

Information Technology Department

Government Of Sindh



IRIS Access

Configuration & Installation

Biometric Identification Electronic System

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Prepared By:

INFOTECH

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1. IrisAccess® 4000



Iris ID's IrisAccess® 4000 sets the standard for performance and versatility for iris recognition. Whether you are looking for a single biometric identification solution or a multi-factor solution that works with many leading cards, card readers and or pin input devices for verification, the IrisAccess platform will meet your needs.

Iris ID Systems has been the key developer and driver of the commercialization of iris recognition technology for over 10 years. IrisAccess®, now in its third generation with even more features and flexibility is the world's leading deployed iris recognition platform. Iris ID's biometric solutions enabling non-contact and highly accurate identification by the iris of the eye, deliver security, convenience, privacy and productivity to millions around the world.

The IrisAccess® 4000 solution is versatile and flexible allowing easy integration and expansion into a range of applications. An intuitive user interface, with visual and audible prompts enables users to be enrolled and identified more easily and more quickly at an affordable price. A powered, auto-tilt capability further increases both speed and convenience by adjusting for height with a simple touch or if a card is presented when multi-factor authentication is chosen.

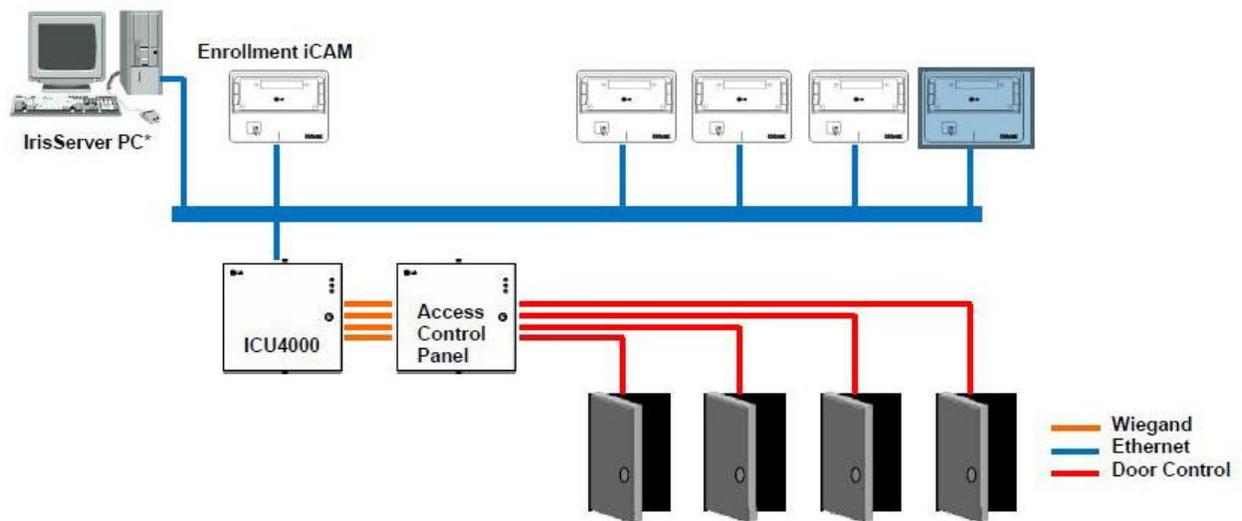
Training 3

The security of the IrisAccess® platform is also superior since no biometric templates are stored on the iCAMs. Experts also concede that the countermeasures built into the IrisAccess® suite set the standard for the industry. A new iData software suite for access control and a tool kit for building identity dependent applications support several different encryption alternatives is FIPS201 compliant and include PKI support.

Every iris pattern is unique and stable for life barring direct trauma. Since there are more readily measurable characteristics in the iris, iris recognition is the most accurate, fastest, and scalable option for small and large scale biometric deployments. Finger, hand, voice, vein and facial characteristics often vary and change over time.

2. The IrisAccess™ 4000 EAC System

- IP (Ethernet) based system
- Consists of Computers, Iris Cameras, and Control Units.
- Can operate in conjunction with 3rd party access control systems.



3. Intuitive User Interface



- iCAM activates when user approaches or when card is presented.
- Picture capture range is 10-14 inches (26-36cm) away.
- Self or auto/set height adjustment.
- Placing dot over the bridge of nose easily helps alignment.
- Orange (dot) turns to green (dot) when user is at correct distance.
- Visual indication is amplified with friendly audio prompts.
- Right and left irides are acquired.
- A face picture can also be captured.

4. iCAM4000 (IrisCamera)

Dimensions (W x H x D)	8.6" x 6.5" x 3.2" (218mm x 164mm x 80mm)
Weight	4.4lbs (2kg)
Power Input	12VDC, 2.5A
Power Consumption	30W
Status LED	Power (Blue), Accept (Green), Reject (Red)
Range LED	Operating Range (Green), Out-of-Range (Orange)
Voice Indication	Flexible Voice Message (English: standard, Other Language: downloading available)
Iris Capture Range	10.2" ~ 14.2" (26cm ~ 36cm)
Operating Temperature	32°F ~ 104°F (0°C ~ 40°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Humidity	0% to 95% Non-condensing
Rotation Angle	+35°/-25°

Interface

- Ethernet
- Proximity Card Reader (Wiegand In)
- SmartCard Reader (Optional)
- Wiegand Out
- Dry Contact Relay

Equipment supplied with iCAM4000

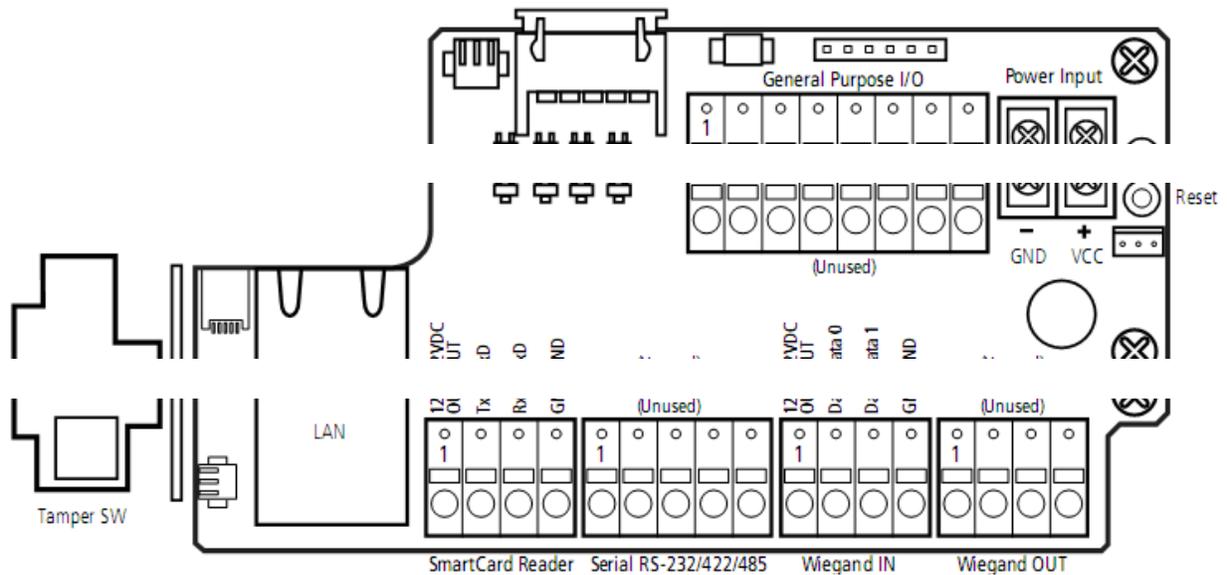
- AC Power Cord
- AC Power Adapter
- Straight Ethernet Cable

IrisServer PC Requirement

Operating System	Windows® 7/Vista/XP (32-bit only)
Processor	Pentium® 4 1.6GHz or higher
Memory	512MB or higher (minimum 2GB for Windows 7 or Vista)
Hard Disk	10GB or higher
Ethernet	10/100Mbps Full Duplex
Other	CD-ROM

5. Inside iCAM 4000

- Power and Network are required connections
- Wiegand In and Smartcard are optional
- Reset button to reload default IP address and iCAMlogin
- Tamper switch on unit rear and front panel



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Installation and Dimension

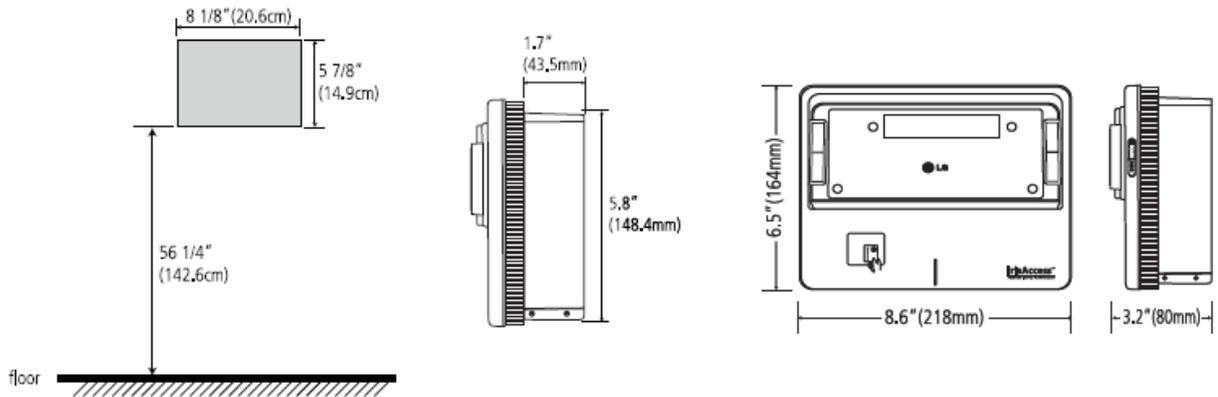


Illustration of mounting prep depth requirements with flush mount to wall.

Recess mount kit available for iCAM4000 - Order iCAM-RM Mount kit.

6. Use of IrisAccess



Building Security



Transportation Security



Laboratory Security



Infrastructure Security



Public Safety & Justice



Time & Attendance



Border Control



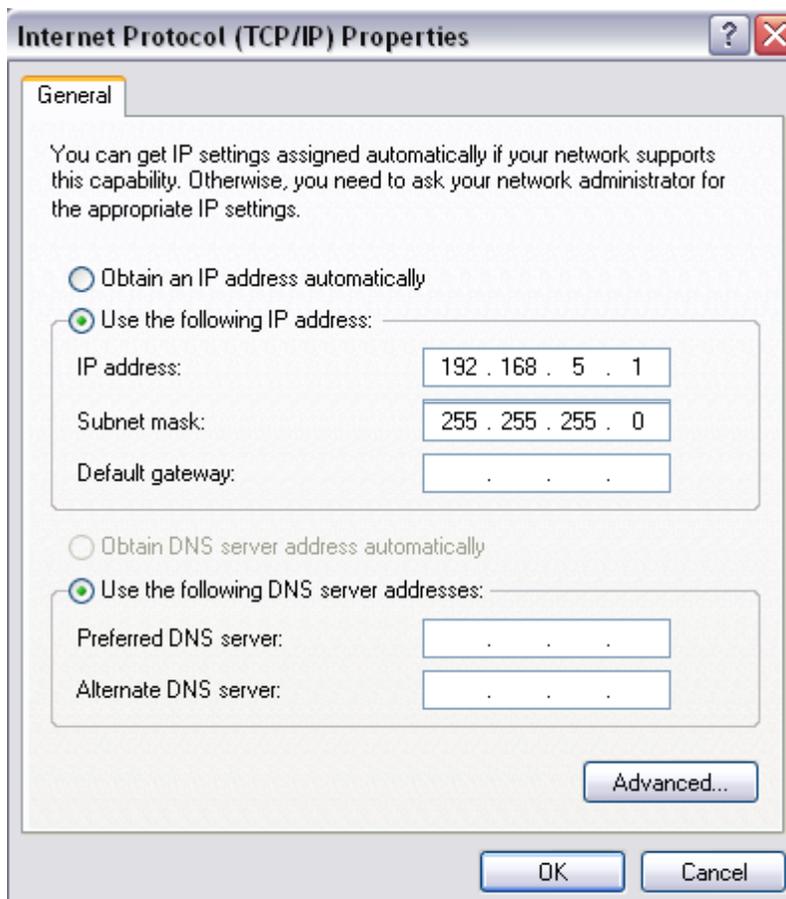
Data Center Security

System Configuration and Setup

7. Prepare the IrisServer PC

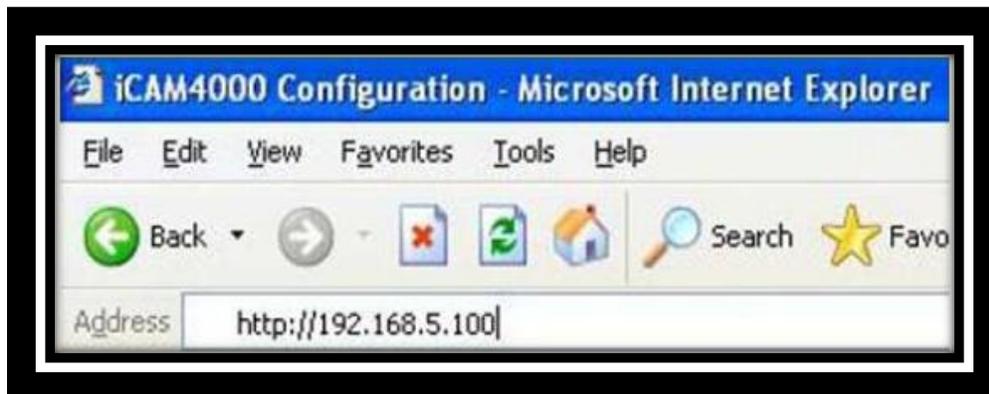
In order to configure the iCAM iris cameras, the IrisServer computer must be given the static IP Address of 192.168.5.1

If a different static IP Address is required for the IrisServer computer, this can be changed after all of the iCAM's have been configured.



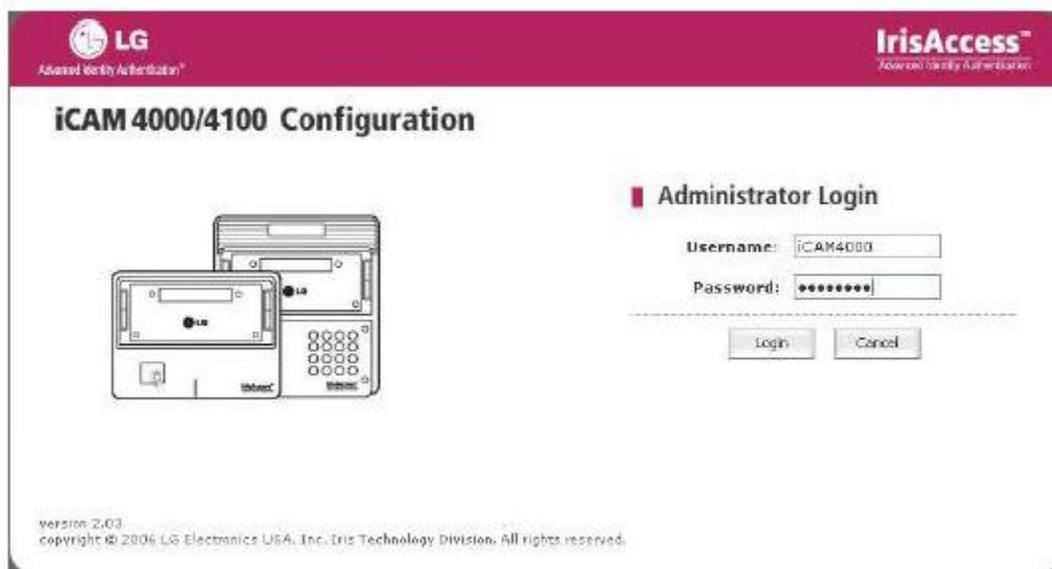
Configuring the iCAM IP Address

With the iCAM connected and powered on, enter in the URL for the iCAM in the computer's web browser address bar. <http://192.168.5.100>



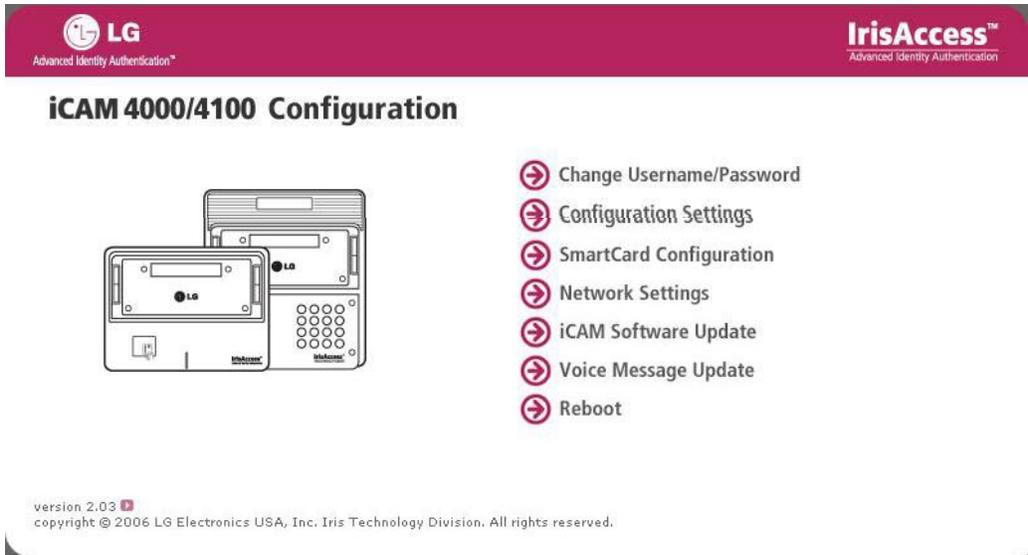
At the log in screen enter the

Username: iCAM4000 and the password: iris4000. Click Login



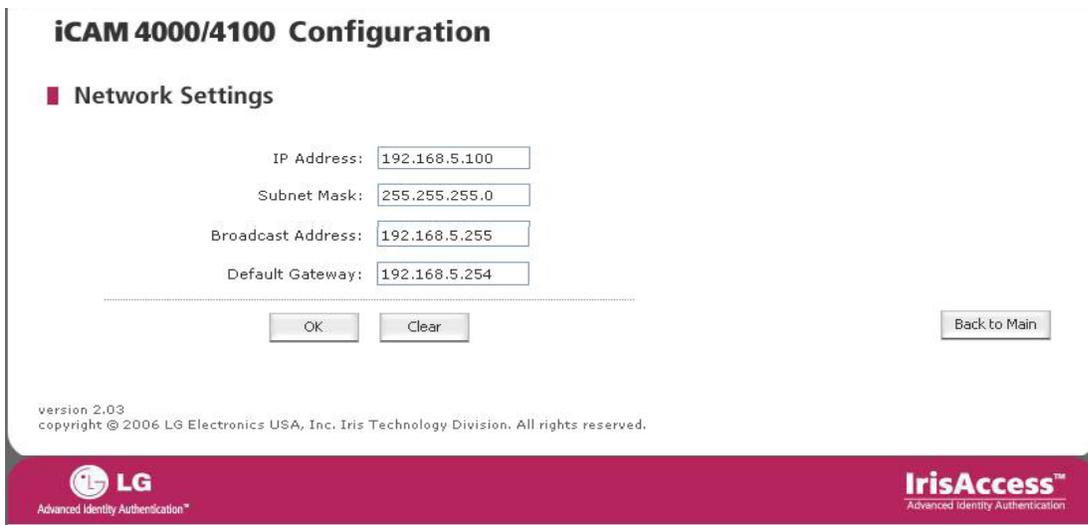
Steps for Changing iCAM IP Address

At the menu select “Network Settings”



The image shows the main configuration menu for the iCAM 4000/4100. At the top, there is a red header bar with the LG logo and 'Advanced Identity Authentication' on the left, and the 'IrisAccess' logo with 'Advanced Identity Authentication' on the right. Below the header, the title 'iCAM 4000/4100 Configuration' is displayed. To the left of the menu is an illustration of the iCAM device. To the right is a list of menu items, each preceded by a red arrow icon: 'Change Username/Password', 'Configuration Settings', 'SmartCard Configuration', 'Network Settings', 'iCAM Software Update', 'Voice Message Update', and 'Reboot'. At the bottom left, there is a small text block: 'version 2.03' and 'copyright © 2006 LG Electronics USA, Inc. Iris Technology Division. All rights reserved.'

Enter the desired IP information then click OK to save and change the address values.



The image shows the 'Network Settings' screen within the iCAM 4000/4100 configuration interface. The title 'iCAM 4000/4100 Configuration' is at the top, followed by a sub-header 'Network Settings' with a red square icon. Below this, there are four input fields for network configuration: 'IP Address' (192.168.5.100), 'Subnet Mask' (255.255.255.0), 'Broadcast Address' (192.168.5.255), and 'Default Gateway' (192.168.5.254). At the bottom of the form area, there are three buttons: 'OK', 'Clear', and 'Back to Main'. At the bottom left, there is a small text block: 'version 2.03' and 'copyright © 2006 LG Electronics USA, Inc. Iris Technology Division. All rights reserved.' The red header bar from the previous screen is visible at the bottom of this image.

Steps for Changing iCAM IP Address (cont'd)

The IP Address is changed within seconds.

After each iCAM configuration the arp cache on the computer must be deleted.

Click on Start (in the Windows task bar)

Select Run

Type cmd

Press Enter

At the command prompt type: arp -d

Close the command prompt window.

Connect the next iCAM to be configured on the network and perform the configuration to the next iCAM.

To avoid confusion you may want to remove the configured iCAMs until all are completed.

8. Preparing for Installation

Software Disk Insert – Starting point for all installations. Identifies the documentation needed for installation and other documents to refer to as needed.

Hardware Guides – Steps for hardware installation and unit setup integration with other hardware.

Software Installation Guide – Step by step procedure for installation of the EAC software.

Other documents such as the IrisAccess® 4000 and 3000 Hardware Manuals, User's Manual, Upgrade docs etc. Are available on the software CD.

Technical support web site knowledgebase is available 24/7

9. Installing the EAC Software

If the IP Address of the IrisServer computer is to be different from 192.168.5.1 please change the address at this time.

Install the IrisAccess® EAC Software on the IrisServer computer.

Follow the IrisAccess® EAC Software Installation Guide for software installation and configuration.— CD Key is printed on the CD case label

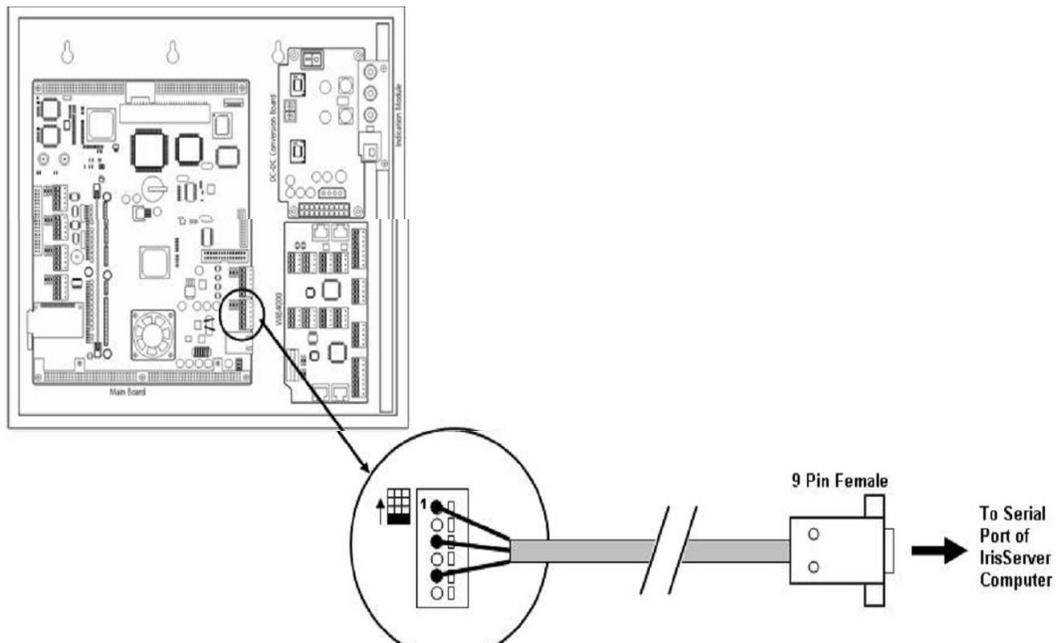
If required the EAC software can be installed on additional computers to serve as additional IrisEnroll, IrisManager, and IrisMonitor stations

Configuring the ICU

Configuration of the ICU requires a serial connection between the IrisServer computer and the ICU.

The ICU Serial Configuration Cable is included with each ICU. This has a 9 pin female serial connector on one end and a 6 pin Wieland connector on the other.

The serial cable is only required when programming the IP Address and the Security ID's on the ICU.



Configuring the ICU (cont'd)

The ICU is configured using the IrisICUAdmin utility.

When configuring the ICU with iCAMs use the IrisICUAdmin4000 program only.

Connect the ICU, but do not power on the unit.

Double click on the IrisICUAdmin4000 icon. Select “New Installation” from the menu.



Enter the Server IP Address (the address entered here will be the only computer which will be allowed to communicate with the ICU) This must be the computer which will have the IrisServer program running.

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ICU4000 New Installation - Config Network IP/Security ID

 Configure Network IP Address

Setting for IrisServer

Server IP Address

Settings for ICU4000

ICU IP Address ex) 160.160.97.42

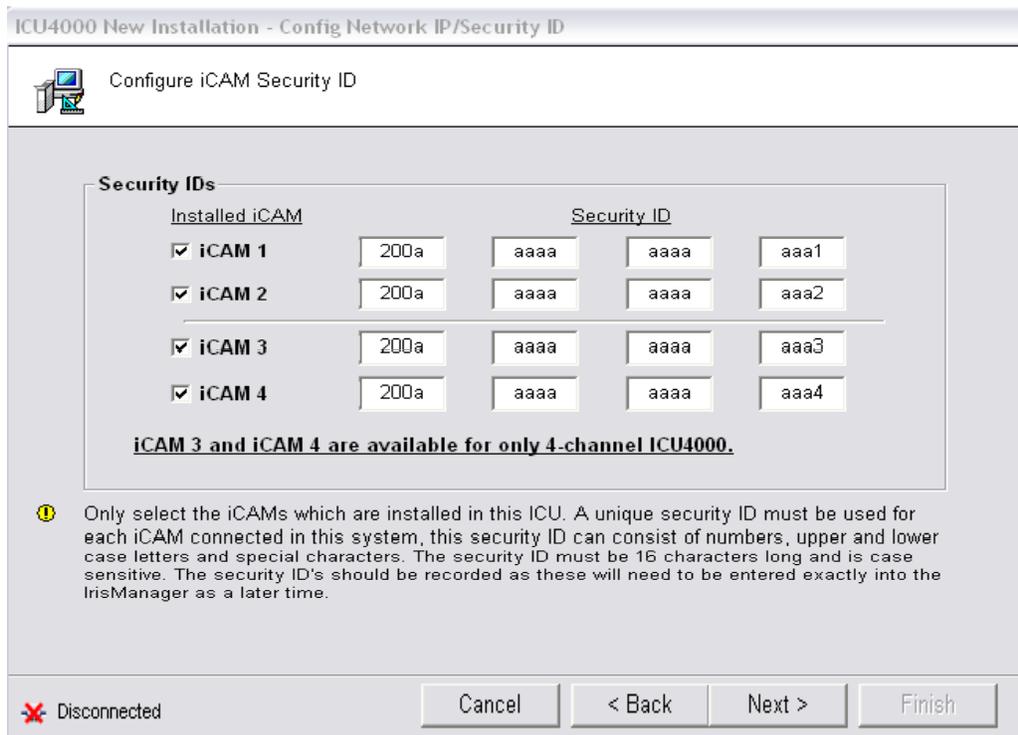
Gateway Address ex) 160.160.97.254

Subnet Mask ex) 255.255.255.0

 Disconnected

Enter the SIDs for all four channels.

Be sure to record what has been entered for SIDs. They will need to be entered in IrisManager later and must match exactly.



Select the COM port of the IrisServer to which the Configuration cable is connected.

Click Start, then Start and turn on the ICU.

During boot-up the ICU will look for the serial connection and will automatically start to download the configuration from the computer.

Connection and transfer should be complete within 80 seconds.

After the transfer is complete the serial cable may be removed. The rest of the ICU configuration will use the network.

Before proceeding, connect the DCU or WIB to CH1 of the ICU main board. If

Training 3

using the DCU be sure that the DIP switches are in the down position. If using a WIB the DIP switches may be left in the up position.

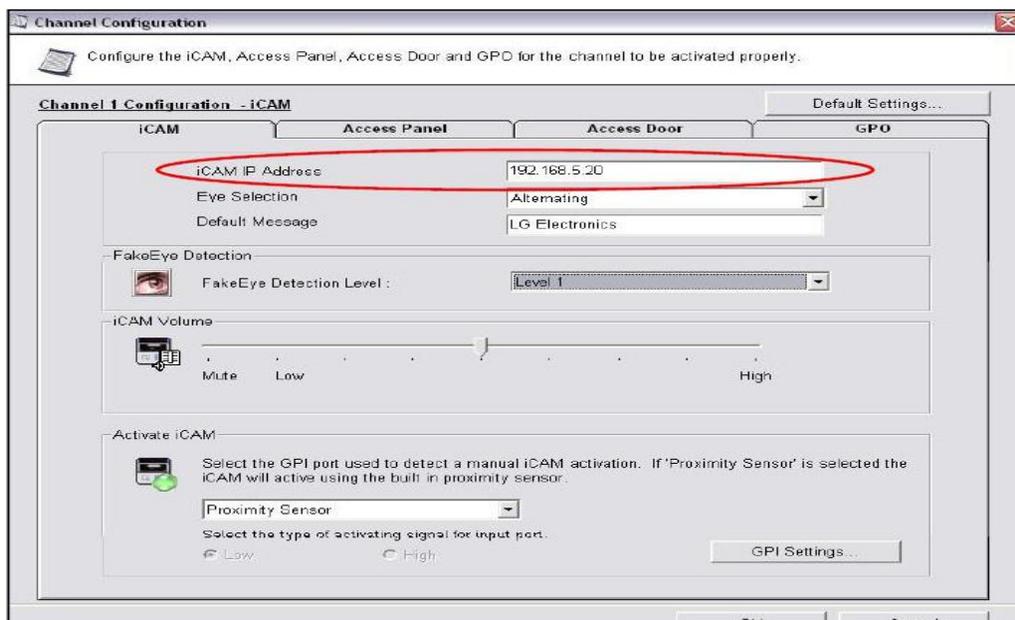
Continue the setup by entering the password for the ICU. The default password is iris4000.

The ICU will connect over the network. Click Next to download the software into the ICU.

After the configuration files have been downloaded from the ICU click on configuration to modify the setting

The IP Address of the iCAM is entered into each channel of the ICU.

In this case channel 1 of this ICU will control the iCAM with the IP Address of 192.168.5.20



Repeat the IP Address entry for each channel of the ICU. If the channel is not

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being used you may disable it by un-checking the Channel check mark.

Click next for the remaining configuration, and click Yes to reboot the ICU.

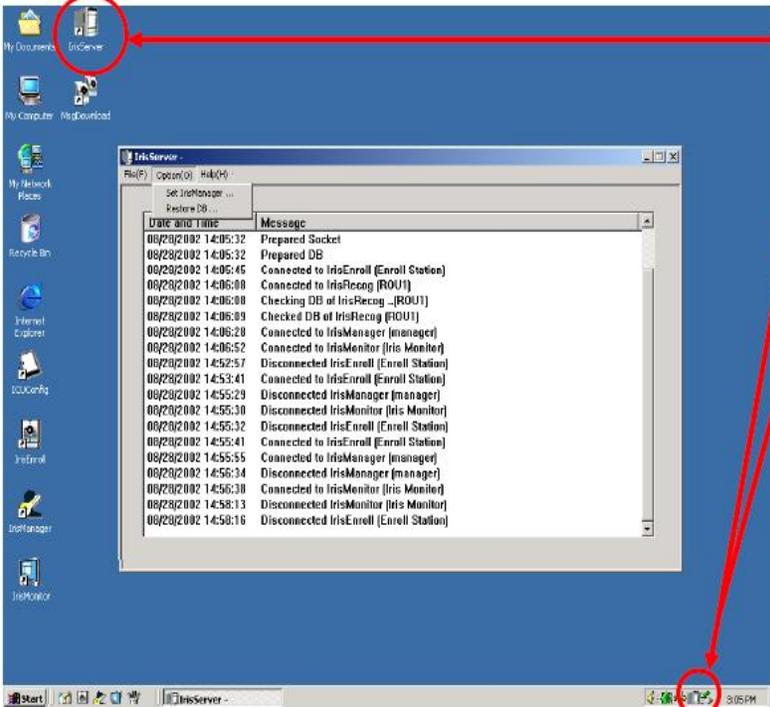
The remaining ICU's maybe configured at this time by following the same procedure.

Each ICU must have a unique IP Address and SIDs.

Do not connect more than one un-configured ICU to the network at the same time. This will cause an IP Address conflict on the network.

10.IrisServer

Starting IrisServer



1. Double Click on the IrisServer Icon

2. IrisServer will open, then minimize to the task bar

3. Double click on the IrisServer icon to open.

4. Login with the information below when prompted.

ID: administrator
Password: iris3000

Date and Time	Message
08/28/2002 14:05:32	Prepared Socket
08/28/2002 14:05:32	Prepared DB
08/28/2002 14:05:45	Connected to IrisEnroll (Enroll Station)
08/28/2002 14:05:50	Connected to IrisRecog (ROU1)
08/28/2002 14:05:50	Checking DB at IrisRecog -[ROU1]
08/28/2002 14:05:50	Checked DB at IrisRecog (ROU1)
08/28/2002 14:05:20	Connected to IrisManager (manager)
08/28/2002 14:05:52	Connected to IrisMonitor (Iris Monitor)
08/28/2002 14:52:57	Disconnected IrisEnroll (Enroll Station)
08/28/2002 14:53:41	Connected to IrisEnroll (Enroll Station)
08/28/2002 14:55:29	Disconnected IrisManager (manager)
08/28/2002 14:55:30	Disconnected IrisMonitor (Iris Monitor)
08/28/2002 14:55:32	Disconnected IrisEnroll (Enroll Station)
08/28/2002 14:55:41	Connected to IrisEnroll (Enroll Station)
08/28/2002 14:55:55	Connected to IrisManager (manager)
08/28/2002 14:55:34	Disconnected IrisManager (manager)
08/28/2002 14:55:30	Connected to IrisMonitor (Iris Monitor)
08/28/2002 14:58:13	Disconnected IrisMonitor (Iris Monitor)
08/28/2002 14:58:16	Disconnected IrisEnroll (Enroll Station)

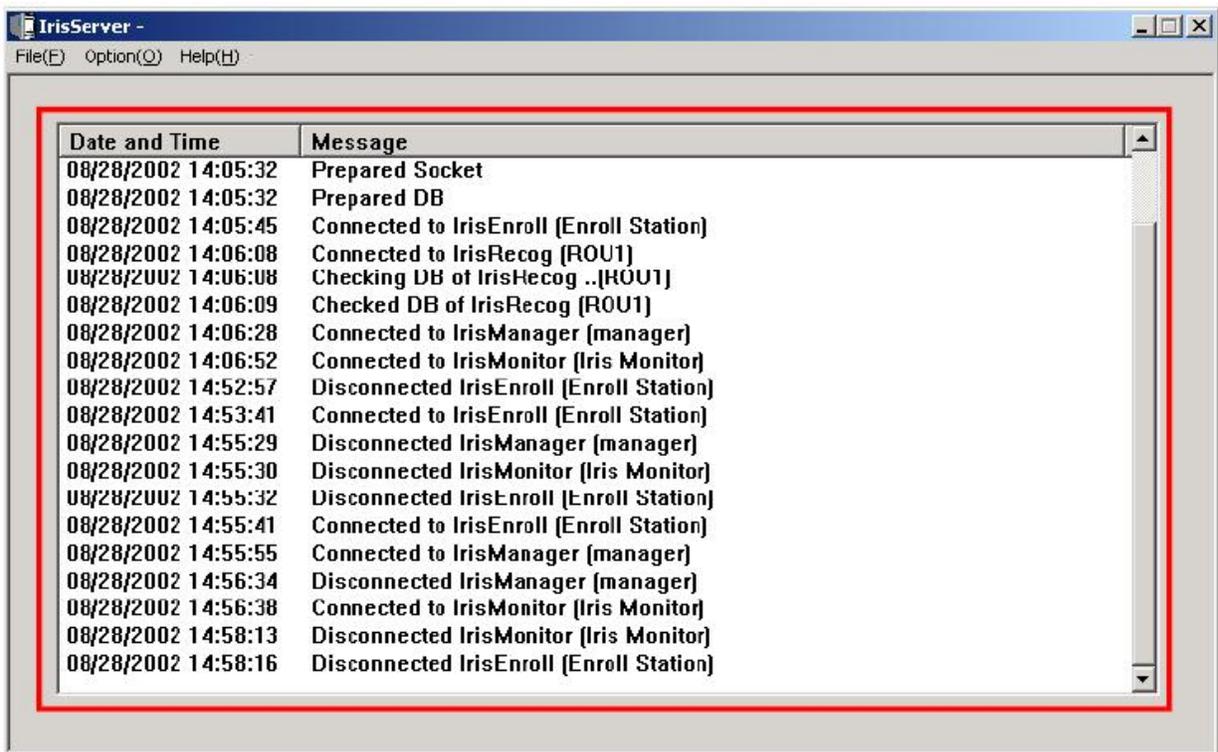
IrisServer Main Window

IrisServer should always be left running in the background (minimized).

Only one IrisServer per network.

Displays real-time database and remote unit connection status.

Helpful for troubleshooting iCAM / ICU connection problems



11.IrisManager

Configuring IrisManager

This part of the setup is also covered in the EAC Software QuickInstallation Guide.

Open the IrisManager program by double clicking the desktop icon.

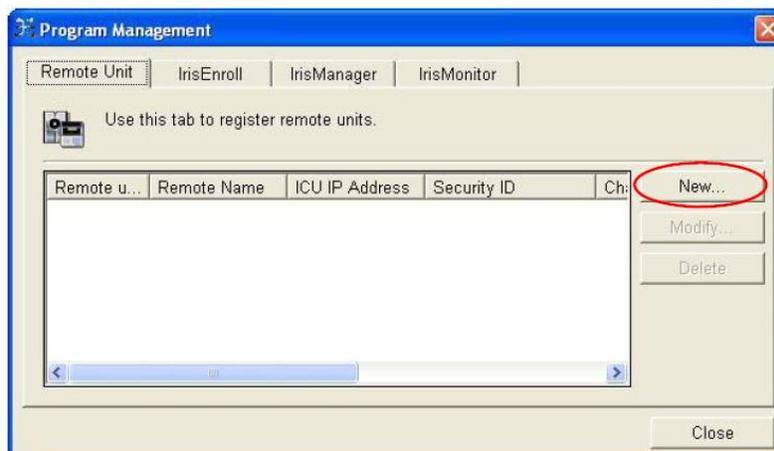
The system configuration is performed in IrisManager / Creation menu.

A default configuration is created for IrisEnroll, IrisManager, and IrisMonitor. The system is configured to be able to run all programs from the IrisServer computer using the loopback IP address (127.0.0.1)

Since we are using only the IrisServer computer for IrisEnroll, IrisManager, and IrisMonitor we do not need to modify the default settings. If we did want to change settings we could click on the New... button to add computers or Modify... to change existing settings.

When the applications are started for the first time, the loopback IP address (127.0.0.1) may need to be entered.

IrisEnroll4000 may require the SID to be entered:1111111111111111.



- Since we will have “Remote Units” (iCAMs protecting a door) we need to configure these in IrisManager. Click on the Remote Unit tab then the “New” button to add the configuration of the ICUs and their channels into IrisManager.

The screenshot shows a 'New Remote Unit' dialog box with the following fields and values:

Field	Value
Remote Unit ID	
Name	Door1 iCAM
ICU IP Address	192.168.5.200
Security ID	200aaaaaaaaaaaa1
Description	iCAM IP 192.168.5.20
Channel ID	1
Use Type	Identification
Model	iCAM4000

Name: Short descriptive name for the iCAM

ICU IP Address: The IP Address of the ICU which is controlling the iCAM.

Security ID: The Unique SID entered for the ICU channel during ICU configuration.

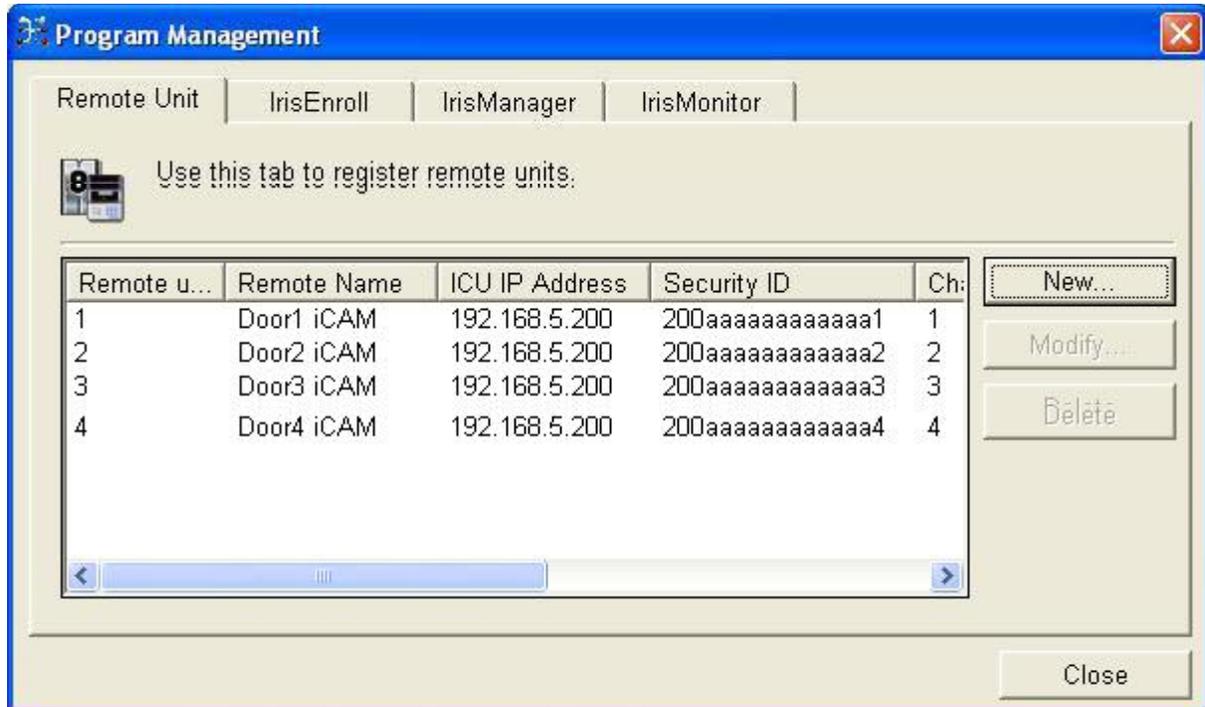
Description: Optional field for other information. Putting the iCAM IP Address here will assist in troubleshooting.

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Channel ID: Channel of ICU which is controlling the iCAM.

Use Type: no effect

Model: Selects the icon type shown for this remote unit.



Complete the entries for each ICU and ICU channel that will make up the system.

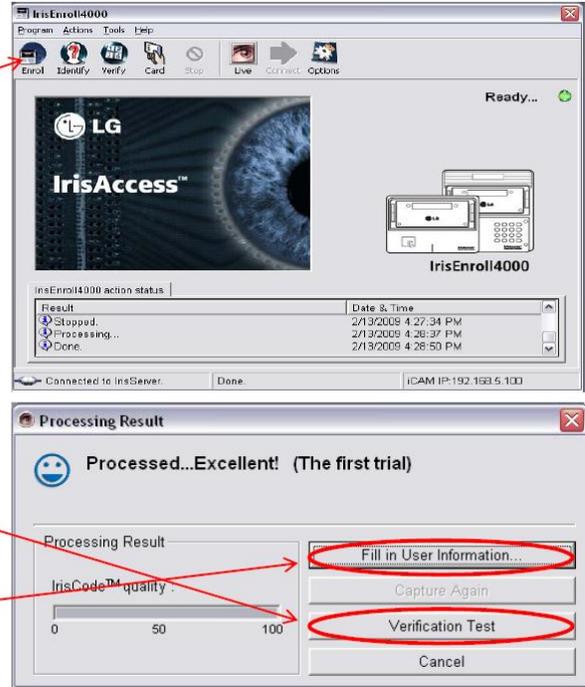
12.IrisEnroll4000



- Enrollment
- Identification
- Verification
- Card
- Live

- Options

- When enrolling a user you will select Enroll from the main screen.
- The user will be prompted to present their iris to the iCAM.
- Upon successful iris capture you will receive a window indicating the quality of the image.
- Verification of the user is then required.
- Once the user is verified you can continue by filling in user information.



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- Enter the **User ID** and then click the **Get user information** button.
- Optional entries:
 - First name, MI and Last name
 - Card reader ID and Card Number
 - Gender (Male/Female)
 - Photo (allows an image to be associated with the user being enrolled)
- Click **Next** to enter additional user information. (department, position, phone, email, address, etc.)

User Information

Type user ID and then click 'Get user information' button. If user information is not found, click OK, to enable user information fields. If the user information already exists in the server DB, the information will be displayed.

* User ID: test Get user information

Basic information of the user - All fields marked with an asterisk (*) must be filled.

Name
First Name: Test
MI:
Last Name: Test

Card
Prox card
None
Smart Card
Prox card
* Card Number:
Get From Card

Photo
Capture Image
Select Photo...
Delete photo

Gender
 Female
 Male

Eye
 Left Right
Use warning eye:
 Left Right

Click the 'Next' button to continue.

< Back Next > Cancel

- Enter the **User ID** and then click the **Get user information** button.
- Optional entries:
 - First name, MI and Last name
 - Card reader ID and Card Number
 - Gender (Male/Female)
 - Photo (allows an image to be associated with the user being enrolled)
- Click **Next** to enter additional user information. (department, position, phone, email, address, etc.)

User Information

Type user ID and then click 'Get user information' button. If user information is not found, click OK, to enable user information fields. If the user information already exists in the server DB, the information will be displayed.

* User ID: test Get user information

Basic information of the user - All fields marked with an asterisk (*) must be filled.

Name
First Name: Test
MI:
Last Name: Test

Card
Prox card
None
Smart Card
Prox card
* Card Number:
Get From Card

Photo
Capture Image
Select Photo...
Delete photo

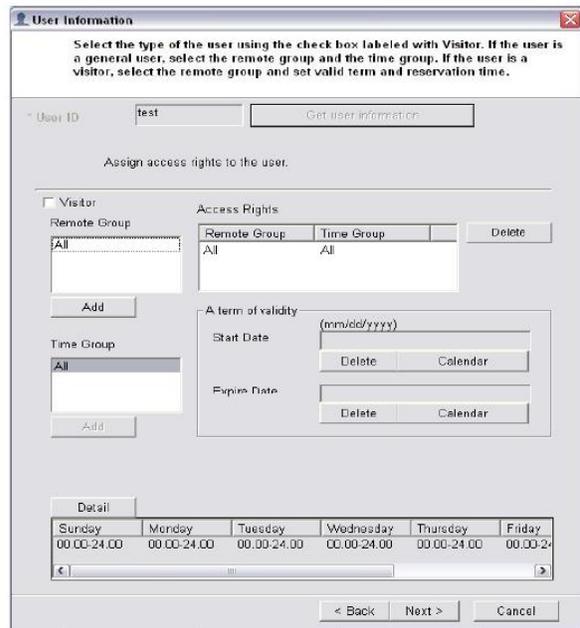
Gender
 Female
 Male

Eye
 Left Right
Use warning eye:
 Left Right

Click the 'Next' button to continue.

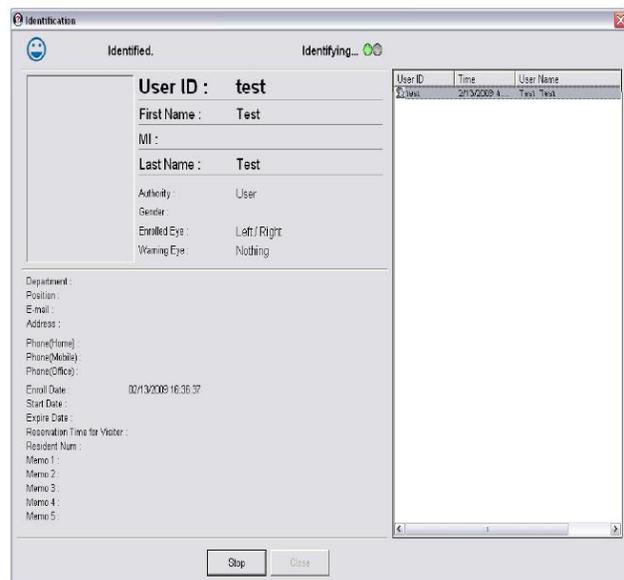
< Back Next > Cancel

- Users should be assigned a remote group and time group.
- Visitors (users with temporary access rights) should be assigned to a remote group with set terms and reservation times. Select the Calendar button to select dates the user will be granted access.



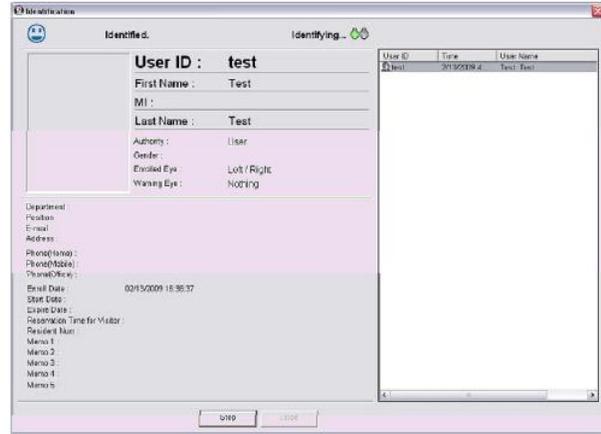
13. Identifying a User

- Select the **Identify** icon from the tool bar on the main screen.
- Click the start button and have the user present their iris to the iCAM. (the process of identifying will continue until the operator hits the stop button)



Verifying a User

- Select verify from the tool bar on the main screen.
- Enter the User ID and click Verify to begin the Iris image capture process.



Once the Iris image is captured the results will display in a verification window.

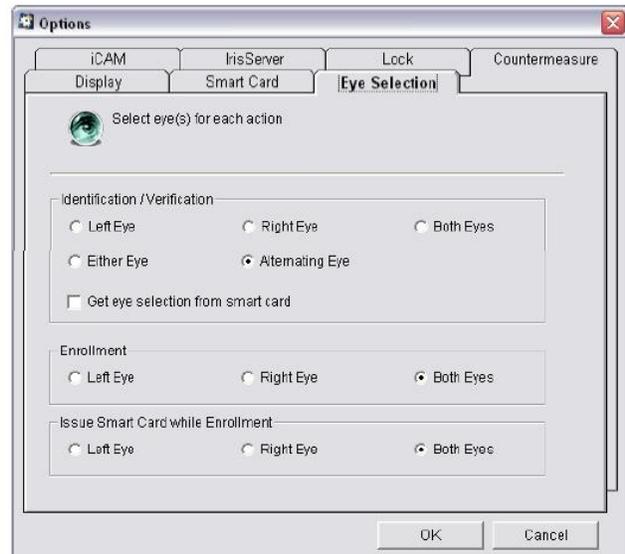
IrisEnroll4000 Options

- This screen provides the function of changing iCAM settings such as:
 - Sound Volume
 - VFD Message
 - Using white LED's during image capture.

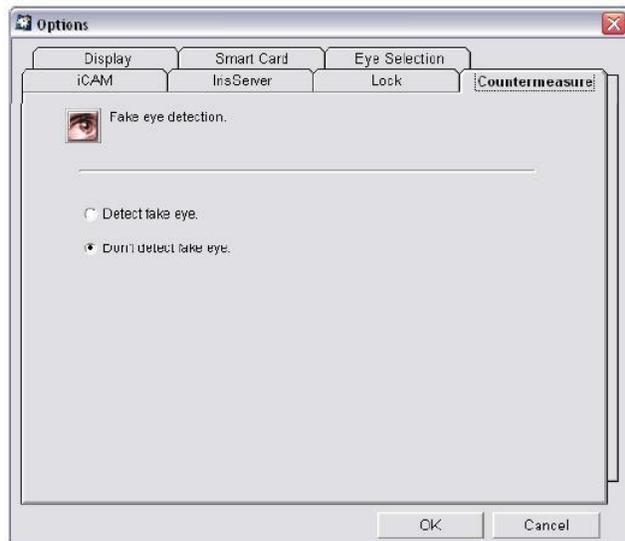


IrisEnroll4000 Options (cont'd)

- In this tab a user can set which eye should be considered when identifying and verifying, Left, Right, Both or Either. The user can also set which eye should be enrolled Left Right or both.



- When selecting the “Detect fake eye.” option, fake eyes will be detected when a user tries to enroll, identify or verify.
- When selecting “Don’t detect fake eye” no countermeasures will be considered when a user tries to enroll, identify or verify.



Testing the System

- At this point the IrisServer and ICUs should be able to communicate. Open IrisServer (double click on icon near taskbar clock), and view the messages in IrisServer for errors.
- Open the IrisEnroll4000 application, when prompted for an IP Address, enter the IP Address for the iCAM which will be used for enrollment.
- Perform a self enrollment, to test IrisEnroll and iCAM operation. Set permissions to All time, All remotes.
- Perform a recognition on an iCAM controlled by the ICU.
- If a DCU is connected listen for the relay click when a recognition is performed.

14.IrisMonitor

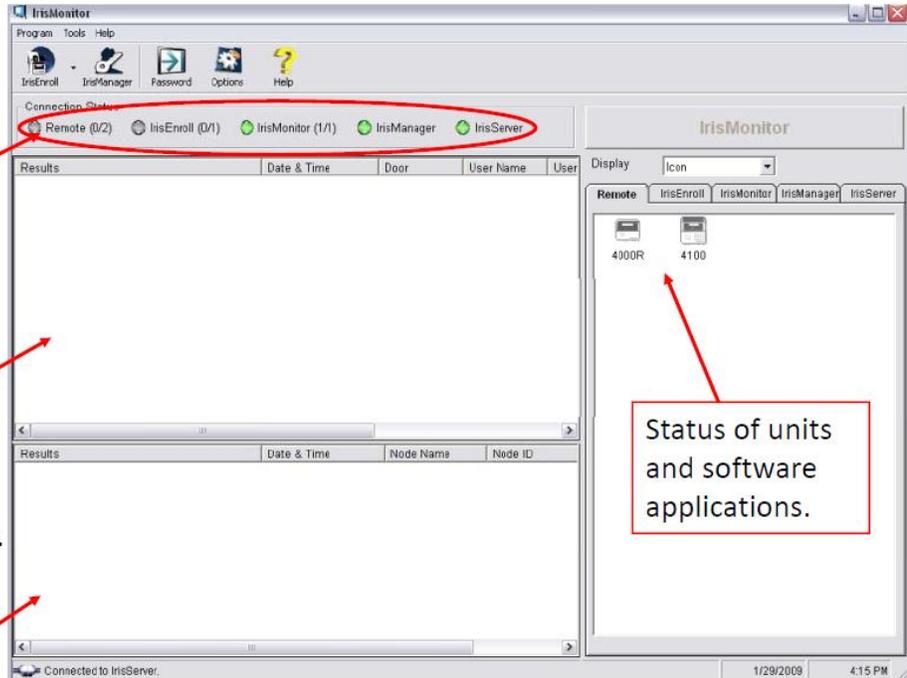
IrisMonitor Screen

The status of units and software applications.

Example: Remote(0/2) means that 2 Remote units are configured and neither is connected to the IrisServer.

User Activity monitor.
Provides real time status of user activity and warnings.

System Activity monitor.
Provides real time status of system activity and warnings.



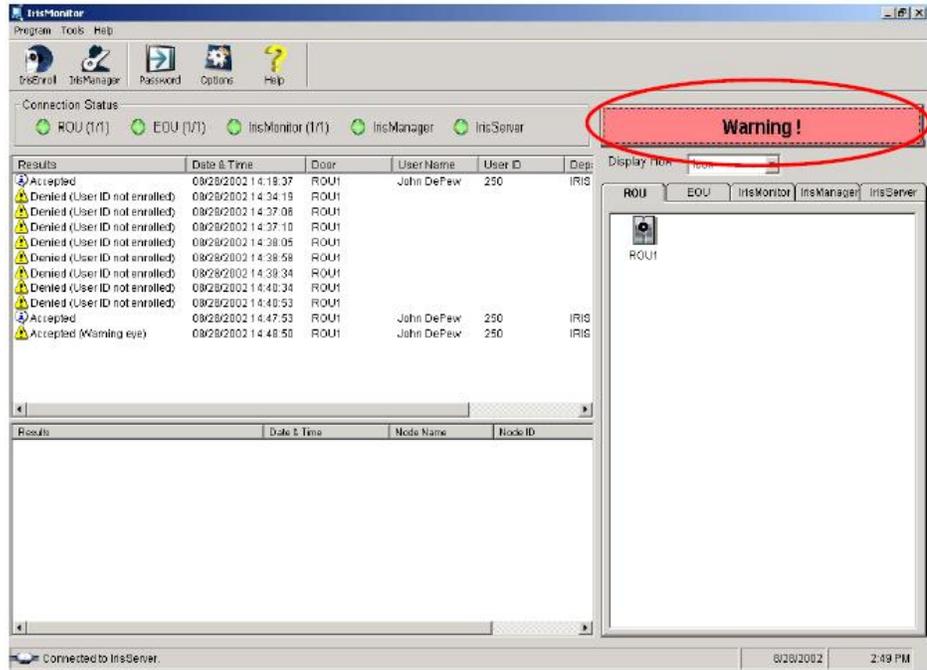
Status of units and software applications.

IrisMonitor Warning

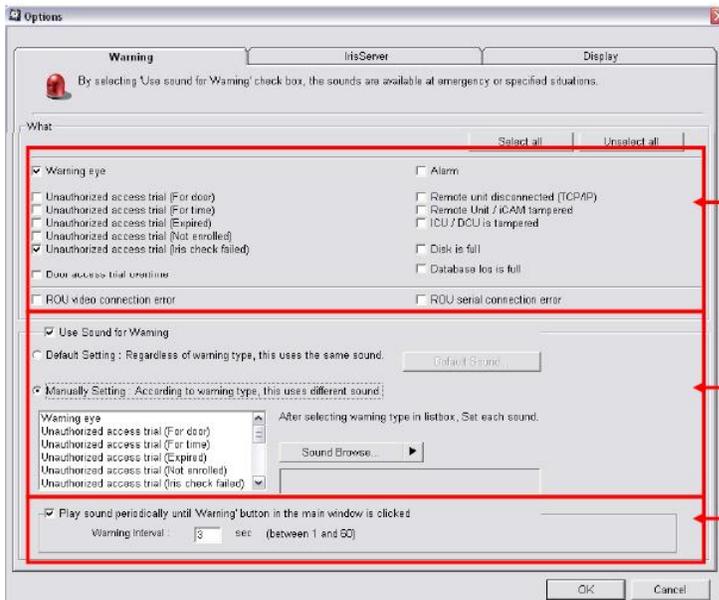
IrisMonitor provides visual and audible alerts for user and system conditions.

The Warning button will flash Red on the IrisMonitor main screen and provide audible alarm using the computer sound output.

Alert conditions are selectable in the IrisMonitor – Options screen.



IrisMonitor Options



Select which events will trigger an alert.

Sound file to play for each different condition. Allows to browse and test the sound file.

Duration of the Sound file played and whether it will be continuous.

IrisManager

IrisManager



To start IrisManager, Double click on the IrisManager icon on the desktop. Enter ID: administrator, Password: iris3000

The screenshot shows the IrisManager application window. On the left, a tree view displays the system hierarchy. The main area shows a table of enrolled users. At the bottom, a log displays system activity. Red boxes and arrows highlight these key features:

- Device, Users, Groups Tree:** Points to the left-hand navigation pane.
- Enrolled User List Area:** Points to the central table displaying user details.
- Real time System Activity:** Points to the bottom log window.

User ID	Card ID	Name	Department	Position	Phone(Office)	Gender	Auth
0185		Daria G Dastine				Male	User
4733		Sohail M. Haque				Female	User
4741		Mike Vegran				Male	User

Date and Time	Operation	Source ID	Source Name	Node ID (Us	Node Name (User ...

User Icons



(Orange): Operator



(Orange): Unauthorized Operator because iris is not enrolled.



(Orange): Unauthorized Operator because Remote or Time Group is not assigned to this user.



(Black): General User



(Black): Unauthorized general user because iris is not enrolled.



(Black): Unauthorized general user because Remote or Time Group is not assigned to this user.



(Green): Visitor



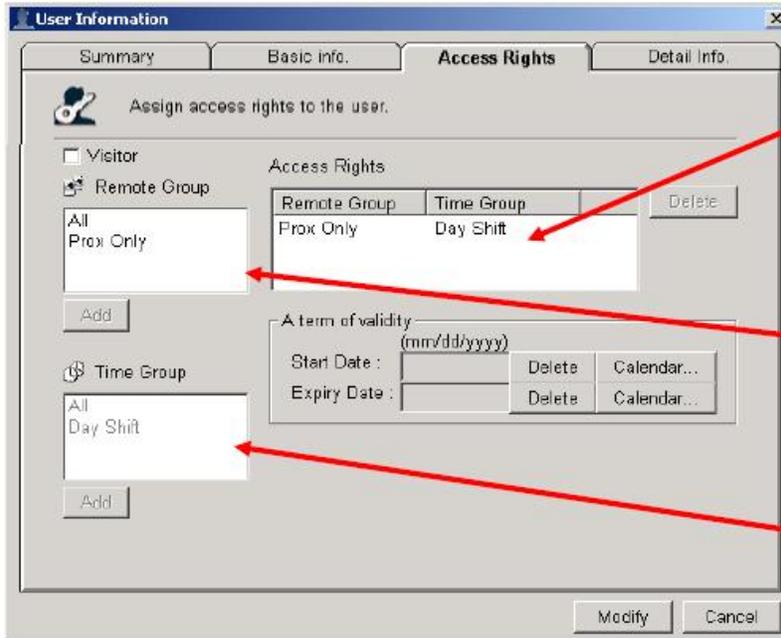
(Green): Unauthorized visitor because iris is not enrolled



(Green): Unauthorized visitor because remote group or reservation time is not assigned to this user.

* Note: Starting in EAC v3.0 a Blue user icon is available. This blue icon indicates that the users term of validity is expired.

Setting Users Access Rights



The selected Remote and Time group will be listed here. You can assign multiple groups to one user.

Select the Remote Group the user will have permission too. Click Add

Select the Time Group the user will have permission too. Click Add

The term of validity can also be set so that the users permission will automatically expire.

Setting Visitor Access

Select Visitor to set user active on a temporary basis.

The screenshot shows the 'User Information' dialog box with the 'Access Rights' tab selected. The 'Visitor' checkbox is checked. The 'Access Rights' table has one entry: 'Prox Only'. The 'A term of validity' section shows 'Start Date : 09/05/2002' and 'Expiry Date : 09/05/2002'. The 'Reservation time for visitor' section shows a time range of 14:00 to 16:00.

Access Rights Assigned

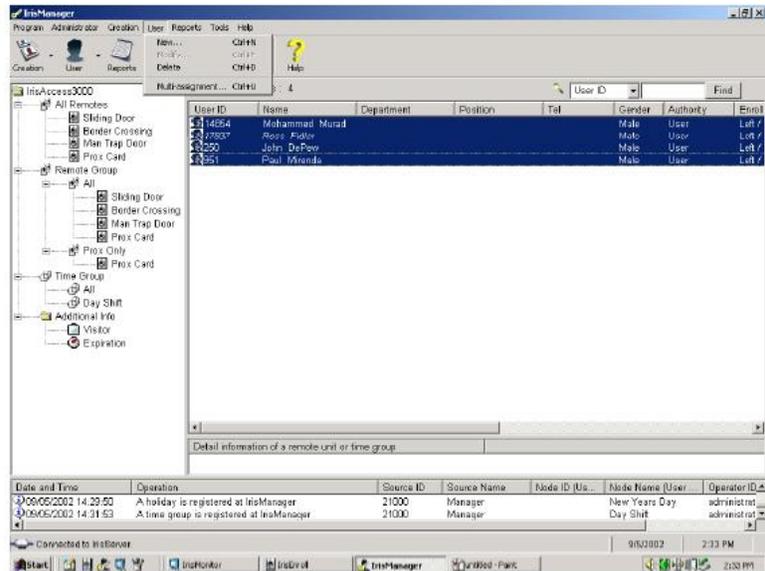
Validity Settings

Start and Expire Dates

Start and Expire Times

Users Multi-Assignment

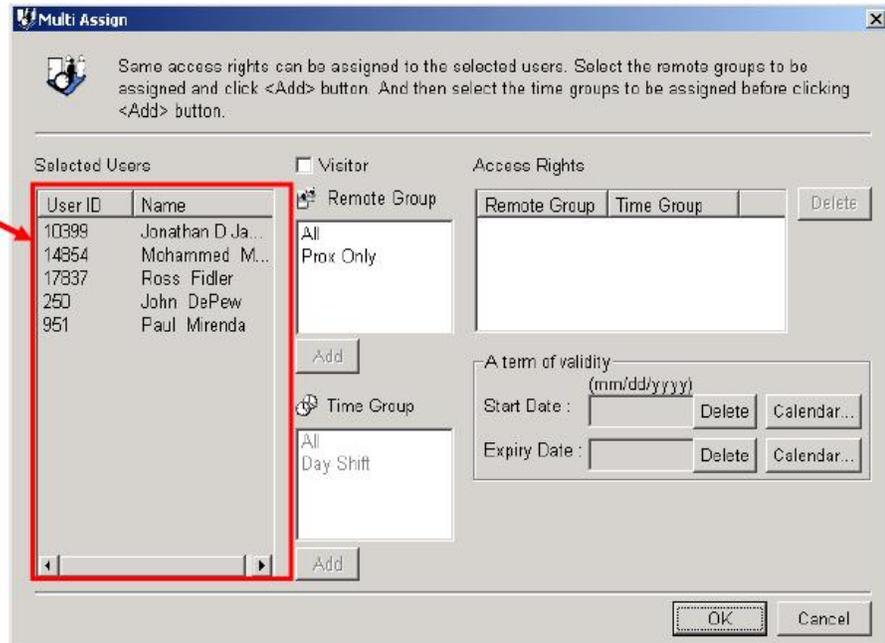
- Changes to multiple user accounts can be made at one time.
- Multiple users in the list can be selected by selecting the top user then hold shift key and click on bottom user.
- Multiple users can be individually selected by holding down the CTRL key while selecting
- While the users are selected click User – Multi-assign on menu bar.



Edit Multi-Assignment

- In Multi-assign mode you can change access rights to several users at one time.

The list of users that have been selected.



Administrators and Operators



From menu bar select Administrator then click operators.

By default there is an administrator option called “administrator” (This is the account used to log into the IrisAccess applications).

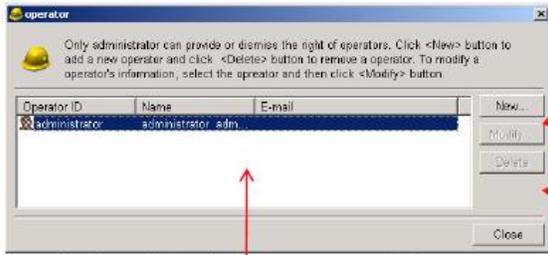
This screen is used to create other administrators and operators that will be able to log in and use the IrisAccess applications.

Administrator Vs. Operator

Administrators can control all options available in the IrisAccess software, including system configuration.

Operators have limited access to applications and reduced available functions within IrisManager (set by an administrator).

Setup Operators



The existing Administrators and Operators

New – Create Admin/Operator

Modify – Modify existing Admin/Operator

Delete – Delete existing Admin/Operator

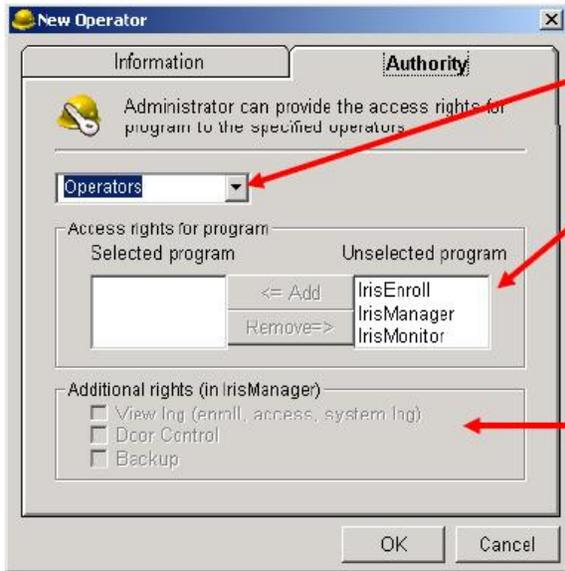


Operator ID – The username used to open the IrisAccess applications.

Optional User ID – The user ID that the operator uses for iris access.

Password – Password used to access application.

Operator Authority



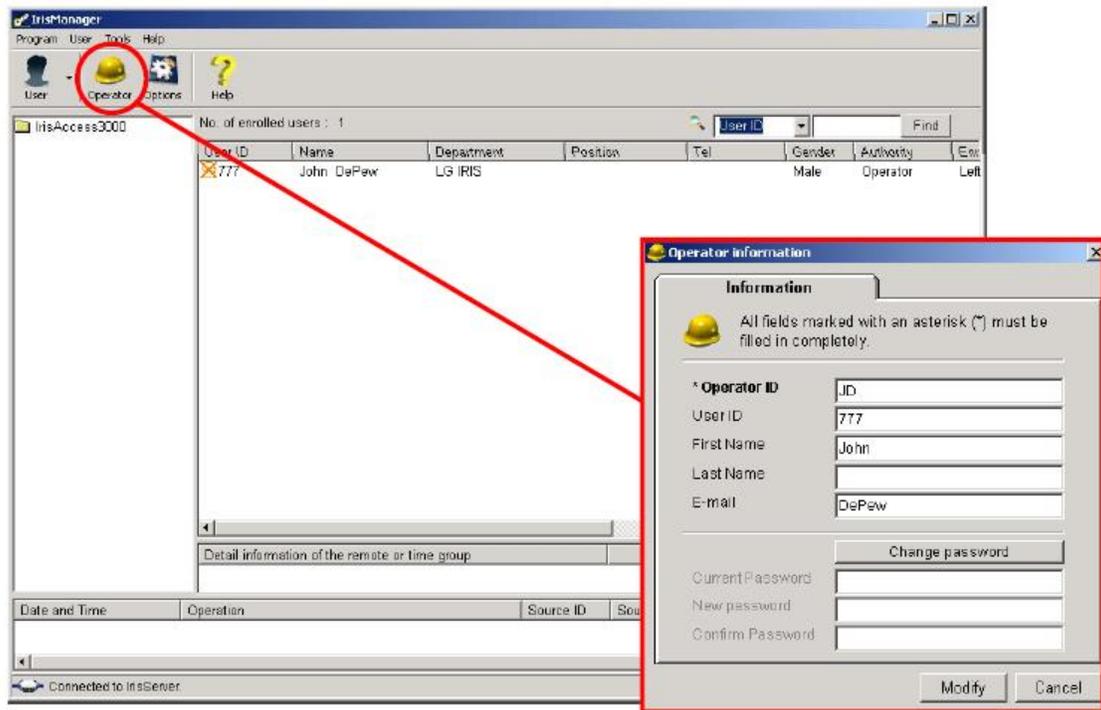
Operator or Administrator privileges

Programs that operator not able to access. Click Add to give operator access.

Functions within IrisManager that operator will be able to access.

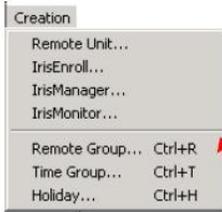
View log (view reports) Door Control (able to open doors) Backup(can run database backup)

Operator Level IrisManager

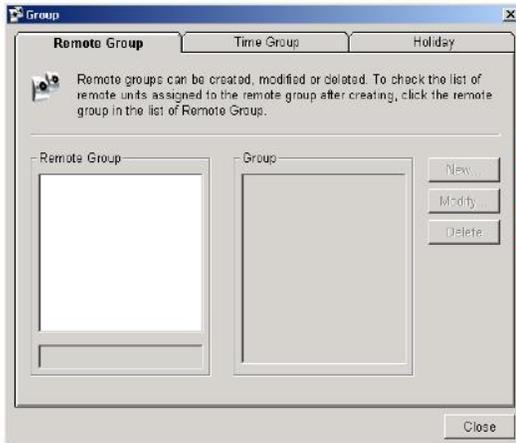


This is a restricted operator screen (no configuration or report permissions)

Setup Remote Groups



Click on Creation in the menu bar and select Remote Group



New – Create new group.

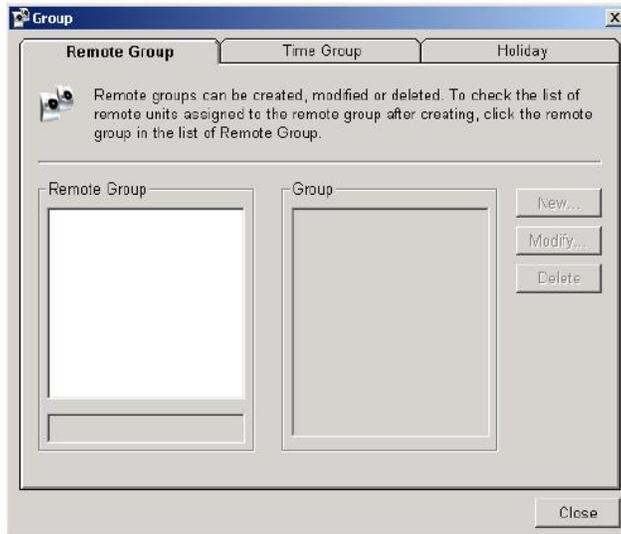
Modify – Modify existing remote group.

Delete – Delete existing remote group.

Setup Remote Groups



Click on Creation in the menu bar and select Remote Group

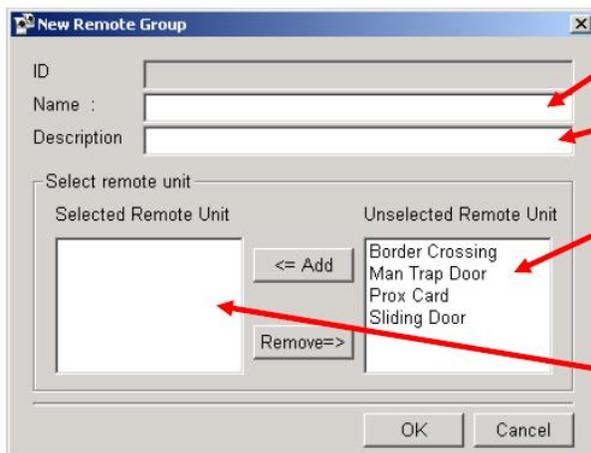


New – Create new group.

Modify – Modify existing remote group.

Delete – Delete existing remote group.

Making Remote Groups



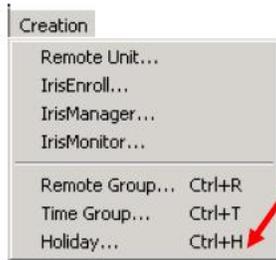
Enter Remote Group name

Description is optional

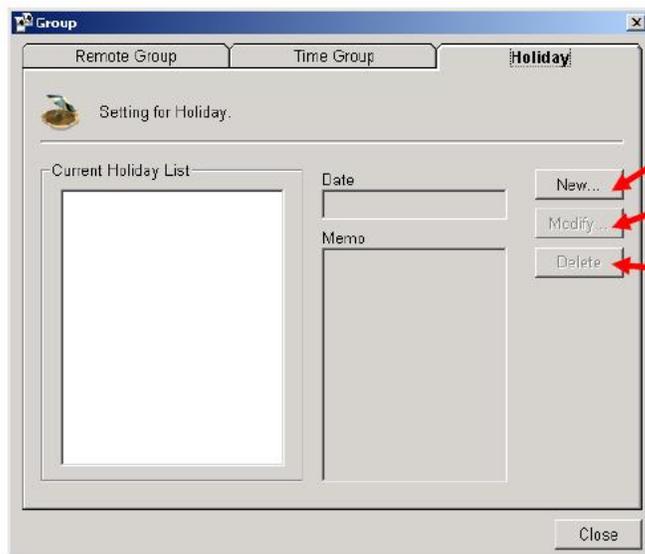
Select the iris cameras which you want to add to the group.

Selected iris camera will appear here.

Setup Holidays



Click on Creation in the menu bar and select Holiday.



New – Create new Holiday.

Modify – Modify existing Holiday.

Delete – Delete existing Holiday.

Entering a Holiday

The screenshot shows a 'New Holiday' dialog box with the following fields and annotations:

- Holiday Name:** A text input field with the annotation 'Enter Holiday name'.
- Date:** A calendar grid for August 2002. The date 28 (a Thursday) is selected. The annotation 'Select month and year' points to the month and year dropdowns, and 'Select the day of the week which you want to add as a holiday.' points to the selected date.
- Memo:** A text input field with the annotation 'Memo is optional'.
- Buttons:** 'OK' and 'Cancel' buttons are at the bottom.

S	M	T	W	T	F	S
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

The date selected as a Holiday will use the defined holiday time schedule set up in the time group.

Reports

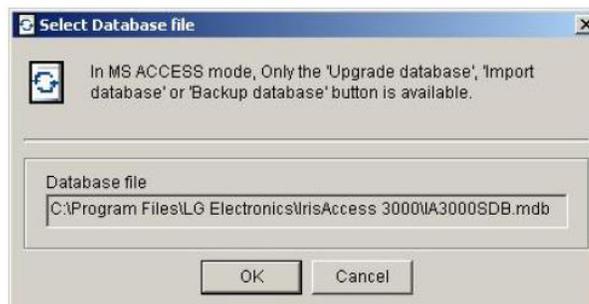
IrisAccess® EAC software has four different reports. All reports are filterable, printable, and exportable to Microsoft Excel (Excel must be installed on system)

- Enroll report – All enrollment activity
- Access report – All door access history including rejection, warning eyes, etc.
- System report – All system operations, including remote unit connection / disconnection.
- Operator log – Operator and Administrator activity. What operations were performed while operator was logged on.

15.Iris DBAdmin

IrisDBAdmin

- The IrisDBAdmin utility is used to manage the IrisAccess® Database.
- The options available in IrisDBAdmin is determined by the DBMS type used for the IrisAccess® Database.
- With a MS Access DB only Upgrade, Import, or Backup DB functions are available.
- MS SQL and Oracle 9i have all IrisDBAdmin functions available.
- For upgrade, import, backup, and merge the IrisServer program must first be stopped.
- To open the program double click on the IrisDBAdmin icon located on the desktop.
- When IrisDBAdmin is started the program will prompt for the location of the DB to be administered.



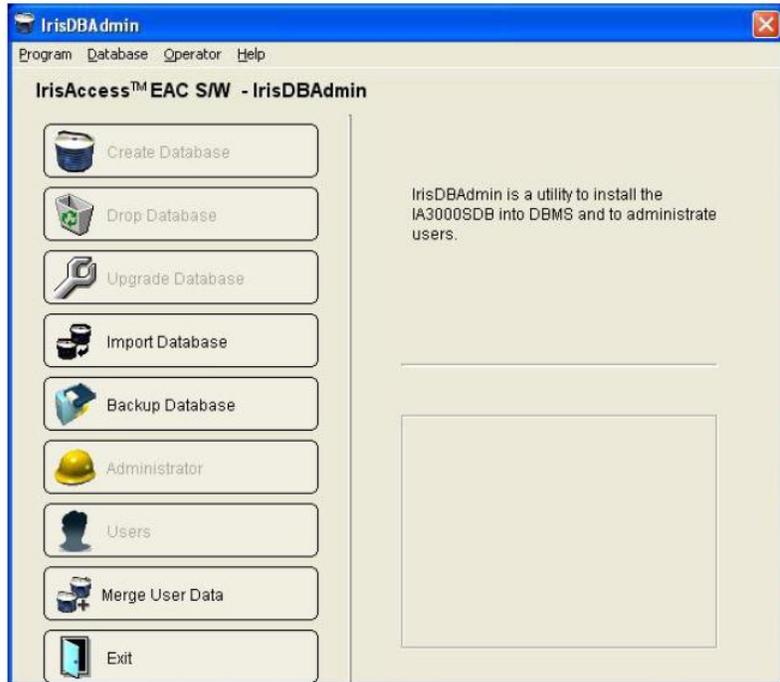
IrisDBAdmin Main Menu

Create Database – Creates DB in SQL and Oracle.

Drop Database – Erases DB in SQL and Oracle.

Upgrade Database – Upgrades a older IrisAccess DB to the v1.241 format.

Import Database – Import DB from previous stored DB

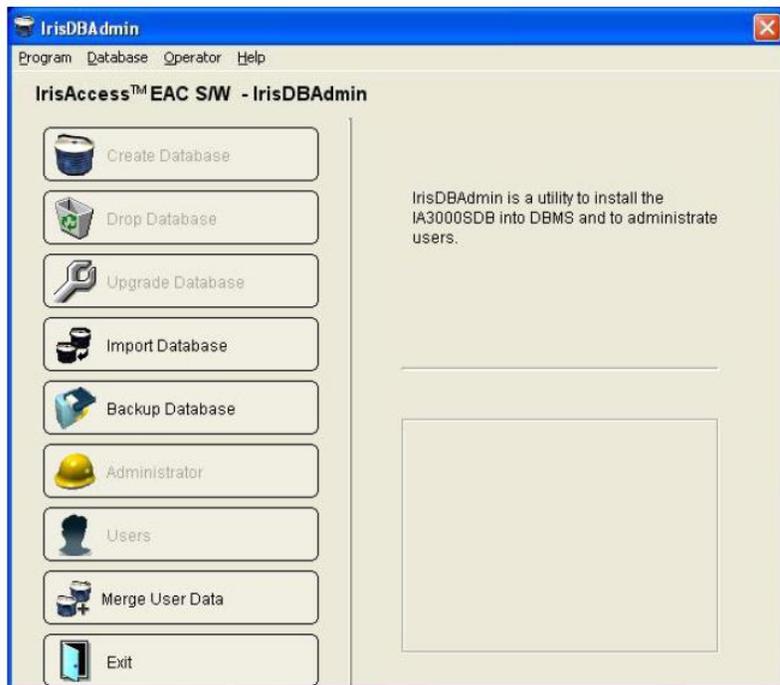


Backup Database – Backup current DB and Log files.

Administrator – SQL and Oracle DB administration.

Users – SQL and Oracle user access.

Merge User Data – To merge an existing IrisAccess DB into the active IrisAccess DB.



IrisDBAdmin - Backup

Backup creates a backup copy of the IrisAccess database to the specified location. This backup must be initiated manually.

Enter destination path

Enter destination filename

We recommend backing up the DB after new enrollments or at least once a month. IrisMonitor will report if DB allocation is reaching its limit and needs to be backed up immediately.



Backup Log copies and cleans up the system log file database to the specified location. This backup must be initiated manually.

Enter destination path

Filename is created automatically



IrisDBAdmin - Merge

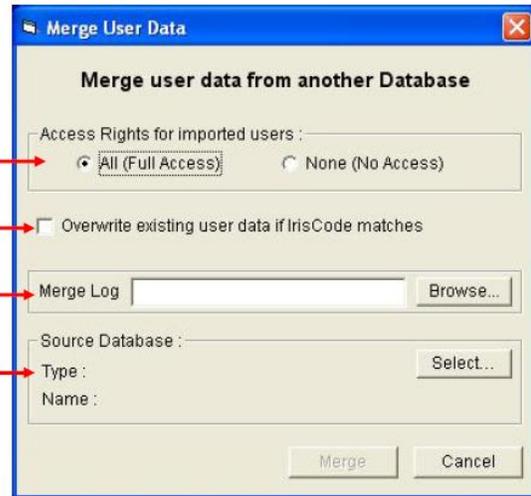
Merge allows an existing IrisAccess® DB to be merged with the active IrisAccess® database

Access Rights of users when imported

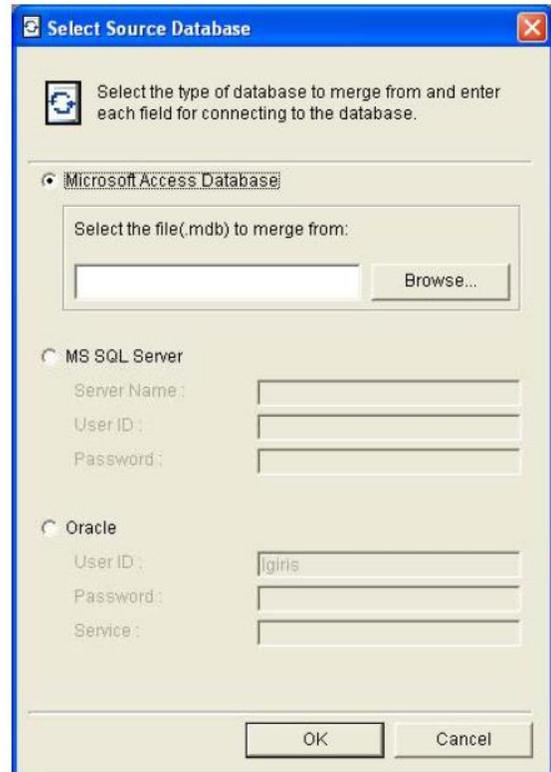
Overwrite existing users if matched

Location of merge log files

Type of database being merged and location.



Select the database type and DB location.



16. Technical Support

Iris ID support web site: www.irisid.com, click on Support & Service. Knowledgebase answers available 24 x 7 x 365.