IRIS ID
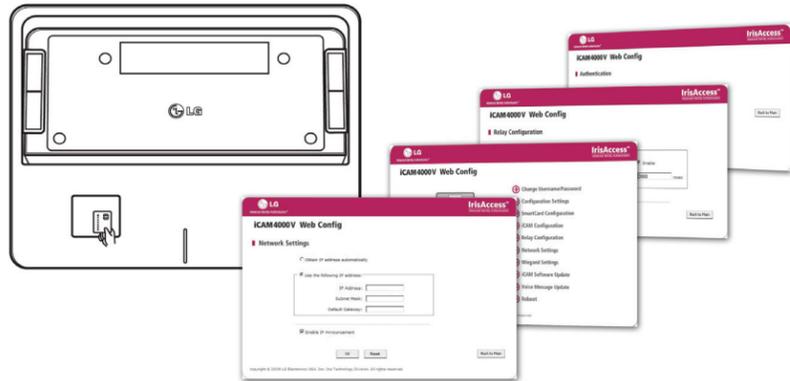
iCAM4000V

Stand-alone Configuration Guide version 1.00

Initial Configuration of iCAM

The iCAM4000V can be used as a stand-alone device for the verification of Smart Cards with the user's iris requiring no external control unit or network connections.

IP Address Settings

IP Address Settings:

- The iCAM, being a network device requires a unique IP address for proper operation if used on a network. If the iCAM will be used on a network with other computers or devices such as an iCAM, care must be taken to avoid IP conflicts. If the iCAM will be used without a network connection, you do not need to change any IP address settings as they will not apply to your installation.

- The iCAM is set with a default IP address of 192.168.5.100 with a subnet mask of 255.255.255.0. If a different IP address setting is required, please follow the procedures described below in order to change these settings. If the iCAM will not be setup on a network, skip past the Network Settings portion of this section.

* Note: There is a RESET button located on the iCAM4000 interface board. Pressing and holding the RESET button for 3 seconds will reset the iCAM IP Address to the factory default (192.168.5.100).

1. Set the computer to the static IP address of 192.168.5.250 - subnet 255.255.255.0

2. Open the web browser and enter http://192.168.5.100 in the address bar then press ENTER. The iCAM login screen will appear.

3. Enter the default Username: iCAM4000 and Password: iris4000 (both are case sensitive)

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4. The iCAM Configuration Main Menu will appear.

5. Select Network Settings.

6. Enter the new IP address for the iCAM (default = 192.168.5.100)

7. Enter the new Subnet Mask for the iCAM (default = 255.255.255.0)

8. Enter the new Default Gateway for the iCAM (default = 192.168.5.254)

9. Click OK to save changes and to open network settings verify screen.

* Note: There is a RESET button located on the iCAM4000 interface board. Pressing and holding the RESET button for 3 seconds will reset the iCAM IP Address to the factory default (192.168.5.100).

- If the new iCAM IP address is still on the same subnet as the computer: after 10 seconds the web browser will resolve to the new IP address and the login screen will appear again.

- If the new iCAM IP Address is on a different subnet: the web browser will display the standard "The page cannot be displayed" message.

* Note: Pressing and holding the up tilt button for 12 seconds will cause the iCAM to announce the iCAMs' configured IP Address.

**To test the IP Address change, perform a ping to the new IP Address:**

1. Click on Start (in the Windows task bar)

2. Select Run

3. Type cmd

4. Press Enter

5. At the command prompt type: ping <new IP> (ex. ping 192.168.5.120)

6. Close the command prompt window.

Configuring for Smartcard

1. Click on "Smartcard Configuration" link in "iCAM4010V-H1 Web Config" main page to display smartcard configuration page.
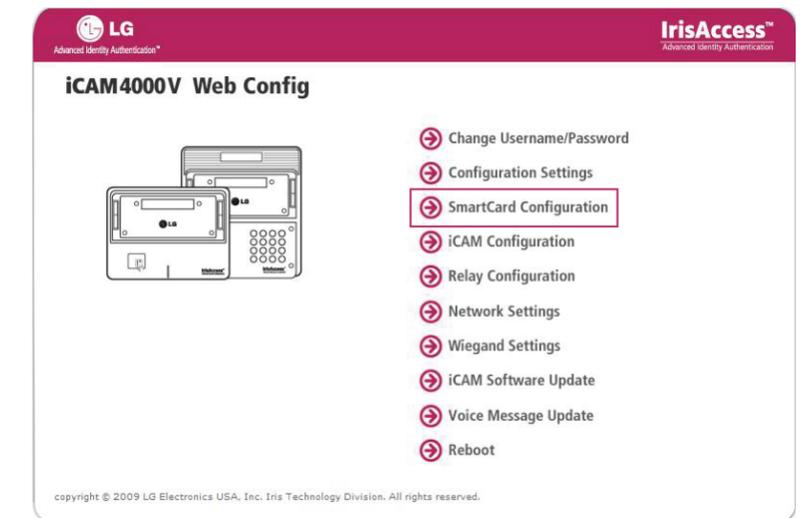
2. "Smartcard Configuration" page is shown below.
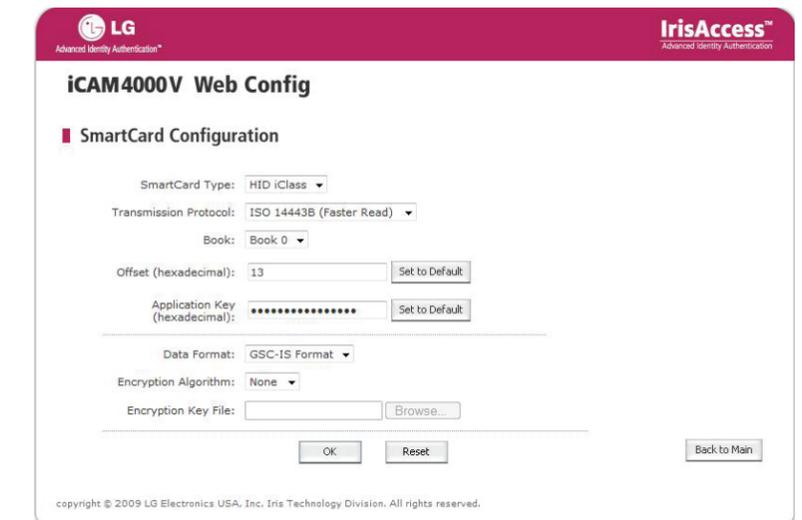
3. Change the settings to match the configured settings used when creating the security key file from iData™ CMA.

- Smartcard Type
- Transmission Protocol
- Book
- Offset
- Data Format
- Encryption Algorithm

* Note: For detailed information on the Smartcard format options, refer to the Smartcard Configuration section.

4. Browse and Select the Encryption Key file which was created by the iData™ CMA application.

5. If desired, enter in the Application Key.

IMPORTANT: The Application Key is used to secure the contents of a card. This key will be encoded into all cards which are created from this iCAM. It is very important that the authentication key entered is retained since this will need to be entered in every iCAM in order to allow read/write of the SmartCards. Once a SmartCard is encoded with this Key it cannot be re-encoded with a different authentication key.

6. Click "OK" button to set Smartcard Configurations to iCAM.

7. Click "Back to Main" button to display iCAM4000V Web Config main page.

Configuring the iCAM4000V Output

The iCAM4000V has 2 dry-contact relays available for output as well as one Wiegand output interface.

Configuring for Relay Output:
Relay1/Relay2 can be enabled or disabled by selecting enable, disable radio button options. If Relay1/Relay2 is/are enabled, the duration should be in the range of 10 to 60000msec.

1. Click on "Relay Configuration" link in "iCAM4000V Web Config" main page to display the Relay Configuration page.
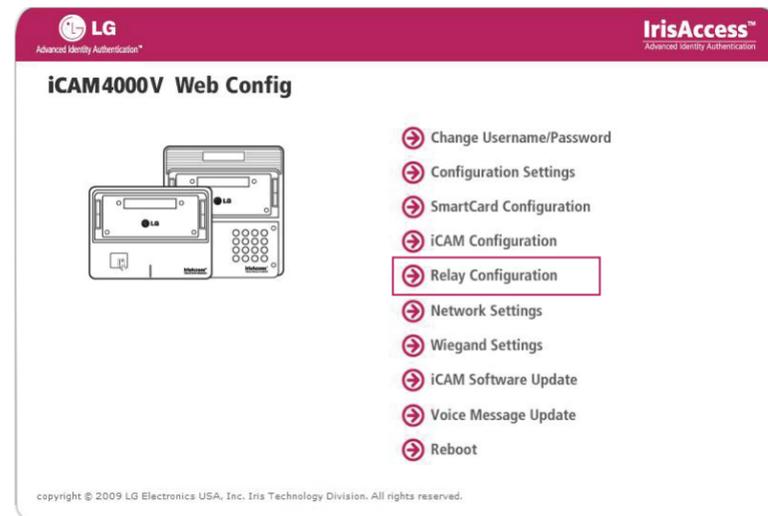
2. The "Relay Configuration" page is as shown below.
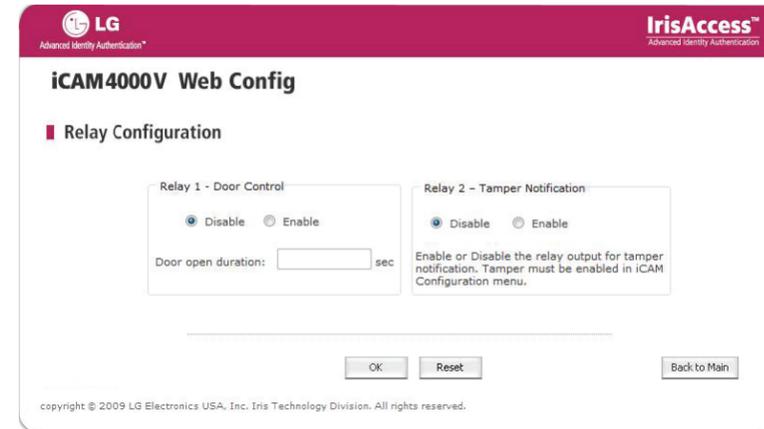
3. Enter the desired value (seconds) in the Duration field(s).

* Note: Duration time is in seconds. (Ex. If 3 seconds of duration is desired enter 3 as the value)

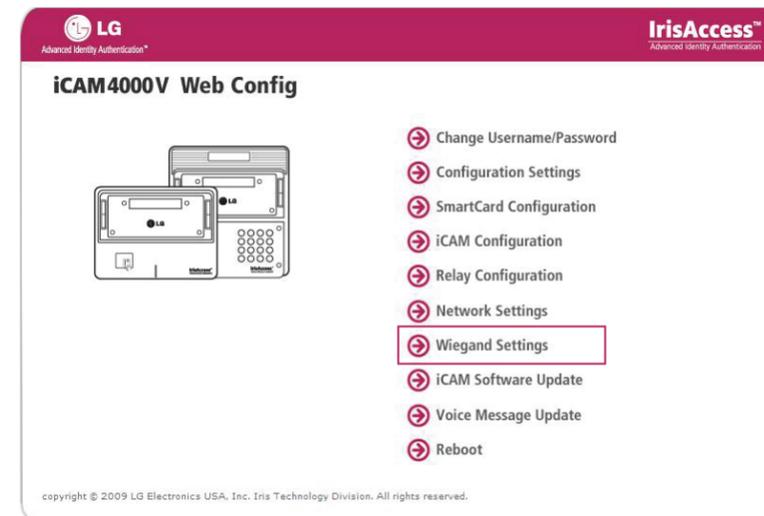4. Click "OK" button to set the Relay Configurations of iCAM.

5. Click on "Reset" button to reset to the original values.

6. Click on "Back to Main" button to display iCAM4000V Web Config main page.

Configuring for Wiegand Output:
The Wiegand Output of the iCAM will pass through the Card Data of the iClass smartcard verified.

1. Click on "Wiegand Settings" link in iCAM4000V Web Config main page to display the Wiegand Settings page.

2. The "Wiegand Settings" page is as shown below.

3. Click on "OK" button to set the Wiegand Settings to iCAM.

4. Click on "Reset" button to reset the original values.

5. Click on "Back to Main" button to display iCAM4000V Web Config main page.

* Note: For detailed information on the Wiegand Output settings, refer to the Smartcard Configuration section.

Technical Support

Additional information and Technical assistance is available on the Iris ID System's support web site at www.irisid.com, click on Support & Service then Technical Support.

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