# Converting the FR Engine of GV-FR Panel

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## Applied to

GV-FR Panel

## Summary

The document describes the procedures for how to convert the FR engine of GV-FR Panel -- which will erase the whole face database within -- and re-create face profiles in the GV-FR Panel. If you are using the GV-ASManager access control system, you can synchronize its user data to the GV-FR Panel. If not, you can use the GV-Face Manager utility to batch enroll faces into GV-FR Panel.

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**IMPORTANT:** After the engine conversion, the face database existing in the GV-FR Panel will be erased. You will need to re-create face profiles in the GV-FR Panel.

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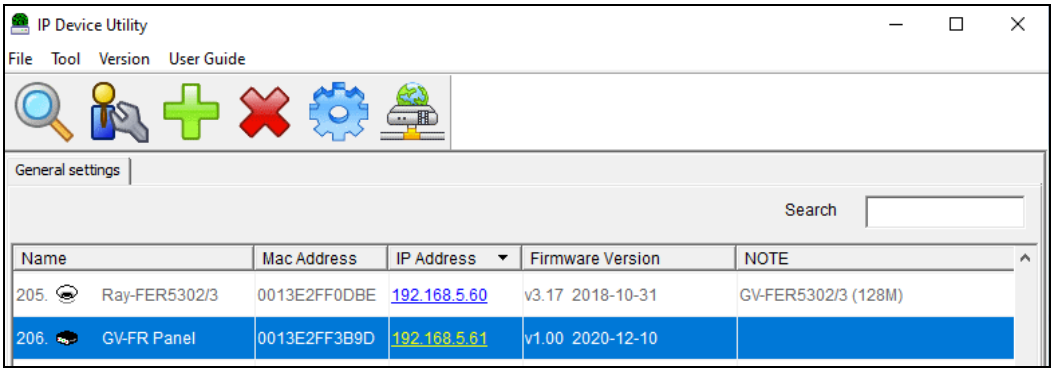
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# 1. Converting the FR Engine

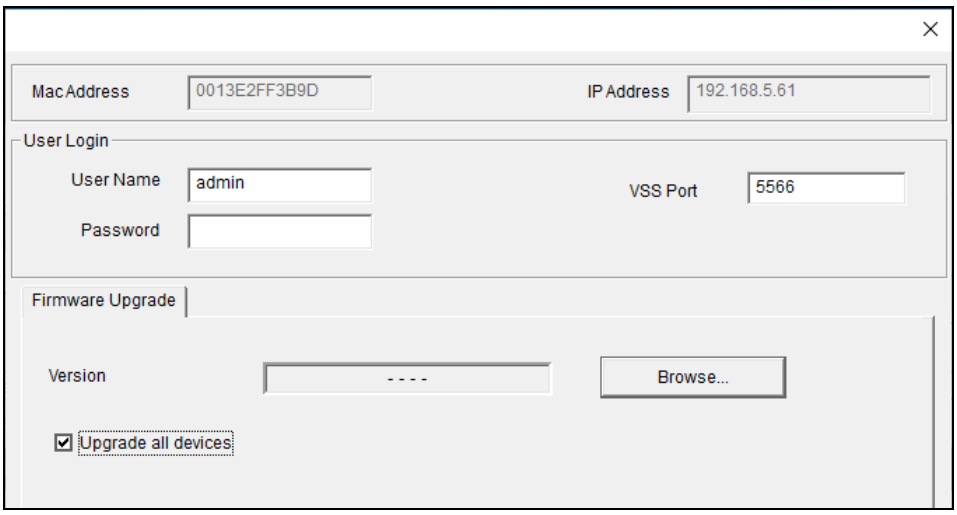
1. Use **GV-IP Device Utility** (V8.9.3 or later) to convert the engine version. The utility is available from our website.

**Note:** The computer used to change the engine version must be within the same network as the GV-FR Panel.

A. Run the utility, and double-click on the IP address of the desired GV-FR Panel found by the utility.



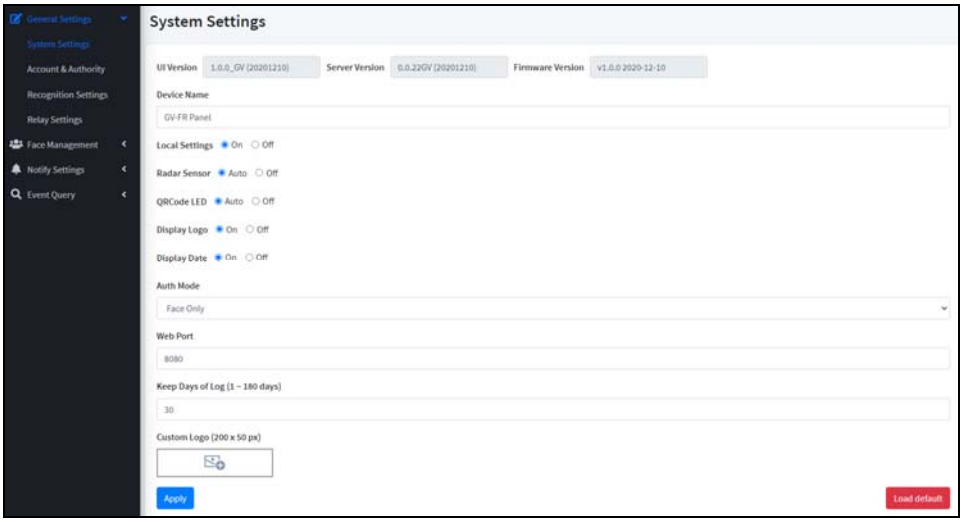

B. On the following dialog box, click the **Browse** button to locate the firmware file (.img) saved at your local computer.




C. Type **Password** of the GV-FR Panel, and click **Upgrade** to start the engine conversion.

2. Load factory default settings.

   A. Through the Web interface, click **General Settings** > **System Settings** and click **Load Default** at the right-bottom corner of the page.

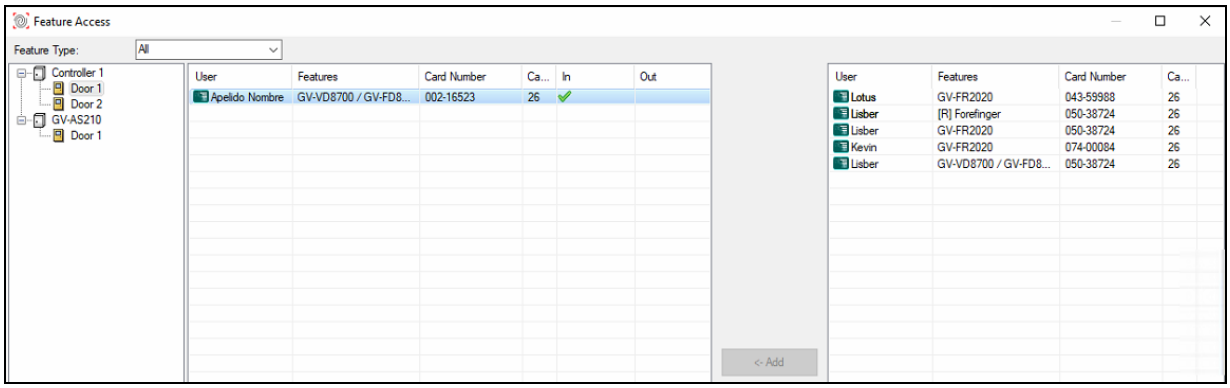



   B. Through the local settings, tap the **GeoVision logo** at the upper-left corner of the touchscreen panel, type the login password and select **Restore Factory Default**.

# 2. Re-Creating Face Profiles

## 2.1 Using GV-ASManager to Re-Uploading User Data

If you are using the GV-ASManager access control system to manage the GV-FR Panel, it is easy to re-upload user data to the GV-FR Panel. On the menu bar of GV-ASManager, click **Setup** > **Feature Access**. On the Feature Access dialog box, select the **Door** to which the GV-FR Panel is connected to.



From the right column, select the Users to be added to the GV-FR Panel database and click **Add**. A green tick ✅ is then displayed to every User that has been successfully uploaded to the GV-FR Panel.

If you want to create a large quantity of brand-new Users with face photos in GV-ASManager, refer to *1.1.2 Batch Enrolling Users and Faces* in *Enrolling and Managing User Faces for GV-FR Devices with GV-ASManager*.

## 2.2 Batch Enrolling Users and Faces

You can use the batch enrolling feature of **GV-Face Manager** to import a large quantity of face photos and access card data to the GV-FR Panel. The utility is available from GeoVision's website

- To batch enroll faces, without access card data, follow the procedures outlined under *2.2.1 Batch Enrolling Faces Only*.
- To batch enroll both faces and access card data, from **third-party controllers**, follow the procedures outlined under *2.2.2 Batch Enrolling Faces + Cards from Third-Party Controllers*.

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**Note:** All photos used for face enrollment must meet the criteria as specified in *GV-Face Recognition Camera FAQ*.

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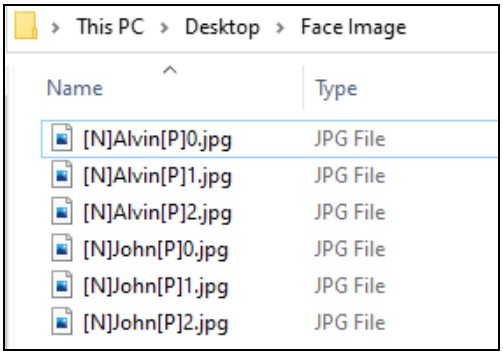
### 2.2.1 Batch Enrolling Faces Only

To enroll multiple face photos, save all of the face photos to the same folder on your PC and rename them as exemplified below:

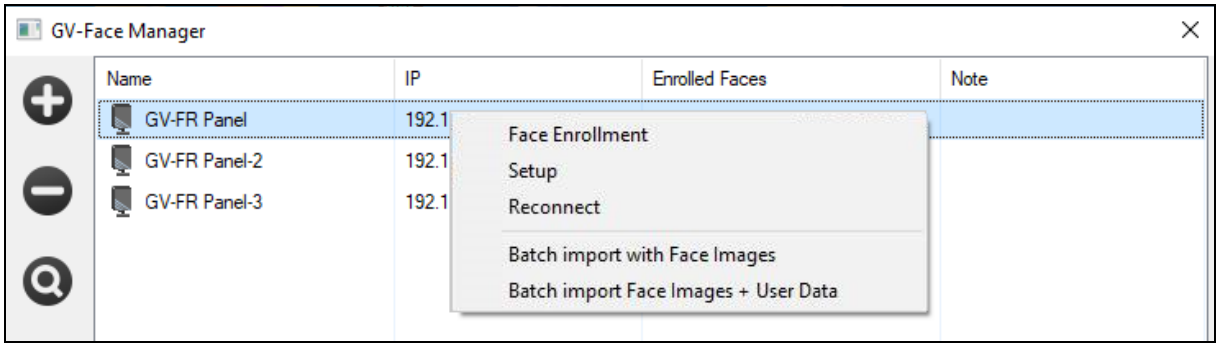
[N]<Face ID Name>[P]<Image No. – 1>.jpg

For example, [N]Alvin[P]0.jpg, [N]Alvin [P]1.jpg, [N]Alvin[P]2.jpg

The above image files will be added to Face Profile Alvin, as the first, second and third images.




Once all the face photos are named properly and saved under the same folder, right-click on the GV-FR Panel, to be batch enrolled into, on the GV-Face Manager and click **Batch import with Face Images** to locate and select the folder.

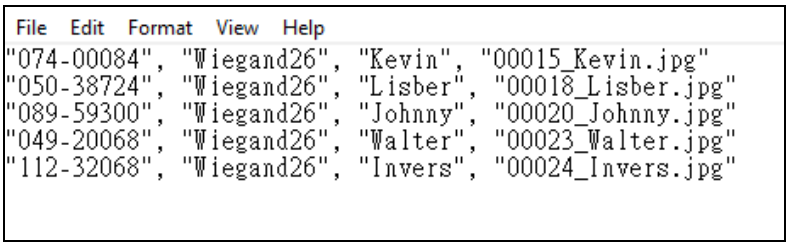



**Note:** <Image No. – 1> indicates the order of the images minus one.

### 2.4.2 Batch Enrolling Faces + Cards from Third-Party Controllers

To enroll access card data along with multiple face photos, from third-party controllers, to the GV-FR Panel, follow the steps below:

1. Save an TXT file, exported from a third-party controller, in the following format: “Card No”, “Card Code”, “User”, “File Names of Face Photos”




2. Save the photos of the Users within the same folder as the TXT file.
3. Right-click on the GV-FR Panel, to be batch enrolled into, on the GV-Face Manager and click **Batch import Face Images + User Data** to locate and select the folder.

