



**INSTALLATION**  
**&**  
**PROGRAMMING**  
**INSTRUCTIONS**

*for safes with*  
**AUDITLOK® XLV ELECTRONICS**

©2003-2006 FireKing® Security Group  
NKL® AuditLok® and FireKing® are registered trademarks of FireKing® Security Group.  
NKL® is a member of FireKing® Security Group

## I. SITE PREPARATION

Before installing, make sure there is adequate clearance for the body and base of the safe as well as proper electrical power.

### A. SPACE REQUIREMENTS



Space must be provided for mounting the safe, plus base (if used), plus required air gaps for access. Side space is required in order to allow access to critical rear-mounted connection. Swing clearance is required to allow full access to the interior.

- Clear Opening: 4 Inch Side Clearance (Hinge Side)
- Clear Opening: 6 Inches Rear Clearance
- 170° Door Swing Clearance
- Body and Base Height Clearance

### B. POWER REQUIREMENTS



A dedicated NEMA 15 amp 115 V<sub>AC</sub> grounded outlet must be provided within 6 feet of the hinge side of the safe, or an NKL approved UPS (uninterruptable Power Supply). The unit may share its AC circuit with other point of sale electronic equipment, but must not be on the same circuit as rotating machinery such as a cooler or other refrigeration equipment.

- Dedicated Standard 115 V<sub>AC</sub> Grounded Outlet
- No Rotating or Heavy Loads on AC Circuit
- Outlet Within Six Feet of Hinge Side
- Do NOT Connect Other Loads to the Safe's Surge Protector.
- Use 24 V<sub>AC</sub> power supplies with MARS validators, 12 V<sub>DC</sub> power supplies with JCM validators, and 9 V<sub>DC</sub> power supplies with EPR panels. Using an incorrect aux power supply will cause component failure.



### C. WARNINGS

The following items are critical to safety, security and proper operation of the completed installation.

- Do not touch exposed electronics.
- Service should only be provided by authorized personnel.
- The use of a grounding strap is required when in contact with internal electronic components to prevent damage to components.
- Follow all installation and programming procedures carefully.
- Do not attempt to enroll any users on the safe until all programming is complete.
- The data bus between remote units must be connected to the controller unit in the same order at the time of initial configuration as at final installation.



### D. READ AHEAD

There are many variables involved in installation. It is critical that you read ahead so that you are prepared for upcoming steps.

- In order to ensure success please read this document completely before beginning.
- Some programming may be required before safe doors can be opened.
- There may be multiple units involved, some with bases, there may be remote display panels, and you may want to prepare the system in a staging area before final delivery and bolt-down.
- Follow all installation and programming procedures carefully!
- **Installation is not complete until the safe(s) are bolted down and all system and component configuration is complete.**

## II. INSTALLATION

The base, if used, must be installed first. Before proceeding, make sure the space and power requirements are met for the mounting location. Once the base is fully installed, the safe is placed in position and bolted to the base.

### A. UNPACKING

1. Remove wrapping material from the safe.
2. Locate the power supply that comes with the safe. Unwrap the power supply.
3. On the back panel, connect the power supply cable to the power supply jack.
4. Plug the standard grounded power plug into a standard 115 V<sub>AC</sub> outlet.
5. If a base is supplied with the safe, set it aside until you are ready to mount it.
6. Before going to the next step, determine whether the safe is a “C” unit or an “R” unit. If you are not sure, the “C” unit will have an alarm cable hanging from the rear of the safe and “R” units will not.
7. Unpack and setup the printer. Connect the printer to the “C” unit printer jack using the printer cable supplied.
8. Validating safes require a second power supply to operate the validators. This additional power supply is normally stored inside the safe for shipment. After opening the safe (section B or section F) remove this power supply and connect it before using the validators. Be sure to connect the validator power supply (24 V<sub>AC</sub> for MARS or 12 V<sub>DC</sub> for JCM) to the Aux Power input on the validator safe (never connect it to an EPR).
9. If there are multiple safes, repeat steps 1 to 6 above for each safe.

**B. REMOVE “C” UNIT SAFE FROM THE PALLET**

1. “C” Units with installed display: Looking at the display, wait for the display electronics to stabilize (about 60 seconds).

2. “C” Units with external display: Unpackage and connect the remote display. Use a standard RJ45-RJ45 cable connected from DATA1 on the safe to DATA1 on the display. Connect power (9 V<sub>DC</sub> ONLY) to the remote display. Wait for the display electronics to stabilize (about 60 seconds).



3. Press “0” for the User Number, then press “ENTER.”



4. Enter “1536” as the PIN for User Number 0.



5. Press the “DOORS” button.



6. When prompted whether to remove cash, select NO.



7. Select the name of the outer door lock when prompted (if long numbers appear instead of door names, select the first item listed).



8. If there is a delay, repeat steps 3 through 7 when the delay ends.



9. Open the safe door.

10. Remove and set aside the contents of the safe which may include any of the following: manuals and documentation, shelf and shelf clips, power strip, printer, tubes, validator power supply, grout kit with anchoring hardware, or other items.

11. Unbolt the safe from the pallet by removing the four 5/8 inch lag bolts. *Note: If the safe door remains open for more than a few minutes, it will sound an audible alarm. Remove power to silence the alarm while you are working.*



**C. CHECK DEVICE INVENTORY**

1. Press “0” and press “ENTER.”



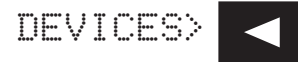
2. Enter “1536” as the PIN for User Number 0.



3. Press “PGRM.”



4. Select “DEVICES”



5. Scroll (if necessary) the device list to view the units.



a. If the “C” unit is the only unit listed, you must add the “R” unit(s) and set Fire Time before the door may be opened and the safe removed from the pallet.

b. If the “R” unit(s) you are installing are already listed, skip ahead to section E: Connecting Data to Pre-Configured “R” Units.

**D. ADD “R” UNIT TO DEVICE INVENTORY AND SET FIRE TIME**

1. Position the “R” unit physically close to the “C” unit.
2. Ensure that the data cable will reach from the rear of the “R” unit, but do not connect it to both units.
3. Press “0” and press “ENTER.”



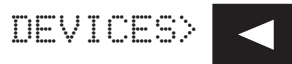
4. Enter “1536” as the PIN for User Number 0.



5. Press “PGRM.”



6. Select “DEVICES.”



7. Select “ADD.”



8. While the display says “ADD DEVICE NOW” connect the data cable between the “C” unit and the “R” unit. *After the first “R” unit, connect the data cable from the new “R” unit and the last “R” unit in the daisy chain. You MUST use the six foot extension cable with female-female connector on every “R” unit such that the connector is easily accessible for service.*

ADD DEVICE NOW

9. As soon as the data cable connects, the display should go back to the device list and the “R” unit should be listed. Note that if there is more than one “R” unit you must scroll down to check the complete device list. *If the “R” unit cannot be found on the device list contact NKL Technical Support (1-800-452-4655).*

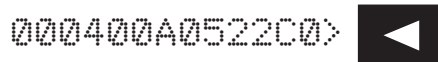


10. Select the new “R” unit from the device list.

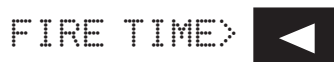
11. On the component list select “LOCKS.”



12. Select the lock (there will only be one listed unless the unit has an inner compartment). *The lock may be listed by its serial number rather than name.*



13. Scroll down the list of lock parameters and select “FIRE TIME.”



14. Set the lock fire time by entering a time value (minutes) specified by the store manager or setup instructions (if available). If no guidance is provided, enter a value of 15 minutes. *The fire time must be greater than zero.*

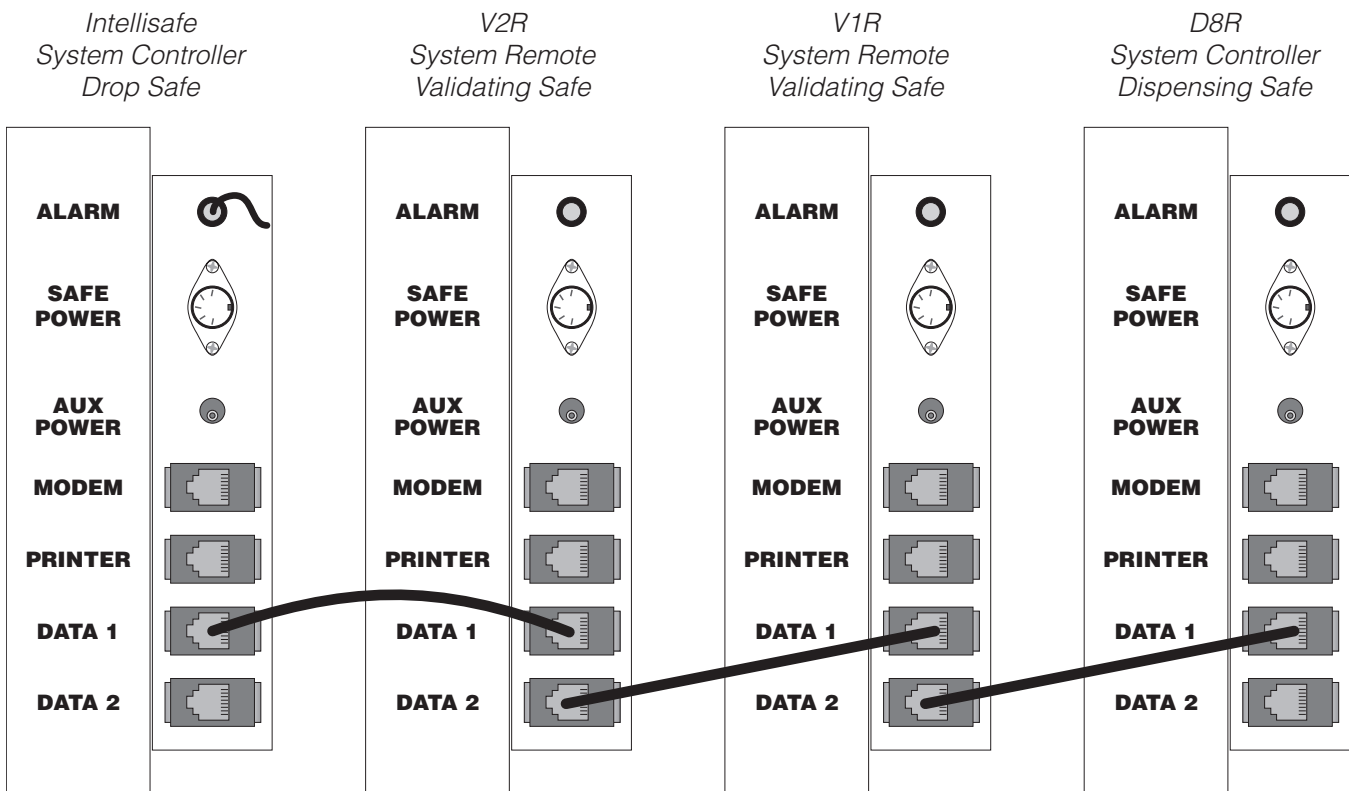


15. Repeat steps 1 to 14 for each additional “R” unit.

16. Skip ahead to Section F: Remove “R” Unit Safe From the Pallet.

### E. CONNECTING DATA TO PRE-CONFIGURED “R” UNITS

1. Position the “R” unit physically close to the “C” unit.
2. Ensure that the data cable will reach from the rear of the “R” unit.
3. Connect the data cable between the “C” unit and the “R” unit.
4. If there are more “R” units, continue daisy-chain type data connections until all pre-configured “R” units are connected.



Data Bus Connection Example

**F. REMOVE “R” UNIT SAFE FROM THE PALLET**

- 1. Press “0” for the User Number, then press “ENTER.”



- 2. Enter “1536” as the PIN for User Number 0.



- 3. Press the “DOORS” button.



- 4. When prompted whether to remove cash, select NO.



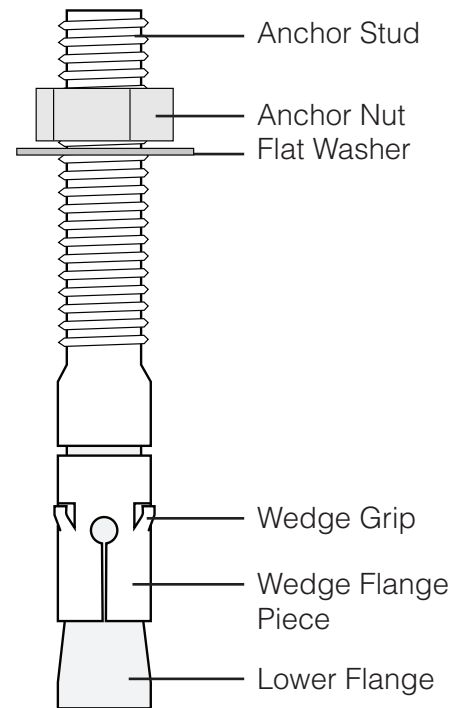
- 5. Select the name of the safe to open.
- 6. If there is a delay, repeat steps 1 through 5 when the delay ends.
- 7. Turn and release the fire switch (or press the fire button) on the “R” unit, then immediately turn the handle and open the safe door.
- 8. Remove and set aside the contents of the safe which may include any of the following: manuals and documentation, shelf and shelf clips, power strip, tubes, validator power supply, grout kit with anchoring hardware, or other items.
- 9. Unbolt the safe from the pallet by removing the four 5/8 inch lag bolts. *Note: If the safe door remains open for more than a few minutes, it will sound an audible alarm. Remove power from the “C” unit to silence the alarm.*



## G. INSTALLATION OF SAFE WITHOUT BASE

Perform this step for only the safe(s) that do not include a base.

1. Obtain the anchor kit from inside each safe.
2. Position the safe in the installation location.
3. Using a pencil, mark the mounting hole locations on the floor.
4. Remove the base/safe and set aside.
5. Drill four 1/2 inch holes to a depth of 3 inches. The holes must be clean. Use a vacuum to clean the holes. *Do not use water to clean the holes.*
6. Position the safe so that the bolt-holes align with the holes drilled in the floor. While doing so, feed the power supply cable and alarm cable through cabinet openings (if applicable) for routing access.
7. Drive each anchor wedge in until 1/4 inch to 1 inch of the top protrude through the floor of the safe.
8. Slide the washers down over each anchor wedge.
9. Put the nuts on each anchor wedge by hand until finger tight. Turn approximately three to four full turns by wrench to complete the tightening.
10. Connect and/or route other cables from the rear of the safe in preparation for placing the safe in its final position. This may include printer cable, aux power cable (such as for a validator power supply), alarm wires, and the data cable.
11. When connecting the data cable, use the short cable provided with the "R" unit and the double-female RJ-45 connector. The double-ended connector should be mounted under the counter or somewhere which is accessible and out of the way for ease of service.
12. Move the safe into position. While doing so, feed the power supply cable and alarm connection through cabinet openings (if applicable) for routing access.
13. Make sure that the safe power supply is plugged into the surge protector and that it is plugged into the designated outlet. The power supply and cable connections should be accessible. Check that the safe has power.
14. Secure the power cord with the clip provided. Secure the alarm wire with second clip.
15. Install printer, modem and alarm wiring as needed.
16. Proceed with system programming.

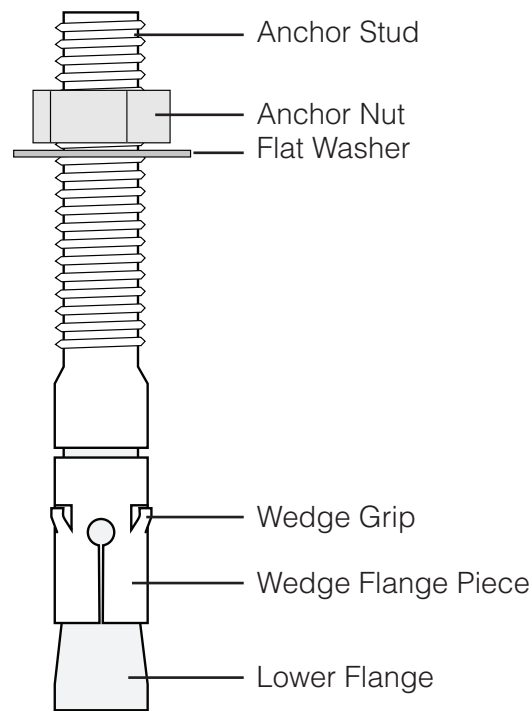


Anchor Wedge

**H. INSTALLATION OF BASE**

Use this procedure to install the bases for each safe that is installed on a base.

1. Remove any packing material from the base.
2. Obtain the anchor kit from inside each safe.
3. Position the base in the installation location.
4. Using a pencil, mark the mounting hole locations on the floor.
5. Remove the base and set aside.
6. Drill four 1/2 inch holes to a depth of 3 inches. The holes must be clean. Use a vacuum to clean the holes. *Do not use water to clean the holes.*
7. Position the base, carefully aligning the mounting holes.
8. Drive each anchor wedge in until 1/4 inch to 1 inch of the top protrude through the floor of the base.
9. Slide the washers down over each anchor wedge.
10. Put the nuts on each anchor wedge by hand until finger tight. Turn approximately three to four full turns by wrench to complete the tightening.



Anchor Wedge

**I. SAFE INSTALLATION ON BASE**

*Use this procedure if the safe is being installed on a base per Step H.*

1. Connect the power supply to the power supply jack at the rear of the safe.
2. Connect and/or route other cables from the rear of the safe in preparation for placing the safe in its final position. This may include printer cable, aux power cable (such as for a validator power supply), alarm wires, and the data cable.
3. When connecting the data cable, use the short cable provided with the "R" unit and the double-female RJ-45 connector. The double-ended connector should be mounted under the counter or somewhere which is accessible and out of the way for ease of service.
4. Move the safe onto the base. While doing so, feed the power supply cable and alarm connection through cabinet openings (if applicable) for routing access.
5. Make sure that the safe power supply is plugged into the surge protector and that it is plugged into the designated outlet. The power supply and cable connections should be accessible. Check that the safe has power.
6. Secure the power cord with the clip provided. Secure the alarm wire with second clip.
7. Install printer, modem and alarm wiring as needed.
8. Using the threaded bolts provided, bolt the safe to the base.
9. Proceed with system programming.

**III. PRE-PROGRAMMING QUESTIONNAIRE**

Many settings are site and business specific. This means that you must obtain some setup information from store management (if possible). In some cases the safe(s) may be pre-programmed from the factory with timelocks, time delays, and other parameters specified by corporate loss prevention managers. If such settings are already programmed, do not change these settings. Otherwise, complete the following questionnaire with the senior manager on site before continuing with programming:

**A. BUSINESS RELATED**

Name of Business \_\_\_\_\_  
15 CHARACTER ALPHA-NUMERIC

Store Number \_\_\_\_\_  
15 CHARACTER ALPHA-NUMERIC

Bank Account Number \_\_\_\_\_  
15 CHARACTER ALPHA-NUMERIC

Time Period to "Close Business Day" \_\_\_\_\_  
START AND END OF PERIOD TIMES

Autorun End Day Report? YES or NO \_\_\_\_\_  
SPECIFY START TIME

Use electronic keys? If so, who (what levels)? \_\_\_\_\_

How often to require PIN change? \_\_\_\_\_  
000 = NEVER, UP TO 255 DAYS

How long unused before auto deleted? \_\_\_\_\_  
000 = NEVER, UP TO 255 DAYS

**B. MANUAL DROP SAFE**

Manual drop (inner door) delay \_\_\_\_\_  
00 = NONE, UP TO 99 MINUTES

Manual drop (inner door) timelock \_\_\_\_\_  
SPECIFY ACCESSIBLE PERIOD(S)

Outer door delay \_\_\_\_\_  
00 = NONE, UP TO 99 MINUTES

Outer door timelock \_\_\_\_\_  
SPECIFY ACCESSIBLE PERIOD(S)

Remote door activation (fire) time \_\_\_\_\_  
ALL REMOTE DOOR FIRE TIMES MUST BE SET THE SAME

**C. VENDING**

Column Values

COLUMN	1	2	3	4	5	6	7	8
--------	---	---	---	---	---	---	---	---

\$ \_\_\_\_\_

Till Columns:	1	2	3	4	5	6	7	8
---------------	---	---	---	---	---	---	---	---

Vend Delay \_\_\_\_\_  
00 = NONE, UP TO 99 MINUTES

Unload Delay \_\_\_\_\_  
00 = NONE, UP TO 99 MINUTES

**D. VALIDATORS**

Validator safe door delay \_\_\_\_\_  
ALL MUST BE THE SAME

Validator safe door timelock \_\_\_\_\_  
ALL MUST BE THE SAME

Remote door activation (fire) time \_\_\_\_\_  
ALL MUST BE THE SAME

Validator Cash Names \_\_\_\_\_  
15 CHARACTER ALPHA-NUMERIC

\_\_\_\_\_  
Cashes removed by Armor Car \_\_\_\_\_  
\_\_\_\_\_

**E. SPECIAL/OPTIONAL**

5. Special/Optional Group Definitions \_\_\_\_\_  
\_\_\_\_\_

Variable Vend Delays

Delay 1 \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Delay 2 \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Delay 3 \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Special Instructions: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## IV. CONFIGURATION PROGRAMMING

This section applies to all Controller and Remote safes using AuditLok XLV electronics. D8X units are not programmable (refer to the D8X Operator’s Manual for final setup instructions). Depending on the situation, it may be desirable to perform all configuration programming prior to unbolting safes from their pallets and installing. Note that until the first user key is enrolled, the master administration code is USER 0 with PIN 1536.

### A. TIME/DATE

1. At the idle screen check the time and date. If correct, skip ahead to section B.
2. Press “0” and press “ENTER.”
4. Enter “1536” as the PIN for User Number 0.
5. Press “PGRM.”
6. Select “TIME/DATE.”
7. Select “TIME.”
8. Enter the correct time (24-hour format).
9. Select “DATE.”
10. Enter the correct date (MMDDYY format).
11. Press “ESC” to return to the idle screen to verify time and date information.



16:45



052404



**B. SITE**

1. The following are system level settings that are location specific. Refer to Section III Pre-Programming Questionnaire for setting values.

2. Press "0" and press "ENTER."



4. Enter "1536" as the PIN for User Number 0.



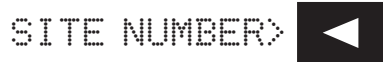
5. Press "PGRM."



6. Select "SITE."



7. Select "SITE NUMBER."

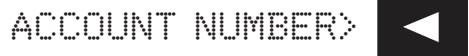


8. Enter the store number (15 character alphanumeric). Use the upper right selector arrow buttons to scroll characters (enter numbers directly using the number pad) and use the upper left scroll arrow buttons to move across the field. Press ENTER when done.

XYZ-1234



9. Select "ACCOUNT NUMBER."



10. Enter the bank account number (15 character alphanumeric) for deposits from the safe. Use the upper right selector arrow buttons to scroll characters (enter numbers directly using the number pad) and use the upper left scroll arrow buttons to move across the field. Press ENTER when done.

111222333



11. Select "END DAY."




12. Select START to set the beginning of this period, then enter the time of day (24 hour format). Select END to set the end of this period, then enter the time of day (24 hour format). If AUTOPRINT is enabled the End Day report will print daily at the START time. Select AUTOPRINT to toggle this function on (star \*) or off (no star). Press ENTER to accept all settings on this screen. *The End Day period is the period during which any enrolled user may run the Grand Z End Day report to close the business day.*

START 06:30>  
END 07:00>  
AUTOPRINT \*>



13. Select "ACCOUNTING."

```
ACCOUNTING> 
VEND RECEIPT *>
DROP RECEIPT *>
LOAD RECEIPT *>
UNLOAD RECEIPT *>
```



14. By default all receipts are enabled. To conserve paper you may disable receipts. Enabled receipts are marked with a star (\*). Select the receipt to toggle its status. Press ENTER when done.

15. Select "IDLE TEXT."


```
IDLE TEXT> 
```

16. Enter the name of the company (15 character alphanumeric). Use the upper right selector arrow buttons to scroll characters (enter numbers directly using the number pad) and use the upper left scroll arrow buttons to move across the field. Press ENTER when done.

```
XYZ COMPANY
```



17. Select "DAYLIGHT SAVINGS."


```
DAYLIGHT SAV> 
```

18. If the site is in a region that uses Daylight Savings select YES (star \*), otherwise select NO. Press ENTER when done.

```
YES *> 
```



19. Select "CURRENCY."


```
CURRENCY> 
```

20. Check that the correct currency is selected. *This setting will only change the currency character that is displayed on the screen or receipts.* Press ENTER when done.

```
U. S. *> 
```



21. Select "PRINTER."

```
PRINTER> 
```

22. This setting must be ON (star \*) unless the only safe in the system is a manual drop safe and there is no vending or validating safe in the system. Press ENTER when done.

```
ON *> 
```



23. Press "ESC" to return to the idle screen.



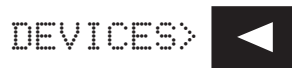
### C. FACTORY

Do not change any settings under FACTORY menu unless directed to do so by NKL.

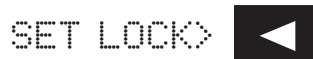


**D. DEVICES: LOCKS**

1. The following are component level settings that are safe specific. Refer to Section III Pre-Programming Questionnaire for setting values. *Caution: When programming devices, do not change the default names of the safes (ex. V1R1).*
2. Press "0" and press "ENTER."
3. Enter "1536" as the PIN for User Number 0.
4. Press "PGRM."
5. Select "DEVICES."
6. Select the first safe listed (this should be the "C" unit).
7. Select "LOCKS."
8. Select the lock (may be a name or a number).
9. If the lock is identified by a long number rather than a name:
  - a. Select "NAME."
  - b. Enter the name of the lock (15 character alphanumeric). This name Use the upper right selector arrow buttons to scroll characters (enter numbers directly using the number pad) and use the upper left scroll arrow buttons to move across the field. Press ENTER when done. *It is very important that each lock have a logical name. The standard naming convention is to include the safe name and the word "door." If there is more than one door on the safe, specify the location on the safe (such as "inner" or "outer").*
10. Do not set the "BEHIND" parameter unless the lock is on an inner compartment and/or the lock does not list correctly on the configuration report.
11. Select "SET LOCK."



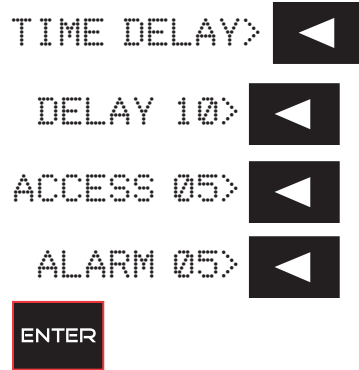
D8C OUTER DOOR



12. Select "TIME DELAY."

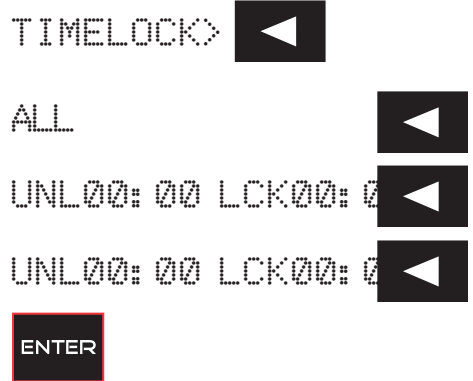
13. Check the values for DELAY, ACCESS, and ALARM.

To change any of these, select it, enter the desired value (minutes) and press ENTER. *Delay, if set to a value other than 00, forces the user to wait for the delay to end and log in a second time before the door may be opened. Access is period of time following the end of the delay when the safe may be opened immediately. Alarm is the maximum time the safe door may remain open before an audible alarm sounds and a violation is logged in the audit trail.*



14. Select "TIMELOCK."

15. To set timelock for all days, select the day of the week until it toggles to ALL. Days may also be set one day at a time. To set a timelock window, select the timelock window line and enter the UNL and LCK times. Press ENTER when done. *UNL is the time of day that timelock shuts off. LCK is the time of day that the lock goes into timelock. If both values are set to 00:00 that timelock window is disabled. If both values are set to the same non-00:00 time, the lock is in 24 hour timelock. Up to two timelock windows may be set for each day.*



16. Select "DUAL."

17. If this lock will require a second authorized user for access, select YES. Otherwise, set to NO. Press ENTER when done. *Star (\*) indicates selection.*



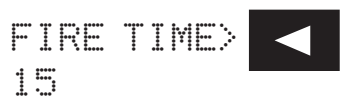
18. Select "GROUP."

19. Set to GROUP 00 unless group numbers are being used for access control. Normally set to GROUP 00, a lock may be set to any value up to 31 to restrict access to only those users with group permission.



20. Select "FIRE TIME."

21. Enter 15 minutes (unless specified otherwise). *Safes without a fire switch may be set to 00. Any unit with a fire switch must have a non-zero fire time. All MUST have the SAME fire time.*



22. Press "ESC" to return to the idle screen.


















23. Repeat steps 1 to 22 for each lock on each safe.

**E. DEVICES: VEND**

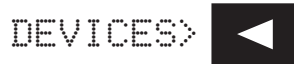
1. The following are component level settings for D8C or D8R units. If the system does not include a D8C or D8R, skip ahead to Section F. Refer to Section III Pre-Programming Questionnaire for setting values. *Caution: When programming devices, do not change the default names of the safes (ex. V1R1).*
2. Press “0” and press “ENTER.”
3. Enter “1536” as the PIN for User Number 0.
4. Press “PGRM.”
5. Select “DEVICES.”
6. Select the dispensing safe.
7. Select “VEND.”
8. If the vend assembly is identified by a long number rather than a name:
  - a. Select “NAME.”
  - b. Enter “MAIN VEND” as name of the vend assembly (15 character alphanumeric). Use the upper right selector arrow buttons to scroll characters (enter numbers directly using the number pad) and use the upper left scroll arrow buttons to move across the field. Press ENTER when done. *Enter an alternate name only if there is more than one D8 unit in the system.*
9. Select “COLUMNS.”
10. Select “COLUMN VALUES.”
11. To edit the per-tube value of a column, select the column and enter the new value. Press ENTER then ESC when done.



- 12. Select "COLUMN GROUPS." COLUMN GROUPS> 
  
- 13. Set all columns to GROUP 00 unless otherwise specified. Changing a column's group will restrict vending access to only those users with group permission. Press ESC with done. COL 01 GP 00>   

  
- 14. Press ESC once to back out to the vending parameters. 
  
- 15. Select "VEND." VEND> 
  
- 16. Select "VEND DELAY." VEND DELAY> 
  
- 17. Enter "02" unless otherwise specified. 02 
  
- 18. Select "UNLOAD DELAY." UNLOAD DELAY> 
  
- 19. Enter "02" unless otherwise specified. 02 
  
- 20. If variable vend delays are used:
  - a. Select "VAR VEND." VAR VEND> 
  - b. Select "VAR VEND 1." VAR VEND 1> 
  - c. Enter the start and end times (24 hour format) to apply the new delay, then enter the new delay time, then press ENTER when done. START 0600  
END 0800  
DELAY 01 
  - d. Repeat for second and third variable vend periods as needed.
  
- 21. Select "DEFINE TILL." DEFINE TILL> 
  
- 22. Select (star \*) each column that will be included in a daily till. Press ENTER when done. *The purpose of the till feature is to allow an employee to obtain a till of change all at once so that they can quickly and efficiently open the store.* COL 01 \*>  
COL 02 \*>  
COL 03 \*>  
COL 04 \*>  
COL 05 \*>  
COL 06 >  
COL 07 >  
COL 08 \*> 
  
- 23. Press "ESC" to return to the idle screen. 
  
- 24. Repeat steps 1 to 23 for each additional D8 safe.

## F. DEVICES: VALIDATOR

1. The following are component level settings for V1 and V2 units. If the system does not include a validating safe, skip ahead to Section G. Refer to Section III Pre-Programming Questionnaire for setting values. *Caution: When programming devices, do not change the default names of the safes (ex. V1R1).*
2. Press “0” and press “ENTER.”
3. Enter “1536” as the PIN for User Number 0.
4. Press “PGRM.”
5. Select “DEVICES.”
6. Select the validating safe.
7. Select “VALIDATORS.”
8. If the validators already have proper names (e.g. V2R1 VAL 1), stop here. If the validators are listed as long hexadecimal numbers: select the first validator and perform the following steps; repeat for each validator in the system.
9. If the validator(s) is identified by a long number rather than a name:
  - a. Select “NAME.”
  - b. Enter the name of the validator (15 character alphanumeric). The name should include the name of the unit and the word “VALIDATOR” and, if it is a V2, number the validator. Ex: “V2R3 VALIDATOR 1.” Use the upper right selector arrow buttons to scroll characters (enter numbers directly using the number pad) and use the upper left scroll arrow buttons to move across the field. Press ENTER when done.
  - c. Repeat for second validator, if applicable.
10. Press “ESC” to return to the idle screen.
11. Repeat steps 2 to 10 for each additional validator in the system.



00000049CB2F8>



V2R1 VALIDATOR 1

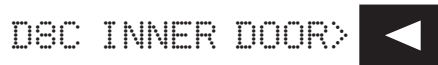


**G. CASH**

1. It is absolutely essential that cash be properly configured in order for the system's accounting features to function properly. *Box Cash is an accounting entity with a financial value that is associated with a physical place. The place is defined by an inlet means (manual or validated drop) and an outlet means (the lock on the compartment). Once defined, the system will track all money entering and leaving the system keeping record of credits and debits to the system and the personnel involved.*
2. Press "0" and press "ENTER."
3. Enter "1536" as the PIN for User Number 0.
4. Press "PGRM."
5. Select "CASH."
6. Check to see what BOX CASH has already been created as follows:
  - a. Select "BOX."
  - b. Select "EDIT."
  - c. Make note of what cashes already exist. If each safe in the system already has a Cash configured, stop here and skip ahead to Step 10. Otherwise, make note of the unit(s) that already have Cash configured and do not attempt to create additional Cashes for those. Continue with Step 7 to create cash for those safe(s) that do not have a Cash.
7. Press "ESC" (if necessary) to return to the BOX CASH menu.
8. To create a new manual drop BOX CASH:
  - a. Select "NEW."
  - b. Select "MANUAL."
  - c. Enter the name of the new BOX CASH (15 character alphanumeric), such as "MANUAL DROP D8C." Use the upper right selector arrow buttons to scroll characters (enter numbers directly using the number pad) and use the upper left scroll arrow buttons to move across the field. Press ENTER when done.
  - d. Select the safe where the manual drop is located.
  - e. Select the name of the lock for the compartment holding this manual drop money.



MANUAL DROP D8C




9. To create a new validated drop BOX CASH:
  - a. Select "NEW."
  - b. Select "VALIDATED."
  - c. Enter the name of the new BOX CASH (15 character alphanumeric). Validated drops are typically named according to where the register is located, such as FUEL, LANE 1, REGISTER 1, DELI, LOTTERY, etc. Use the upper right selector arrow buttons to scroll characters (enter numbers directly using the number pad) and use the upper left scroll arrow buttons to move across the field. Press ENTER when done.
  - d. Select the safe where the validated drop is located.
  - e. Select (star \*) each validator listed. *This defines the cash inlet.*
  - f. Select the name of the lock for the validator compartment.
  - g. Repeat as need until all BOX CASH is created.
10. If the location will not be using armor car pickup skip ahead to Section H.
11. Check to see what MACRO CASH has already been created as follows:
  - a. Select "MACRO."
  - b. Select "EDIT."
  - c. If a MACRO CASH already exists, check the composition to make sure that all safes included in armor car pickup are included on the list. A star (\*) indicates that the BOX CASH listed is included. Skip ahead to Section H.
  - d. If no MACRO CASH exists, create a new MACRO CASH (Step 12).
12. To create new MACRO CASH:
  - a. Select "NEW."
  - b. Enter the name of the new MACRO CASH (15 character alphanumeric), such as "ARMOR PICKUP." Use the upper right selector arrow buttons to scroll characters (enter numbers directly using the number pad) and use the upper left scroll arrow buttons to move across the field. Press ENTER when done.
  - c. Select the BOX CASH locations that are to be part of this MACRO. *All locations must have the same door delay, timelock, and fire time settings.*
  - d. Press ENTER when done.
13. Press "ESC" to return to the idle screen.

NEW>   
 VALIDATED>   
 REGISTER 1

ENTER

V1R1>   
 V1R1 VALIDATOR #>   
 V1R1 DOOR> 

V1R1> 

MACRO> 

EDIT> 

NEW>   
 ARMOR PICKUP> 

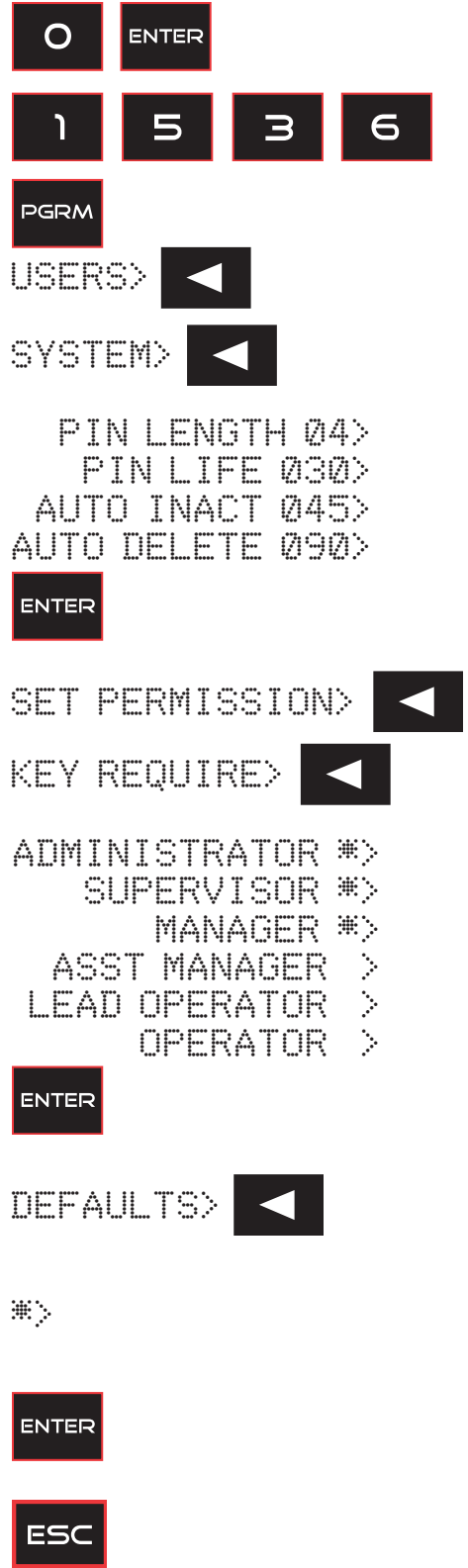
REGISTER 1\*>  
 REGISTER 2\*>  
 RESISTER 3\*>

ENTER

ESC

**H. USER SETUP**

1. Press "0" and press "ENTER."
2. Enter "1536" as the PIN for User Number 0.
3. Press "PGRM."
4. Select "USERS."
5. Select "SYSTEM."
6. Check PIN LENGTH, PIN LIFE, AUTO INACTIVATE, and AUTO DELETE. To make a change, select the parameter, enter the new value, and press ENTER to accept.
7. Select "SET PERMISSIONS."
8. Select "KEY REQUIRE."
9. Permission levels that require a key are marked with a star (\*). Scroll to check all levels. Select a level to toggle the KEY REQUIRE status on or off. Press ENTER when done.
10. To edit the default permissions of any level user:
  - a. Select "DEFAULTS."
  - b. Select the permission level to edit.
  - c. Scroll the list of permissions. To enable a permission set a star (\*) by the permission. To disable a permission select the permission to toggle it off (no star)
  - d. Press ENTER when done, repeat as needed for any other levels to be edited.
11. Press "ESC" to return to the idle screen.



**I. VERIFY CONFIGURATION**

1. Run the CONFIG REPORT and check all system and hardware configuration parameters.

a. Press “0” and press “ENTER.”



b. Enter “1536” as the PIN for User Number 0.



c. Press “REPORT.”



d.. Select “CONFIG.”



2. Run the CASH REPORT and check the cash set-up.

a. Press “0” and press “ENTER.”



b. Enter “1536” as the PIN for User Number 0.



c. Press “REPORT.”



d.. Select “CASH.”



## V. SYSTEM TESTING & TURNOVER

Before final turnover of the system check that all safes operate properly including vending operations, validator drops, and other functions. Use the Operator Manual, Quick Guide, and any other information provided with the system to show the manager how to operate the safe(s). When you are confident in system performance turn the system over to the store manager as follows:

### A. ENROLL MANAGER

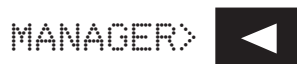
1. With the Manager present, enroll the manager so that he/she can enroll their employees. *Caution: Once the first user is enrolled the User Number 0 with PIN 1536 will no longer work. The User 0 code is strictly for initial system setup, so make sure all settings are correct before proceeding. To maintain administrator capability, enroll yourself as Administrator before enrolling the manager or any other users (use the procedure below).*





2. Press "0" and press "ENTER."
3. Enter "1536" as the PIN for User Number 0.
4. Press "PGRM."
5. Select "USERS."
6. Select "ENROLL."
7. When prompted, present an electronic key (if keys are being used) or press ENTER to obtain a USER NUMBER. If keys are not used, be sure to make a note of the USER NUMBER.



8. Select the permission level to assign (typically MANAGER). *Caution: Users may only enroll other users of equal or lower permission level. Be sure to enroll the senior manager on site with the highest authority level applicable. However, do not enroll store personnel at any level above MANAGER. Only enroll an area level manager at the SUPERVISOR level. Only enroll loss prevention or service personnel at the ADMINISTRATOR level.*



9. Enter the personal ID of the manager. Press ENTER. 123456789  
*This must be a 9-digit number and no two users may have the same number. This is usually the person's social security number or employee number.* 
10. Enter the name of the manager (15 character alphanumeric), such as "JOHN." Use the upper right selector arrow buttons to scroll characters (enter numbers directly using the number pad) and use the upper left scroll arrow buttons to move across the field. Press ENTER when done. JOHN 
11. When prompted for the temporary PIN, enter 1111. 1111  
 When prompted to confirm, enter 1111 again. 1111

## B. CLEAR SYSTEM

1. Log in as the manager and run an END DAY REPORT to clear any installation activity from actual business and show the manager how to run a report.

2. Press "REPORT."



3. Present the manager's key or enter the user number and press ENTER.

001 

4. Enter the PIN 1234.

5. The screen will indicate that the PIN is expired (first time only).

PIN EXPIRED!  
 PLEASE ENTER NEW  
 PIN

6. Enter new PIN (manager enters this number).

\*\*\*\*>

7. Confirm new PIN by entering again.

\*\*\*\*>

8. Select "END DAY" from the report menu.








END DAY>



9. Take report from printer and explain contents.



**C. BASIC OPERATIONS**

1. Using the Operator Manual demonstrate how to load, vend, and unload the vending safe (if applicable). 
2. Using the Operator Manual demonstrate how to make manual and validated drops (as applicable). 
3. Using the Operator Manual demonstrate how to open doors, including removing cash and without removing cash. 
4. Using the Operator Manual review the various sample reports provided. 
5. Turn over all keys, manuals, and other materials supplied with the safe to the store manager. Work area should be cleaned up with all trash and packing material removed. 
6. Inform the manager how to contact NKL for service. 
7. Obtain store manager signature on the work order form. 

*If you experience problems with the installation contact NKL Technical Support at 1-800-452-4655.*

NKL Cash Handling  
 FireKing Security Group  
 101 Security Parkway  
 New Albany, IN 47150  
 Phone 800-452-4655  
 Fax 800-232-9655  
 www.fireking.com

