IrisAccess®
Advanced Identity Authentication

LG IRIS

Upgrading
EAC v1.x to EAC v3.x Software
Quick Installation Guide

iData™
Advanced Identity Authentication™ Software

This document describes the procedure for upgrading an existing IrisAccess® 3000 EAC v1.xsystem (Using MS Access DB) to EAC v3.x software. By following this procedure, the existing database and system configurations will be maintained.

Warning: The IrisAccess Database and Log files should be backed up before proceeding with this upgrade procedure.

Backup the existing IrisAccess database

* Note: Once the IrisAccess® Database has been upgraded to the EAC v2.x format it will not be usable with software versions lower than v1.x. Keep a backup copy of your original database (in v1.x format).

1. Close all open IrisAccess programs including IrisServer.
2. Backup the database using IrisDBAdmin or IrisManager
3. Copy the existing database (IA3000SDB.mdb) into a different directory.
    a. Right click on Start and select Explore.
    b. Go to the C:\Program Files\LG Electronics\IrisAccess 3000 folder.
    c. Right click on the file named "IA3000SDB.mdb" and select copy.
    d. Click File on the menu bar and choose New then Folder.
    e. Rename folder to "DB v1_x Backup"
    f. Open the "DB v1_x Backup" folder.
    g. Click on Edit then Paste (this is the backup of your v1.x DB file)

Removing the existing EAC software

1. If not done already, close all IrisAccess programs including IrisServer.
2. Remove the current version of IrisAccess EAC Software.
    a. Go to Add/Remove Programs in the Windows Control Panel.
       (Start > Settings > Control Panel > Add/Remove Programs)
    b. Select IrisAccess ™ 3000 EAC v1.x SW, click Change/Remove.
    c. Select Remove, click Next.
    d. Click OK to completely remove.
       (The software will uninstall)
    e. Click Finish.
    f. Close the Add/Remove Programs window.
    g. Close the Control Panel.

Upgrade the FGB3000 Driver

* Note: The FGB Driver v3.3 is used in EAC v3.00 software. There is no need to change the FGB driver for an upgrade from EAC v1.241 and above. If upgrading from EAC v1.2 or below, follow the steps below to upgrade to the V3.3 FGB3000 driver.

1. Remove the existing FGB3000 Driver.
   a. Go to Device Manager in the Windows Control Panel.
   (Start > Settings > Control Panel > System > Hardware > Device Manager)
   b. Click on Sound, Video, and Game Controllers.
   c. Right click on "FGB3000 V3.2" or "FGB3000 V3.1" and select Uninstall.
   d. Click OK to remove.
   e. Click Yes to Restart the computer.
   f. After reboot, if you are prompted to install the "FGB3000 V3.2" or "FGB3000 V3.1" driver select No, then click Finish.

2. Install the FGB3000 V3.3 driver.

* Note: The FGB3000 V3.3 driver is only required if using an EOU 3000. If an EOU3000 will not be used, the FGB3000 driver is not required. If an EOU3000 will be used, the FGB3000 driver is required. The FGB3000 V3.3 driver cannot be used with versions of the EAC software below EAC v1.241.

   a. Insert the IrisAccess™ 3000 EAC v3.x software CD into the CD-ROM drive.
   b. Open the Windows Device Manager (Start > Settings > Control Panel > System > Hardware > Device Manager)
   c. Under "Sound, Video, and Game Controllers", right click on the listing for Multimedia Controller (Yellow Exclamation Mark)
   d. Select Properties and click Driver.
   e. Click Update Driver, then Next.
   f. Select "Search for a suitable driver …", click Next.
   g. Check only "Specify a location", click Next.
   h. Click Browse, select D: (Or your CD ROM drive) and the folder FGB3000 V3.3, click Open, click Open.
   i. Click OK to install the driver.
   j. If prompted "Windows found a driver that is a closer match…" check mark the "Install one of the other drivers" and click Next. On the list select FGB3000 V3.3, click Next.
   k. Click Yes to continue the installation, click OK.
   l. Click Finish when prompted.
   m. Click Close to close the device screen.
   n. FGB3000 V3.3 will be listed under Sound, Video, and Game Controllers.
   o. Close Device Manager and all other windows.

Install .NET Framework

* Note: Microsoft .NET framework is required to install EAC v3.00 software. If upgrading from EAC v1.3 or above, .NET should have been installed with the previous installation, and does not need to be reinstalled. If upgrading from EAC v1.243 or below, .NET must be installed prior to installing EAC 3.x.

1. Install the Microsoft .NET Framework.
   a. Right click on Start (on the task bar) and select Explore.

b. Click on the CD ROM drive containing the EAC v3.00 CD
c. Double click on the folder "Microsoft .Net Framework v1.1"
d. Double click the 1033dotnetfx icon.
e. Click Yes to start the .NET installation process.
f. Select "I Agree" to the license agreement screen, click Install.

* Note: Installation will complete in a few minutes, time remaining timer is not correct.

g. Click OK to the "Installation of .NET framework 1.1 is complete" dialog box.

Installing the IrisAccess EAC v3.x software

1. Install the IrisAccess® EAC v3.x software.
   a. Follow the IrisAccess EAC v3.x Quick Installation Guide (Section 6) that is located on the software CD. Select the correct database type during the installation process. It is not necessary to change IP addresses.

Upgrading the EAC v1.x database to v3.x format

1. Converting the database.
   a. Open IrisDBAdmin.
   b. Click OK.
   c. Click OK on the backup warning.
   d. In IrisDBAdmin click on "Upgrade Database"
   e. Make sure that IrisServer is closed (no icon in task bar) and click Yes to upgrade now.
   f. File will now convert, click OK to the "Database Upgraded" dialog box when process completes.
   g. Click on Exit and Yes to close IrisDBAdmin.

2. Confirming a Proper Database Upgrade.
   a. Start IrisServer by double-clicking on the desktop icon.
   b. Open IrisServer from the System Tray and enter the administrator's ID and Password (same as the v1.x database)
   c. Click on Option, Set IrisManager. Confirm that the Name and IP Address are the same as before the upgrade.

* Note: If the fields are blank then the upgrade was not successful. Retry the upgrade again by placing a copy of the v1.x DB file (located in the "DB v1_x Backup" folder created earlier) in the "C:\Program Files\LG Electronics\IrisAccess\" directory with the name "IA3000SDB.mdb".

* Note: In the IrisServer window there may be an error "Please Check the Version (1.x) of program in ICU (~IP Address~)". This error indicates that the software on the ICU is not the same version of that on the Server. This error message will go away after performing the ICU Upgrade procedure.

Upgrading the ICU3000's

This procedure must be performed for each ICU3000 that is or will be connected to the EAC v3.x IrisAccess 3000 Server. If adding IrisAccess® 4000 series hardware to the system, follow the appropriate IrisAccess 4000 documentation. This following procedure should only be performed to the ICU3000.

* Note: If upgrading ICUs currently running 1.2 or below software, the configuration of the ICU will be set to the default values (except for IP address and Security ID [SID] values). You must record these values by hand or with screenshots of the configuration before upgrading to EAC 3.x.

* Note: During the ICU upgrade, all ICU processes will be stopped. All ROUs connected to the ICU will not be functional and no users will have access through the portals secured by the connected ROUs.

* Note: An Upgrade will upgrade the software on the ICU and allow for configuration changes to the ICU as well (except IP Address and Security IDs). If the IP Address and/or the Security IDs in the ICU need to be changed as well, complete the Upgrade process first then follow the procedure for changing the IP Address and Security IDs as described in the Software Installation manual.

1. Upgrade the ICU3000s.
   a. Turn on the ICU power, wait a few minutes (~3 minutes) for the unit to come online.
   b. Double Click on the IrisICUAdmin3000 icon on the desktop.
   c. Select Upgrade.
   d. Enter the IP Address and password (default is 'iris3000') of the ICU that is to be upgraded. Click Next.
   e. Click Yes to note that all processes of the ICU will be stopped during the upgrade.
   f. If prompted, click OK to note that the default password to the ICU is being used.
   g. Click Next.
   h. Click Start Installation.
   i. Click Ok to confirm that you are installing on ICU 3000 Hardware.
   j. Wait until "ICU3000 Installation Finished!" is displayed. Click OK.
   k. Click Next, Click Next.
   l. Click Next to get the current configuration of the ICU.
   m. Wait for the "Get Configurations from ICU3000 is Complete" message. Click OK.
   n. Click on "Configure…"
   o. Change the ICU configuration as desired; refer to the Software installation manual for more information.
   p. Click OK.
   q. If no changes were made to the configuration a channel, a dialog box will display for each channel. Click Yes to each dialog.
   r. Click Next.
   s. Click Send.
   t. The configuration will now be sent over the network, click OK when "Configuration of ICU3000 is completed" is displayed.
   u. Click Next.
   v. Click Finish.
   w. Click OK to the "Disconnected from the ICU3000 just now!" message.
   x. Click OK to the "ICU is rebooting" message. (ICU will reboot and will not be active again for about 3 minutes)

y.   Exit IrisICUAdmin.

z.   Test all ROU's that are connected to the ICU for proper operation.

Open IrisManager and confirm that the original settings and user database has been restored properly. Test all system functions.

Testing the Entire Upgrade

* Note: For all EAC Software, the default Username/ID is: administrator and the Password iris3000 (this is case sensitive)

* Important: If Windows security prompts to block/unblock, choose "Unblock".

1. Double click on the IrisServer icon on the desktop, a small icon near the Windows clock will appear in the task bar.
2. Double click on IrisManager icon to open, if prompted for an IP Address enter the configured address (127.0.0.1 in this example). If 127.0.0.1 is displayed – Click OK. Login to IrisManager to be sure that this application is operational. Enter Username and Password. Respond Yes or No to "Do you want to change password now?". Minimize IrisManager.
3. Double click on IrisMonitor icon to open, if prompted for an IP Address enter the configured address (127.0.0.1 in this example). IF 127.0.0.1 displayed – Click OK. Login to IrisMonitor to be sure that this application is operational. Enter Username and Password. Respond Yes or No to " Do you want to change password now?". Minimize IrisMonitor.

If using an IrisAccess® 3000 series iris camera for enrollment:
1. Double click on the IrisEnroll3000 icon to open. Click OK, Exit.
2. Double click on the IrisEnroll3000 icon to open again. If prompted for an IP Address, enter the configured address (127.0.0.1 in this example). If 127.0.0.1 is displayed – Click Yes. If a dialog requesting a Security ID displays, enter the SID set in IrisManager (in this example 1111111111111111). Enter Username and Password.
3. Respond Yes or No to "Do you want to change the password now?"
4. In the IrisEnroll3000 action status window, the message should read "EOU is normal"
5. If message is displayed for "COM" error, go to Option and select the Serial Port in which the EOU is connected.
6. Click on "Live" to test video, put an object (such as a hand) in front of the EOU mirror.
7. If you receive an error, check the video cable between EOU and FGB, Change the Video Port selection in Option, or check that the FGB driver is installed correctly.

If using an IrisAccess® 4000 series iris camera (iCAM) for enrollment:
1. Double click on the IrisEnroll4000 icon to open. Click OK, Exit.
2. Double Click on IrisEnroll4000 again. If prompted for an IP Address enter the configured address (127.0.0.1 in this example). If 127.0.0.1 is displayed – Click OK. If a dialog requesting a Security ID displays, enter the SID set in IrisManager (in this example 1111111111111111). Enter Username and Password.

* Note: The software will automatically detect the iCAM software version. If the iCAM is not at the latest software, the system will automatically upgrade the iCAM.

3. Respond Yes or No to "Do you want to change the password now?"
4. Login to IrisEnroll4000 application.
5. A dialog will prompt of the IP Address of the Enrollment iCAM the address and click Connect. Enter IP address OF iCAM – Example: 192.168.5.18
6. If "Notice" window pops up, Click Close.
7. In the IrisEnroll4000 action status window, the message should read "iCAM is normal". Exit Enrollment screen.

Technical Support

Additional information and Technical assistance is available on the LG Electronics U.S.A. - Iris Technology Division's support web site at **www.lgiris.com**, click on **Support & Service** then **Technical Support**.