

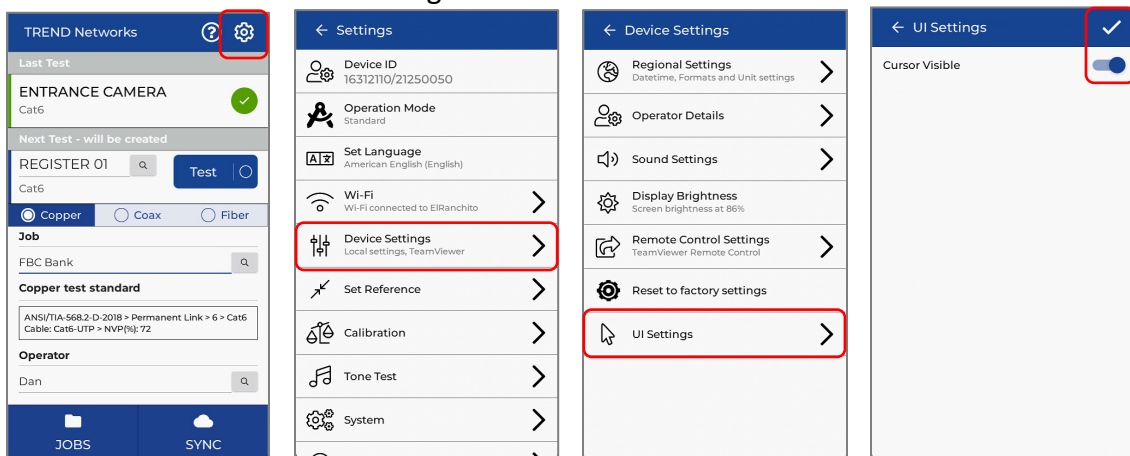


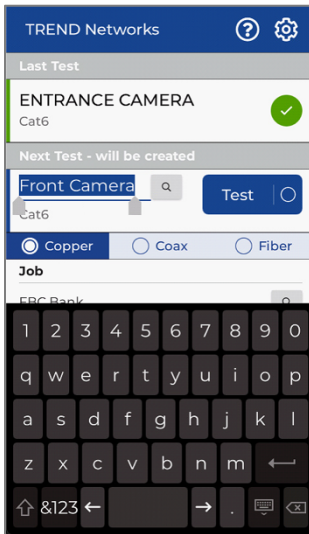
Using external keyboards, trackpads and mice

The LanTEK IV/IV-S certifiers support USB keyboards and mice/trackpad to speed text entry when complex or non-sequential test IDs are used. The receiver of a wireless combination keyboard/trackpad can be connected to the LanTEK's USB port, or a USB hub can be used to connect a separate keyboard and mouse.



When using a mouse or trackpad, the cursor needs to be enabled in the LanTEK user interface. To enable the cursor, from the home screen tap: Preferences (gear icon) > Device Settings > UI Settings. Toggle the switch on then press the check mark to save the setting.





1. Use the mouse/trackpad to navigate the user interface just as you would with the touchscreen.
2. Click the text in the Next Test field to highlight the existing ID and use the keyboard to overwrite the existing text with new text.
3. Click the Test button to start an Autotest with the new ID.
There is no need to close the onscreen keyboard before pressing Test.



Using barcode scanners to automate text entry

To save even more time entering test IDs, a barcode scanner can be connected to fully automate the process of entering text. This also eliminates the possibility of technicians' mis-entering text, reducing time spent correcting IDs after testing is completed.



To use this process of entering test IDs a barcode scanner and a printout of the barcodes to scan is required.

A USB barcode scanner can be purchased from many online retailers including Amazon.com for as little as \$15. The requirements for the scanner are that it have a USB interface and can read "Code 39" UPC codes. Code 39 is one of the earliest forms of barcodes so virtually any scanner can read them. Code 39 supports up to 43 characters.

Note: select a scanner that uses a laser to read the barcodes. Scanners that use a CCD camera are available and they may have trouble scanning the desired barcode from a sheet of many barcodes.

Barcodes can be generated in several ways and this application note will describe the process using Microsoft Excel. Once the barcode list is generated the LanTEK user simply taps the test ID field to select the text then scans the desired barcode. The scanner emulates a keyboard and converts the barcode into text, sending it to the LanTEK as though the user entered the text using a keyboard.



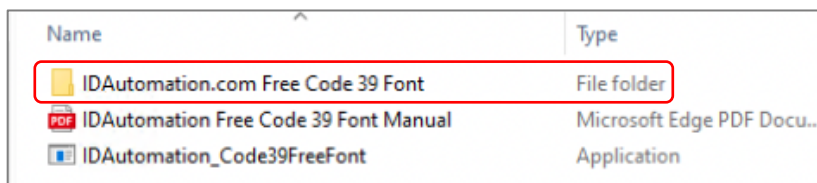
Creating a barcode list using Microsoft Excel

1. Download the Code 39 font. We have found that the most compatible Code 39 font is available free from ID Automation. Their free Code 39 font is “discontinued” but still available for download using this link:

https://www.idautomation.com/free-barcode-products/code39-font/#Bar_Code_Font

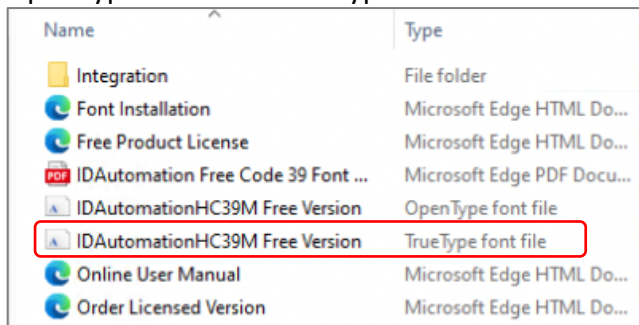
You may get a message from your browser that the file cannot be securely downloaded. We have found no issues with the file; however, TREND Networks makes no warranty about the safety of files downloaded from other websites.

2. Install the Code 39 font. Open the download which is a zip file containing a folder and two other files.

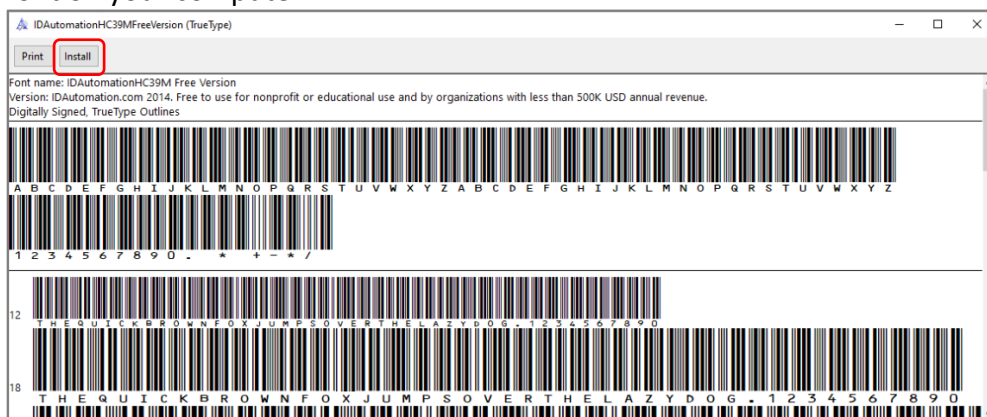


Open the “IDAutomation.com Free Code 39 Font” folder.

Double-click on the “IDAutomationHC39M Free Version” True Type font file. Note, there is an OpenType file and a TrueType file.



This opens the Windows font installer. If you agree to the terms of the license, click Install to install the font on your computer.





- Open your list of cable IDs in Excel. In this application note we have a list of 15 cable IDs.

Note: The Code 39 format requires each barcode to begin and end with an asterisk "" character.*

Code 39 does not recognize the space character. To create a space in your label, an underscore "_" character must be substituted. Use the search & replace function in Excel to change spaces to underscores if necessary.

Below is a list of 15 cable IDs with the space changed to an underscore.

	A	B
1	Register_01	
2	Register_02	
3	Register_03	
4	Register_04	
5	Loading_Dock_CCTV	
6	Warehouse_01	
7	Warehouse_02	
8	Break_Room_A	
9	Break_Room_B	
10	Entrance_1_CCTV	
11	Entrance_2_CCTV	
12	Rear_Door_CCTV	
13	Parking_Lot_CCTV_1	
14	Parking_Lot_CCTV_2	
15	Parking_Lot_CCTV_3	

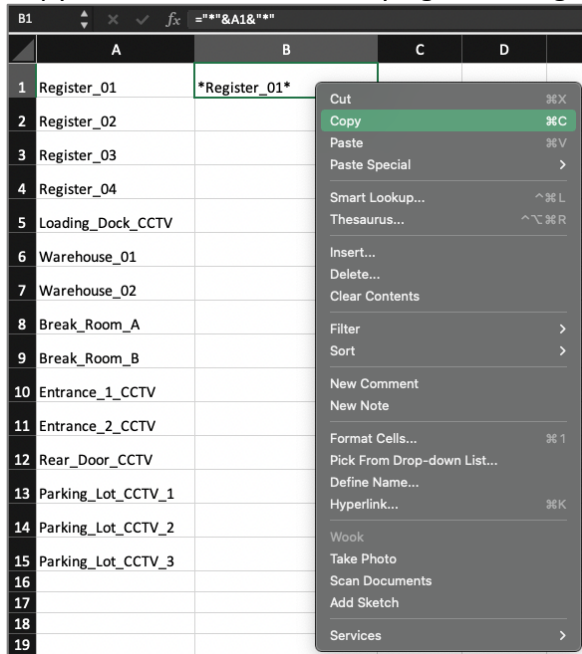
- Duplicate the ID in column B with the * added to be beginning and end of the ID. Click in cell B1 and enter the following formula: ="*"&A1&"*" then press Enter.
 - "*" adds the starting asterisk character
 - & joins the asterisk to the text in cell A1
 - "*" adds the ending asterisk character

	A	B	C
1	Register_01	*Register_01*	
2	Register_02		
3	Register_03		
4	Register_04		
5	Loading_Dock_CCTV		
6	Warehouse_01		
7	Warehouse_02		
8	Break_Room_A		
9	Break_Room_B		
10	Entrance_1_CCTV		
11	Entrance_2_CCTV		
12	Rear_Door_CCTV		
13	Parking_Lot_CCTV_1		
14	Parking_Lot_CCTV_2		
15	Parking_Lot_CCTV_3		

Now cell B1 contains the text *Register_01*

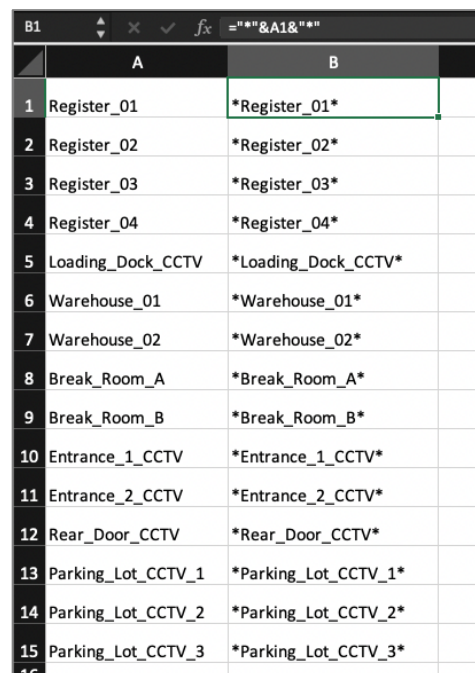
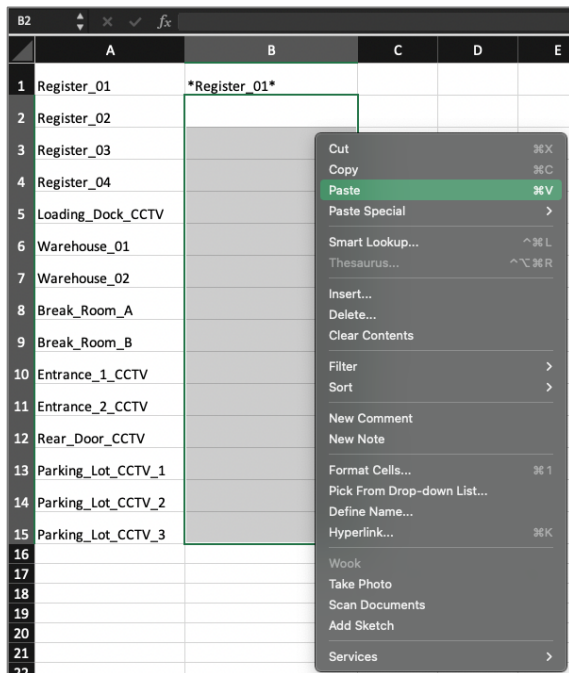


5. Copy the formula in cell B1 by right-clicking on it and selecting Copy



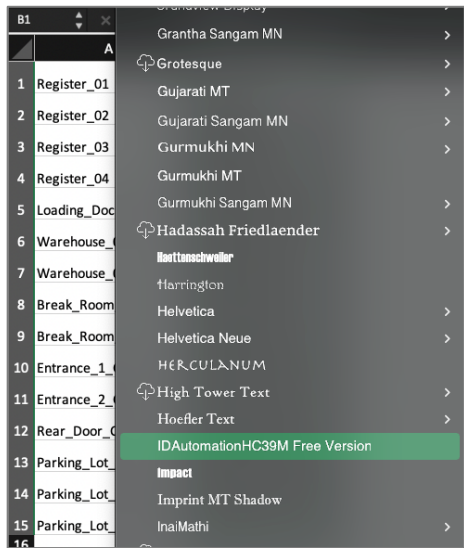
6. Select the remaining cells in column B and right-click to open the options menu. Select Paste to duplicate the formula in column B.

Set the font size in column B to 10 or 12 points.





7. Select the cells in column B and change the font to IDAAutomationHC39M Free Version.



8. The text in column B is converted to a barcode. Print the Excel sheet to create a scannable list of the barcodes.

