

Network RFID Encoder Installation and Operation Instructions



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Setting Up the Encoder

- 1. Connect the power cable to the encoder (located on the back of the unit, as shown in Fig. 1). Use a SAFLOK 12V DC power supply, part number 73763.
- 2. Connect the communication cable to the appropriate communication port on the back of the encoder Ethernet network (TCP/IP), DeskLinc serial port (RS232), or PC (USB).
- 3. Plug in SAFLOK power supply to an electrical outlet.
- 4. Refer to the appropriate section to complete the setup:
 - TCP/IP instructions (System 6000) page 4
 - Serial instructions (DeskLinc) page 7
 - USB instructions (System 6000) page 8

Fig. 1







Setup for TCP/IP Connection with System 6000

1. Logon to the CRS at any computer on the network, a TCP/IP encoder can be added from any CRS because it is not directly connected to the computer.



 Click the Settings tab then click the Add button under station ID assignments for entire SAFLOK system. Type in the Station ID#, the Port will default to 5264 and should not be changed. The encoder IP address will appear minus the last three digits. Type in the last three digits to assign the IP address to the encoder. Next, click the Advanced button.

om Reque File Help	st Server (MIKES)			
Status Se	ettings	computer		
	Machine Name: Station ID: Port: Encoder IP Address:	(NEW ENTRY) 1 5264 10743_192	✓ Test For Encode	rK ★ancel Advanced ►
7 DAN Time	HRH49 SAFLOK03 MIKES	1 100	10.173.3.44 10.175.3.52 10.7.43.53	
Autor	Add 🛐 Edit natic Logon Check	T Delete	C R	▼ efresh

 Type in the MAC Address. The MAC address is found on the bottom of the encoder. If the MAC address is not available, click Find All and the screen will display all the TCP/IP encoders connected to the network.

Com Request Server File Help	(MIKES)
Status Settings	Network Encoder Configuration
Station ID assignme Network Station Machi	MAC Address
s Encoder IF	5 Seconds To Listen Available network encoders
Z FIRE DAN SAFL Time MIKE	Advanced



Setup for TCP/IP Connection with System 6000 (continued)

4. When the MAC address appears on the screen **double click** on it and it will move it up to the MAC Address input line. Click **Configure** to send the information to the encoder.

5. When encoder receives the information the message above will appear. Click **OK**. Reset the power to the encoder for changes to take effect. Then click **Close**.

Network Encoder Configuration
MAC Address
090-C2-C0-5E-21
IP Address
10743192
5 Seconds To Listen
Available network encoders
0-90-C2-C0-5E-21*0.0.0.0*
😤 Eind All 🕅 Configure
Ready

twork	Encode	r Configuration	
MAC Ac	ldress		
090-0	C2-C0-58	E-21	
IP Addr	388		
107_	431	92	-
5	Saflo	k_crs	×
	Enco	der accepted con	mmand!
			1
			1
😤 Ein	d All	👸 Configure	e 🛛 🖹 Close

6. Click on **Test For Encoder** and the screen below will appear.

4		
.743192	🖌 🗸 Test For Enco	oder
		🗙 <u>C</u> a
	.743192	4



7. Click OK.



8. Click **OK** to add the Station ID to system.



9. Now the **Station ID** will appear in the assignments for the entire SAFLOK System and can be added or changed in the CRS at any computer on the network.

us Settin	gs							
tation ID a:	ssianment	ts for this com	puter					
Station ID	Port	Encoder Ba	ud L	.PI Baud	Driver Nan	ne		
Time	100	19200	1	9200	<none></none>			
7 5 Ad	d	📸 Edit	<u> </u>	lete				
<mark>≓ } ∆</mark> d ation ID as	d signment:	<u>₿ E</u> dit s for the entire e Name	<u>tring D</u> el Saflok Sy Port	lete ystem	'Address		_	
tation ID as itation ID	d signment Machin DEV10	S for the entire Name .7.43.192	<u> </u>	lete ystem IF	'Address).7.43.192			
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<mark>⊋ ∯</mark> <u>A</u> d ation ID as itation ID 0 5	d signment Machin DEV10 HRHS4 HRH45	Edit s for the entire e Name .7.43.192 AFLOK	★ Del Saflok Sy Port 5264 2 2 2	lete ystem IF 11 11 11	Address 0.7.43.192 0.173.1.25 0.173.3.32			
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tation ID as ation ID as attain ID 0 5 5 6 20 20	d Machin DEV10 HRHSA HRHS4 HRHS4 HRH42 HRH44	B Edit s for the entire e Name .7.43.192 AFLOK i AFLOK01 2	★ Del Saflok Sy Port 5264 2 2 1 1 1 1 1	lete	Address 0.7.43.192 0.173.1.25 0.173.3.32 0.173.3.20 0.173.3.29 0.173.3.31			



Setup for RS232 (serial) Connection with DeskLinc™

1. Connect the RS232 cable to the encoder (see Fig. 2) and the hand-held terminal. The thin 90-degree plug inserts into the top side of the hand-held terminal the other end plugs into the back of the encoder unit.





- 2. Plug the power supplies for the hand-held terminal and encoder into a wall socket.
- 3. Once the terminal's batteries tab have been removed and the power supplies for the hand-held terminal and encoder are connect to a wall socket, it will display the "Power Up" menu screen.



4. To start the program, simply press **ENTER**. The terminal should begin communicating with the encoder right away. If the terminal is communicating, the encoder's blue RS232 Link (LNK) light will be on solid. If this does not occur, reference your DeskLinc manual for troubleshooting. The terminal will display the Password or Sign On screen.



Setup for USB Connection with System 6000

1. Log on to the Com Request Server (CRS) at the computer the encoder will be attached to.

Note: The encoder can be added from only the CRS on the computer that the encoder is attached to because the encoder is directly connected to that computer.

2. Click the **Settings** tab, then click the **Add** button under "Station ID assignments for this computer".

- 3. At the Encoder Type PC dialog box, select **SAFLOK Proximity Encoder** and click on **OK**.
- 4. Enter the desired **Station ID** name or number.
- 5. Select the USB **Port** that the encoder is attached to.
- 6. At the Client Station Add-Mode PC dialog box, click **Test For Encoder**.
- 7. At the Device Test PC dialog box, click **OK** to continue.



Co	m Request	Serve	r (BLETOXPL)			
File Help						
6	Status					
F	Status Sounds					
	Station ID as	signmer	nts for this computer			
	Station ID	Port	Encoder Baud	LPI Baud	Driver Name	
	1	5	19200	19200		
	TIME	100	19200	19200		
	I					
		7 1 A	vdd 🕺	Edit	<u>tri D</u> elete	
	-Station ID as	signer	incoder Tyme			
	Chatian ID	lu -	neoder Type			
	1	BLE	⊢Select The	Encoder Type		
	LPI	AM	0.0.0.0			
	TIME	BLE	O Saflok E	ncoder		
			O Fargo P	rinter Encoder		
	Saflok Proximity Encoder					
	Automatia					
Ľ	Automatic	LUYO			🗸 ОК	
Sta	arted: 07/19/2	007 C				

Machine Name:	SAFLOK_WORKS	TAT	
Station ID:			
Port	USB 1	•	
		🖌 Test For	Encoder
		V Test For	Encoder

•	Device type "Encoder" found on port 2. DLL Version : ACR120U DLL 1.5.0.3
	Firmware Version: ACH1200, V2.20



Setup for USB Connection with System 6000 (continued)

8. Click **OK** to add the Station ID to system.



9. At this point, the contactless smart card encoder is installed. You may now set it to be the default encoder in the SAFLOK Client program (System tab, then terminal settings). The Station ID will appear in both "Station Assignments for this computer" and the "Station ID Assignments for the Entire System" sections in the CRS.

The encoder can now be accessed by any computer with the SAFLOK software installed if the PC is on, the user is logged in, and the CRS program is running.

🕶 Saflok Client S	AFLOK PERSON is logged on	
File Functions Help Keys	Locks System Reports	
	Terminal Settings	
	Encoder Station:	
	LPI Station:	
	<u>✓ QK</u> <u>C</u> ancel	
Contemporation State Sta	🖉 T Terminal Settings	🏹 System Settings



- 1. To encode a keycard, open the SAFLOK Client program. Enter your **User ID** and **Password** to log on, then click **OK**.
- 2. At the main screen, click on the **Keys** tab.

- 3. Click the appropriate **Make Keys** button (e.g., Make User Keys, Make Display Keys, etc.) for the keycard you are making.
- 4. Following the procedure to make a key, enter the appropriate information and make the appropriate selections.

- 5. At the Additional Information PC dialog box, click **Make Key**.
- 6. Place the RFID credential on the RFID encoder.
 - If properly encoded, the green OK light will flash, indicating readiness to encode another credential.

If not properly encoded, the red ERROR light will illuminate and the computer screen will display an error message. Follow the screen prompts and attempt to encode the credential again.





Make Display Ke

Make P

ake User Kev

Saflok Client Program

Additional Information		X
Key Group: GUEST	Key Name: 10	1
Function: MAKE INHIE	IT-SPECIFIC KEY	
Ke	Last Name/Dept. y will be <u>u</u> sed By:	First Name
		MM/DD/YYYY HH:MM AMPM
	Date/Time the key should EXPIRE	03/20/2007 💌 12:02 PM
Will all of the	e keys have the same additional ir	formation? ⓒ Yes 🔿 No
	Cancel 🔶 Back	<u>N</u> ext => Make Key



💡 Make Status Keys

ហ

Interrogating a Keycard or Credential

1. To interrogate a keycard, open the SAFLOK Client program. Enter your **User ID** and **Password** to log on, then click **OK**.



2. At the main screen, click the Keys tab.



- 3. Click the Interrogate User Key button.
- 4. Click **Yes** if you would like to read log records off a Staff keycard.



5. Place the RFID credential on the RFID encoder when prompted by the system.

Read A Key	
	INSERT KEYCARD INTO ENCODER
	TO BE READ
	Cancel



Interrogating a RFID Keycard (continued)

6. The Information About the Key Read PC dialog box will appear. To view or print the report, click **Report**.

GUEST KEYS	# 201,	ID #193				
Кеу Туре:	GUEST KEY					
Sequence Status:	OLD KEY					
Key ID Assigned To:	(UNKNOWN)					
Key ID# 193 Has the following c	apabilities and restrictions:					
- Can Key Open The Door?	Yes					
- New Key Sequence/Check In:	06/25/2007 11:55 AM					
- Checkout Date And Time:	06/26/2008 02:00 PM					
 Key Expires In Locks: 	06/26/2008 04:00 PM					
- Shift Hours:	All Day					
 Invalid Days Of The Week: 	None					
- Pass Areas:						
BELL CLOSET - LVL1						
H DHEIMERS CENTED 11/1 1						
Checkout Date And Time: Key Expires In Locks: Shift Hours: Invalid Days Of The Week: Pass Areas: BELL CLOSET - LVL1 LIDUSINESS CENTED. LVI 1	06/26/2008 02:00 PM 06/26/2008 04:00 PM All Day None					

7. Check the box if you would like to see only locks that allowed the key to open the door. Click **OK** to proceed.

<u> </u>
X Cancel

8. Select the **Report Destination** and **Options**. Click **OK** to continue.

4

elected Printer HP Mobile Printing PS	
Report Destination	OK
• Pre <u>v</u> iew	Cancel
Format: Rave Snapshot File	<u>S</u> etup



Interrogating a RFID Keycard (continued)

Key Interrogation Report Example

Report F	Preview										
Page ;	<u>z</u> oom <u>H</u> elp										
8		I Page 1	of 1 🔍	3 🖪 🗎	Zoom 100.0 %						
KEY Repor	INTERROG t Date Format	ATION REPO Used: mm/dd/yy	RT yy							Page 1	of 1
		G	UEST KE	YS - KEY #	201 - ID#: 193	- GUE	STKEY				
- Key ID was assigned to:				(UNKNOWN)							
- Can k - New I - Key e - Shift I - Invali BEEE J&J B STATU LET O	ey open the d vey sequence/or xpires in locks nours: d days of the v d (1998ET - LVI USINESS CEN S INFORMAT PEN?: = RPDP	por? check in: veek: _1 ITER - LVL 1 ION Indicates if the key wa	he key alk	Yes OLD KEY 06/26/2008 0 All Day None	4:00 PM	ur code i	s lonnar	1 Rofe	rto		
TIME SET2: Indicatos if the lock			xplanation	below. tate & time w	as set when the	kev wa	s used	If No. t	he		
lock's clock needs		needs to b	pe reprogrami	ned.	ney ne						
DEAD BLT?: Indicates if the dea		he dead bo	d bolt or privacy button was active when the key was used.								
LOW BAT?: Indicates if the loc		he lock's b	's batteries were low and needed changing.								
LOCK PROB?: Indicates if t		s if the motorized lock was not relatching properly and needs service.									
LOCK LTCHD?: Indicates if the th used) vs unlatch		he the lock latched (no	 lock was supposed to be latched (only unlatches when key is d (no keys required to open door). 								
NEW KEY?: Indicates if the			he lock sto	ored the key a	s a new key.						
KEY USE	LOCK#	LET OPEN?	DIAG ERROR	LOCK DATE WHEN KEY	& TIME WAS USED	TIME SET?	DEAD BLT?	LOW BAT?	LOCK PROB?	LOCK LTCHD?	NEW KEY?
1	201	Yes	0	07/23/2007	02-20 PM STD	Ma	No	Ma	No	V	h1-

Class A Digital Device

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequently energy, and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.





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Other U.S. and foreign patents pending

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