# **Asset Connect Software**





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# Section 1: Getting Started

This section contains basic information to get started with the Asset Connect Software. A brief overview of the application is followed by requirements for the computer, readers, and tags. More detailed description of Asset Connect and the readers can be obtained by contacting your local Emerson sales office.

### **Overview:**

Asset Connect Software is used with a PC or tablet and a handheld reader to communicate with the Emerson Asset Management Tag. This include both reading and writing critical asset information and service details stored on the Asset Management Tag.

Asset Connect Software communicates to the reader/writer using Bluetooth wireless technology. The reader/writer then communicates with the Asset Management Tag using UHF RFID wireless technology.

### **Computer Requirements:**

Asset Connect Software is compatible with the Windows® 7 or Windows® 10 operating systems. The user interface is designed to be used on either a PC or tablet.

Communication with the readers is achieved via Bluetooth wireless technology, thus the PC or tablet requires a Bluetooth radio and applicable drivers to be installed.

### **Compatible Readers:**

Asset Connect Software is compatible with multiple commercially available reader/writers, including the following:

#### **Convergence Systems Limited (CSL)**

#### CS 108 Sled Reader

- Read Range < 15 ft
- Circular or Linear Antenna
- IP54 Rating
- Requires Bluetooth Low Energy
- Requires Windows® 10 OS



### Technology Solutions (UK) Ltd (TSL®)

#### 1166 Sled Reader

- Read Range < 12 ft</li>
- Circular Antenna
- IP67 Rating
- With Firmware 1.2.1 or newer



Asset Connect Software

#### Technology Solutions (UK) Ltd (TSL®)

#### 1128 Sled Reader

- Read Range < 7 ft
- Circular Antenna
- IP54 Rating



#### **Extronics Ltd**

#### iRFID500 Intrinsically-Safe Reader

- Read Range < 1 ft
- Linear Antenna
- IP65 Rating
- ATEX and IECEx Zones 0, 1, and 2
- US & Canada Class 1, Div 1, Groups A, B, C, D



#### NOTE:

The readers/writers are not for sale through Emerson, but Emerson can recommend a supplier.

Read range is dependent on the tag and the distances provided above are from testing with the Asset Management Tag.

Circular antenna designs offer a broad, omnidirectional, reading area. Orientation and alignment of reader and tag are less critical, while read distances are shorter.

Linear antenna designs offer a more directional, focused, longer reading area. Orientation and alignment of the reader and tag are more critical, while read distances are greater.

### **Compatible Tags:**

Asset Connect Software is designed to be compatible with the Emerson Asset Management Tag.



# Section 2: Installing Asset Connect

This section contains basic installation information for Asset Connect Software to be installed from the downloaded file. Please follow company policy when installing new software onto your computer. Provided instructions are for a single computer installation only. Complex installations and multiple computer deployments may require a system administrator.

#### Step 1: Visit webpage

Visit https://www.emerson.com/en-us/support/software-downloads-drivers to download the Installation Package. Search for and select Asset Connect.

#### Step 2: Extract the Installation File from the downloaded compressed file.

The Installation Package file is a zipped/compressed folder and the installation file must be extracted to a new location before running.

### Figure 1-1. Installation File

		asset_conn					
I     I     I       File     Home     Share	Compressed Folder Tools Extract	asset_connect_sw_install			5	- 1	
Documents Pictures     Documents     Documents     Documents     Documents     Documents     Videos     Extract To							
← → · ↑ B → asset_connect_	w_install		~	ū	Search asset_co	nnect_sw	_install ,P
Name	Туре	Compressed size	Password	Size		Ratio	Date
Emerson Asset Connect	Application	41,706 KB	No		42,341 KB	2%	11/2
1 item 1 item selected 41.3 MB							

#### Step 3: Right-Click on the Installation File and Select 'Run as administrator'.

To access the Right-Click context menu on a touchscreen, touch and hold until a square or circle appears. Then release to open the menu.

Figure 1-2. Right Click	( Menu						
	cation Tools asset_col	nnect_sw_insta	I			- 0	× ^ ?
Pin to Quick Copy Paste access Clipboard	Move to v Copy to v Organize		New item • Easy access • Older New	Properties	Edit Edit History	Select all Select nor Invert select Select	
$\leftarrow \rightarrow \checkmark \uparrow$	all			<b>√</b> Č S	earch asset_co	onnect_sw_insta	all ,O
Name	Date modified	Туре	Size				
🔄 Emerson Asset Connect	11/27/2018 2:21 PM	Application	42,341 KB				
Open							
😌 Run as admir							
Run with gra	t compatibility phics processor	>					
Pin to Start		_					
Scan for Viru:	ses	_					
Share with Pin to taskba	r	>					
Restore previ							
Send to		>					
Cut							
Сору		_					
Create shorte	ut						
Delete Rename							
1 item 1 item selected 4							:==

Windows® 10 will require you to acknowledge this action via the User Account Control prompt. To proceed, click on Yes.

#### Figure 1-3. **Right Click Menu**



#### Step 4: Follow the Installation Wizard prompts as Asset Connect is installed.

To initiate the installation, click on Next. Review the Current Settings and click on Install. This process can take a couple minutes to complete, be patient. Acknowledge the completion by clicking on Finish.

pplication Tools asset Asset Connect - Instal		
	Preparing to Install	
	Asset Connect Setup is preparing which will guide you through the p Please wait.	
in		
CONTRACTOR OF	Extracting: Asset Connect.msi	
-		
	R	Cancel

#### Step 5: Follow the Installation Wizard prompts as Asset Connect is installed.



### NOTE:

If the desktop shortcut gets deleted, the application's location is in C:\Program Files (x86)\Emerson\Asset Connect\.

# Section 3: Setup With CSL CS108

This section contains setup information for using the CSL CS108 sled reader with Asset Connect Software. The CSL CS108 requires a Windows® 10 operating system. Additionally, the version of Windows® 10 must fully support Bluetooth Low Energy (BLE). This includes Version 1709 and newer.

The CSL CS108 is available in both a circular or linear antenna design. This provides the most versatility of the compatible readers. The antenna type is identified on the identification sticker, Cir. Pol. indicates a circular antenna and Hor. Pol. or Ver. Pol. indicate a linear antenna.

Please see the CS108 User Manual for complete understanding of this reader.



#### Step 1: Turn ON the reader

Figure 2-1 shows the location of the Power button. The button must be held for three (3) seconds, then released. The Power Button LED will glow green when turned ON and the Bluetooth Pairing button LED will blink blue.

#### Figure 2-1. CS108 Button Locations



Step 2: Open Asset Connect Software and enter the Setting menu.

Step 3: In the Reader Model dropdown menu, select CSL CS108.

### Figure 2-2. Settings Screen, Selecting Reader Type

👜 Emerson Asset Connect - [Settings]	- 🗆 X
Reader Model	(P) CONNECT
Outgoing COM Port (i) Extronics iRFID500 Intermee IP30 Auto-Connect on Startut <mark>CSL CS108</mark>	Tag Operations
Maximize Window on Startup	EREAD / WRITE
Auto-Reconnect on Wake-Up	<b>Q</b> LOCATE
Keep Bluetooth Connection when Idle (Reduces Battery Life)	
Left-Side Navigation	
Auto-Save Tag Data to Export List	
	SETTINGS
Press "CONNECT" to start.	▲ ■ EXIT

Asset Connect Software

#### Step 4: In the Unit dropdown menu, select your CSL CS108.

All powered on CS108 devices within range will be shown here. The CS108 conFigured device name is displayed. This is defaulted to "CS108Reader" plus the last 6 digits of the BT Mac Address. The BT Mac Address is located on the CS108's identification sticker.

If your reader is NOT displayed in the Unit dropdown, verify that the CS108 unit is powered on and not already connected to another computer. If your reader still does NOT display in the Unit dropdown, verify the PC's Bluetooth radio drivers are correct and fully support BLE.

Reader Model CSL CS108 ~	
Outgoing COM Port 🥡	Tag Operation
CS108ReaderB058B7 Auto-Connect on Startu CS108ReaderB18DF3	
Maximize Window on St	READ / WRITE
Auto-Reconnect on Wake-Up	9 LOCATE
Keep Bluetooth Connection when Idle (Reduces Battery Life)	
Left-Side Navigation	
Auto-Save to Tag List	
	¢ SETTINGS
ONNECT" to start.	

#### Figure 2-3. Settings Screen, Selecting Reader Unit

#### Step 5: Click on Connect.

The CS108's Bluetooth Pairing button LED should change to glow steady blue and the initialization process will take place. Allow time for the connection to be complete and the Message Pane will say **Connected to CSL CS108**. Asset Connect will exit the Settings screen after connecting and enter the Inventory screen.

Now you can begin use of Asset Connect with the CSL CS108.

# Section 4: Setup With TSL 1166/1128

This section contains setup information for using the TSL 1166 and 1128 sled readers with Asset Connect Software. These readers are similar in operation but different in form-factor. Both can be used with a computer which has either Windows® 7 or Windows® 10 and a classic Bluetooth (Basic Rate) radio.

Please see the 1166 or 1128 User Manual for complete understanding of these readers.



#### Step 1: Turn ON the reader.

Both the 1166 and 1128 can easily be turned ON by pulling the trigger or pressing the Power button. The connection status LED will blink blue as indication of the reader being awake and ready to connect.

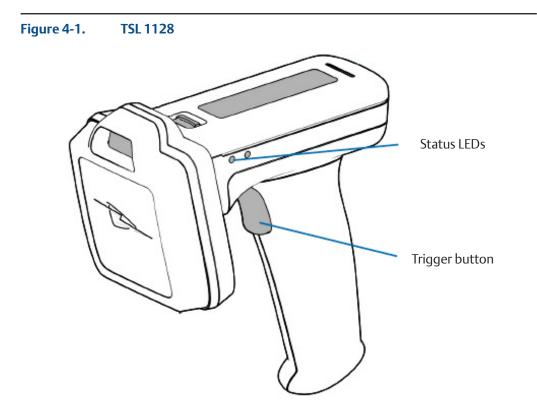
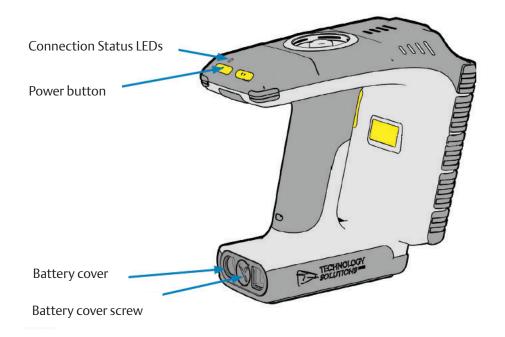


Figure 4-2. TSL 1166



#### Step 2: Add Bluetooth Device to the computer

The reader will need to be connected to the computer using the Windows® standard Add Bluetooth Device process prior to using it with Asset Connect.

From the Start Menu, select Settings. Then in the Settings window, select Devices.

Settings						-	×
		W	/indows Settings				
	Fi	nd a setting	9	٩			
旦	System Display, sound, notifications, power		Devices Bluetooth, printers, mouse		Phone Link your Android, iPhone		
<b>(</b>	Network & Internet Wi-Fi, airplane mode, VPN	¢	Personalization Background, lock screen, colors		Apps Uninstall, defaults, optional features		
8	Accounts Your accounts, email, sync, work, other people	。 A字	Time & Language Speech, region, date	8	Gaming Game bar, DVR, broadcasting, Game Mode		
Ģ	Ease of Access Narrator, magnifier, high contrast	ß	Privacy Location, camera	$\langle \rangle$	Update & Security Windows Update, recovery, backup		
م	Search Language, permissions, history						

#### Figure 4-3. Windows® 10 Settings, Devices

From inside the Devices window, be sure the Bluetooth & other device submenu is selected. Then click on the Add Bluetooth or other device button, as shown in Figure 4-4. Make sure that Bluetooth is turned ON.

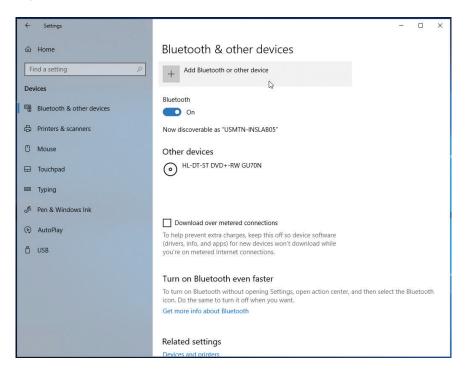
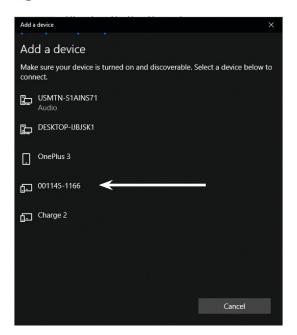


Figure 4-4. Windows® 10 Bluetooth & other devices

Another window will open to add a device. Select Bluetooth from this window.

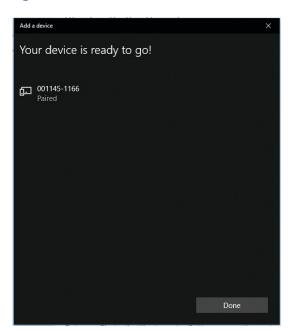
Then all the Bluetooth devices in range will be displayed, similar to Figure 4-5. The TSL readers will show up as the 6-digit serial number followed by the type (1166 or 1128). Be sure that the reader is still awake and has not timed out

#### Figure 4-5. Windows® 10 Add a device window



Click on the reader in this list.

Allow time for the connection and pairing process to complete. When finished, your reader has been paired to the computer and is ready to be used by Asset Connect. This process will not need to be repeated for this computer.



#### Figure 4-6. Windows® 10 Reader Paired

#### Step 3: Determine the Outgoing COM Port for the reader.

Asset Connect needs to know which Outgoing COM Port is used to communicate with the paired reader. This can be found in the Bluetooth Settings window that can be opened from within Settings or the Taskbar.

From the Start Menu, select Settings. Then in the Settings window, select Devices.

#### Remember this COM port number for the following steps!

This COM port number will not change for this reader and it can be recorded for future use.

From inside the Devices window, be sure the Bluetooth & other device submenu is selected. Then find the link called More Bluetooth Options as seen in Figure 4-7 and click on it to open the Bluetooth Settings window. You may need to scroll down to find this link.

Within the Bluetooth Settings window, select the COM Ports tab. Determine the COM port number that matches the paired reader and Outgoing Port direction, as shown in Figure 4-7.

	- 0
<ul> <li>ᢙ Home</li> <li>Find a setting</li> <li>P</li> <li>Devices</li> <li>         Bluetooth &amp; other devices     </li> </ul>	Bluetooth & other devices you're on metered Internet connections. Turn on Bluetooth even faster To turn on Bluetooth without opening Settings, open action center, and then select the Bluetooth
品 Printers & scanners	icon. Do the same to turn it off when you want. Get more info about Bluetooth
() Mouse	Related settings This PC is using the COM (serial) ports listed below. To determine
🖬 Touchpad	Devices and printers whether you need a COM port, read the documentation that came with your Bluetooth device.
Typing  Pen & Windows Ink  AutoPlay	Display settings         Port         Direction         Name           Display settings         COM3         Outgoing         001145-1166 'Bluetooth Serial Port'           More Bluetooth options         COM4         Incoming         001145-1166
USB	Send or receive files via Bluetooth
	Have a question? Get help
	Make Windows better     Remove       Give us feedback
	OK Cancel Apply

Figure 4-7. Windows® 10 Outgoing COM Port from Settings

Step 4: Open Asset Connect Software and enter the Setting menu.

Step 5: In the Reader Model dropdown menu, Select the TSL 1166 / 1128.

#### Figure 4-8. Settings Screen, Selecting Reader Type

Emerson Asset Connect - [Settings]	- 🗆 X
Reader Model Outgoing COM Port (i) TSL 1166 / 1128 Extronics iRFID500 Intermec IP30	<pre></pre>
Auto-Connect on Startur <u>CSL CS108</u> Maximize Window on Startup	<ul> <li>INVENTORY</li> <li>READ / WRITE</li> </ul>
Auto-Reconnect on Wake-Up       Keep Bluetooth Connection when Idle (Reduces Battery Life)	<b>Q</b> LOCATE
Left-Side Navigation       Auto-Save Tag Data to Export List	
	SETTINGS
Press "CONNECT" to start.	- EXIT

## Step 6: In the Outgoing COM Port dropdown, Select the correct COM port number as determined in Step 3.

#### Step 7: Click on Connect.

The TSL 1166 / 1128 status LED should change to glow steady blue and the initialization process will take place. Allow time for the connection to be complete and the Message Pane will say Connected to TSL 1166 / 1128 on COM#. Asset Connect will exit the Settings screen after connecting and enter the Inventory screen.

Now you can begin use of Asset Connect with the TSL 1166 or TSL 1128.

# Section 5: Setup With iRFID500

This section contains setup information for using the Extronics iRFID500 Intrinsically-Safe reader with Asset Connect Software. The Extronics iRFID500 operates on either a Windows® 7 or a Windows® 10 operating system. Additionally, a computer with a classic Bluetooth (Basic Rate) radio is required.

Please see the iRFID500 User Manual for complete understanding of this reader.



#### Step 1: Turn ON the reader.

The Extronics iRFID500 can easily be turned ON by pressing the Power Button. The Power LED will turn ON and indicate battery life based on its color. Now the reader is awake and ready to connect.

#### Step 2: Add Bluetooth Device to the computer.

The reader will need to be connected to the computer using the Windows® standard Add Bluetooth Device process prior to using it with Asset Connect.

From the Start Menu, select Settings. Then in the Settings window, select Devices

Settings						-	×
		W	/indows Settings				
		Find a setting	9	Q			
旦	System Display, sound, notifications, power		Devices Bluetooth, printers, mouse		Phone Link your Android, iPhone		
	Network & Internet Wi-Fi, airplane mode, VPN	Ą	Personalization Background, lock screen, colors		Apps Uninstall, defaults, optional features		
8	Accounts Your accounts, email, sync, work, other people	_ A字	Time & Language Speech, region, date	⊘	Gaming Game bar, DVR, broadcasting, Game Mode		
Ģ	<ul> <li>Ease of Access</li> <li>Narrator, magnifier, high contrast</li> </ul>	A	Privacy Location, camera	$\mathbb{C}$	Update & Security Windows Update, recovery, backup		
م	Search Language, permissions, histor	у					

Figure 5-1. Windows® 10 Settings, Devices

From inside the Devices window, be sure the Bluetooth and other device submenu is selected. Then click on the Add Bluetooth or other device button, as shown in Figure 5-2. Make sure that Bluetooth is turned ON.

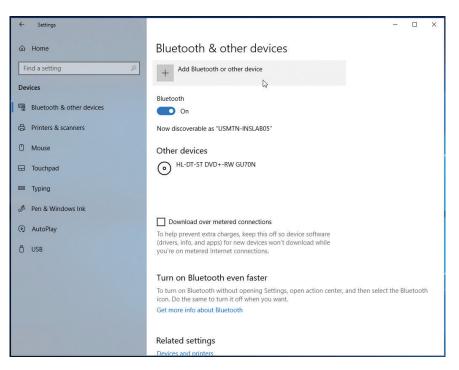
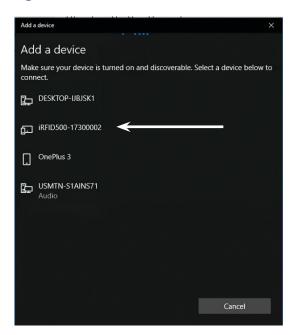


Figure 5-2. Windows® 10 Bluetooth & other devices

Another window will open to add a device. Select Bluetooth from this window.

Then all the Bluetooth devices in range will be displayed, similar to Figure 5-3. The Extronics iRFID500 reader will show up as the type (iRFID500) and the last 8 digits of the Comms ID number. Be sure that the reader is turned ON.

#### Figure 4-5. Windows® 10 Add a device window



Click on the reader in this list.

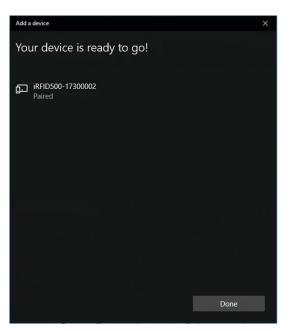
Acknowledge the PIN number by clicking Connect, as shown in Figure 5-4. (There is no need to remember this PIN, but confirm the Comms ID number matches.)

Allow time for the connection and pairing process to complete. When finished, your reader has been paired to the computer and is ready to be used by Asset Connect. This process will not need to be repeated for this computer.

Add a	a device	×
Ad	d a device	
Mak conr	e sure your device is turned on and dia nect.	scoverable. Select a device below to
Þ	DESKTOP-IJBJSK1	
Ŀ	iRFID500-17300002 Connecting	
	Press Connect if the PIN on iRFID500	-17300002 matches this one.
	555674	
	Connect	Cancel
	OnePlus 3	
Þ	USMTN-S1AINS71 Audio	
		Cancel

#### Figure 5-4. Windows® 10 iRFID500 PIN

### Figure 5-5. Windows® 10 Reader Paired



#### Step 3: Determine the Outgoing COM Port for the reader.

Asset Connect needs to know which Outgoing COM Port is used to communicate with the paired reader. This can be found in the Bluetooth Settings window that can be opened within Settings or the Taskbar.

From the Start Menu, select Settings. Then in the Settings window, select Devices.

From inside the Devices window, be sure the Bluetooth & other device submenu is selected. Then find the link called More Bluetooth Options as seen in Figure 5-6 and click on it to open the Bluetooth Settings window. You may need to scroll down to find this link.

Within the Bluetooth Settings window, select the COM Ports tab. Determine the COM port number that matches the reader and Outgoing Port direction, as shown in Figure 5-6.

#### Remember this COM port number for the following steps!

### This COM port number will not change for this reader and it can be recorded for future use.

At this point, the Settings window can be closed.

Settings		- 0
命 Home	Bluetooth & other d	evices
Find a setting	you're on metered Internet connecti	ions.
Devices	Turn on Bluetooth even fas	ter
Bluetooth & other devices	To turn on Bluetooth without openir icon. Do the same to turn it off wher	ng Settings, open action center, and then select the Bluetooth n vou want.
Printers & scanners	Get more info about Bluetooth	
🖱 Mouse	Related settings	Bluetooth Settings X     Options COM Ports Hardware
I Touchpad	Devices and printers	This PC is using the COM (serial) ports listed below. To determine whether you need a COM port, read the documentation that came with your Bluetooth device.
Typing	Sound settings	Port Direction Name
🖉 Pen & Windows Ink	Display settings More Bluetooth options	COM3 Incoming iRFID500-17300002 COM4 Outgoing iRFID500-17300002 'RNI-SPP'
ନ୍ତି AutoPlay	Send or receive files via Bluetooth	<b>``</b>
DUSB		
	Have a question? Get help	
	Make Windows better	Add Remove
	Give us feedback	OK Cancel Apply

#### Figure 5-6. Windows® 10 Outgoing COM Port from Settings

- Step 4: Open Asset Connect Software and enter the Setting menu.
- Step 5: In the Reader Model dropdown menu, select the Extronics iRFID500

#### Figure 5-7. Settings Screen, Selecting Reader Type

Emerson Asset Connect - [Settings]	– 🗆 X
Reader Model	@ CONNECT
Outgoing COM Port (i) TSL 1166 / 1128 Extronics iRFID500	Tag Operations
Auto-Connect on Startur	
Maximize Window on Startup	🖀 READ / WRITE
Auto-Reconnect on Wake-Up	<b>Q</b> LOCATE
Keep Bluetooth Connection when Idle (Reduces Battery Life)	
Left-Side Navigation	
Auto-Save Tag Data to Export List	
	E ADVANCED
Press "CONNECT" to start.	-)) exit

## Step 6: In the Outgoing COM Port dropdown, select the correct COM port number as determined in Step 3.

#### Step 7: Click on Connect.

The Extronics iRFID500 Bluetooth LED should turn ON to steady blue and the initialization process will take place. Allow time for the connection to be complete and the Message Pane will say Connected to Extronics iRFID500 on COM#. Asset Connect will exit the Settings screen after connecting and enter the Inventory screen.

Now you can begin use of Asset Connect with the Extronics iRFID500.

# Section 6: Basic Operation

This section contains information to perform basic operations within the Asset Connect Software. This will include the Inventory and Read/Write Tag Operations. Additionally, a brief description of other features that are available within Asset Connect Software. Each reader will have slight uniqueness to messages and operation. This section will be shown using the CSL CS108 reader. The iRFID500 has a push button instead of a trigger, which must be pushed and released to act as a trigger.

### **Inventory:**

The Inventory Tag Operation will allow you to find all the Asset Management Tags within read range of the reader. This action inventories the area around you to find and identify assets.

Most actions within the Asset Connect Software will begin with an Inventory Tag Operation.

### **Read/Write:**

The Read / Write Tag Operation will allow you to read from and write data to an Asset Management Tag. This provides access to all the data on the tag and the ability to change it as well. This action can only be performed on one (1) tag at a time.

This is the primary action used with the Asset Connect Software

Follow the appropriate section for initial setup of a reader. After the initial setup of the reader, Asset Connect Software will cache the selected reader's details. Subsequent use of the same PC or tablet and the same reader will only require the Connect button to be used from the Inventory screen.

Additionally, there is an option to Auto-Connect on Startup found within the Settings screen. When this is selected, the cached reader details will be used to automatically connect when the software is opened.

#### Step 1: Select Inventory from the Navigation bar.

Be sure that a reader is Connected, this is indicated in the Navigation bar.

#### Step 2: Pull and Hold trigger on Reader and point in direction of Asset Management Tags (iRFID500: Press and Release button)

The reader can be moved and repositioned to better align with the Asset Management Tags' installed location. You will notice the screen populates with all the Asset Management Tags within range, as shown in Figure 6-1. As more tags appear, a scroll bar will become visible and tags will continue to populate inside the Inventory Tag List.

#### Figure 6-1. Inventory Tag Operation

Emerson Asset Connect - [TagList]			- 0
Tag EPC	Reads		CONNECTED
		•	Tag Operations
P&ID Tag: 42CV103	68		
P&ID Tag: 42CV203	85		🖀 READ / WRITE
P&ID Tag: PRV-113	Window Smp		<b>Q</b> LOCATE
P&ID Tag: 32-FV-002212-B	39		
P&ID Tag: 42LV301	6		
		•	
			SETTINGS
Connected to CSL CS108			
Pull & hold trigger to scan for tags. Select a Tag EPC from list.		-	- EXIT

Each Tag EPC will be displayed along with a Reads value in the window. The Tag EPC is the identifiable name of the asset and its typically a P&ID Tag Number. The Reads value is an indicator of the location of the tags. The more Reads, the closer the tag is to the reader.

#### Step 3: Release the trigger on Reader.

The Inventory Tag List will stop populating. Now you can select the asset which you would like to perform a complete Read operation. This will allow you to read all the data on the Asset Management Tag.

#### Step 4: Double-Click on the desired Tag EPC from the Inventory Tag List

Now the Read / Write Tag Operation is selected in the Navigation bar and the screen will be similar to Figure 6-2. This is the begin of the Read operation.

#### Figure 6-2. Read / Write Tag Operation

Emerson Asset Connect	ct - [ReadWriteTag]				- 0	×
Cust PO			Tag EPC	P&ID Tag: 42CV103	@ CONNECTED	
OP & ID Tag			Content Revision HEX EPC	3432435631303300000000000	Tag Operations	
User Defined			Tag ID	E280115020001474767F1800		
					🖀 READ / WRITE	
					<b>9</b> LOCATE	
	📕 Read	👂 Write	▲ Clear Field	L Save Data	SETTINGS	
Pull & hold trigge	r to read the tag d	ata			- EXIT	
				¥		

#### Step 5: Pull and Hold Trigger on Reader. (iRFID500: Press and Release button)

Be sure to stay within range of the tag. The Message Pane will indicate Reading Block # of # as the Read operation is performed. This can take a couple seconds depending on the environment and distance between tag and reader. Once the Read operation is completed, the Message Pane will indicate Done and all the data from the tag will be displayed in the window. The reader trigger can now be released. The Read/Write screen will be similar to Figure 6-3. The data displayed is dependent on the Asset Type.

#### Figure 6-3. Read Operation Complete

<ul> <li>P &amp; ID Tag 42CV103</li> <li>Content Revision 1 HEX EPC 3432435631303300000000000</li> <li>User Defined</li> <li>Tag ID</li> <li>E280115020001474767F1800</li> <li>INVENTORY</li> <li>READ / WRITE</li> <li>Valve</li> <li>Actuator</li> <li>Manufacturer</li> <li>FISHER</li> <li>Model</li> <li>4" ED CL150</li> <li>Serial Number</li> <li>14153613</li> <li>Serial Number</li> <li>14153613</li> <li>Serial Number</li> <li>FISHER</li> <li>Model</li> <li>667 Sz45</li> <li>Serial Number</li> <li>14153613</li> <li>Serial Number</li> <li>FISHER</li> <li>Model</li> <li>Manufacturer</li> <li>FISHER</li> <li>Model</li> <li>Vite</li> <li>Clear Field</li> <li>Save Data</li> </ul>	Cust PO		Tag EPC	P&ID Tag: 42CV103	@ CONNECTED
Jserial Number 14153613   Juser Defined Tag ID   E280115020001474767F1800     Valve Components     /alve   Manufacturer   FISHER   Model   4* ED CL150   Serial Number   14153613   Serial Number	● P & ID Tag	42CV103	Content Revision	1	
Voter Definited Tag ID E28011502001414/07/P1000     Valve Actuator   Manufacturer FISHER   Model 4* ED CL150   Serial Number 14153613   Positioner Serial Number   Manufacturer FISHER   Model DVC6200f     Image: Read   Write Clear Field   Save Data	Serial Number	14153613	HEX EPC	343243563130330000000000000000000000000000000	Tag Operations
/alve       Actuator         Manufacturer       FISHER         Model       4" ED CL150         Model       667 Sz45         Serial Number       14153613         Positioner       Serial Number         Manufacturer       FISHER         Model       DVC6200f         Image: Read       Write         Image: Write       Clear Field         Save Data       SETTINGS	User Defined		Tag ID	E280115020001474767F1800	INVENTORY
Manufacturer FISHER   Model 4" ED CL150   Model 667 Sz45   Serial Number 14153613   Positioner   Manufacturer   Manufacturer   FISHER   Model   DVC6200f	/alve Components	•		^	🖀 READ / WRITE
Model       4* ED CL150       Model       667 Sz45         Serial Number       14153613       Serial Number       14153613         Positioner       Manufacturer       FISHER       FISHER         Model       ØVC6200f       Clear Field       Save Data         Image: Read       Image: Write       Clear Field       Save Data	/alve		Actuator		
Serial Number 14153613 Serial Number 14153613 Positioner Manufacturer FISHER Model DVC6200f Read Write Clear Field Save Data SetTINGS	Manufacturer	FISHER	Manufacturer	FISHER	
Positioner Manufacturer FISHER Model DVC6200f ■ Read Virite Clear Field Save Data SETTINGS	Model	4" ED CL150	Model	667 Sz45	
Manufacturer FISHER Model DVC6200f    Read Vrite Clear Field Save Data    SetTINGS	Serial Number	14153613	Serial Number	14153613	
Model DVC6200f Read Write Clear Field Save Data Strings	ositioner				
Model DVC6200t Read Write Clear Field Save Data SETTINGS	Manufacturer	FISHER			
	Model	DVC6200f		~	
		🛤 Read 🛛 💉 W	/rite 👲 Clear Field	L Save Data	SETTINGS
	Second Contractor				

Now if you need to make changes to the data, you can begin a Write operation. This starts with the editing of a field.

#### Step 6: Click on a Field to enter it.

Notice that when you enter a field, the field changes to an orange color as seen in Figure 6-4.

#### Figure 6-4. Write Tag Operation

🙇 Emerson Asset Conne	ct - [ReadWriteTag]			– 🗆 X
Cust PO		Tag EPC	P&ID Tag: 42CV103	@ CONNECTED
P & ID Tag	42CV103	Content Revision	1	
Serial Number	14153613	HEX EPC	343243563130330000000000000000000000000000000	Tag Operations
User Defined		Tag ID	E280115020001474767F1800	
Accessories	~		^	🖀 READ / WRITE
Accessory 1		Accessory 2		
Model	TOP MOUNTED HANDWHE	Model		♀ LOCATE
Description	MANUAL OPERATOR	Description		
Accessory 3		Accessory 4		
Model		Model		
Description		Description		
Other Documentat	ion		~	
	🛤 Read 🛛 💉 Write	👲 Clear Field	L Save Data	SETTINGS
Pull Trigger to Wr	ite Changes			
				- EXIT

#### Step 7: Edit the Field and leave it.

You must exit the field by clicking on another field, by pressing the Tab key, or clicking the Write button. All edited fields will remain an orange color, indicating they don't match the previous Read. When all edits to fields are completed, a Write operation can be performed.

#### Step 8: Pull and Hold Trigger on Reader. (iRFID500: Press and Release button)

Be sure to stay within range of the tag. The Message Pane will indicate Writing Block # of # as the Write operation is performed. This can take a couple seconds depending on the environment and distance between tag and reader. Once the Write operation is completed, the Message Pane will indicate Done and all the changes will be updated in the tag. The reader trigger can now be released. The data is then re-Read and displayed in the window. The Read/Write screen will be similar to Figure 6-5.

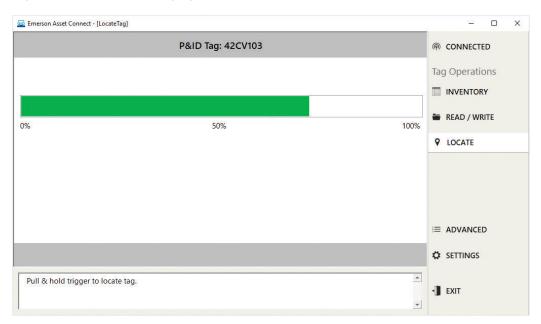
If the Write operation is interrupted, the Message Pane will inform you to try again. This may be due to alignment and distance from the tag to the reader. Take care in observing the reader position and direction when writing as it can improve the success rate of the Write operation. Alignment and orientation is particularly important with readers that have a linear antenna.

Emerson Asset Conne	ect - [KeadWriteTag]			- 0	×
Cust PO		Tag EPC	P&ID Tag: 42CV103	CONNECTED	
P & ID Tag	42CV103	Content Revision	2		
Serial Number	14153613	HEX EPC	343243563130330000000000000000000000000000000	Tag Operations	
User Defined		Tag ID	E280115020001474767F1800		
Accessories			^	🖀 READ / WRITE	
Accessory 1		Accessory 2			
Model	TOP MOUNTED HANDWHE	Model		<b>V</b> LOCATE	
Description	MANUAL OPERATOR	Description			
Accessory 3		Accessory 4			
Model		Model			
Description		Description			
Other Documenta	tion				
	🛤 Read 👔 👔 Write	Clear Field	Save Data	SETTINGS	
Please continue t	o hold trigger				
Writing Block 1 o				- EXIT	

#### Figure 6-5. Write Operation Complete

After any Read or Write operation, the data can be saved by clicking on the Save Data button. This will store the data from the tag into an Export List, which is an exportable database within the Asset Connect Software. This can be accessed later for other purposes. Additionally, there is an option to Auto-Save Tag Data to Export List found within the Settings screen. When this is selected, tag data will be saved on every read operation. Finally, there is a Locate Tag Operation that can be useful for identifying the proper asset. This can be accessed from the Inventory or Read/Write Tag Operations. Once Locate has been selected, Pull and Hold the trigger and re-position the reader until the bar graph increases. The greater the percentage of the bar graph, the closer the tag is to the reader. This can assist in differentiating nearby tags.

#### Figure 6-6. Locate Tag Operation



For information, contact your local Emerson sales office or visit Emerson.com/AssetTag

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