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Changing Settings on CoreMax/ZeroMax Torque Wrench

- You will need administrative permissions on your PC

- Tool Programming cable required. Included with original tool. Any USB Type A to USB Mini cable should work.

Introduction

These instructions are intended to help customers of the CoreMax® & ZeroMax™ electric Torque Tools make adjustments to the tools should that be required.

FasTest uses Ingersol Rand (IR) torque guns as the basis of our offering for production tools to accurately apply the sealing torque for the CoreMax & ZeroMax Access Port Systems. We modify them to add the "Drive Head" and preset the correct torque setting and rotational speed to achieve a leak-free joint. They are shipped to the customer pre-programmed.

In order to achieve a proper torque both the torque setting and the rotational speed are important. The specifications are as follows:

- CoreMax:
  - "In-Line" Torque Wrench (SCFTP05xx):   8 ft-lb888 (10.9 n-m) +/- 0.5 ft-lb (0.68 n-m) & 200 rpm (+/- 5 rpm)
  - "Pistol Grip" Torque Wrench (SCFTP06xx):   8 ft-lb888 (10.9 n-m) +/- 0.5 ft-lb (0.68 n-m) & 200 rpm (+/- 5 rpm)
- "ZeroMax
  - "Pistol Grip" Torque Wrench (SCFTP07xx):   4 ft-lb888 (5.4 n-m) +/- 0.5 ft-lb (0.68 n-m) & 200 rpm (+/- 5 rpm)

Install ICS Software

1. https://irtoolhelp.ingersollrand.com/hc/en-us/articles/360013807354-Download-and-Install-ICS-software

2. Extract downloaded files

3. Inside the folders, run the ICSInstaller. If you do not see the admin symbol on the icon, you will need to run this as an administrator.

4. When prompted to allow the program to make changes, select yes.

Name	Date modified	Type	Size
∨ Today			
🗜 ICS 6.3.4.3	5/2/2024 10:18 PM	Compressed (zipp...	166,755 KB
📁 ICS 6.3.4.3	5/2/2024 10:19 PM	File folder	

Name	Date modified	Type	Size
∨ Today			
ICSInstaller	5/2/2024 10:19 PM	Application	89,473 KB
IRICSLogo	5/2/2024 10:19 PM	ICO File	3 KB
readme	5/2/2024 10:19 PM	Chrome HTML Do...	2,998 KB

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Install ICS Software

1. Click Next

2. Accept the license agreement

3. Name and Organization are not required. It is recommended to select "Anyone who uses this computer"

4. Install to the default location. If there are issues installing to Program Files, try installing to the User's documents folder

5. Select MS Access

6. Click next, wait for ICS to install, then click finish
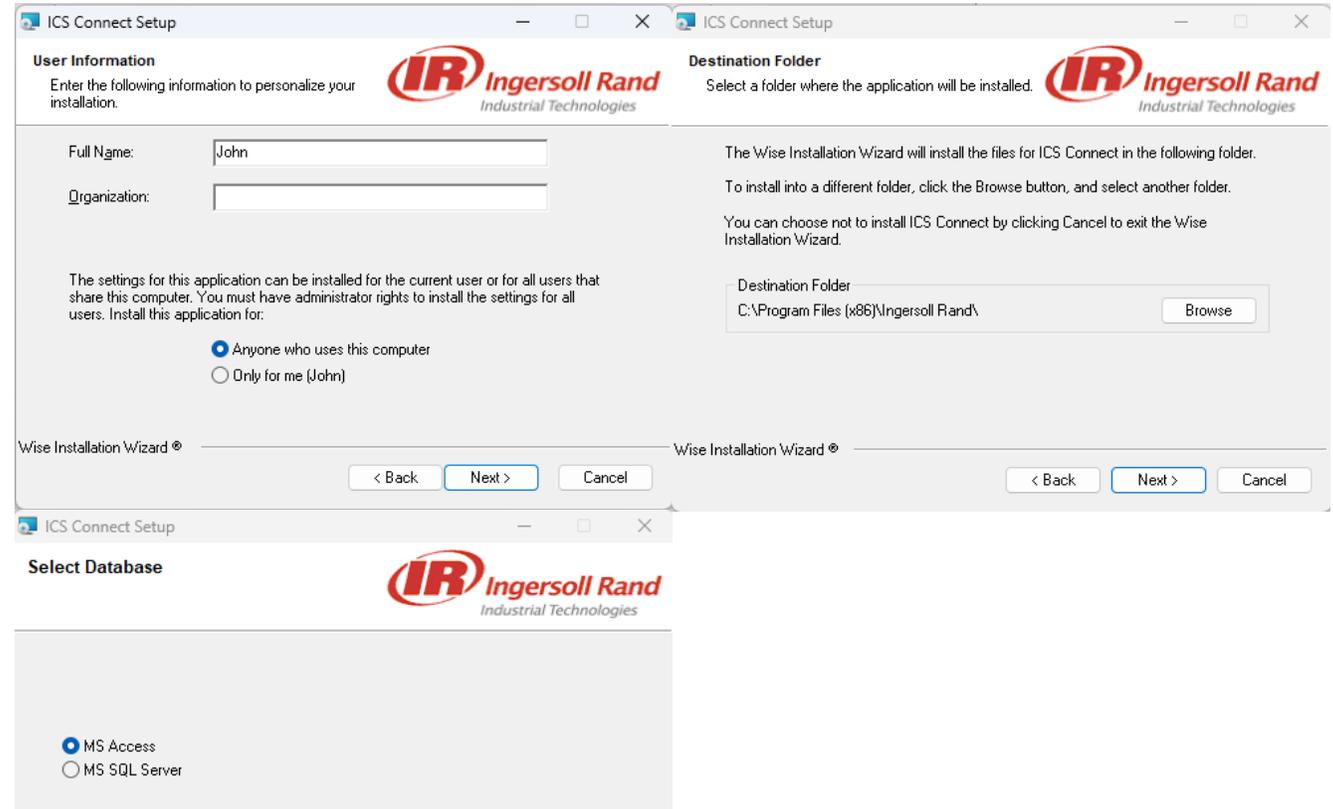
Setup ICS Software

1. Navigate to the Bin folder where you installed ICS. Default location is **C:\Program Files (x86)\Ingersoll Rand\ICS\Bin**

2. Find IRICSApplication. Right click and run as administrator

3. Allow the program to make changes

4. When prompted that no license is loaded, click ok

5. Select ICS-Nw-Master.lic. This is a 30 day demo license.

IREnglishResource.dll	5/21/2019 10:23 AM	Application exten...	237 KB
IRFrenchResource.dll	5/21/2019 10:33 AM	Application exten...	281 KB
IRGermanResource.dll	5/21/2019 10:34 AM	Application exten...	266 KB
IRICSApplication	10/3/2019 6:51 PM	Application	20,514 KB
IRICSApplicationChinese	3/17/2017 5:25 PM	Compiled HTML ...	5,203 KB
IRICSApplicationCzech	3/17/2017 5:26 PM	Compiled HTML ...	4,957 KB
IRICSApplicationEnglish	3/17/2017 5:24 PM	Compiled HTML	6,379 KB

ICS ✕

⚠ License file could not be loaded. Please select another license file.

OK
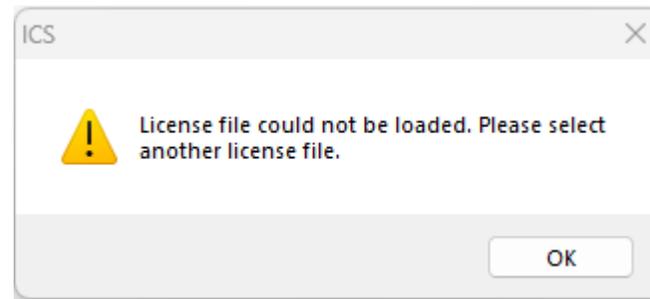
Name	Date modified	Type	Size
ICS-Nw-Master.lic	11/6/2017 4:40 PM	LIC File	1 KB

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Setup ICS Software

1. This step will not matter if connected to a tool via USB, but select your ethernet adapter if you know it.

2. If prompted, allow ICS on both public and private networks

3. When ICS opens, go to File > Log off

4. Login. Username is *supervisor*. Password is *sollinger.*

5. Close ICS
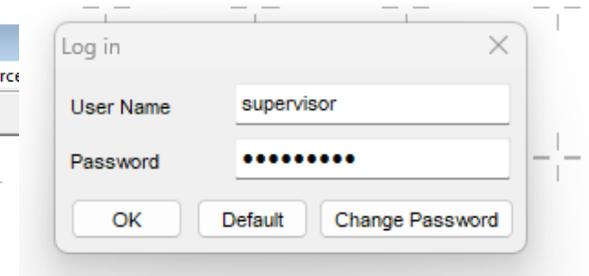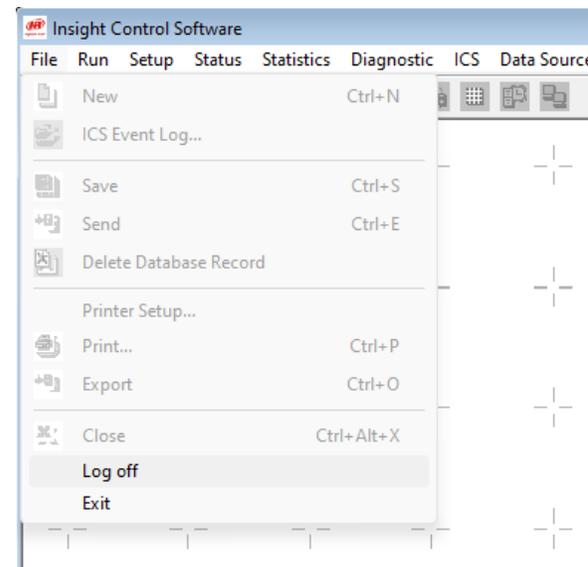
Install Tool Driver

1. Open Device Manager on your computer

2. Plug USB into the port on the top of the tool. There is either a red or black slide that protects the port.

3. Under the Ports section, find the tool. If there are multiple options, you may need to unplug and plug in the tool to find which one it is.

4. Once found, right click and select update driver.

5. Click Browse my computer for drivers

6. Navigate to the folder where you downloaded ICS and inside the Firmware folder, select Win10_QXToolDriver

7. Click Next and Install to install the driver
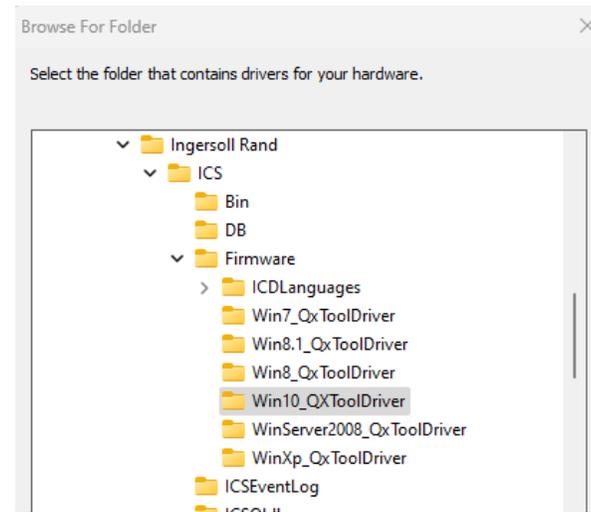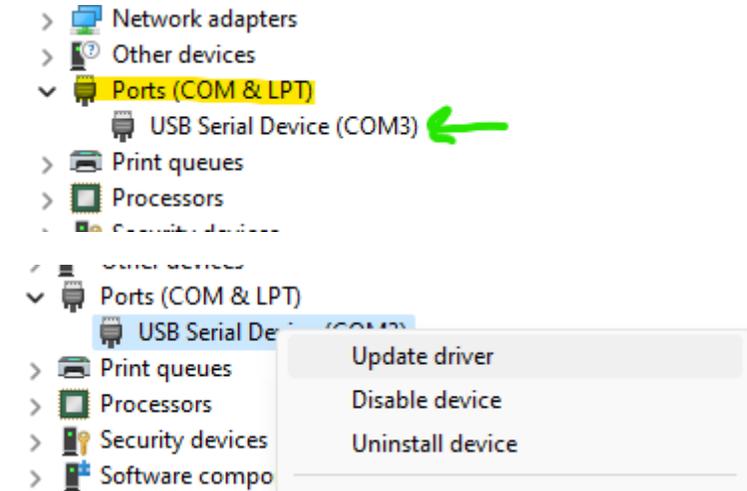
Change Tool Settings

1. Reopen ICS. You can use the desktop shortcut now and should not need to run as administrator

2. With the tool plugged in and ICS open, you should see a connection message on the bottom of ICS.

3. Change Family to QX Series

4. Go to Setup > Quick Setup

5. Select the USB tool and Config 1 from the dropdowns

Time Sync Success
Login Success for Port = 3
Tool Connection to Port no = 3 is Successful

Insight Control Software

File   Run   Setup   Status   Statistics   Diagnostic   ICS   Data Source   View   Window   Help

Quick Setup   Family: QX Series

General Setup

Advanced Setup

IC-PCM 1:1 General Setup

Parameter Assignment

Wireless Tool Setup

Download Software

Reboot

IC-PCM Wireless Energy Detector

FAC1

QX Quick Setup - 1

Location ID   000:7   Config   1

ConfigSet Name   Source   Network   Date-TimeStamp

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Change Tool Settings

1. Tools shipped with standard ± 20% torque ranges

2. Correct Torque range should be ± .5 ft.lbs

3. Set Torque High Limit to 8.5 and Torque Low Limit to 7.5

4. Click the X to close this screen. It will ask if you want to send the data to the tool. You must select yes.
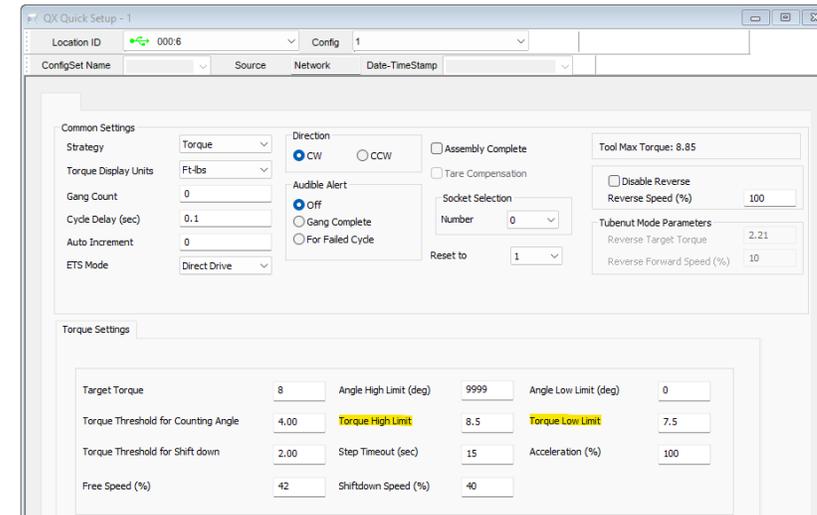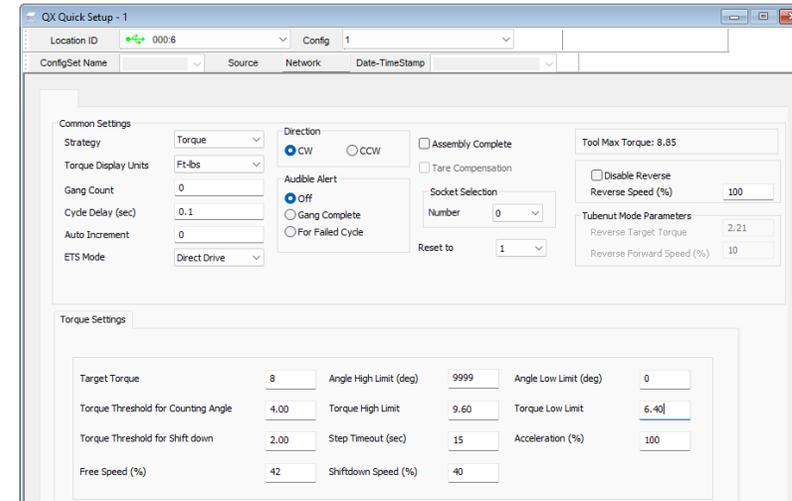
Fix Complete

1. If you see the successful change message, you can now close ICS and continue using the tool.

Set operation for Quick Setup Successful
Config Not programmed
UnAssign Config for Quick Setup is Successful

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FasTest Customer Service

If you require further assistance please contact FasTest:

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