

# INSIGHTqc Corded Controller

## Version 6.8.7

### 1. Introduction

This is a software release note for [version 6.8.7](#) of **INSIGHTqc Corded Controller**. This document details the software versions, key new features, and upgrade instruction for this release.

### 2. Release Information

The following software releases are launched as part of this release package:

Controller Software		
#	Description	Version
1	Application	<a href="#">6.8.7</a>
2	Database	1.2.0
3	OS	1.2.1

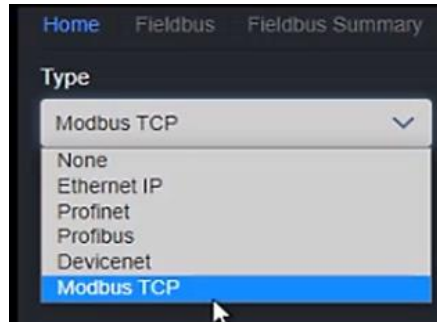
**Note:**

- ❖ Please follow the upgrade instruction for controller software as listed in Section 4.0.
- ❖ Multiple upgrade steps might be required as outlined by the [Software Upgrade Matrix](#) in Appendix B.
- ❖ Please refer to [irtools.com/insightqc](http://irtools.com/insightqc) for more details about this release and other articles related to INSIGHTqc.

### 3. New Features & Enhancements

#### 3.1 New Features

3.1.1 Added a new fieldbus type to support **Modbus TCP** fieldbus communication. This feature will be available for all controllers with “-F” or “-FM” advance license, and no additional hardware card is needed.



#### 3.2 Enhancements

3.2.1 Addressed a communication issue between VW XML server and the controller. (#5299, #2071143)

3.2.2 Reconciliation of EOR data upon network disruption with the ToolsNet server. (#5308, #1975865)

3.2.3 Fixed the issue of JOB ID and Date/Time output shown incorrectly in EOR data out. (#4787)

3.2.4 Updated the Help Menu for Backup/Restore screen. (#4865, #1831155)

## 4. Upgrade Instruction

### 4.1 Overview

Note: Please refer to the [Software Upgrade Matrix \(Appendix A\)](#) for steps to upgrade firmware to this latest version.

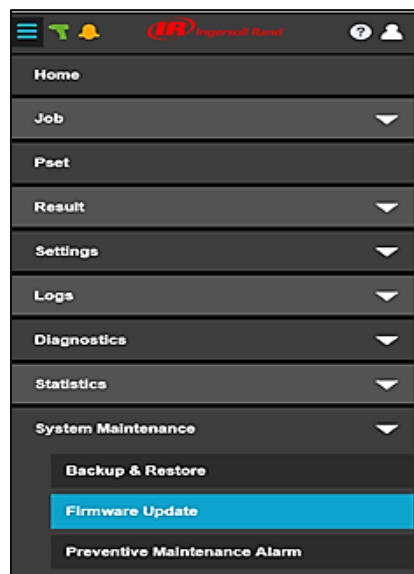
For more details, follow the instruction outlined in the *How-To Update the Firmware on INSIGHTqc* (see link below) on our customer portal to update the firmware for the INSIGHTqc Corded controller.

- Link: <https://irtoolhelp.ingersollrand.com/hc/en-us/articles/360046388214-How-To-Update-the-Firmware-on-INSIGHTqc>

### 4.2 Update with IRB file

Steps:

1. Download the required IRB file from FTP site.
2. Copy the IRB file folder to a USB flash drive.
3. Login to the controller local screen as **admin**.
4. From the controller Home screen, go to **MENU > SYSTEM MAINTENANCE > FIRMWARE UPDATE** screen:



5. Connect the USB flash drive with the IRB file to the controller USB port.
6. Click on the Upload button to update the software.



7. Wait for 5 min until the update completes and 'successfully completed' message is shown.
8. Controller will log off automatically.
9. Reboot the controller.

## 5. Appendix A – INSIGHTqc Software Upgrade Matrix

- The matrix below outlines the upgrade path for different version of INSIGHTqc software. For some users with older software version, multiple upgrade steps maybe required.

INSIGHTqc Software Upgrade Matrix		Upgrade from present version on controller								
		5.3.7	6.1.8	6.2.0	6.4.0	6.4.5	6.5.0	6.6.0	6.7.0	>= 6.8.5
To the desired version on controller	5.3.7									
	6.1.8		↓							
	6.2.0		1. IRB OS_Image_1_2_0 update 2. Reboot 3. IRB INSIGHTqc_6_2_0 update 4. Factory RESET : Yes Clear SATA : No							
	6.4.0		↓							
	6.4.5		↓	↓	↓	↓				
	6.5.0		SW Update: IRB Intermediate ver :6.5.0 Factory RESET : No Clear SATA : No	SW Update: IRB Intermediate ver :6.5.0 Factory RESET : No Clear SATA : No	SW Update:IRB Intermediate ver :6.5.0 Factory RESET : No Clear SATA : No	SW Update: IRB Intermediate ver :6.5.0 Factory RESET : No Clear SATA : No				
	6.6.0		↓	↓	↓	↓	↓	↓	↓	↓
	6.7.0	↓	↓	↓	↓	↓	↓	↓	↓	↓
	>= 6.8.5	1. Clear SATA : Yes 2. SW Update: USB v6.8.5 3. Factory RESET : Yes Intermediate ver :No	SW Update: IRB Intermediate ver :No Factory RESET : No Clear SATA : No	SW Update: IRB Intermediate ver :No Factory RESET : No Clear SATA : No	SW Update: IRB Intermediate ver :No Factory RESET : No Clear SATA : No	SW Update: IRB Intermediate ver :No Factory RESET : No Clear SATA : No	SW Update: IRB Intermediate ver :No Factory RESET : No Clear SATA : No	SW Update: IRB Intermediate ver :No Factory RESET : No Clear SATA : No	SW Update: IRB Intermediate ver :No Factory RESET : No Clear SATA : No	SW Update: IRB Intermediate ver :No Factory RESET : No Clear SATA : No

**Example 1:** To update **version 6.4.5 to version 6.8.7**, user will need to:

- Step 1: Update from **version 6.4.5 to 6.5.0** using the **IRB** file update method; there is **NO** need to perform factory reset or clearing the SATA drive.
- Step 2: Update from **version 6.5.0 to 6.8.7** using the **IRB** file update method. Again, there is **NO** need to perform factory reset or clearing the SATA drive.

**Example 2:** To update **version 6.7.0 to version 6.8.7**, user will need to:

- Step 1: Update from **version 6.7.0 to 6.8.7** using the **IRB** file update method; there is **NO** need to perform factory reset or clearing the SATA drive.

## 6. Revision History

### Revision History

Version	Date	Summary of Changes	Author
0.1	3/29/2021	Initial draft for version 6.8.7	Eng-Hua Yap
0.1	3/30/2021	Added <i>Example 2</i> in Appendix A	Eng-Hua Yap