

USER'S GUIDE

iServer 2 Firmware Upgrade Guide



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1. 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.

2. 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.XXXX** 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.

Access
Admin Password
Login

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.

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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.

Firmware Upgrade		
No file chosen	Browse	Upgrade
Download Firmware		
https://omegawebapis.azurewebsites.net/updates/iserver	2/1.0.6.2/is2_v1	1.0.6.2.bin
https://omegawebapis.azurewebsites.net/updates/msp43	0/1.9.27.0/sp-s	su_1.9.27.0.hex

Figure 5: iServer 2 firmware download links

3. 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.

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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.

\leftarrow \rightarrow \checkmark \uparrow \clubsuit > This PC > Downloads \checkmark	م S	Search Downloa	ıds	
Organize - New folder			· 🔳 (?
logs ^ Name Release > Today (2)	Date modified	Туре	:	^
 OneDrive - Person sp-ssu_1.9.27.0 (1).hex is2_v1.0.6.2.bin is2_v1.0.6.2.bin Desktop Documents Documents Downloads Music Pictures Wideos 	1/5/2024 5:16 1/5/2024 5:16	PM HEX PM BIN	File	
Local Disk (0:) Local Disk (0:)		_		~
File name:	∼ Cus	tom Files (*.bin;*. Open	hex) Cancel	~

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.

Firmware Upgrade	
is2_v1.0.6.2.bin	Browse
Download Firmware https://omegawebapis.azurewebsites.net/updates/ise https://omegawebapis.azurewebsites.net/updates/ma	erver2/1.0.6.2/is2_v1.0.6.2.bin hsp430/1.9.27.0/sp-ssu_1.9.27.0.hex
System Functions Reboot Factory Reset	Configuration Reset

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.

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The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

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- 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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