appendix A – True-Crib™ Accessories

Snap-on Part #	Description
L5W3021135	WIRED BARCODE SCANNER
L5W3246510	WIRELESS BARCODE SCANNER
L5W2672073	LABEL PRINTER
L5W3424726	2" x 1" label
L5W3111044	Thermal transfer ribbon
3-05609A	PROX CARD SCAN OEM PLUS 82
L5CPROXC	PROXIMITY CARD PRINTED

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