



DRAFT

Firmware upgrading the Integriti controller

Introduction

This document explains how to upgrade the firmware on your Integriti controller using either the Integriti software management suite or a USB drive.

At the time of writing, Integriti controller firmware files are issued directly on a case by case basis.

Firmware files are named as 'M_XXXXX.DLD'

You can check the current firmware revision on the controller by using the following procedure:

1. Log in to the terminal: [0], [1], [Ok]
2. Go in to the information menu: [Menu], [1], [9]
3. The firmware revision will appear similar to '0.000_XXXXX' where *x* is the firmware revision.

You can use either one of the following two procedures.

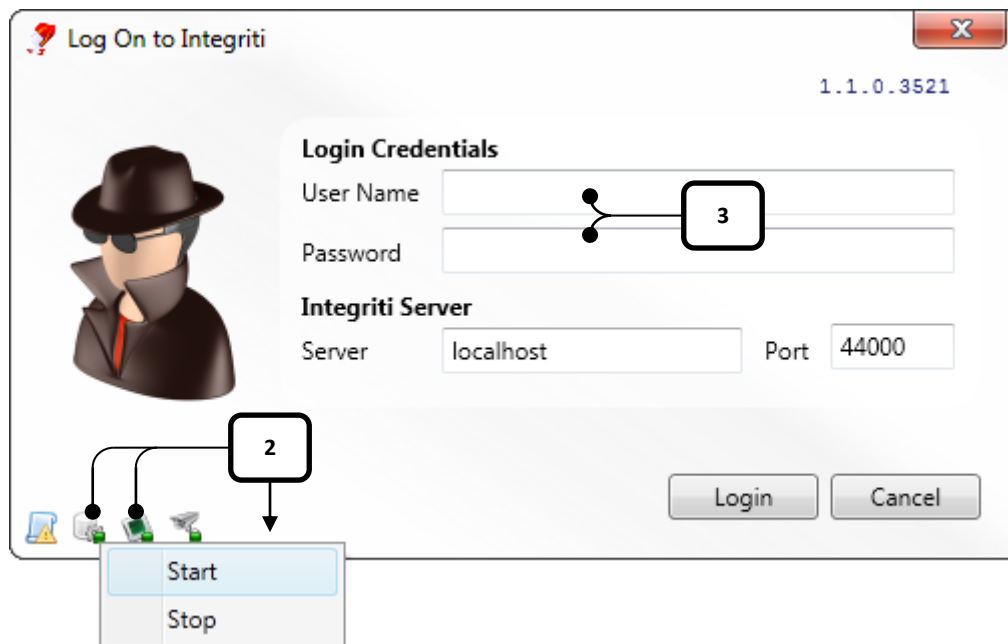


We recommend stopping, re-starting and testing communications tasks after controller firmware upgrades.

Upgrading the controller using the Integriti software

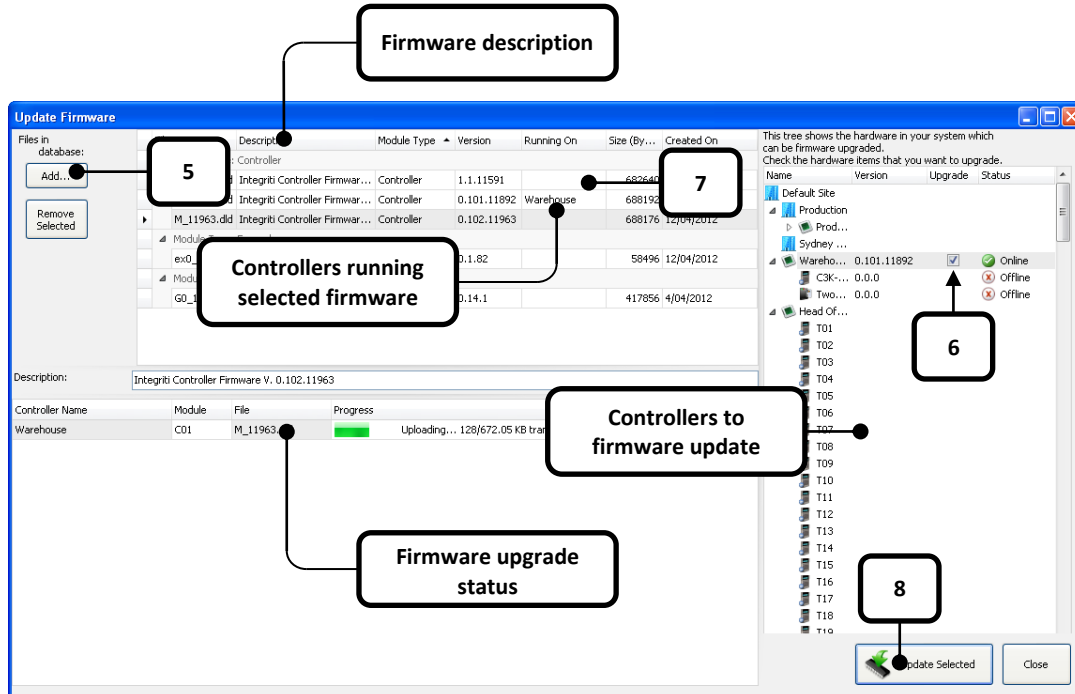
1. Run the Integriti client by clicking on the program icon under the start menu.
Start » All Programs » Inner Range » Integriti Pro » Integriti System Designer

2. Start the services (if they are not already running).

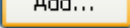


3. Log in using the username 'installer' and password 'installer'.

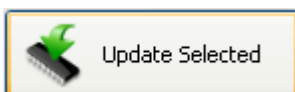
4. Click on the  Hardware tab followed by .



- The available firmware list will display all of the firmware files you add to the update manager.
- If you select a firmware file in the update manager you will see a description in the box underneath the firmware list.
- If the selected firmware is running on a module it will be displayed in the “Running On” list.
- The firmware upgrade status will indicate the progress of each individual controller / module being upgraded. The process is completed when the controller / module has come back online.

5. Click  to add new firmware revisions to the update manager.
6. Select one or many controllers/modules from the list on the right hand side of the update manager by ticking the appropriate check box(es).
7. Select the firmware revision you want to upgrade to from the list at the top of the update manager.

8. Click



Upgrading the controller from the terminal using a USB drive

Once you have received a copy of the controller firmware it is recommended that you copy the firmware file to a blank USB drive.

The USB drive should be formatted as one of the FAT file systems.

4. Plug the USB drive in to the USB Host port of the Integrity controller. The USB-H status led directly below the port should turn on.
5. Log in to the terminal: [0], [1], [Ok]
6. Go to the firmware upgrade menu: [Menu], [7], [4]
7. Select 'USB Drive': [Ok]
8. Select the firmware file 'M_XXXXX.DLD': [▼] x?, [Ok]
9. Confirm firmware replacement: [Ok]
10. Wait for the controller to check the firmware file.
11. Depending on the firmware revision on the USB drive versus the firmware currently running on the controller, you may be required to default your database. Press [9] to confirm this action or press [End] to abort the procedure.
12. Begin the firmware upgrade: [9]
13. The controller firmware upgrade progress will be displayed on the terminal. Once ready, the controller will re-start itself and will take approximately 40 seconds to come back online.

Common problems

Problem	Resolution
The firmware description is 'Update at own risk - Unknown file'.	<ul style="list-style-type: none">• The file is probably corrupt or the wrong file type.• Ensure the file is not compressed (in a ZIP file).

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