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# Industrial Automation

Tech Note 22

Crimson® 3.0 - System Console



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## **Abstract:**

This document explains how to use the System Console with the Graphite® Controllers.

## **Products:**

Graphite Controllers, DA Series Data Station (DA10 & DA30)

## **Use Case: Graphite Controller System Console**

The System Console allows for configuration of the Ethernet port and clearing the unit's memory via a USB connection.

## **Required Software:**

Crimson® 3.0 / 3.1

## **Required Firmware:**

Crimson 3.0 692.000+

Crimson 3.1 all builds

## Place Unit in Console Listening Mode

### GRAC00C5

1. Connect controller to PC via a USB cable.
2. Press and hold factory reset button on the unit.
3. Apply power to the unit.
4. Continue holding reset button until the green LED on the unit turns on solid while the red and blue LEDs begin blinking twice per second.

### GRAC00C1

1. Connect controller to PC via a USB cable.
2. Press and hold factory reset button on the unit.
3. Apply power to the unit.
4. Continue holding reset button until the green LED begins blinking twice per second.

### DA10/DA30

1. Connect controller to PC via a USB cable.
2. Press and hold factory reset button on the unit.
3. Apply power to the unit.
4. Continue holding reset button until the green LED on the unit turns on solid while the red and blue LEDs begin blinking twice per second.

## Launch System Console

### Crimson 3.0/3.1

1. Click *Link-Options...*
2. Select *USB*.
3. Click *OK*.
4. Click *Link-System Console...*
5. Configure Network Settings as needed or verify the system Details.
  - The Refresh button will refresh the Network Settings.
6. Click *Close and Restart* to apply new settings (if applicable) and reboot controller.

### Status does not show Ready state.

1. Close the console.
2. Verify *Link-Options* setting.
3. Verify physical connection.
4. Verify controller is in listening mode.
5. Click *Link-System Console* to attempt a new connection.

The screenshot shows the 'System Console' application window. It has a title bar with a close button. The window is divided into several sections:

- Status:** A text box displaying 'Ready.'
- Network Settings:** A section with several fields:
  - Network Mode: Disabled
  - IP Address: 0 . 0 . 0 . 0
  - Subnet Mask: 0 . 0 . 0 . 0
  - Gateway: 0 . 0 . 0 . 0
  - Port: 789
 Below these fields are two buttons: 'Set to DHCP' and 'Set to Manual'.
- Details:** A section with two text boxes:
  - Boot Version: 16
  - Runtime Version: 692.000
 Below these is a 'Clear Database' button.

At the bottom of the window are two buttons: 'Refresh' and 'Close and Restart'.

For more information: <http://www.redlion.net/support/policies-statements/warranty-statement>

