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OMEGA iServer 2 Intuitive Virtual Chart Recorder

OMEGA iServer 2 Intuitive Virtual Chart Recorder User Guide

Contents

OMEGA™

OMEGA iServer 2 Intuitive Virtual Chart Recorder

Specifications

- Product: iServer 2
- Manufacturer: Omega Engineering, Inc.
- Contact: **1-800-826-6342**

Product Usage Instructions

Firmware Upgrade Guide

1. Factory reset the iServer 2 and connect it to the Internet for automatic firmware upgrade.
2. Obtain the IP address of the iServer 2 from the local network.
3. Log in to the iServer 2 webserver using the provided credentials.
4. Access the System tab on the webserver interface.
5. Click on the Download Firmware button and download both firmware upgrade files.

Upgrading the iServer 2 with the Latest Firmware

1. Access the System tab on the iServer 2 webserver interface.
2. Click on the Browse button to select the first firmware file (.bin or .hex).
3. Confirm the selection by clicking Open.
4. Click on the Upgrade button to start the firmware upgrade process.
5. Once the upgrade is complete, repeat the process for the second firmware file.

FAQ

- **Q: Can I skip downloading one of the firmware files?**

  A: No, both firmware files are necessary for a successful upgrade process.
- **Q: What should I do if the upgrade process fails?**

  A: If the upgrade fails, restart the iServer 2 and repeat the upgrade process from the beginning.

USER'S GUIDE
iServer 2
Firmware Upgrade Guide

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CONTACT

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Introduction

This guide provides instructions on how to manually upgrade the firmware on an iServer 2 device.
To perform an automatic firmware upgrade, factory reset the iServer 2 and connect the iServer 2 to the Internet.

Downloading the Latest Firmware

The instructions below will outline the steps necessary to download the latest firmware files for the iServer 2. The user should note that there are two download files that will appear when an update is available for the iServer 2.

- **Step 1:** Ensure the iServer 2 has been setup, operational, and that the user has access to a PC or laptop with a web browser.
- **Step 2**: Navigate to the iServer 2 webserver login user interface by entering one of the following URLs into a web browser search bar: **http://is2-omegaXXXX.local**

  (the XXXX should be replaced by the last 4 digits of the iServer 2 device MAC address; located on the underside label of the device)
-

Figure 1: iServer 2 device label

or

Enter the IP address assigned to the iServer 2 by the local-area network it is connected to.

(Example: http://XXX.XXX.X.XXX the X should be replaced by the numerical values that make up the IP address of the connected iServer 2 device)

- **Step 3**: Log in to the iServer 2 webserver.
-

Figure 2: iServer 2 webserver login

Step 4: From the iServer 2 webserver interface, click the System tab on the upper right of the screen. A System Configuration pop-up window will appear.
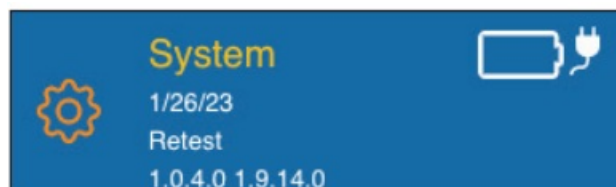

Figure 3: Webserver UI System tab

- **Step 5**: Click the Download Firmware button. Note that two download links will appear.

Important: iServer 2 devices require two firmware files to complete the firmware upgrade process: a .bin and .hex file. Both download URLs should appear when the user clicks the Download Firmware button.
iServer 2 devices that are using an older firmware version may only have one download link appear at a time. In case only one firmware link appears, proceed to download and install the file according to the steps outlined in the

rest of this section and the following section, then clear the web browser cache being used, and finally repeat the process starting from Step 5 of this section, until the iServer 2 firmware is up-to-date.

Figure 4: System Configuration pop-up window, Download Firmware button

Step 6: Click on both download links that appear to download both firmware upgrade files. Note that both files are necessary to successfully complete the firmware upgrade.
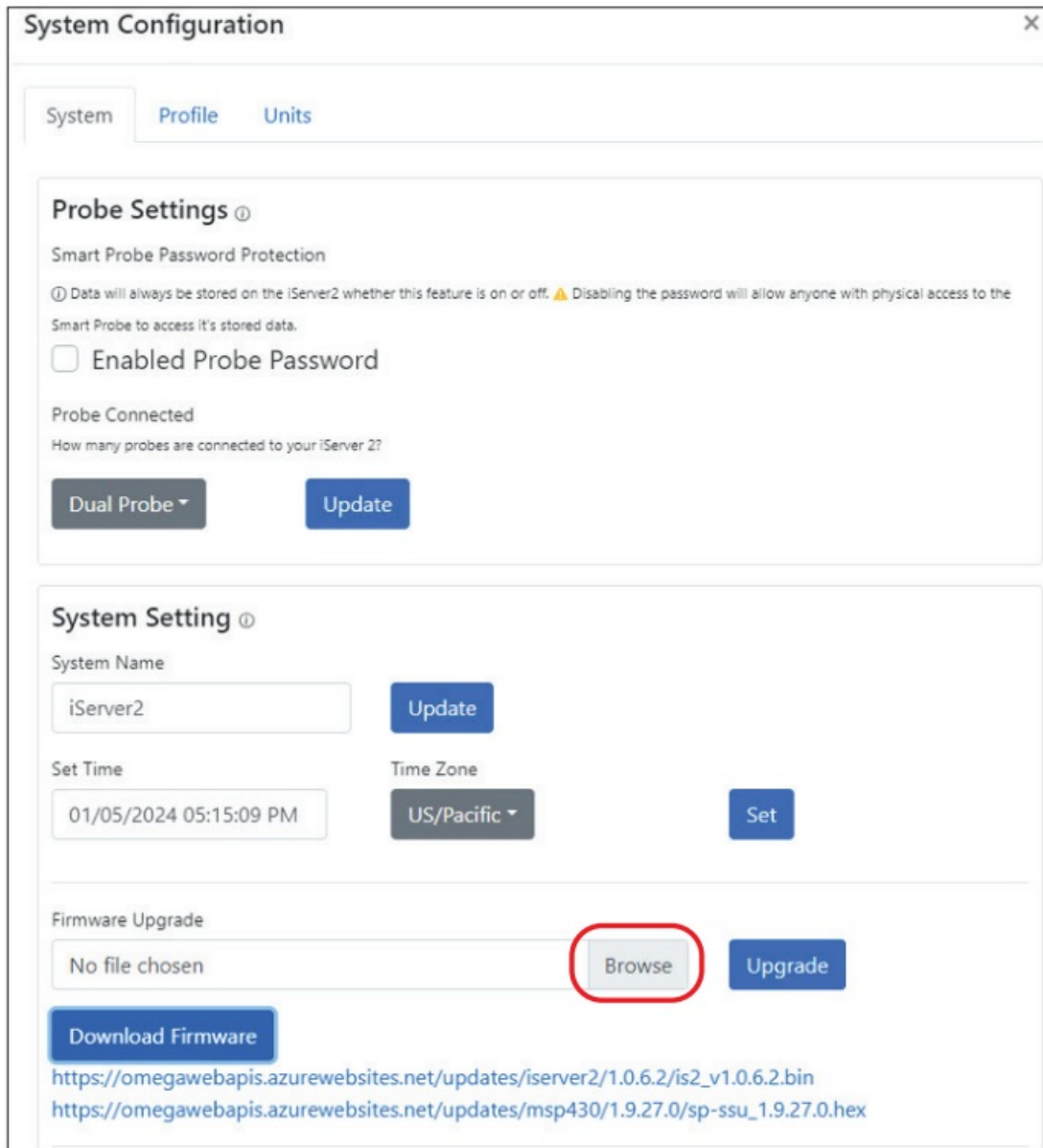

Figure 5: iServer 2 firmware download links

Upgrading the iServer 2 with the Latest Firmware

The instructions below will outline the steps necessary to perform the iServer 2 firmware upgrade process using

the recently downloaded firmware files.

- **Step 1**: From the System tab in the iServer 2 webserver interface, click on the Browse button to locate the first firmware file that will be used in the upgrade. The user may choose to start with either firmware file (.bin or .hex) as the order does not matter.

Figure 6: System Configuration pop-up window, Browse button

- **Step 2**: A pop-up window will appear allowing the user to select one of the recently downloaded firmware files to be used for the upgrade. Click Open to finalize the selection.
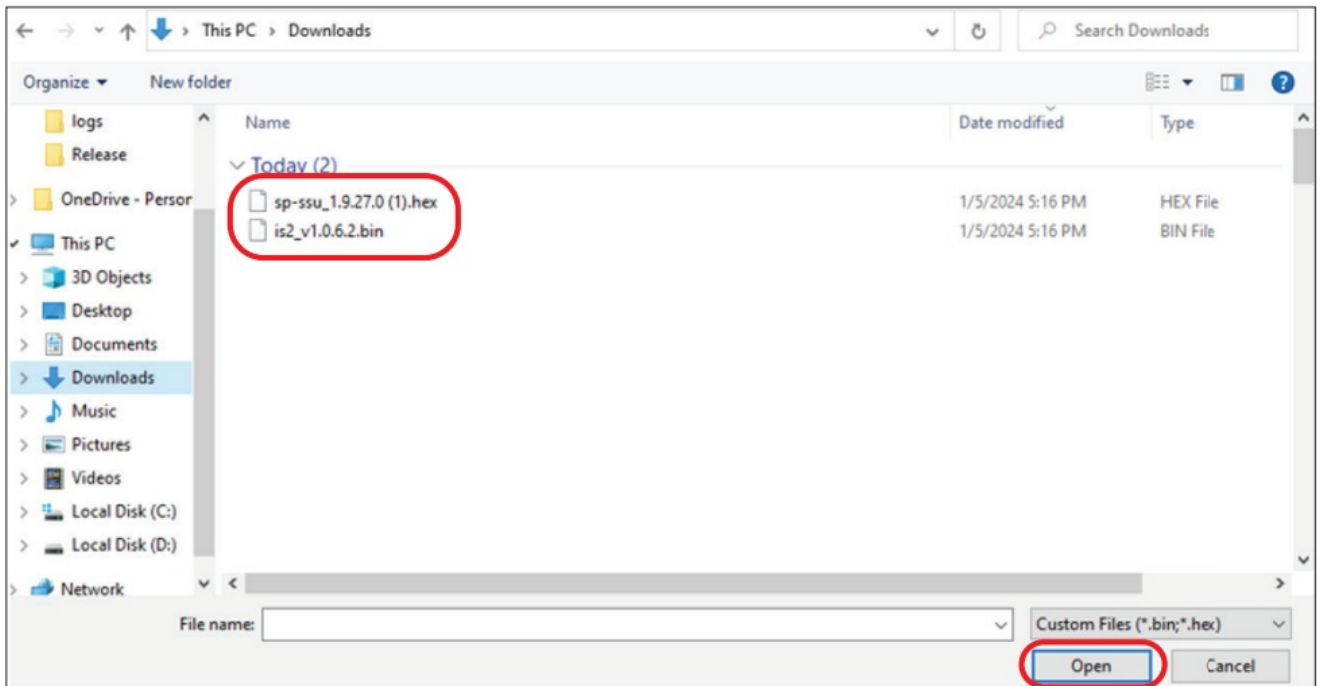
Figure 7: Firmware file selection for iServer 2 upgrade

- **Step 3**: With one of the firmware files selected, click the Upgrade button. The iServer 2 will begin the upgrade process and will reboot when the process is complete.
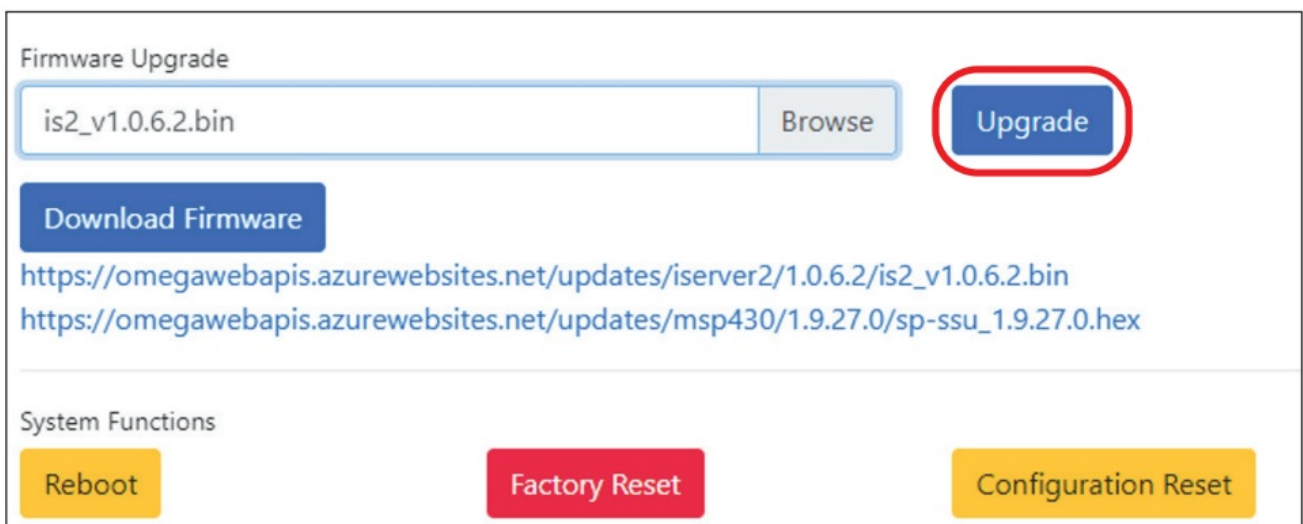

Figure 8: System Configuration Upgrade button

- **Step 4**: Repeat the process starting from Step 1 of this Upgrade the iServer 2 with the Latest Firmware section with the second firmware (.bin or ,hex, depending on which was used for the upgrade first).

WARRANTY/DISCLAIMER

- OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of 13 months from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal one (1) year product warranty to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.
- If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request.
- Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but

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Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.
The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR WARRANTY RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR NON-WARRANTY REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and

3. Repair instructions and/or specific problems relative to the product.

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Documents / Resources

OMEGA iServer 2 Intuitive Virtual Chart Recorder [pdf] User Guide
iServer 2, iServer 2 Intuitive Virtual Chart Recorder, Intuitive Virtual Chart Recorder, Virtual Chart Recorder, Chart Recorder, Recorder

References

- **Omega Engineering | Sensing, Monitoring and Control Solutions**
- **User Manual**

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