VISIONARY
NETWORK AUDIO VIDEO

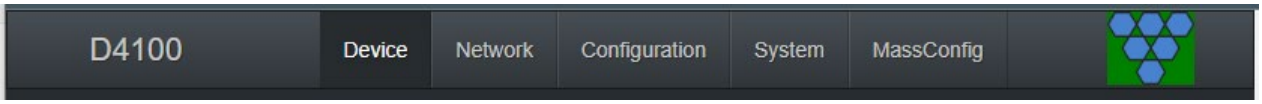
4000 Series • Encoder/Decoder — Firmware Update Guide

The purpose of the document is to provide instruction and information on firmware updates for Visionary's 4000 Series encoders and decoders. This guide applies to both 1.x and 2.x generations of firmware.

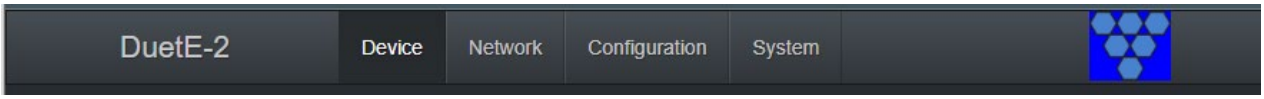
It is important to be aware of the current firmware running on a unit before you perform any updates. Units that are running 1.x firmware are only compatible with other units running 1.x firmware. Units that are running 2.x firmware are only compatible with other units running 2.x firmware. Units that are running 1.x firmware may be updated to 2.x, however, not all units running 2.x may be downgraded to 1.x.

For a unit that is running 2.x to be downgraded to 1.x, the original firmware loaded onto that unit must have started off as 1.x firmware. In addition, some model types are only capable of running 2.x firmware. You can determine if a unit is capable of running 1.x firmware by placing your mouse over the Visionary logo in the upper right corner of the unit's web UI. If the background turns green, that unit is capable of running 1.x or 2.x firmware. If the background turns blue, that unit can only run 2.x firmware.

Green background = Can run 1.x or 2.x firmware



Blue background = Can only run 2.x firmware



Note: after updating a unit from 1.x to 2.x, or when going from 2.x to 1.x it is recommended to factory default the unit after it is running the desired firmware version.

There are 2 different methods to update the firmware of an encoder or decoder.

1. VLite (recommended)
2. System page of an encoder or decoder web UI

VLite (Vision Lite)

Vision Lite is a 4K Matrix Switching, Video Wall Control, and configuration software for use with Visionary's 4000 Series encoder and decoder endpoints.

The Vision Lite Server Application is cross-platform capable (or OS agnostic), meaning that the software works on Windows, Mac, and Linux. The Vision Lite User Interface is a browser-based application that works on PCs, Apple or Android tablets, and mobile devices. Browsers supported are Chrome, Firefox, Internet Explorer, and so on.

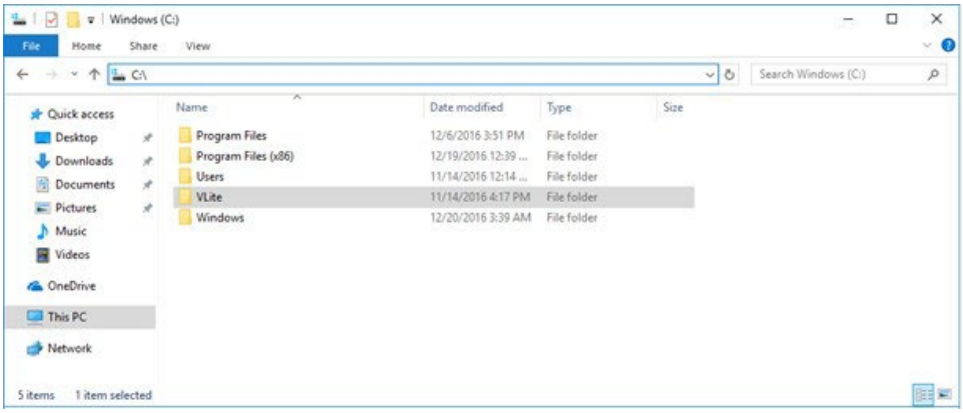
Vision Lite automatically discovers units on your network without any configuration.

Follow these instructions to install the Vision Light software.

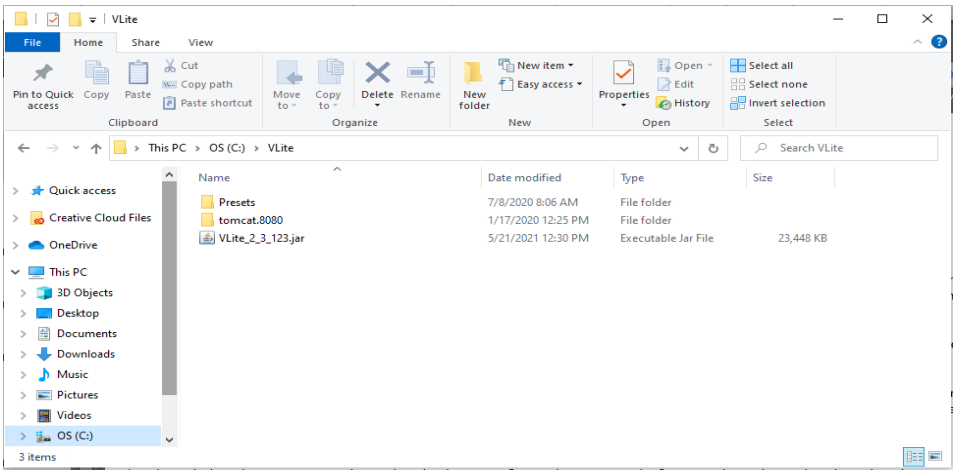
1. The compatible version Java JRE runtime (1.8.0) is a prerequisite on the machine running VLite.
    - The JRE can be found here: Java Download

2. Download the latest Vision Lite software from: http://visionary-av.com/

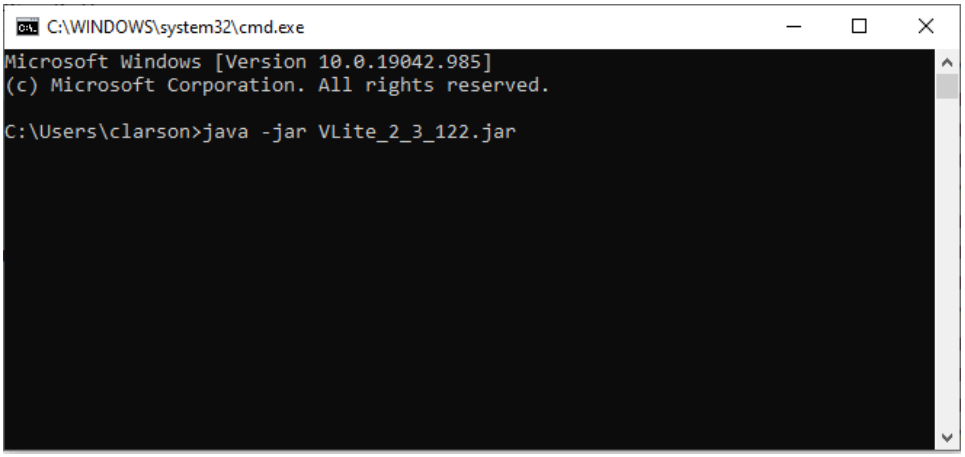
3. Manually create a read/write-able folder/directory C:\VLite at the root of your C:\ drive.
    - This is the recommended directory to place the downloaded VLite.jar file, but you can place the file anywhere on your computer.



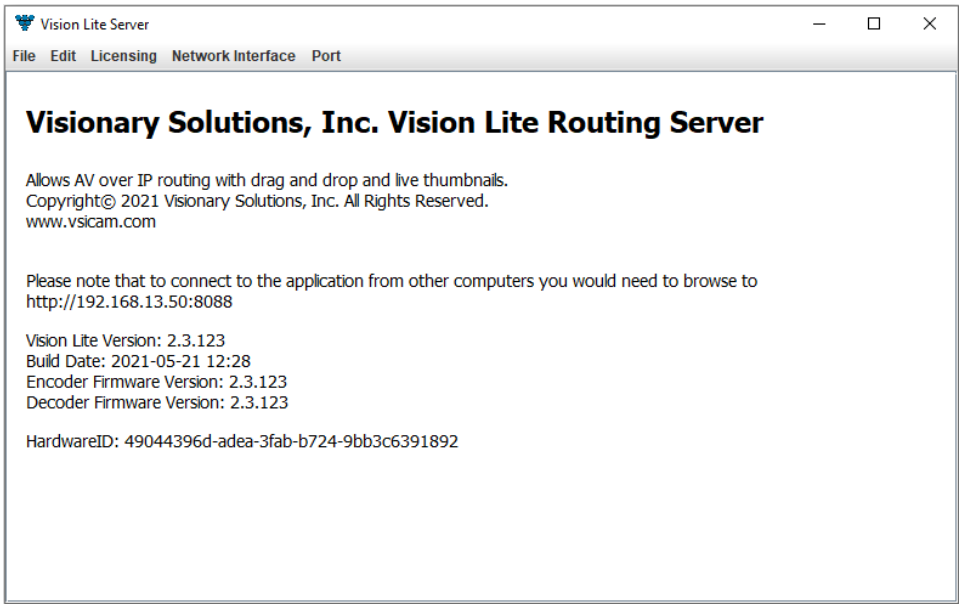
4. Save the VLite.jar file that you downloaded to the \VLite folder you just created.



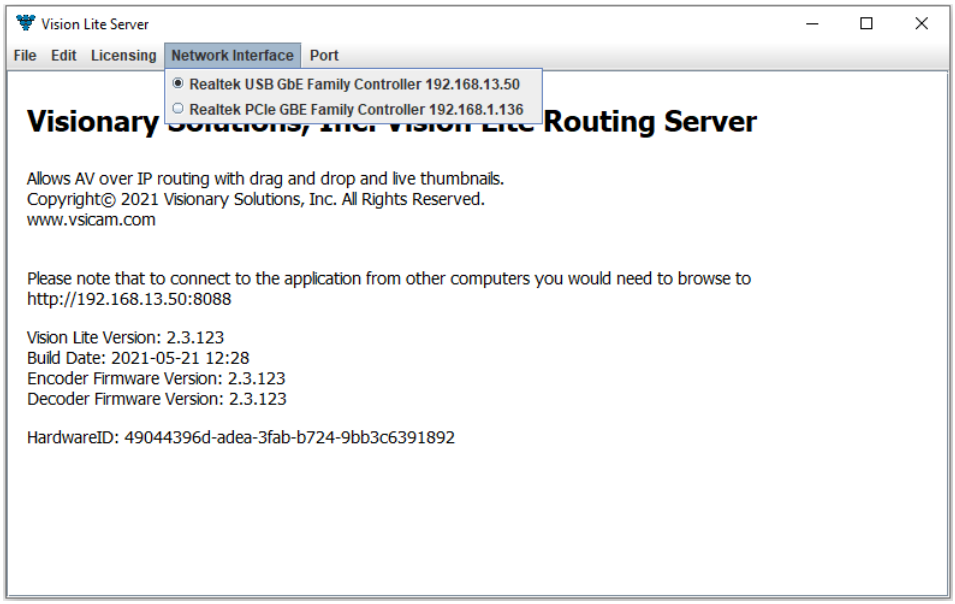
5. Launch the Vision Lite Server application by double clicking the VLite.jar file, OR from a command line interface using the following command: java -jar VLite.jar.



6. The Vision Lite Server window opens.



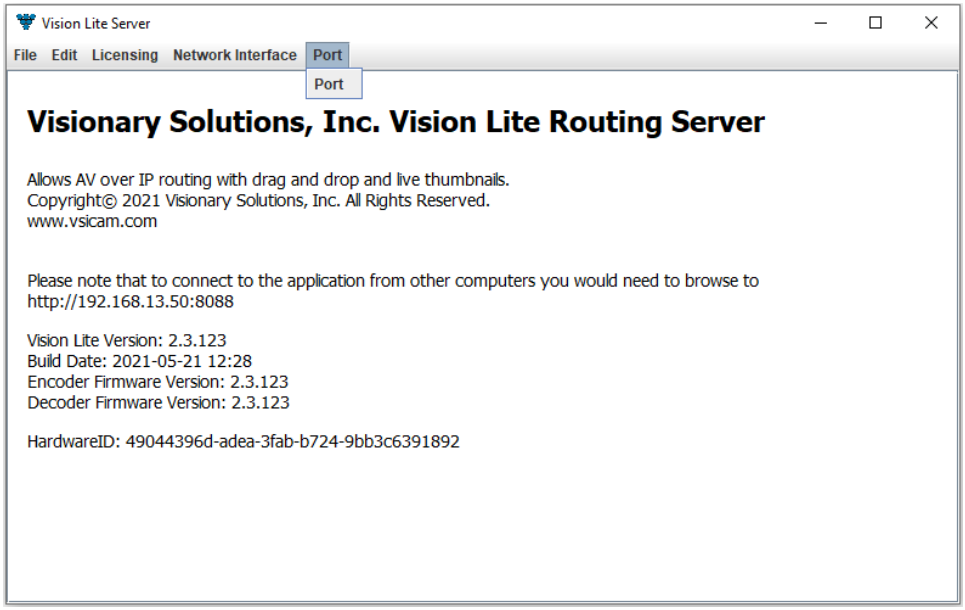
7. Go to the Network Interface menu and select the appropriate network interface.

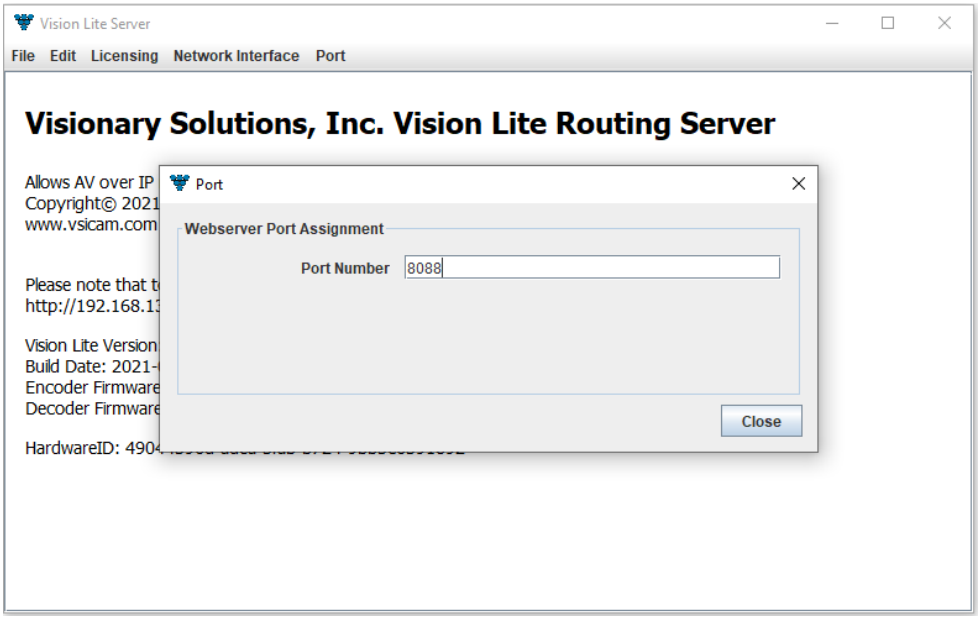


Select the network interface that the Vision Lite Server will be "listening" on. If your machine has more than one network interface, you will need to select the interface that is connected to the same network as the units.

Important: *The Vision Lite Server window can be minimized in the background; however, it must always be running.*

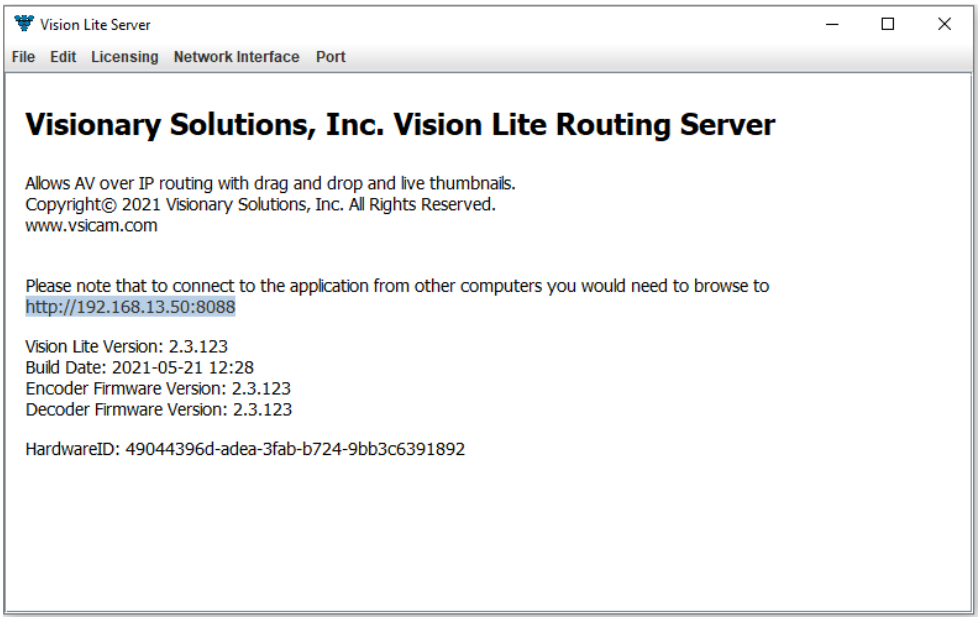
8. The default port assignment for VLite is 8080, other programs running on the computer may be using port 8080. If that is the case, the port for VLite will need to be changed for VLite to open. To change the port assignment, click on "Port" then enter the desired port number.



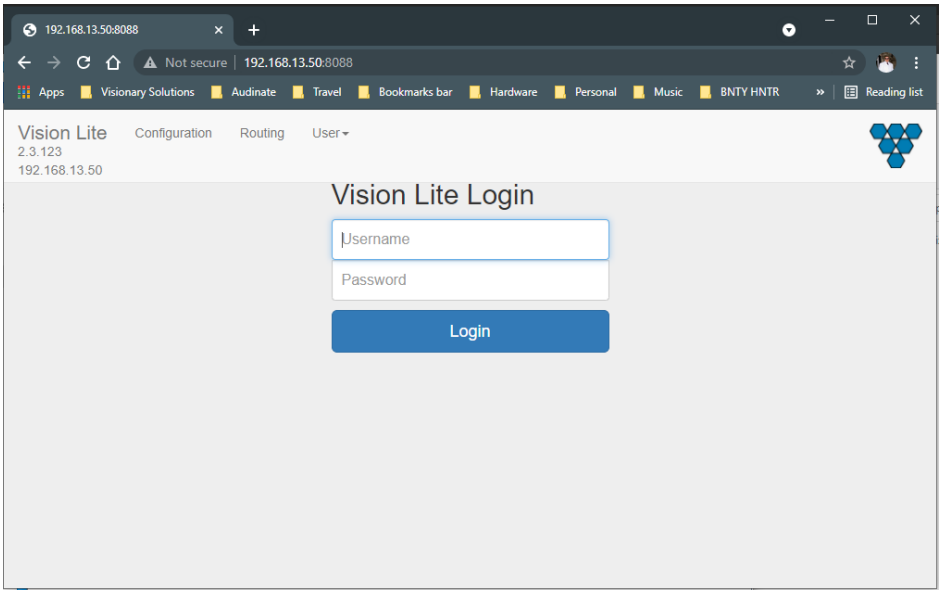


Important: *The Vision Lite Server window needs to be closed and then reopened for the new port number to be assigned.*

9. Copy the Vision Lite Server IP Address from the Vision Lite Server window to your clipboard.



10. To launch the Vision Lite User Interface, open a browser page and copy the Vision Lite Server IP Address IP Address to the URL.



Note: *You can log in from any machine on the network.*

11. Log in with username=admin password=admin.

Note: *A second user type with limited access rights is available. Log in with username=user1 password=user1.*

12. The Configuration page opens. You now have access to configure each unit.

- On the Configuration page, you can click on the IP Address (hyperlink) of any endpoint to open the embedded web interface for each unit. On the unit's web interface, you can rename the units and/or set a user defined location.

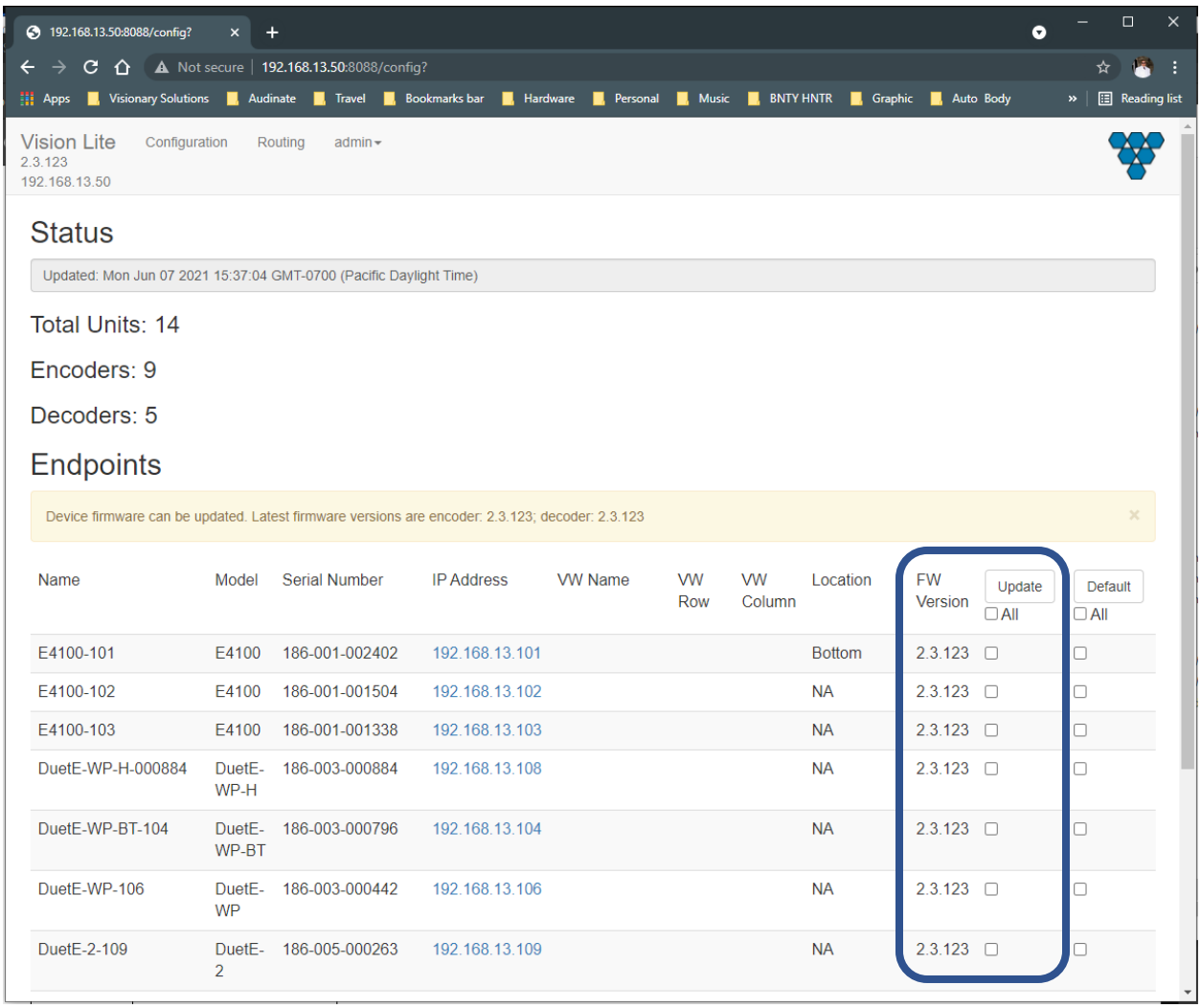
Important: *SPECIAL CHARACTERS ARE NOT ALLOWED FOR UNIT ID AND LOCATION. Example: -@#$% are not allowed.*

Note: *When making changes to the endpoints, the endpoints briefly disappear from the Vision Lite User Interface while they are rebooting, and the application rediscovers them.*

- From the Configuration page, you can update the firmware for any units that may be out of date. The Vision Lite software displays a message if newer firmware is available.

13. Select the units to be updated.
    - You may select individual units or select the "All" box to select all located units.

14. Press the "Update" button.
    - All selected units will be updated to the version of VLite that is running.
    - The update process will take approximately 10 minutes.



- On the Routing tab, you can drag-n-drop to route and switch sources to displays.

Note: *Double-click the preview of a unit to open that unit's web UI from the Routing tab.*

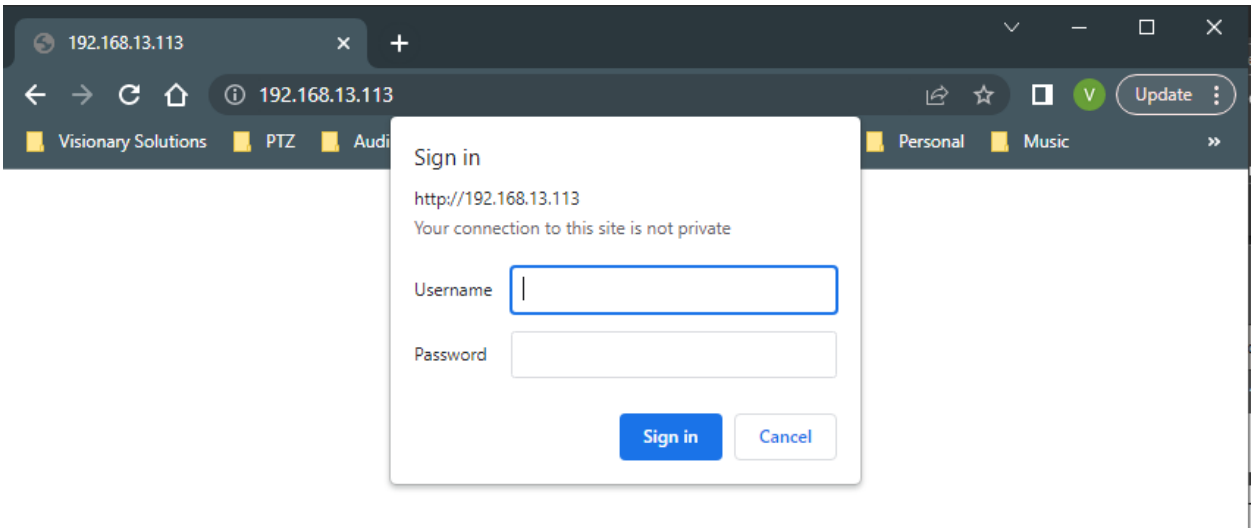
Web UI System Page

Individual firmware files may be uploaded to a 4000 Series encoder or decoder using the System page of the unit's web UI. To obtain the individual encoder or decoder firmware files, please contact support@visionary-av.com

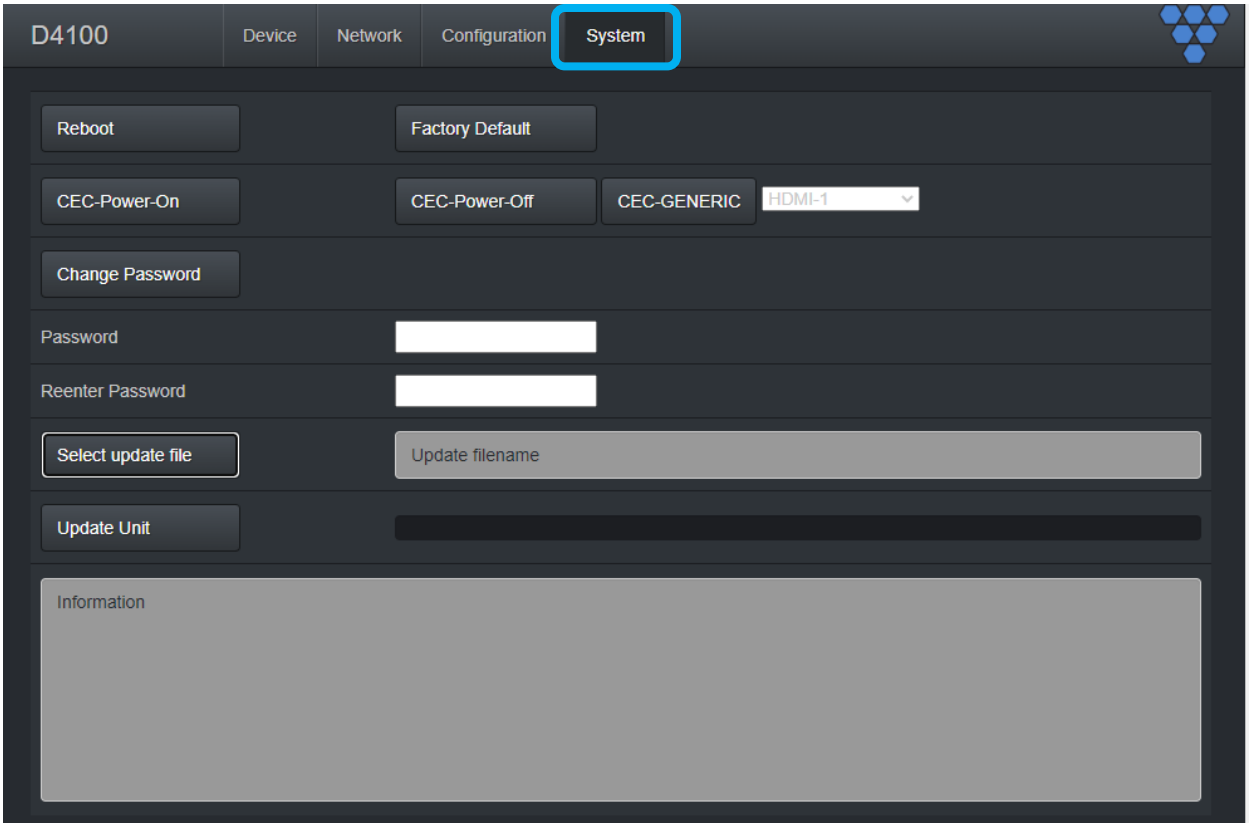
Important: *please contact Visionary support to obtain the firmware files,* ***DO NOT*** *attempt to upload the VLite .jar file to an encoder or decoder via their web UI System page. This may result in the unit needing to be sent to Visionary to be recovered.*

1. Navigate to the encoder or decoder web UI.
    a. http://<unit_IP_address>
    b. Example: http://192.168.8.101

2. Log in with username=admin password=admin.

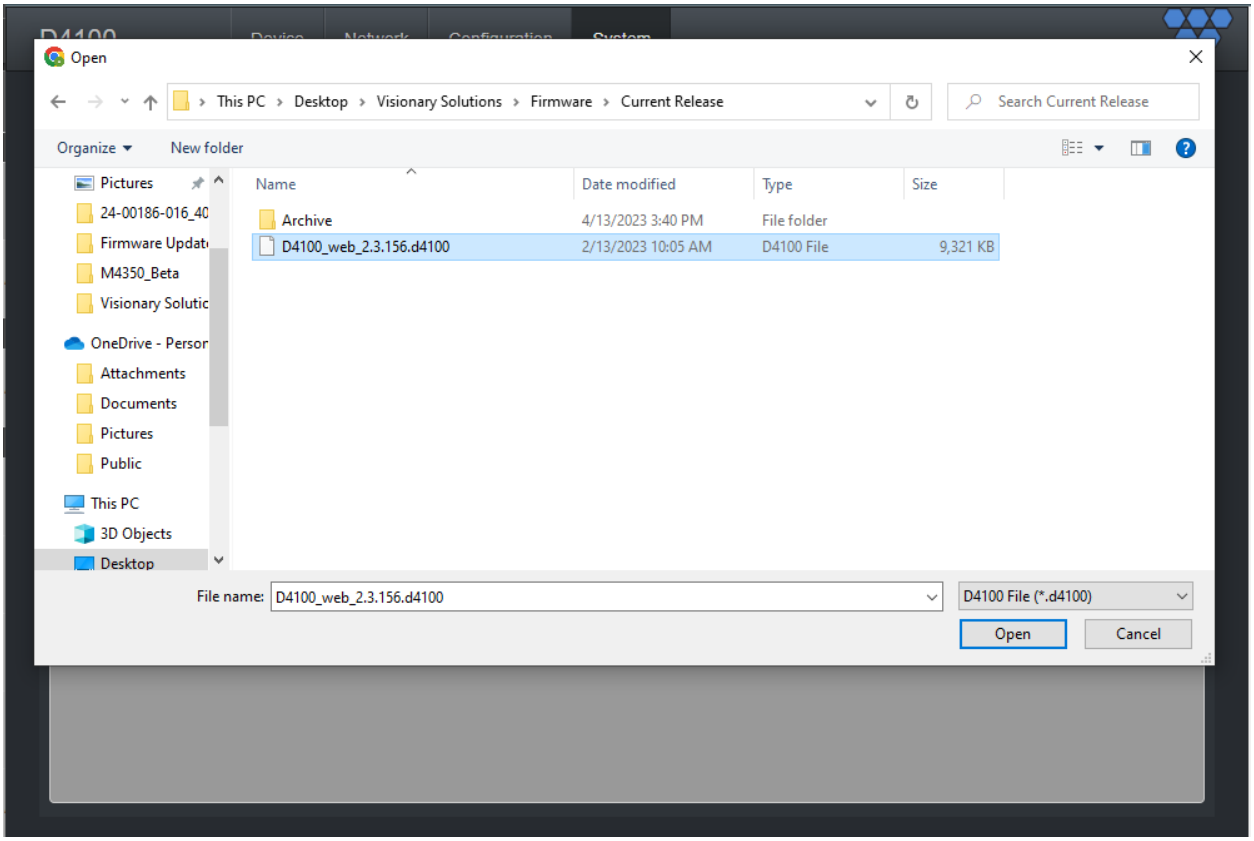


3. Navigate to the System page.

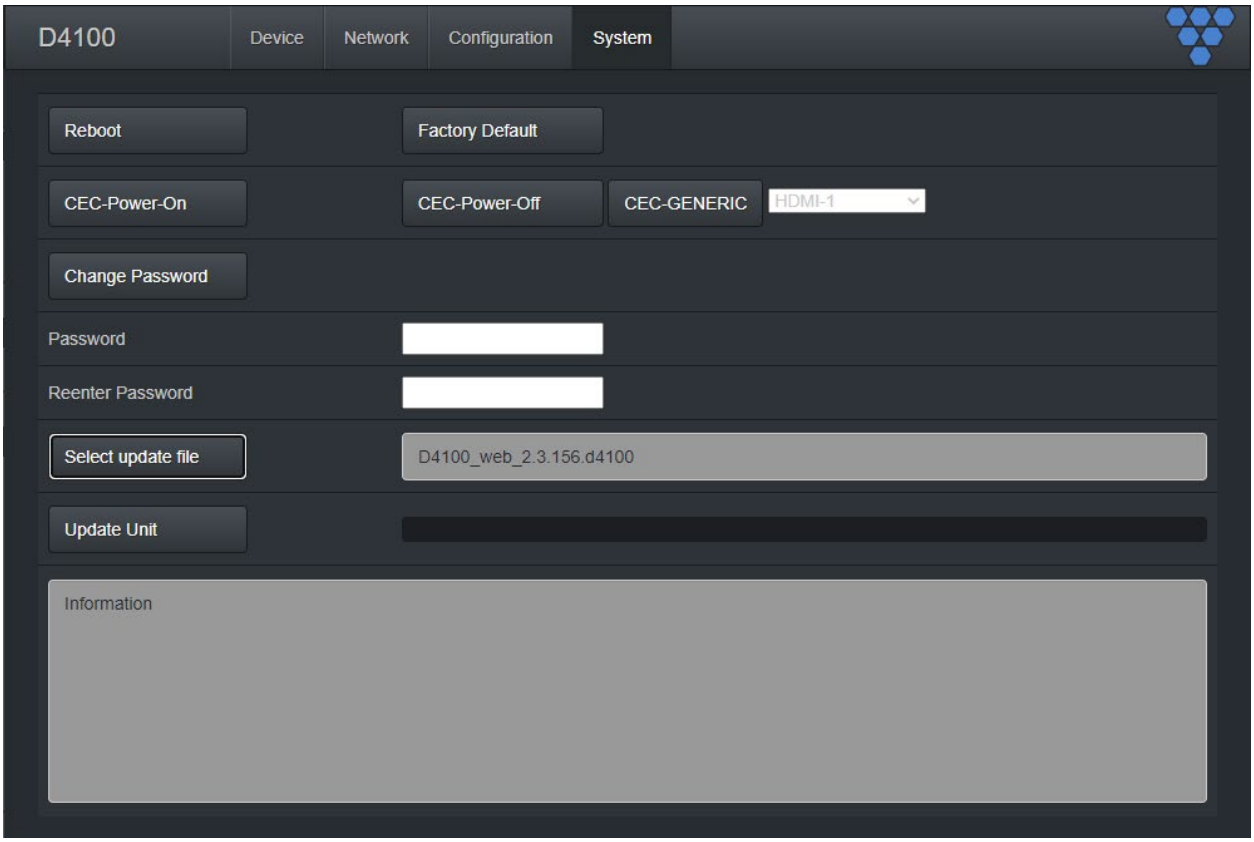


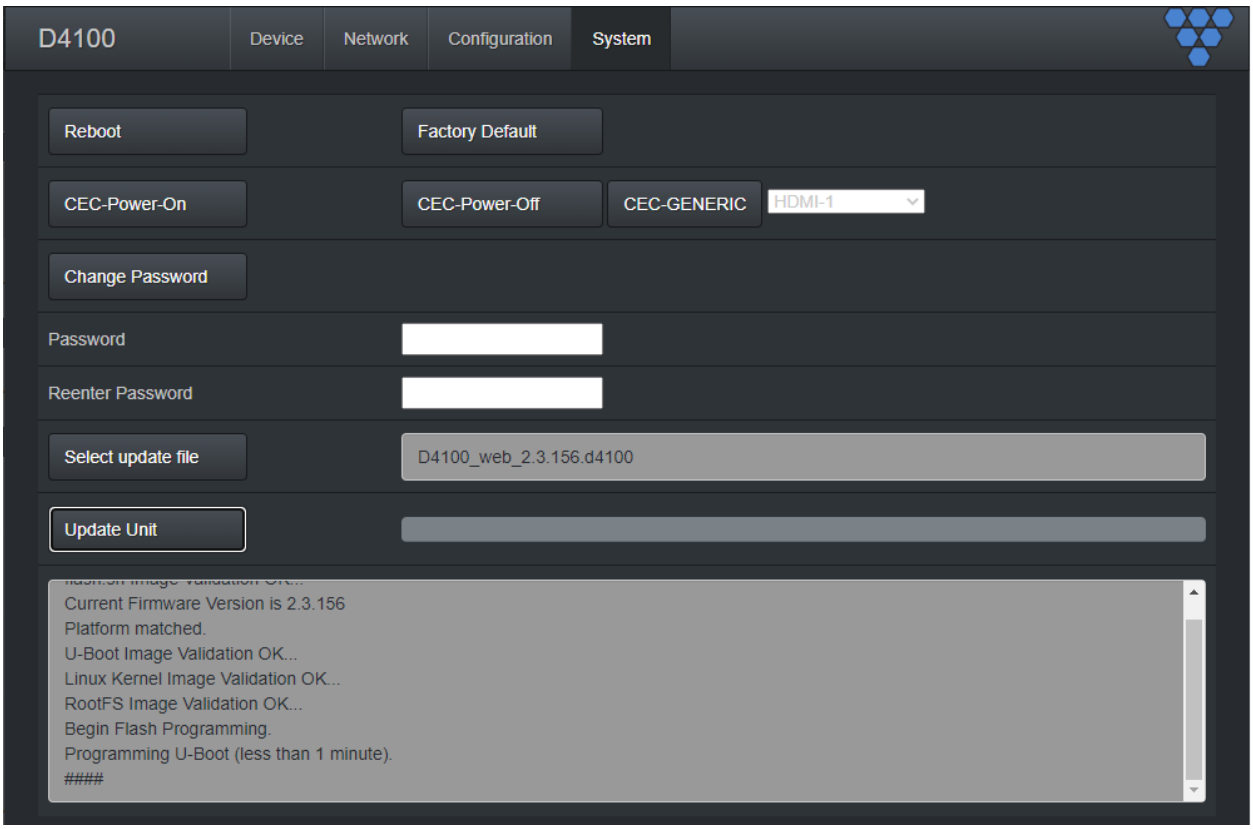
4. Click on the Select update file button.

5. Locate and select the desired firmware file.



6. Click the Update Unit button.
    a. Firmware will be uploaded to the unit.
    b. Status will be reported in the status window.
    c. The update process will take approximately 10 minutes per unit.





Important: *once the update has completed the encoder or decoder will reboot on their own as part of the update process.* ***DO NOT interrupt the update process or reboot the unity manually.*** *This may result in the unit needing to be sent to Visionary to be recovered.*

Please contact Visionary support with any questions or for assistance: support@visionary-av.com