



Messenger[®] Wireless Lock Access Network Operations Manual

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Section 1: Introduction

Messenger® Wireless Lock Access Network

SAFLOK's Messenger® Wireless Lock Access Network converts stand-alone, battery-operated door locks into a wireless network access control system that streamlines security procedures and maximizes staff efficiency. It is an ideal link for sending and receiving real-time messages. With a broad range of functionality, Messenger expedites the check-in process, enhances guest convenience, reduces expenses, and conserves staff time.

Messenger provides real-time information to a central PC for monitoring access, disabling lost keycards, interrogating locks, and performing diagnostics. It eliminates the need for staff to visit individual doors, allowing them to focus their energies elsewhere. This creates a tremendous operational advantage.

Features and Benefits

Access Tracking Capabilities with Real-Time Database Screen

The network compiles and records a database of room entries and displays, in a table format, the ongoing transactions taking place at the locks. It identifies date, time, room number, level, user ID, and action, allowing you to track movement throughout the property in real time. You can also locate guests, employees, or contractors because Messenger can tell you the last time the key was used.

Printable Reports

The system allows you to print customized reports, showing transactions for a specific room, employee, time period, floor, key level, or any combination, making it easier to identify activity at specific rooms.

Low Battery Alerts

You can quickly identify specific rooms with low battery conditions because the locks are able to initiate messages and send them to the central PC. There is usually a 30-day window to perform the battery maintenance before the battery expires. Maintenance is also able to pull and print battery reports so they can more effectively schedule the change-outs.

Instant Messaging

This feature allows you to initiate an instant message notification of a future event occurring at specific locks. If a front desk employee wants to be notified when a guest arrives at their room, they enter the information in the computer and when the event occurs, an instant message appears on the screen. You can also use this feature to locate employees the next time they use their keycard.

Re-rooming Guests

Using Messenger, the staff is able to send a key to another room without the guest having to return to the front desk.

Section 2: Messenger Server Setup and Installation

Configuring the Secured Property Information

1. Click on the **SAFLOK_Config** icon and use the secured logon to open the SAFLOK Configuration program.



2. Enter the **Property Configuration** window, then click on the **Secured** tab.

3. Be sure that MESSENGER is displayed under **On-Line System Protocol**. Select the following options:

- **Lock can handle 2/29/2000**
- **Locks can handle canceling key IDs**
- **Expanded Memory Locks**
- **Locks can handle ELPS**

Note: The **Inncom devices** box should NOT be selected.

4. Click on **OK** to complete the configuration.

Property Configuration

Unsecured | **Secured**

Property Information (Secured)

Property Number: [] Maximum Users/Logons: [0]

Property Type: HOTEL

System Type: PASSPORT

On-Line System Protocol: MESSENGER

Inncom EMS devices

Locks can handle 02/29/2000

Locks can handle canceling key IDs

Expanded Memory Locks

Internet Version

Locks can handle ELPS

Allow Basic Design Changes

[OK] [Cancel]

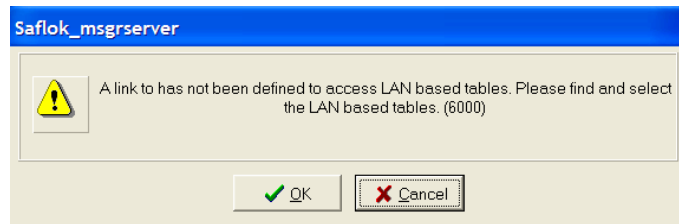
Section 2: Messenger Server Setup and Installation

Configuring the Messenger Database

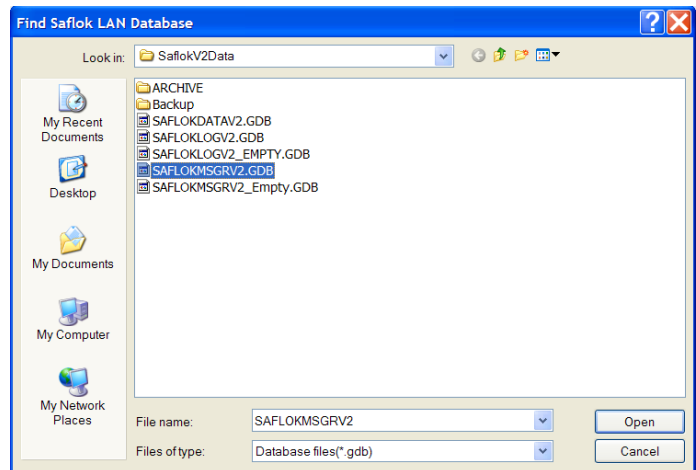
1. Click on the **Messenger Server** or the **Messenger Client** Icon.



2. If this is the first time the program is opened, the Saflok_msgrserver PC dialog box will appear. Click on **OK** to continue.



3. At the Find Saflok LAN Database PC dialog box, click on the **SaflokMSGRV2.GDB** file at the default path, *C:\Program Files\SAFLOKV2\SAFLOKV2Data*.



4. Click **Open** to continue.

The icon will minimize into the Task Bar as shown.



5. Click on Messenger server Icon located on task bar near the clock.



6. At the SAFLOK Messenger Server window, click on File, then Logon.
7. At the Logon dialog box, enter your User ID and Password that you set up in the SAFLOK Client Software, then click on **OK**.



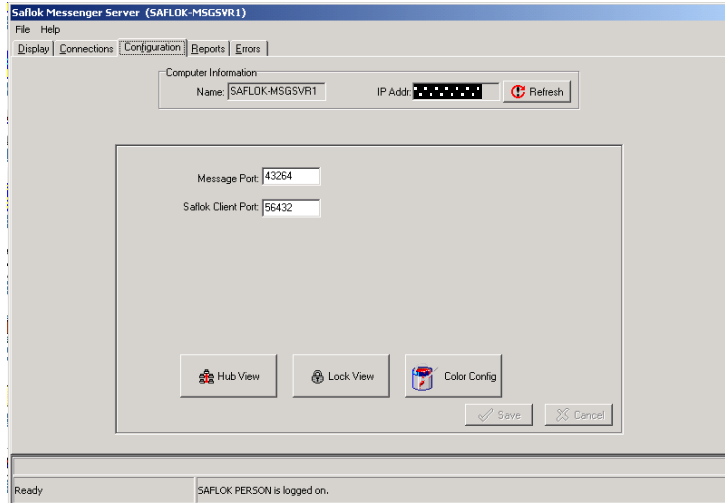
Section 2: Messenger Server Setup and Installation

Configuring the Messenger Database (continued)

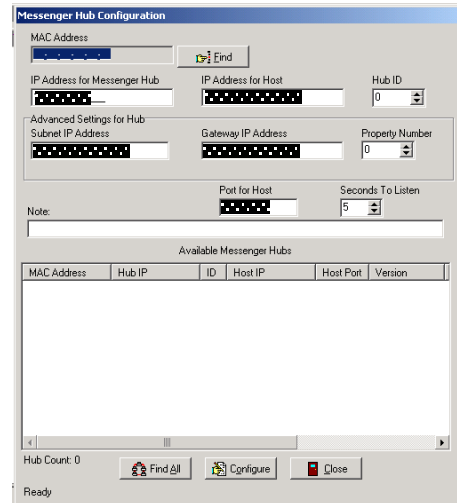
8. Click on the **Configuration** tab.

9. To set up the Messenger hubs in the system, click on the **Hub View** button.

Note: If there are no hubs in the system, the system will ask to find hubs. Click **OK**, then the find hub screen will appear.



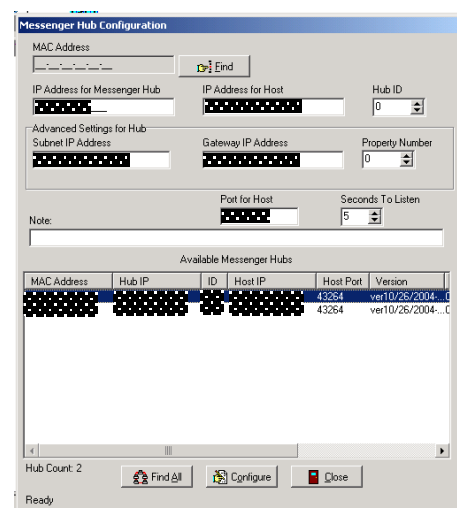
10. Click on **Find All**. The system displays all hubs that the system can find on the network it use UDP broadcast to find them by MAC address.



11. Double click on the hub that needs to be added to the system and give it an IP address.

12. Click on **Configure**.

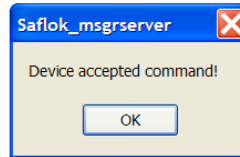
Note: the MAC addresses are labeled on the bottom of each hub.



Section 2: Messenger Server Setup and Installation

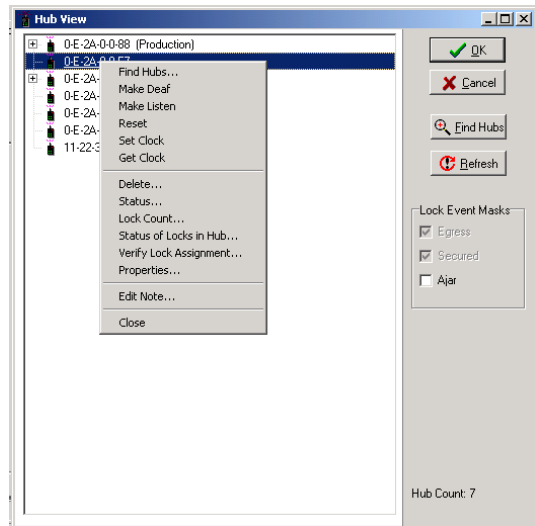
Configuring the Messenger Database (continued)

13. At the Saflok_msgrserver PC dialog box, click on **OK**.



14. Right click on the hub if you require additional information. The selections are listed and defined below.

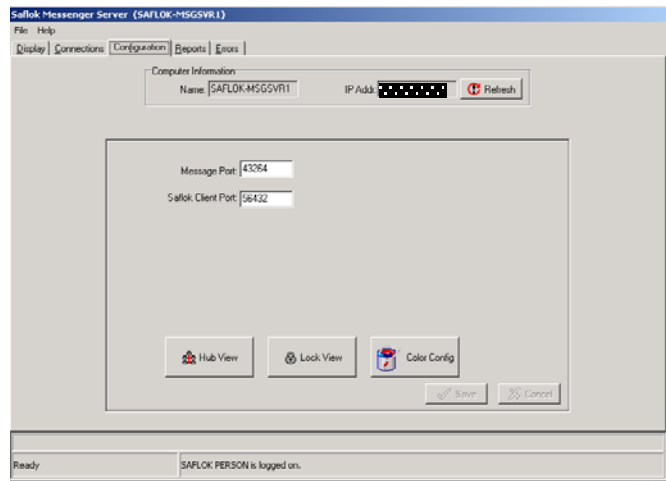
- Find Hubs**
Jumps to the hub setup screen
- Make Deaf**
Makes the hub so it will not receive any lock messages
- Make Listen**
Allows the hub to receive lock messages
- Reset**
Resets the hub
- Set Clock**
Sets the hubs internal clock
- Get Clock**
Checks the hubs internal clock
- Delete**
Deletes the hub and lock assignments
- Status**
Gives the MAC and last communication information
- Lock Count**
Shows locks assigned to this hub
- Status of Locks in Hub**
Give locks status
- Verify Locks Assignment**
Verifies that lock(s) are assigned to this hub
- Properties**
Hub ID, IP address, Servers Address, Port, Version and Last communication
- Edit Notes**
This field is available for you to add a note about the hub (e.g., the hub's location)



Section 2: Messenger Server Setup and Operation

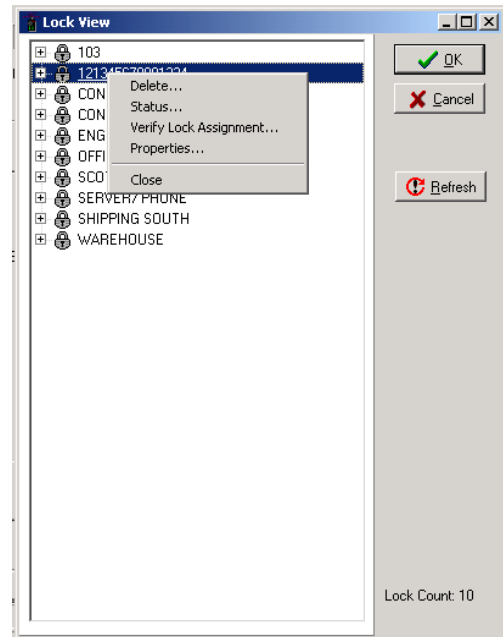
Configuring the Messenger Database (continued)

15. Click on the **Lock View** button to show the locks in the system.



16. Right click on the lock if you require additional information. The selections are listed and defined below.

<p>Delete Deletes lock assignment (will reassign automatically)</p> <p>Status All door status indicators and last communication time are given</p> <p>Verify Lock Assignment Confirms Locks assignment</p> <p>Properties Assigned Hub and last communication time</p>



Note: The locks will automatically assign themselves to the strongest responding hub. If a lock loses connection with that hub, it will reassign itself to another.

At this point, the hubs are set up. Note that you need to be on the same Class-A network, unless otherwise routed. The IP address for the hubs can be changed, but the subnet is 255.0.0.0.

Section 2: Messenger Server Setup and Installation

Setting Display Screen Colors for the Server and Client Programs

1. Click on Messenger server Icon located on task bar near the clock.

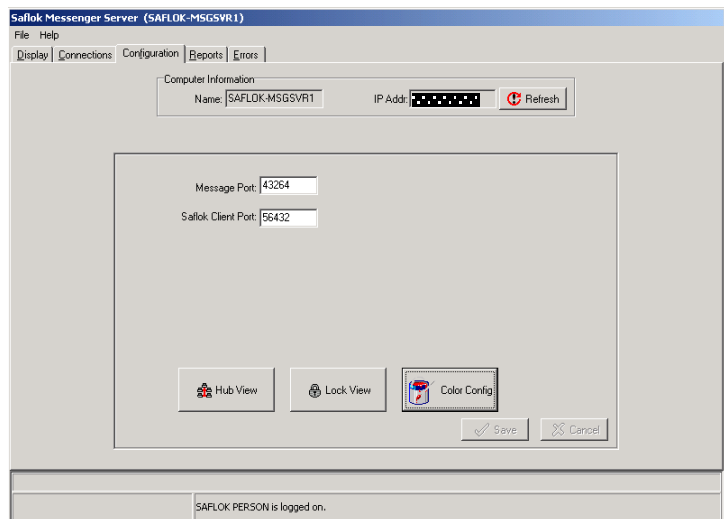


2. At the SAFLOK Messenger Server window, click on **File**, then **Logon**.

3. At the Logon PC dialog box, enter your **User ID** and **Password** that you set up in the SAFLOK Client Software, then click on **OK**.



4. At the SAFLOK Messenger Server screen, click on the **Configuration** tab.

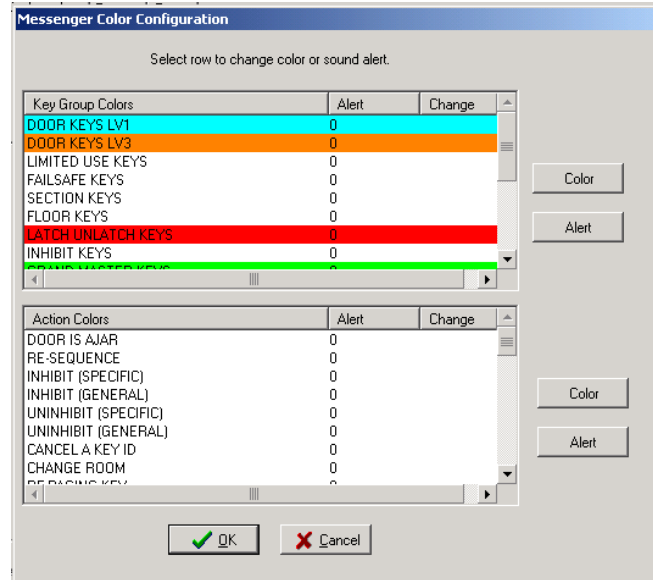


5. Click on the **Color Config** button.

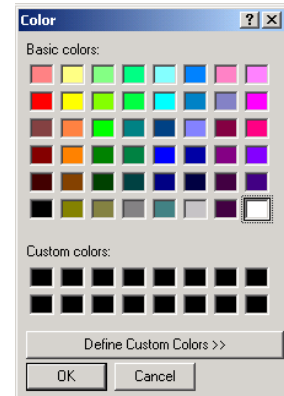
Section 2: Messenger Server Setup and Installation

Setting Display Screen Colors for the Server and Client Programs (continued)

- Double click on the key group or function key in the window that you want to change the color.



- Double click on the color that you would like and then click on **OK**.



Section 2: Messenger Server Setup and Operation

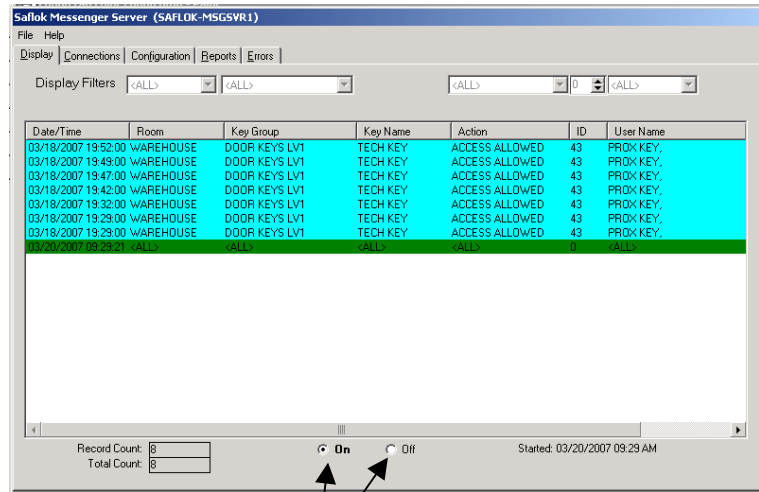
Changing the Display Filters

At the SAFLOK Messenger Server or Messenger Client screen, select the **Display** tab.

The **Display** tab shows the date/time, room number, key group, key name, action (such as entry or paging key information, if allowed), key ID, user name, and hub date/time. This screen also provides a record count at the bottom.

From this screen, you can also filter all incoming data on the display by using various options, or you can select **<ALL>** to see all key usage activity.

Here you can filter the display by various options or if you leave them on **<ALL>** you will get all key usage activity.



Filter ON/OFF Control

Note: To turn the display control on or off, you must be logged in. Turn off the display, change the filter setting, and then turn the display back on.

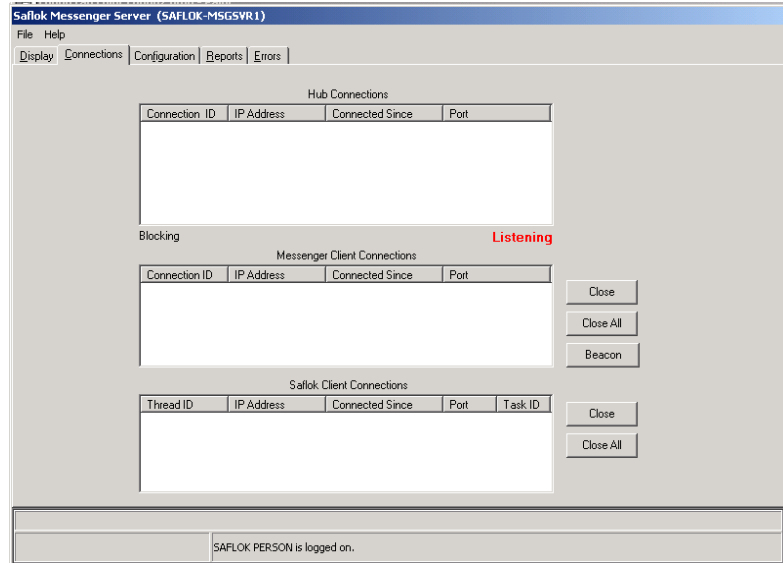
Section 2: Messenger Server Setup and Installation

Viewing Connections to the Messenger Server

From the SAFLOK Messenger Server window, click on the **Connections** tab to view the connections to the Messenger server.

The **Connections** tab shows hubs or Messenger Client connections, along with third party connections.

Hubs connect and disconnect quickly only when they need to communicate with the server.

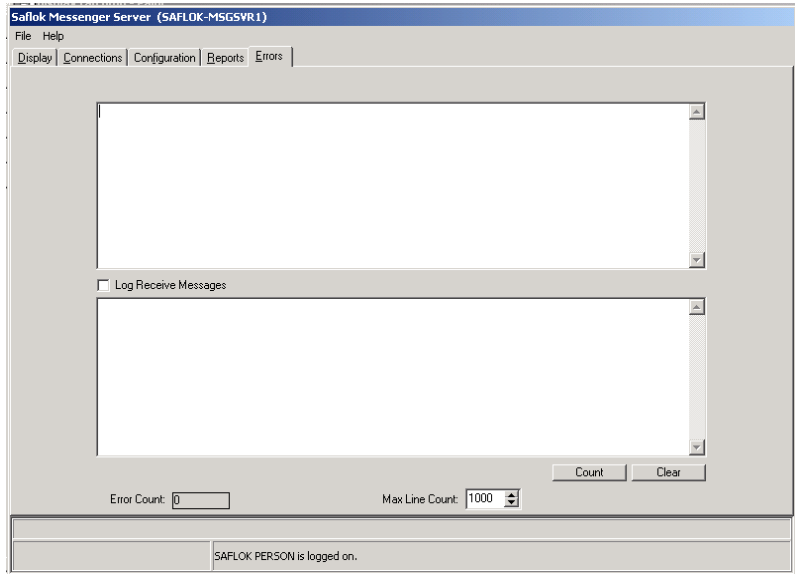


Section 2: Messenger Server Setup and Operation

Reviewing Errors

From the SAFLOK Messenger Server window, click on the **Errors** tab to determine if your system has detected any errors.

If there are any errors, such as communication or lock errors, they will be displayed here.



Section 3: Messenger Server Reports

Running a Device Event Message Report

1. Click on the Messenger server icon or the Messenger Client icon located on task bar near the clock.

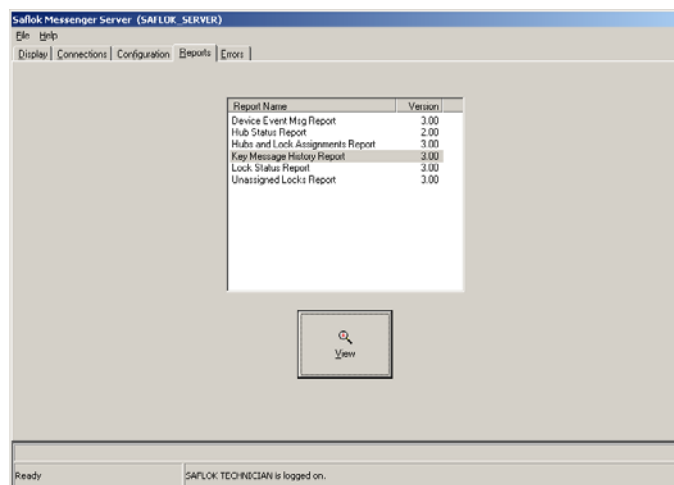


2. At the SAFLOK Messenger Server window, click on **File**, then **Logon**.

3. At the Logon dialog box, enter your **User ID** and **Password** that you set up in the SAFLOK Client Software, then click on **OK**.



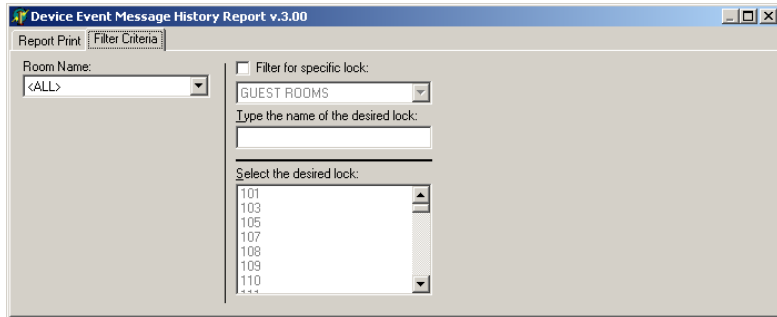
4. From the SAFLOK Messenger window, click on **Device Event Message Report**.
5. Click on **View**.



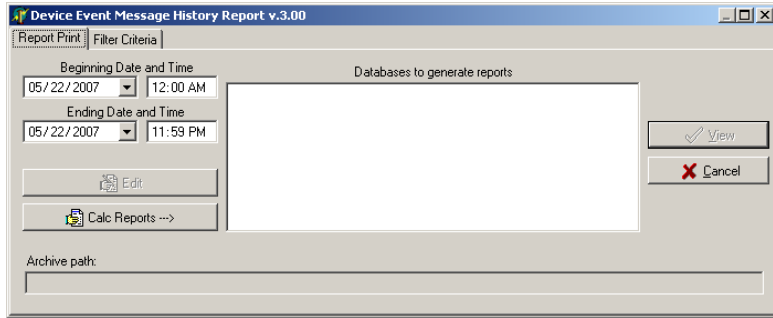
Section 3: Messenger Server Reports

Running a Device Event Message Report (continued)

6. At the Device Event Message Report PC dialog box, click on the **Filter Criteria** tab and set the report parameters.



7. Click on the **Report Print** tab, and set the date range.
8. Click on **Calc Reports** to run the report.
9. When the report is complete, click on **View**.



Device Event History Report

HUB Time	Room Name	Event
04/11/2007 05:12 PM	CEQ	Door Is Ajar
04/11/2007 05:41 PM	CONF ROOM 1	Door Is Ajar
04/11/2007 05:58 PM	CEQ	Door Is Ajar
04/11/2007 06:09 PM	CEQ	Door Is Ajar
04/11/2007 06:51 PM	CEQ	Door Is Ajar
04/11/2007 06:53 PM	CEQ	Door Is Ajar
04/11/2007 07:11 PM	CEQ	Door Is Ajar

Section 3: Messenger Server Reports

Running a Hub Status Report

1. Click on the Messenger Server or Messenger Client icon located on task bar near the clock.

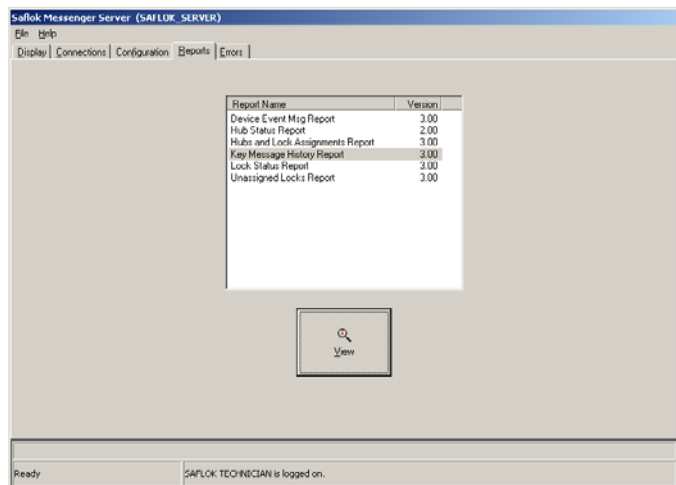


2. At the SAFLOK Messenger Server window, click on **File**, then **Logon**.



3. At the Logon dialog box, enter your **User ID** and **Password** that you set up in the SAFLOK Client Software, then click on **OK**.

4. From the SAFLOK Messenger window, click on **Hub Status Report**.



5. Click on **View**.

Hub Status Report

HUB STATUS						
MAC Address	HubID	IP Address	Version		Last Communication	Notes
0-23	57	57	ver10	9	06/2	3:01 PM
0-24	133	13	ver10	9	06/2	3:06 PM
0-26	30	30	ver10	9	06/2	3:04 PM
0-28	76	76	ver10	9	06/2	3:05 PM
0-2A	7	7	ver10	9	06/2	3:11 PM
0-2D	112	11	ver10	9	06/2	3:08 PM

Section 3: Messenger Server Reports

Running a Hubs and Lock Assignments Report

1. Click on the Messenger Server or Messenger Client icon located on task bar near the clock.



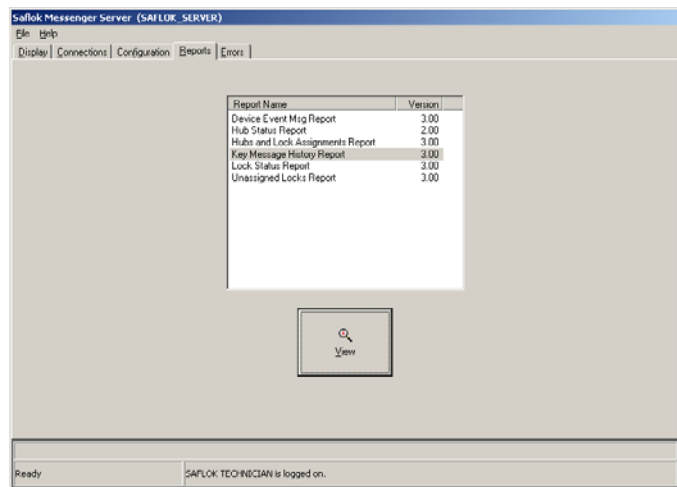
2. At the SAFLOK Messenger Server window, click on **File**, then **Logon**.

3. At the Logon dialog box, enter your **User ID** and **Password** that you set up in the SAFLOK Client Software, then click on **OK**.



4. From the SAFLOK Messenger window, click on **Hubs and Lock Assignments Report**.

5. Click on **View** to display the report.



Hubs and Lock Assignments Report

HUB AND LOCK ASSIGNMENTS				
HUB ID: 110		MAC Address: [REDACTED]		
Lock Name	Lock Name	Lock Name	Lock Name	Lock Name
101	103	105	107	108
109	110	111	112	114
115	116	117	201	203
205	207	208	209	210
211	212	214	215	216

Section 3: Messenger Server Reports

Running a Key Message History Report

1. Click on Messenger Server or Messenger Client icon located on task bar near the clock.

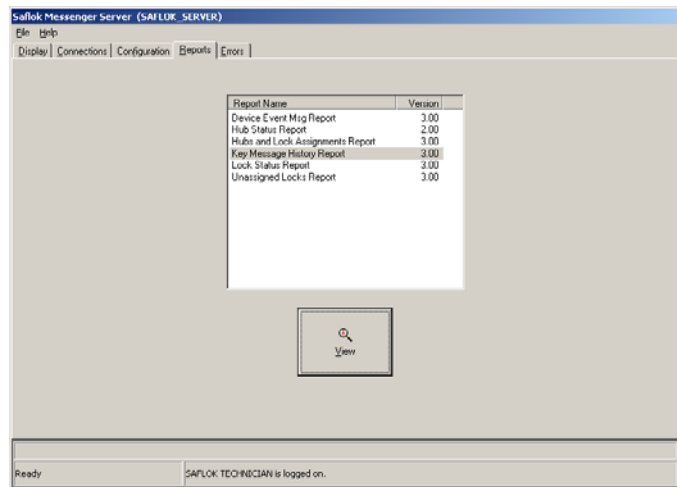


2. At the SAFLOK Messenger Server window, click on File, then Logon.

3. At the Logon dialog box, enter your **User ID** and **Password** that you set up in the SAFLOK Client Software, then click on **OK**.

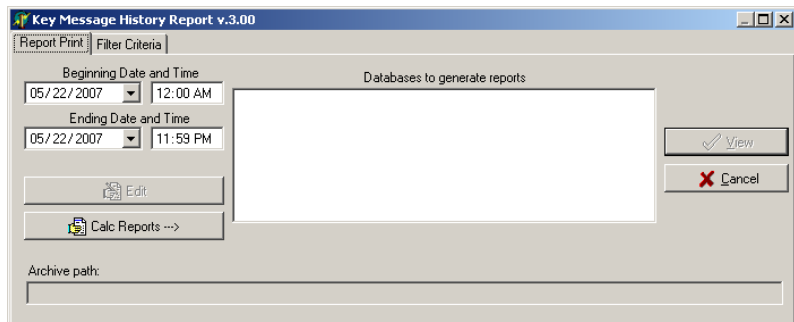


4. From the SAFLOK Messenger window, click on the **Reports** tab.



5. Click on **Key Message History Report** and then Click on **View**.

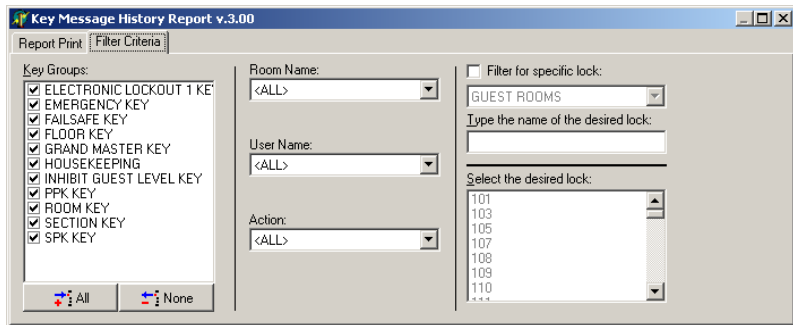
6. Click on the **Filter Criteria** tab.



Section 3: Messenger Server Reports

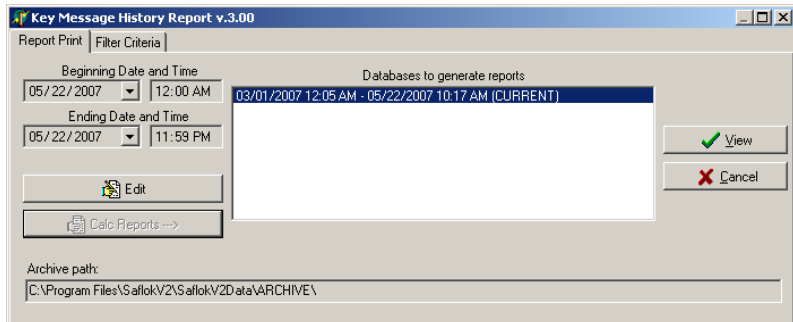
Running a Key Message History Report (continued)

- At the **Filter Criteria** tab, click on **Filters** and then select your options.



- Click on the **Report Print** tab.

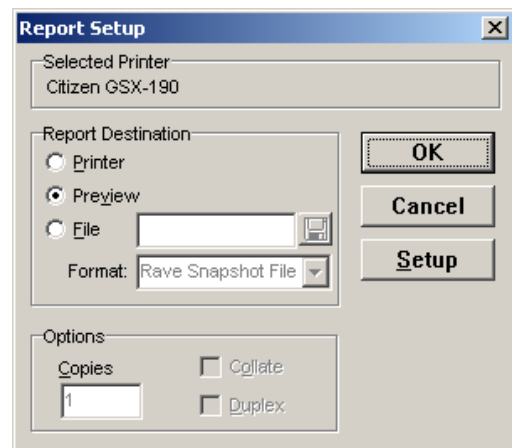
- Click on **Calc Reports**.



- Click on the **Report** that appears, and then click on **View**.

- Select **Printer** or **Preview**.

- Click on **OK** to print or display the report.



Note: Depending on the time span and filtering criteria, this report may take several minutes to run and may show that the application is not responding. Please wait while the system completes the report.

Section 3: Messenger Server Reports

Running a Key Message History Report (continued)

Example Report

KEY MESSAGE HISTORY REPORT Page 3 of 3					
Filtered By: Date Range: From 03/01/2004 12:00 AM to 03/10/2004 11:59 PM					
HUB Time	Room Name	Key Group	Key Name (ID)	User Name	
03/08/2004 09:09 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:10 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:10 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:10 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:10 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:10 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:10 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:13 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:13 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:23 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:23 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:23 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:23 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:23 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:23 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:23 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:23 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED
03/08/2004 09:24 PM	101	GUEST KEYS	101 (207)	Not Available	Action : ACCESS ALLOWED

Section 3: Messenger Server Reports

Running a Lock Status Report

1. Click on the Messenger Server or Messenger Client icon located on task bar near the clock.



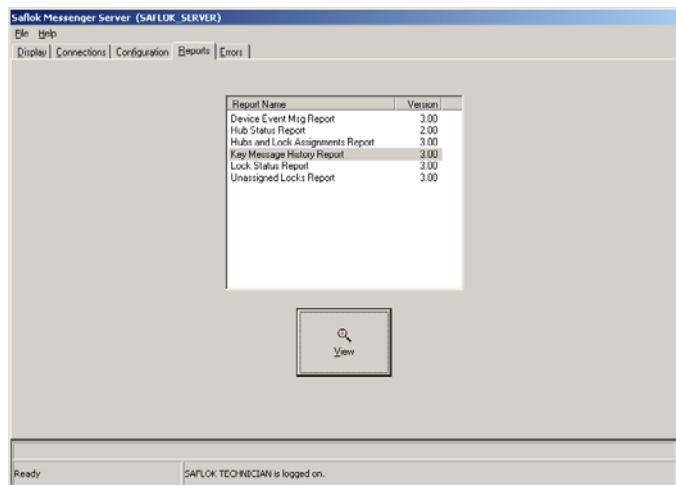
2. At the SAFLOK Messenger Server window, click on **File**, then **Logon**.

3. At the Logon dialog box, enter your **User ID** and **Password** that you set up in the SAFLOK Client Software, then click on **OK**.



4. From the SAFLOK Messenger window, click on **Lock Status Report**.

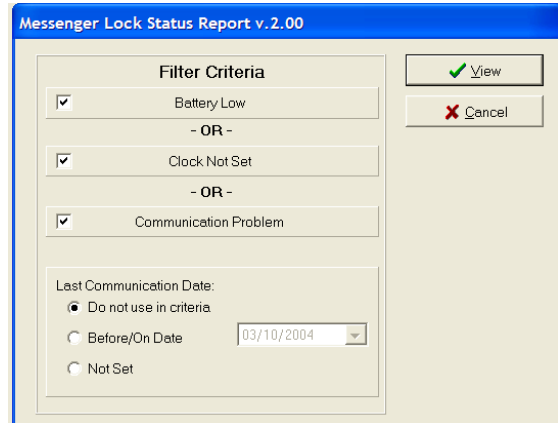
5. Click on **View**.



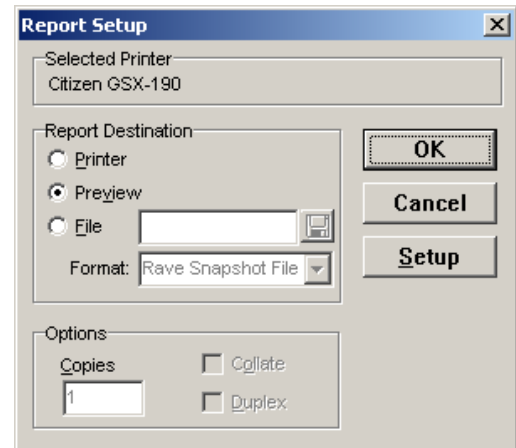
Section 3: Messenger Server Reports

Running a Lock Status Report (continued)

6. Click on **Filter Criteria Buttons**, then click on **View**.



7. Click on **Print or Preview**, then **OK**.



Example Lock Status Report

Lock Name	Battery Low	Clock Not Set	Communication Problem	Last Communication
103	No	No	No	05/21/2007 07:04 PM
107	No	No	No	05/21/2007 01:40 PM
108	No	No	No	05/21/2007 01:34 PM
116	No	No	No	05/21/2007 11:51 PM
117	No	No	No	05/21/2007 09:26 PM
119	No	No	No	05/21/2007 08:02 PM
139	No	No	No	05/21/2007 11:00 PM
143	No	No	No	05/21/2007 11:35 PM

Section 3: Messenger Server Reports

Running an Unassigned Locks Report

1. Click on the Messenger Server or Messenger Client icon located on task bar near the clock.

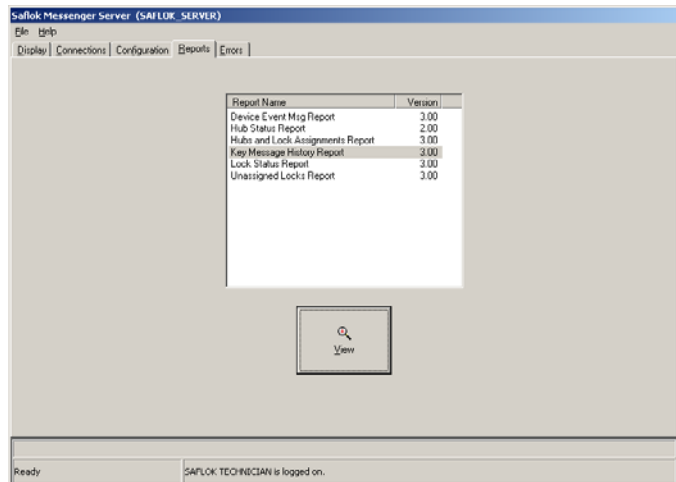


2. At the SAFFLOK Messenger Server window, click on **File**, then **Logon**.



3. At the Logon dialog box, enter your **User ID** and **Password** that you set up in the SAFFLOK Client Software, then click on **OK**.

4. From the SAFFLOK Messenger window, click on **Unassigned Locks Report**.



5. Click on **View** to display the report.

Unassigned Locks Report Example

UNASSIGNED LOCKS			Page 1 of 1
Lock Name	Lock Name	Lock Name	
500	71	72	
73	74	75	
DEMO	EO	EXIT1	
GL	HO	LN	
LO			

Section 4: Messenger Functions in System 6000™

Making Paging Keycards

When paging keycards are used in an on-line lock, the activity will be displayed on the Messenger server or Client terminal(s).

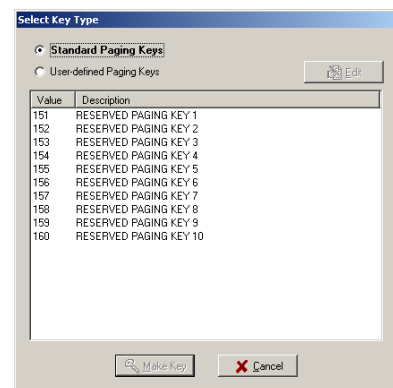
1. Open the SAFLOK Client program. Enter your **User ID** and **Password** to log in.



2. At the main window, click on the **Keys** tab.



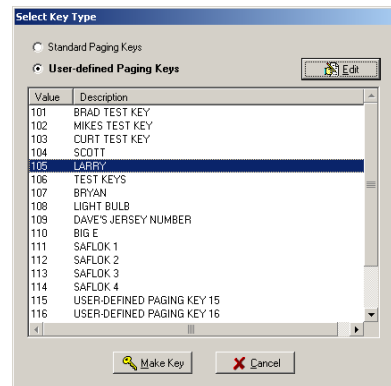
3. From the Keycards View PC dialog box, click on **Make Paging Keys**.



Section 4: Messenger Functions in System 6000™

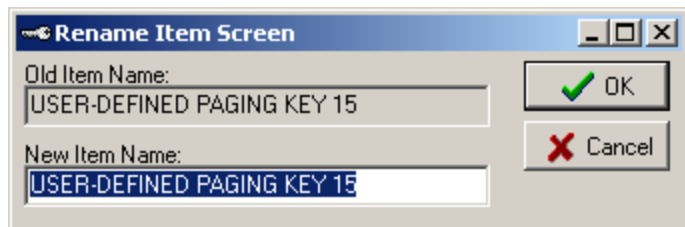
Making Paging Keycards (continued)

4. Then select **User-Defined Paging Keycards**. Then click on an unused key number or one you would like to change.

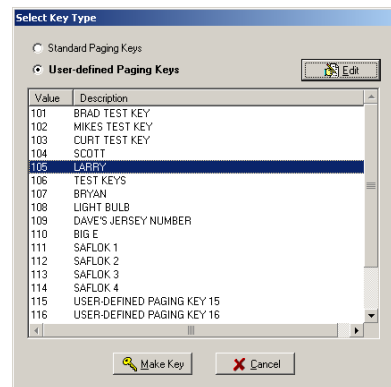


5. Click on the **Edit** button.

6. At the Rename Item PC dialog box, type the **New Item Name**. Click on **OK**.



7. Click on the **Make Key** button.



Section 4: Messenger Functions in System 6000™

Canceling Individual Master Keycards Using Messenger

1. To cancel a Master keycard, open the SAFLOK Client program. Enter your **User ID** and **Password** to log in.

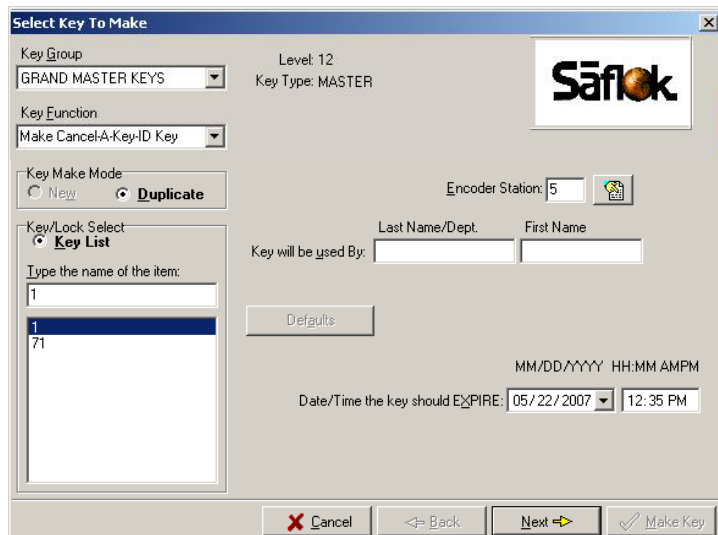


2. At the main window, click on the **Keys** tab.



3. Click on the **Make User Keys** button.

4. Select **Grand Master Key** at the Key Group menu.
5. At the Key Function menu, select **Make Cancel ID Key**.
6. Select a key from the key list.
7. Click on **Next**.



Section 4: Messenger Functions in System 6000™

Canceling Individual Master Keycards Using Messenger (continued)

8. Enter the **Key ID** that you want to cancel.

9. Click on **Next** until you get to the Additional Information window.

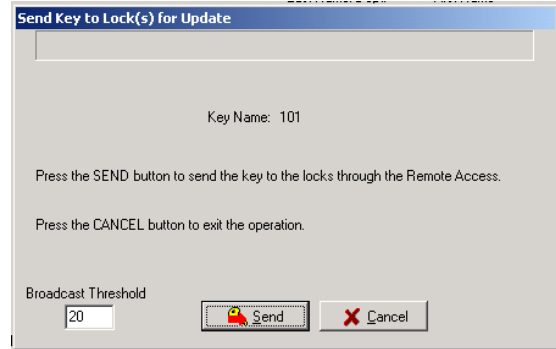
9. Check the box **Send Key Though Remote Access**.

10. Click on **Make Key**.

Section 4: Messenger Functions in System 6000™

Canceling Individual Master Keycards Using Messenger (continued)

11. Click on **Send** to send the key to the lock.



Section 4: Messenger Functions in System 6000™

Canceling All Master Keycards Using Messenger

1. To cancel all Master keycards, open the SAFLOK Client program. Enter your **User ID** and **Password** to log in.



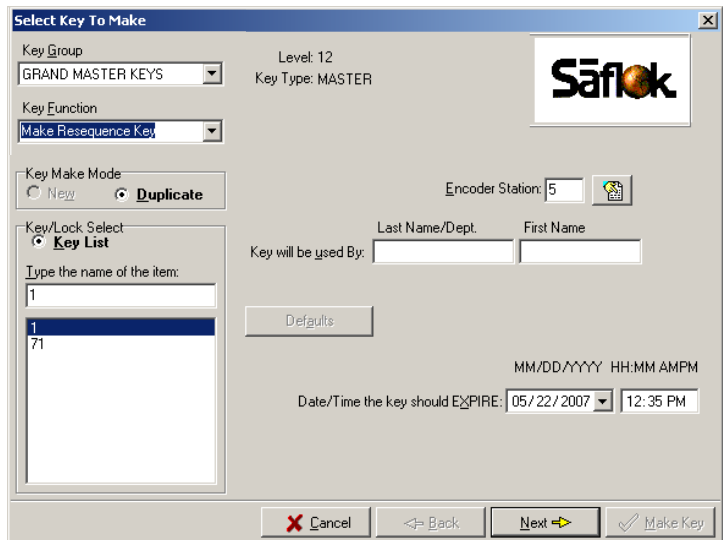
2. At the main window, click on the **Keys** tab.



3. Click on the **Make User Keys** button.

4. Select **Grand Master Key**.

5. Under Key Function, select **Make Resequenece Key**.



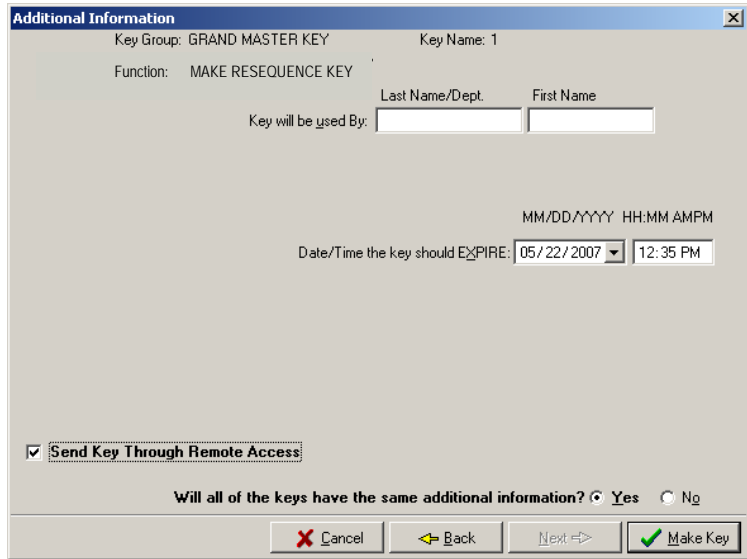
6. Select the Master key that you want to cancel.

7. Click on **Next** until you get to the window on the following page.

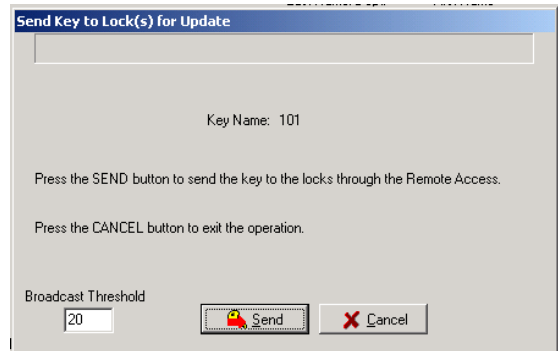
Section 4: Messenger Functions in System 6000™

Canceling All Master Keycards Using Messenger (continued)

- 8. Check the **Send Key Through Remote Access** box.
- 9. Then click on **Make Key**.



- 10. At this window, click on **Send** to send the key to the lock.



Section 4: Messenger Functions in System 6000™

Canceling Guestroom Keycards Using Messenger

1. To cancel Guest keycards, open the SAFLOK Client program. Enter your **User ID** and **Password** to log in.

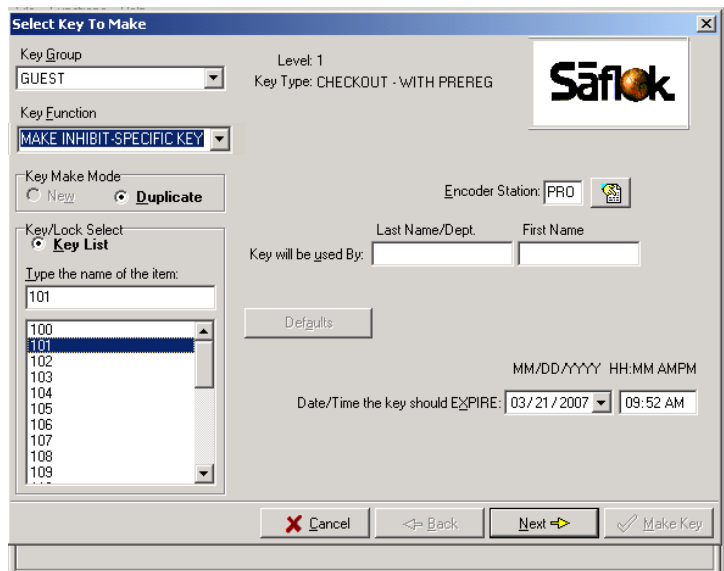


2. At the main window, click on the **Keys** tab.



3. Click on the **Make User Keys** button.

4. Select the key group of **Guest Keycards**.
5. Then change **Key Function** to **Inhibit Specific Key**.



6. Select the room number.

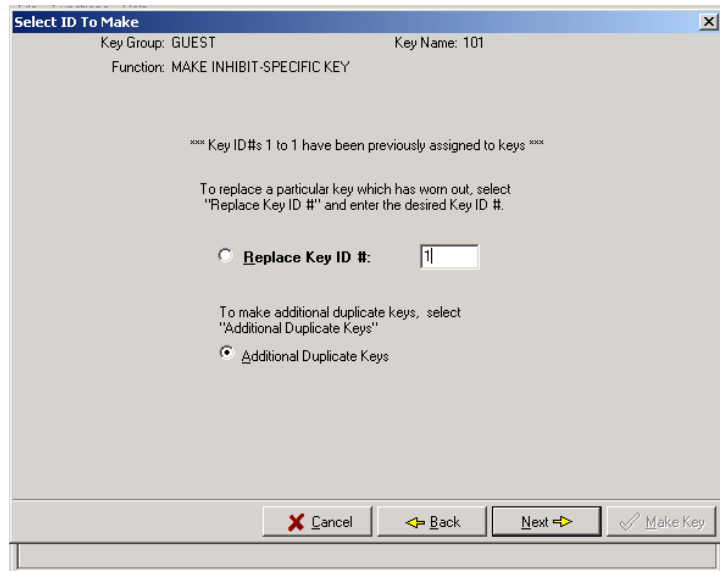
7. Click on **Next**.

Section 4: Messenger Functions in System 6000™

Canceling Guestroom Keycards Using Messenger (continued)

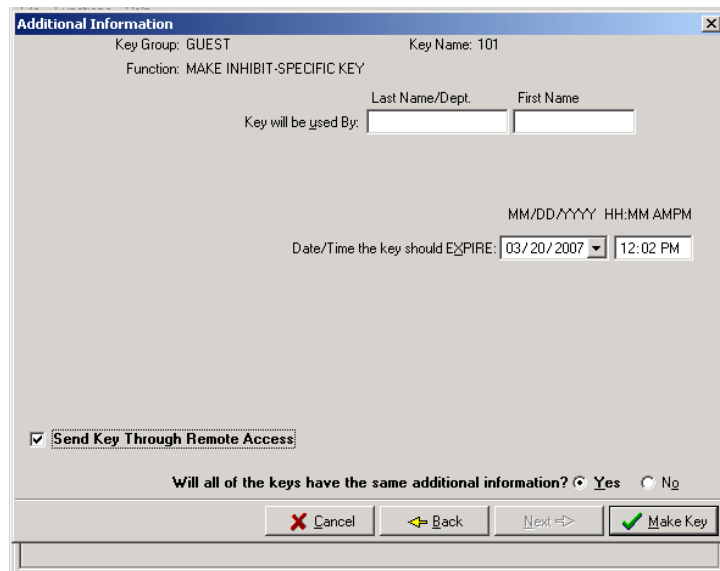
8. Click on **Additional Duplicate Keys** and enter the Key ID you want to cancel.

9. Click on **Next** until you get to the window below.



10. Make sure the **Send Key Through Remote Access** box is selected.

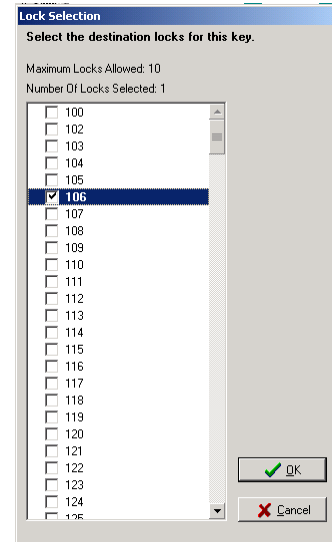
11. Then click on **Make Key**.



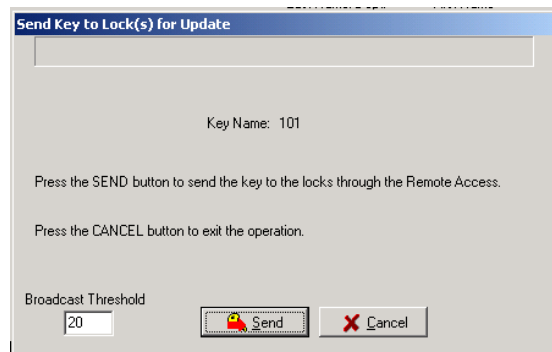
Section 4: Messenger Functions in System 6000™

Canceling Guestroom Keycards Using Messenger (continued)

12. Select the lock(s) in which the key will be used, then click on **OK**.



13. At this window, click on **Send** to send the key to the lock.



Section 4: Messenger Functions in System 6000™

Changing Guestroom Assignments

1. To change a guestroom assignment, open the SAFLOK Client program. Enter your **User ID** and **Password** to log in.

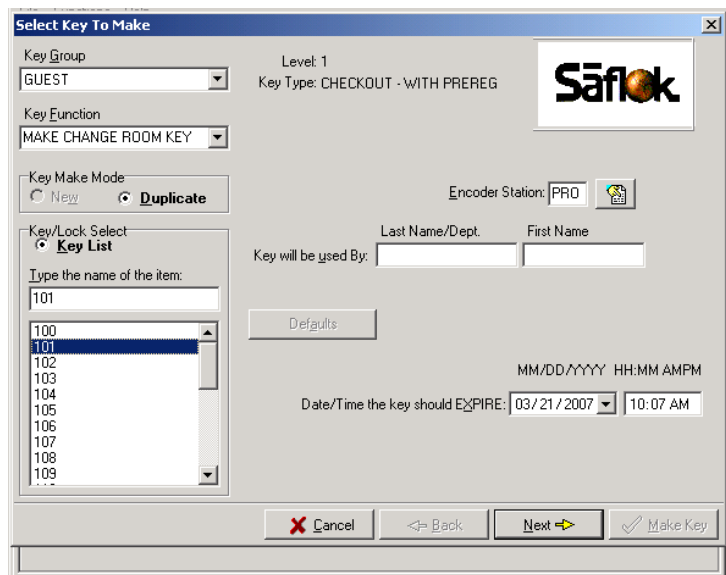


2. At the main window, click on the **Keys** tab.



3. Click on the **Make User Keys** button.

4. Select **Guest Keycards** from the **Key Group** menu.
5. Then from the **Key Function** menu select **Make Change Room Key**.
6. Select the current room the guest is staying in.



Section 4: Messenger Functions in System 6000™

Changing Guestroom Assignments (continued)

7. Click on **Next** until you get the window below.
8. Check on **Send Key Through Remote Access** then click on **Make Key**.

9. Select the lock(s) in which the key will be used, then click on **OK**.

10. Click on **Send** to transmit the key to the locks.

11. **Important:** You need to cancel out the old room by sending an Inhibit Level Key or the Inhibit Specific Key function. See page 31.

Section 4: Messenger Functions in System 6000™

Adding Additional Rooms to a Key

1. To add an additional room to a key, open the SAFLOK Client program. Enter your **User ID** and **Password** to log in.



2. At the main window, click on the **Keys** tab.

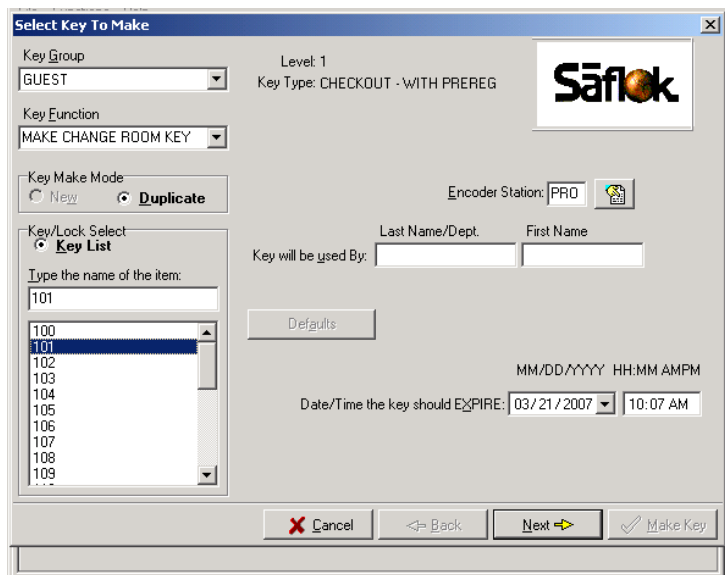


3. Click on the **Make User Keys** button.

4. Select **Guest Keycards** from the **Key Group** menu.

5. Then from the **Key Function** menu select **Make Change Room Key**.

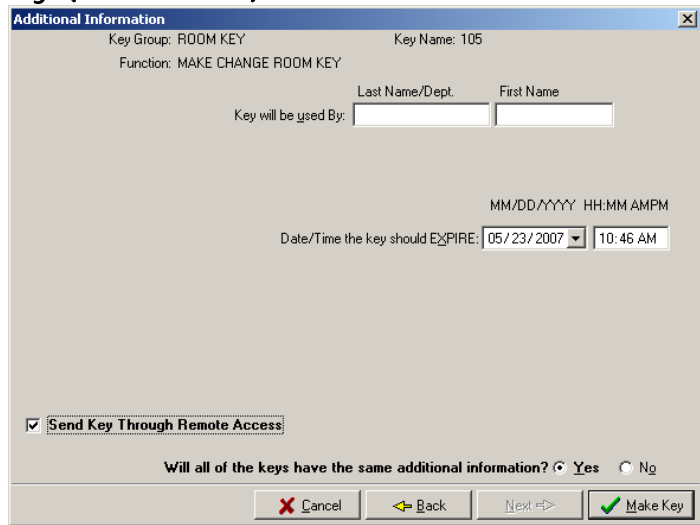
6. Select the current room the guest is staying in and click on **Next** until you get the window below.



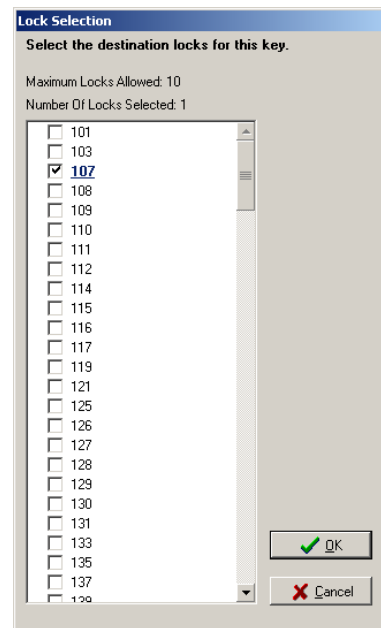
Section 4: Messenger Functions in System 6000™

Adding Additional Rooms to a Key (continued)

- 7. Check **Send Key Through Remote Access** then click on **Make Key**.

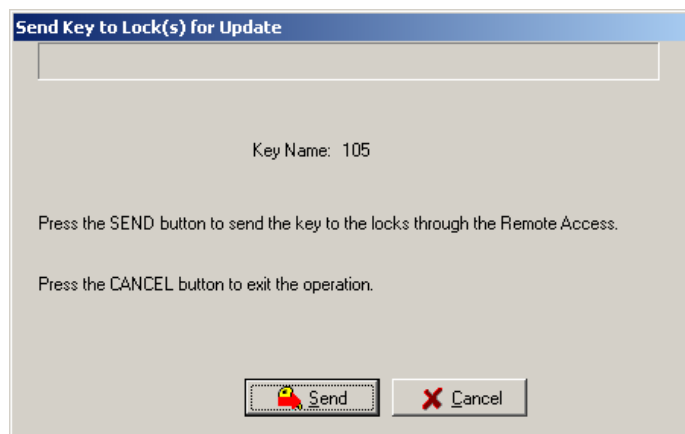


- 8. Click on the rooms you want to add the key to then click on **OK**.



- 9. If the information is correct and you are ready to send the key click on **Send**.

Note: If you send the keycards to the locks, current Guest keycards for that lock will be inhibited (cancelled).



Section 4: Messenger Functions in System 6000™

Sending Inhibit Keycards to the Locks to Inhibit All Guest Keycard in a Lock

1. To inhibit all Guest keycards in a particular lock, open the SAFLOK Client program. Enter your **User ID** and **Password** to log in.

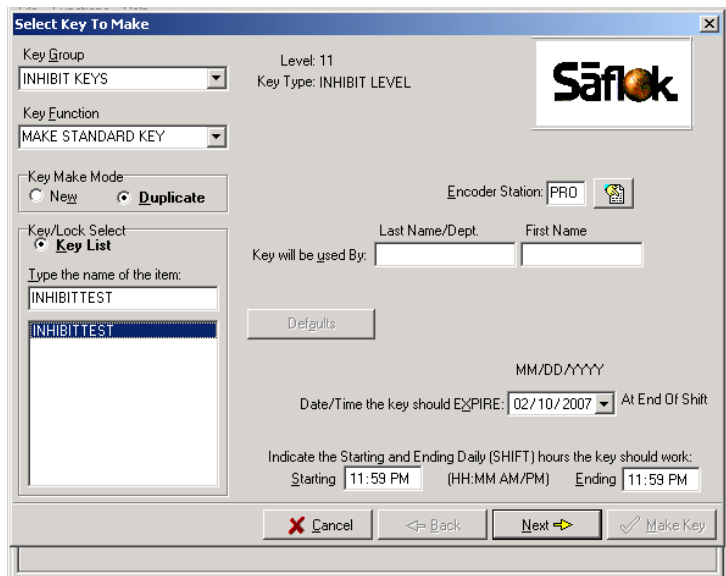


2. At the main window, click on the **Keys** tab.



3. Click on the **Make User Keys** button.

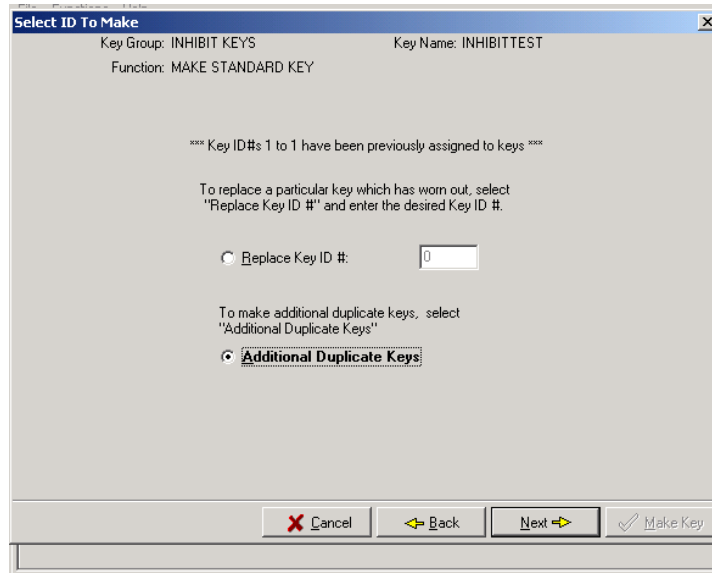
4. Change the Key Group to **Inhibit Key**.
5. Select **Duplicate** (you can only send duplicate keycards to locks through Remote Access and it logs Key ID 255 in the locks interrogation report.)
6. Then select the key to send (usually Inhibit).



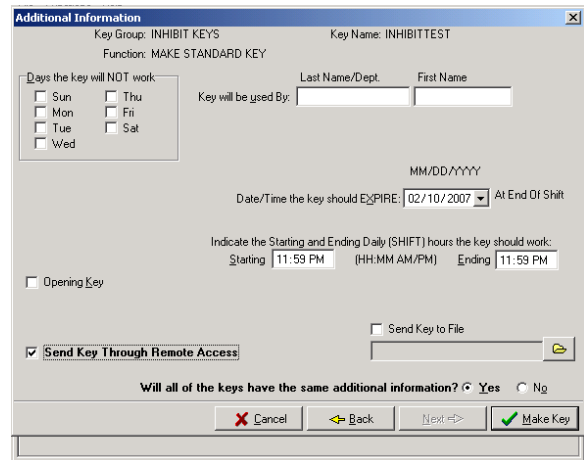
Section 4: Messenger Functions in System 6000™

Sending Inhibit Keycards to the Locks to Inhibit All Guest Keycard in a Lock (continued)

- 7. Select **Additional Duplicate Keys** and click **Next** to continue.



- 8. Select **Send Key Through Remote Access**, then click on **Make Key**.

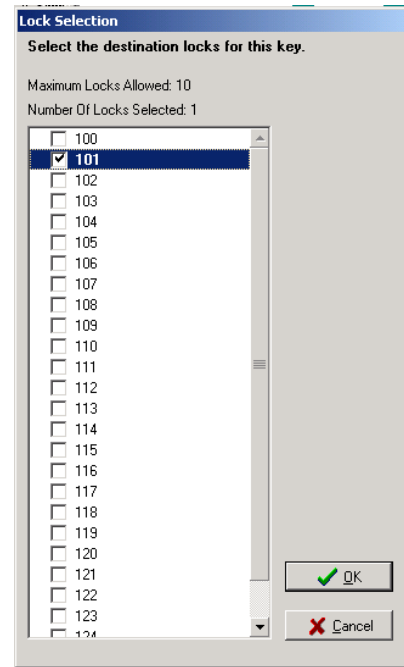


Section 4: Messenger Functions in System 6000™

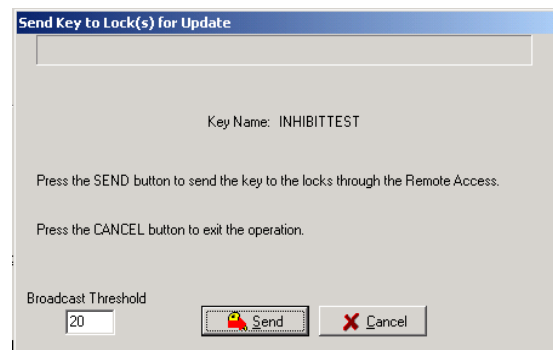
Sending Inhibit Keycards to the Locks to Inhibit All Guest Keycard in a Lock (continued)

9. Check the room number where you want to inhibit Guest keycards, then click on **OK**.

Note: Sending Inhibit keys to the lock(s) will inhibit all Guest-level keycards in that lock. To enable the keycards to be used in that lock again, you must send an Uninhibit key, following the same process used to send an Inhibit Key.



10. Click on **Send** when ready.



Section 4: Messenger Functions in System 6000™

Sending Electronic Lockout Keycards to Lock-out Keycard Access Through Messenger

1. To send an Electronic Lockout key, open the SAFLOK Client program. Enter your **User ID** and **Password** to log in.



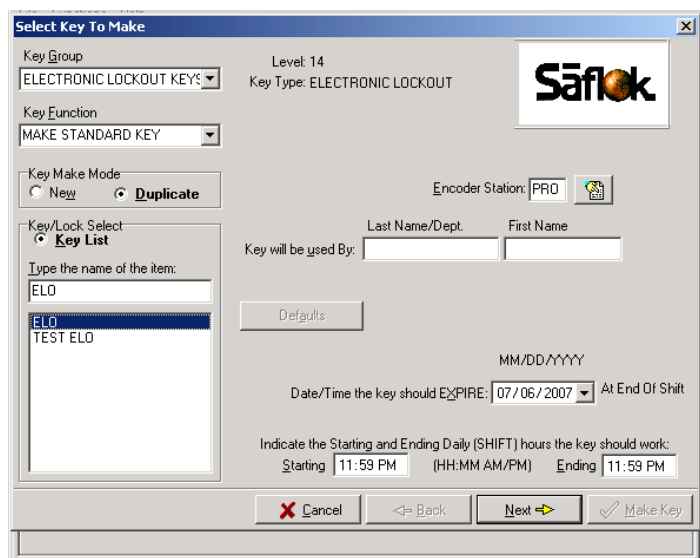
2. At the main window, click on the **Keys** tab.



3. Click on the **Make User Keys** button.

4. Change the Key Group to **Electronic Lockout Key**.

5. Select **Duplicate** (you can only send duplicate keycards to locks through Remote Access and it logs Key ID 255 in the locks interrogation report.)

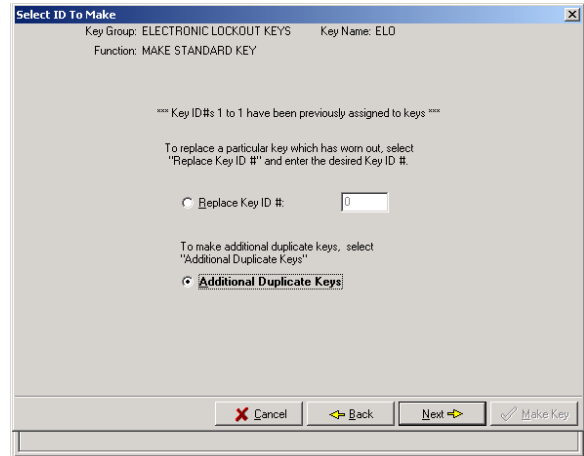


6. Then select the key to send (usually ELO) and click on **Next**.

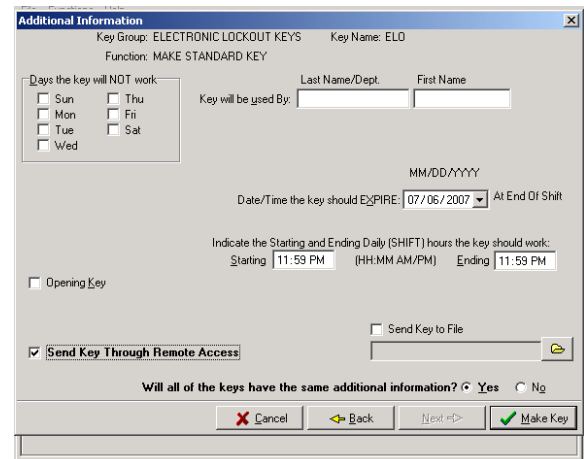
Section 4: Messenger Functions in System 6000™

Sending Electronic Lockout Keycards to Lock-out Keycard Access through Messenger (continued)

- 7. Select **Additional Duplicate Keys** and click on **Next** to continue.



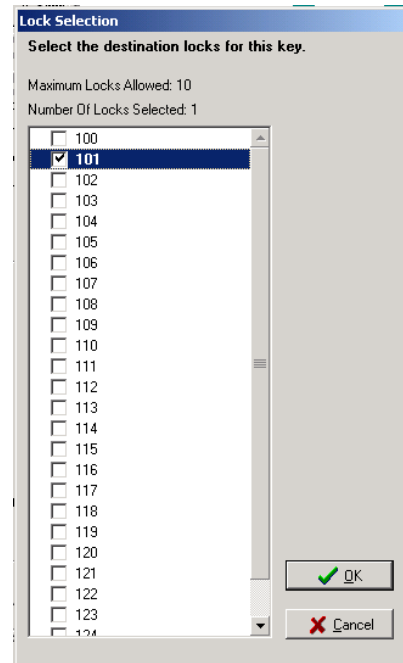
- 8. Select **Send Key Through Remote Access**, then click on **Make Key**.



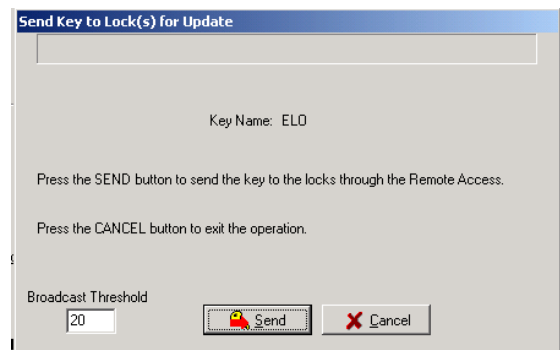
Section 4: Messenger Functions in System 6000™

Sending Electronic Lockout Keycards to Lock-out Keycard Access through Messenger (continued)

- 9. Check the room number that you want to lockout, then click on **OK**.
- 10. **Note:** Sending ELO keycards to the lock(s) will lockout all levels except the Emergency keycards.



- 11. Click on **Send** when ready.



Section 4: Messenger Functions in System 6000™

Interrogating Locks Through Messenger

1. Open the SAFLOK Client program. Enter your **User ID** and **Password** to log in.

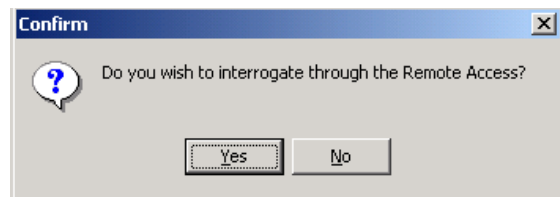


2. At the main window, click on the **Locks** tab.



3. Click on the **Interrogate Locks** button.

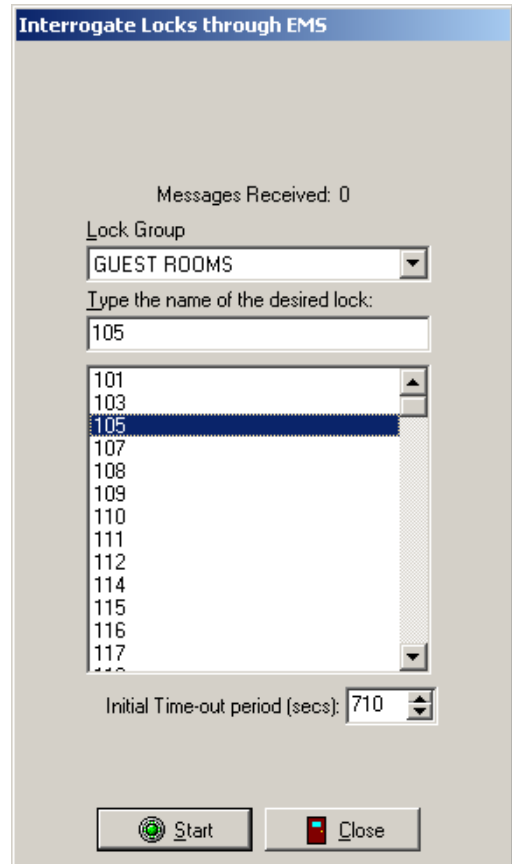
4. Click on **Yes** to interrogate the lock through the Remote Access.



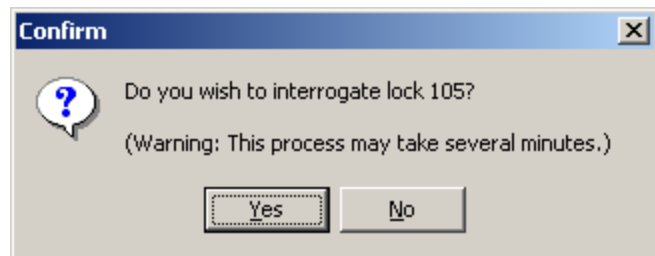
Section 4: Messenger Functions in System 6000™

Interrogating Locks Through Messenger (continued)

- 5. Type in or click on the room number that you want to interrogate. Click on the **Start** button.



- 6. Click on **Yes** to interrogate the locks.

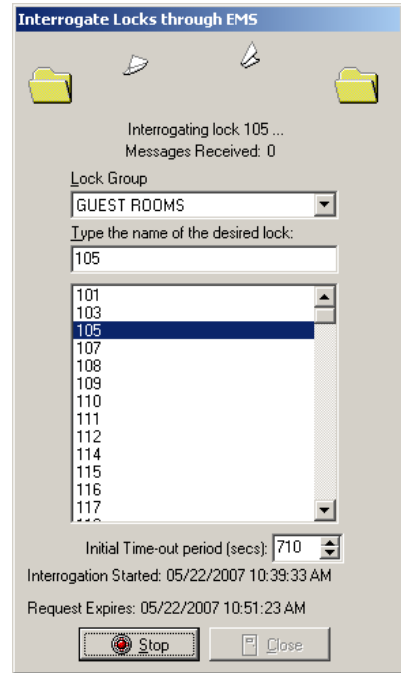


Section 4: Messenger Functions in System 6000™

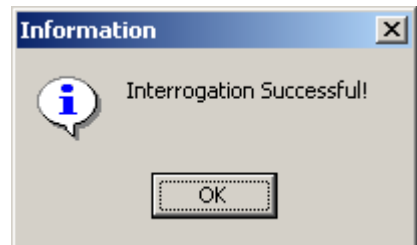
Interrogating Locks Through Messenger (continued)

- 7. Messages will start counting up. When complete, you will then get an **Interrogation Successful** message. Then click on **OK**.

Note: It can take up to ten minutes before the messages start coming in.



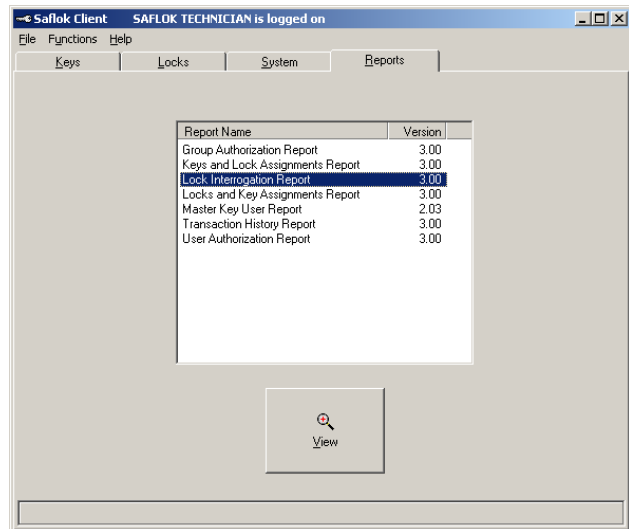
- 8. Click on **OK** at the Interrogation Successful PC dialog box.



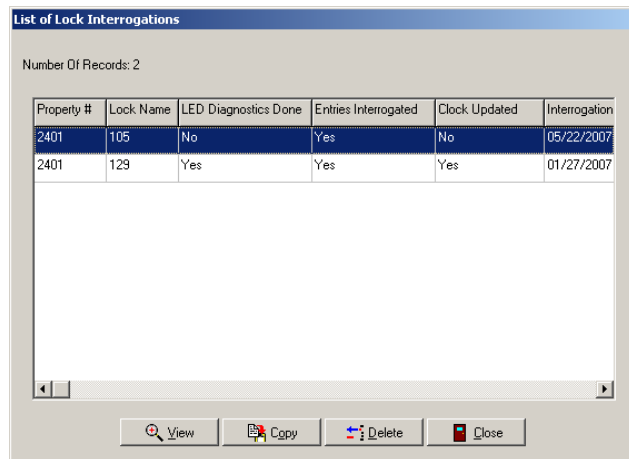
Section 4: Messenger Functions in System 6000™

Interrogating Locks Through Messenger (continued)

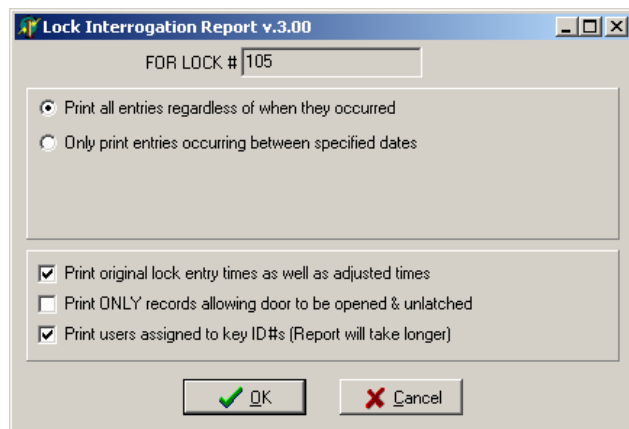
- To view the interrogation report, click on the **Reports** tab. Click on **Lock Interrogation Report**, then click on the **View** button.



- Select the lock that was interrogated and click on **View**.



- Select your viewing options and click on **OK**.



Section 4: Messenger Functions in System 6000™

Interrogating Locks Through Messenger (continued)

Interrogation Report Example

INTERROGATION REPORT FOR LOCK #		105	Interrogated 05/22/2007 10:41 AM
Lock Property #		Lock Software Version	Page 1 of 14

Report Date Format Used: mm/dd/yyyy (Note: * is used if data is unavailable)
 Report software version: W95 1.00/2002-06-28 15:10
 Hand-Held Interrogator software version: HH5 V- NOT DETERMINED
 Interrogation Method: REMOTE

LOCK STATUS AT TIME OF INTERROGATION
 Mode: 2 Property Prog'd Pattern Bad: No Checksum Bad: No Write Err: No
 - E2 is enabled
 - Invalid key shutdown is not in effect
 - Lock batteries are good
 - Locked/Unlocked Switch - OK
 - Key Switch is OK
 - Intended to be Locked
 - DST Change Info is set
 DST is standard local
 DST Starts 03/11/2007 02:00 AM, Ends 11/04/2007 02:00 AM
 - Lock's Clock doesn't require periodic resetting
 - Lock uses locked switches? Y Opening(knob) Switch? Y
 - Serial Port Communication: Sends? N Receives? N
 Lock's Clock Date & Time: 05/22/2007 10:37 AM DST
 Terminal's Clock Date & Time: 05/22/2007 10:41 AM DST
 Lock Date & Time DST Info was not updated after 1st interrogation.

LOCK IS CURRENTLY LATCHED

KEY USE & ENTRY RECORDS
 Dates & times for used/occur are adjusted to reflect terminal's date & time at the time of interrogation
 or before clock programming
 D or *S* after the date indicates times could not accurately be adjusted
 "a" after DST, STD, *D*, or *S* indicates an adjustment was made
 Possible users of keys are printed when names are available. Possible Users are those
 whose key had been made but not yet expired when the entry occurred.
 Multiple users indicate key users assigned to different key sequences.

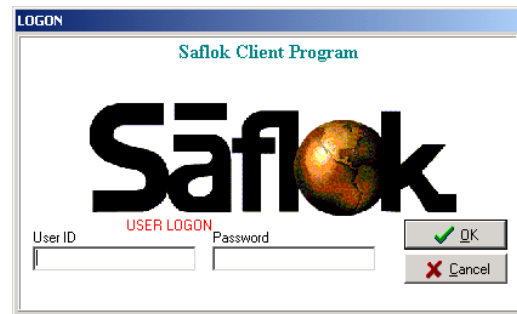
0001) LVL9 TYPE 0 : HOUSEKEEPING KEY ID#2 KEY #HOUSEKEEPING SS
 Entry Key Used On: 05/22/2007 09:48 AM DSTs Allowed to Open

Section 4: Messenger Functions in System 6000™

Making a Display Keycard

The Display key that applies to RF systems is the RF/IR Interface Test key. Using this key in an RF-enabled lock will cause a series of lights. Four green lights indicate that the lock is communicating. If you get any number of red lights, wait a few seconds and try again. If you still get red lights, refer to the troubleshooting section.

1. To make a Display key, open the SAFLOK Client program. Enter your **User ID** and **Password** to log in.



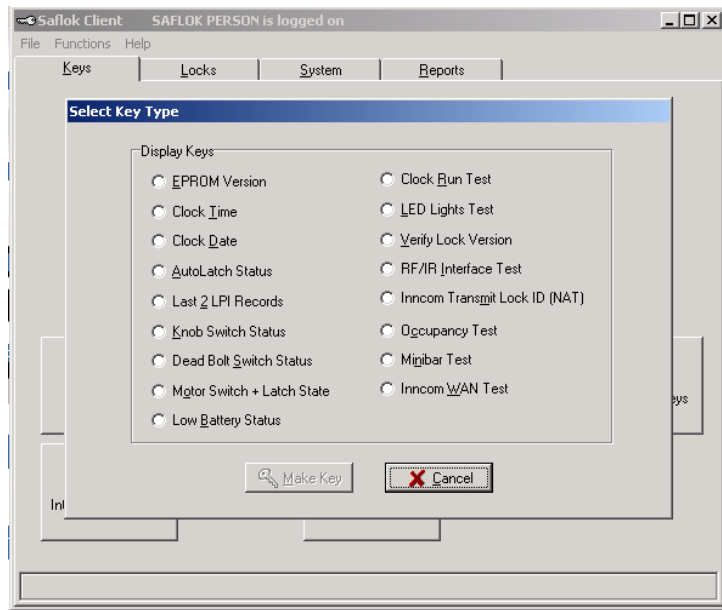
2. Click on **Make Display Keys**.



Section 4: Messenger Functions in System 6000™

Making a Display Keycard (continued)

3. Select **IR/RF Interface Test Key**.



4. Click on **Make a Key**.

When using the IR/RF Interface Test key to make sure the RF interface is working for that room, the lock will display a slow green light if the message is passed to the hub. If not, the lock will display a slow red light.

Section 4: Messenger Functions in System 6000™

Making a Status Keycard

The Status keycards that apply to the RF system are the Disable RF and Enable RF keycards. These keycards will disable or enable the RF board in the lock. The RF keycards DO NOT need the PPK keycards.

1. To make a Status key, open the SAFLOK Client program. Enter your **User ID** and **Password** to log in.



2. Click on **Make Status Keys**.

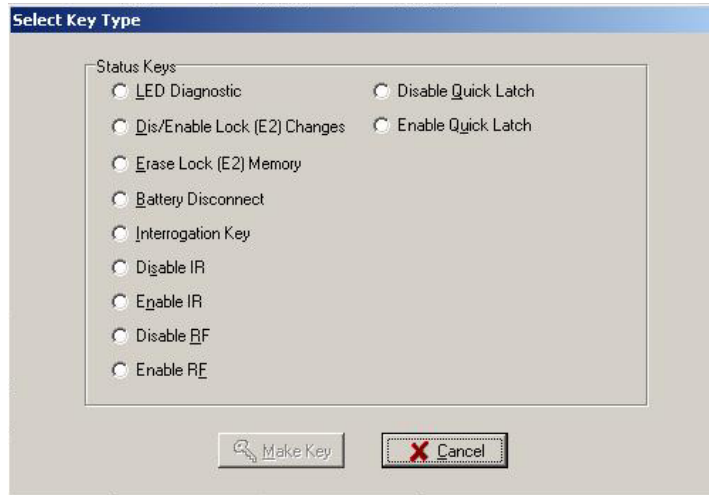


Section 4: Messenger Functions in System 6000™

Making a Status Keycard (continued)

3. Select **Enable RF** or **Disable RF**.

4. Click on **Make a Key**.



When disabling (by inserting the Disable RF key two times), the first insertion of the keycard causes the light indicators to display green twice and yellow three times. When the key is used again, the lights will display green twice, then red three times. When enabling the light indicators will always display green twice and yellow three times.

Section 5: Troubleshooting

RF/IR Interface Test Key and Light Indicators

Use the table below to diagnose Messenger communications errors using the RF/IR Interface Test key.

Indicator Lights	Explanation
Four green flashes (one per second)	The lock is communicating properly.
One red flash	RF board is bad, missing, or not plugged in. Check for a broken wire.
Two red flashes	Try the Test key again several times. If the problem persists, the RF board may be bad or a wire may be broken.
Nine red flashes	The lock is not receiving communication from the hub it is associated with. Use the Test key again. Try using the RF ON key to get the lock to associate with the hub. Make sure that all hubs in the area have power. If the hubs have power, you may need to replace the RF board in the lock.
Other responses or no lights	The lock may need to be reprogrammed at the factory. Contact Customer Service.

Note: If the RF/IR Interface Test key gives four green lights at the lock (indicating that the lock is communicating) but the keys do not appear on the server, be sure that the server is configured properly. Next, make sure that the Messenger Server software finds the hubs on the network.

If the hubs are not found, be sure that the routers/switches are functioning properly by examining the communication lights (opposite of the network connection end). If the green light is blinking, the hub is functioning properly. If the green light remains on or the hub stops operating, reset power to the hub. If the hub and router/switch are operating properly, the hub may require replacement.

System Protocol/FCC Requirements

In the United States, the Messenger® system uses a license-free, shared-space radio frequency bandwidth between 2.405GHz and 2.475GHz. The SAFLOK™ Messenger devices employ at least 16 different frequencies and avoid jamming and collisions in this “shared space.” All SAFLOK Messenger-equipped units will have the following label. Do not remove the label from the enclosures that it is attached to.

*Contains Transmitter Module FCC ID: SAPMESSENGER2GHZ
Contains Transmitter Module IC: 7078A-A28780, MODEL NO. A28780*

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by Computerized Security Systems, Inc. could void the user's authority to operate the equipment.
This product needs to be kept 20cm from the body due to RF exposure.

©2008 Pat pend Computerized Security Systems, Inc.

The transmitter module in each device shall have the following label. Use only products that bear this label and do not remove the label from the modules that it is attached to. Do not modify modules or attempt to service the module at any time. Part replacements shall only be done through Computerized Security Systems, Inc.

*Transmitter Module FCC ID: SAPMESSENGER2GHZ
IC: 7078A-A28780, MODEL NO. A28780*

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by {the party responsible for compliance} could void the user's authority to operate this equipment.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

To comply with FCC and IC RF radiation exposure limits for general population/uncontrolled exposure, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

Questions? Call Customer Service at 800.999.6213 and select option 3 or visit support.saflok.com.



For worldwide office locations and contact information, visit us at www.saflok.com.

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Manufactured under one or more of the following patents:
U.S.: 4,177,657; 4,411,144; 4,534,194; 4,890,870; 5,198,643;
5,477,041; 5,820,177; 5,986,564; 7,051,561; D494,841; D501,131
D512,899; D519,021; D531,629; D533,009; D533,047; D533,762;
D533,763; D535,629 CANADA: 1,252,854; 1,298,902
U.K. 2,010,375
Other U.S. and foreign patents pending

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