

ScanLogic D22

Model: FPC-0601A-D22

Biometric Safe Lock System

Operation Guide



Table of Contents

<i>Section 1.0</i>	<i>Enroll the first fingerprint</i>
<i>Section 1.1</i>	<i>Unlocking the ScanLogic D22 – Lock Operation</i>
<i>Section 2.0</i>	<i>Enroll the second fingerprint</i>
<i>Section 3.0</i>	<i>Enroll additional fingerprints</i>
<i>Section 4.0</i>	<i>Set/Change User Code</i>
<i>Section 5.0</i>	<i>Enable User Code</i>
<i>Section 6.0</i>	<i>Disable User Code</i>
<i>Section 7.0</i>	<i>Disable User</i>
<i>Section 8.0</i>	<i>Enable User</i>
<i>Section 9.0</i>	<i>Set Time Delay</i>
<i>Section 9.1</i>	<i>Set Time Delay Override User</i>
<i>Section 9.2</i>	<i>Duress Time Delay</i>
<i>Section 9.3</i>	<i>Time Delay: Unlock with an enrolled fingerprint or code</i>
<i>Section 10.0</i>	<i>Set Number of Locks</i>
<i>Section 10.1</i>	<i>Authorize Access to Locks</i>
<i>Section 10.2</i>	<i>Enable Sequence</i>
<i>Section 11.0</i>	<i>Delete One User</i>
<i>Section 12.0</i>	<i>Delete All Users</i>
<i>Section 13.0</i>	<i>Dual Mode</i>
<i>Section 14.0</i>	<i>Penalty Time -Wrong Code Entry</i>
<i>Section 15.0</i>	<i>DayLight Savings Time</i>
<i>Section 16.0</i>	<i>Maximum Door Open Time</i>
<i>Section 17.0</i>	<i>View Audit Trail</i>
<i>Section 18.0</i>	<i>Set ID01 to Master</i>
<i>Section 19.0</i>	<i>System Info</i>
<i>Section 20.0</i>	<i>Set Security Level</i>

- Section 21.1 Enroll the first fingerprint and its bound code (Level Section 2)*
- Section 21.2 Enroll the second or additional fingerprints and its bound code (Level 2)*
- Section 22.0 Set/Change the first code (Level 1)*
- Section 22.1 Enroll the second or additional codes (Level 1)*
- Section 23.0 Disable / Enable User (Level 1 & 2)*
- Section 24.0 Set Time Delay (Level 1 & 2)*
- Section 25.0 Unlock with an enrolled code (Level 1 & 2)*
- Section 26.0 Set Number of Locks (Level 1 & 2)*
- Section 26.1 Authorize access to Locks (Level 1 & 2)*
- Section 26.2 Enable Sequence (Level 1 & 2)*
- Section 27.0 Delete One User / All Users (Level 1 & 2)*
- Section 28.0 Dual Mode (Level 1 & 2)*
- Section 29.0 Penalty Time -Wrong code entry penalty (Level 1 & 2)*
- Section 30.0 DayLight Savings Time (Level 1 & 2)*
- Section 31.0 Maximum Door Open Time (Level 1 & 2)*
- Section 32.0 View Audit Trail (Level 1 & 2)*
- Section 33.0 System Info (Level 1 & 2)*

About Security Level Classifications

The ScanLogic D22 can operate in three different security levels as follows:

- **Level 1:** EntryPad can be operated by a code only.
- **Level 2:** EntryPad must be operated by a fingerprint and the code associated with that enrolled fingerprint (“bound code”).
- **Level 3:** EntryPad can be operated by a fingerprint or a code.

Note:

All enrolled users will be deleted when security level is changed. The first code (ID No. 01) will be set to default 123456.

Factory default security level is Level 3.

Battery Replacement Instructions

- 1) On the back of EntryPad, you will see one 9V alkaline battery. Take the battery out of the battery compartment.
- 2) Gently remove the connector by unsnapping it from the two terminals on the top of the battery.
Never Pull on the Battery Leads.
- 3) Connect a new 9V alkaline battery to the battery clip.
- 4) Put the battery and the leads completely back into the battery compartment.

For mounting and wiring information refer to the installation instructions.

1.0 Enrolling the first fingerprint (Security Level 3)

Step 1: Install a brand new 9V alkaline battery in the ScanLogic D22 EntryPad.

Step 2: Place your finger on the fingerprint scanner, the LCD screen will show “Welcome” and then “Set Time/Date”. Set the correct time and date using the UP and Down arrows keys and OK button. Once set the LCD screen will show “**Start Enrolling First User**”.

Step 3: After the screen shows “**Place Finger**”, place your finger on the fingerprint scanner and hold.



Step 4: Hold your finger on the scanner until the above displays finish one by one.

Upon completion, the first fingerprint with an ID No. 01 is enrolled successfully.

1.1 Unlocking the ScanLogic D22 (Security Level 3)

Step 1: Place enrolled fingerprint on the scanner.

Step 2: After enrolled fingerprint is verified successfully, the safe lock will unlock.

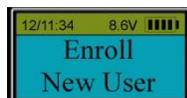
2.0 Enroll the second fingerprint (Level 3)

Step 1: Press “**Menu/OK**”. The screen will show “**Select Menu**”.

Step 2: Press “▲” or “▼” to select “**System Menu**”. Press “**Menu/OK**” again.

Step 3: Place the enrolled finger of ID01 on the scanner and hold.

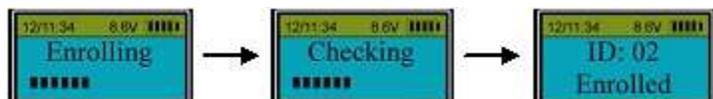
Step 4: After ID01 fingerprint is verified successfully, press “▲” or “▼” to select “**Enroll New User**”.



Step 5: Press "**Menu/OK**" again.



Step 6: Place the second enrollee's finger (different from the first one) on the fingerprint scanner and hold.



The second fingerprint, with an ID No. 02, is enrolled successfully.

Note: ID No. 01 and ID No. 02 are administrators.

3.0 Enroll additional fingerprints (Security Level 3)

Step 1: Press "**Menu/OK**". The screen will show "**Select Menu**".

Step 2: Press "**▲**" or "**▼**" to select "**System Menu**". Press "**Menu/OK**" again.

Step 3: Place an enrolled administrator's finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, the LCD screen shows: "**Select Menu**", press "**▲**" or "**▼**" to select "**Enroll New User**".

Step 5: Follow the Steps 5 and 6 in Section 2.0 to enroll additional fingerprints.

4.0 Set/Change User Code (Level 3)

The ScanLogic D22 is capable of registering not only fingerprints but also 6 digit codes for each enrolled fingerprint. To Set or Change a User code, perform the following process:

Step 1: Press "**Menu/OK**". The screen will show "**Select Menu**".

Step 2: Press "**▲**" or "**▼**" to select "**System Menu**", press "**Menu/OK**" again.

Step 3: Place the user's finger on the fingerprint scanner and hold.

Step 4: After the fingerprint is verified, press "**▲**" or "**▼**" to select "**Set/Change User Code**", press

“Menu/Ok”.

Step 5: When the screen displays **“New Code”**, enter a 6 digit code.



Step 6: Enter the same 6 digit code again.



The new code is now set or changed successfully.

Note:

- Administrators' code can be set or changed directly.
- Non-administrators' code must be enabled by the administrator first, then, the user can set or change their code.
- If consecutive four digits of a new code (for example 512341) is the same as one of the enrolled codes (612345), LCD screen will show : **“Code is similar”** and the code will not be accepted. Enter a different code for this User.

5.0 Enable User Code (Security Level 3)

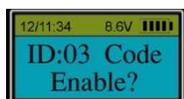
Step 1: Press **“Menu/OK”**. The screen will show **“Select Menu”**.

Step 2: Press **“▲”** or **“▼”** to select **“System Menu”**. Press **“Menu/OK”** again.

Step 3: Place an enrolled administrator's finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, press **“▲”** or **“▼”** to select **“Enable User Code”**, press **“Menu/Ok”**.

Step 5: The screen will display **“ID:03 Code Enable?”**, press **“▲”** or **“▼”** to select the desired ID No. to be enabled.



Step 6: When the desired ID No. is visible on the screen, press "**Menu/Ok**" to select.

This User ID will now have the ability to have a code in addition to an enrolled fingerprint.



Important: The User must now set his own code using his enrolled fingerprint.

Step 7: Press "**Menu/Ok**", press "**▲**" or "**▼**" to select "**System Menu**". Enter the System Menu with the User's fingerprint (in this example using the fingerprint of ID No.3).

Step 8: Press "**▲**" or "**▼**" to select "**Set/Change User Code**".

Step 9: Enter a unique 6 digit code.



Step 10: Enter the same 6 digit code.



When the LCD screen displays: "**ID:03 Code Saved**", the code of ID:03 has been set successfully .

Note:

If consecutive four digits of a new code (for example 512341) is the same as one of the enrolled codes (612345) , LCD screen will show: "**Code is similar**" and the code will not be accepted. Enter a different code for this User.

6.0 Disable User Code (Security Level 3)

If a User has previously had a code enabled for use, this function will Disable the code.

Step 1: Press "**Menu/OK**". The screen will show "**Select Menu**".

Step 2: Press "**▲**" or "**▼**" to select "**System Menu**". Press "**Menu/OK**" again.

Step 3: Place an enrolled administrator's finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, press “▲” or “▼” to select “**Disable User Code**”, press “**Menu/Ok**”.

Step 5: Press “▲” or “▼” to select the desired user ID to be disabled.

Step 6: Press “**Menu/Ok**”

ID No.3’s code disabled.

Note: This function only disables the user’s code, not the user. The user can still unlock the door by fingerprint.

7.0 Disable User (Security Level 3)

Step 1: Press “**Menu/OK**”. The screen will show “**Select Menu**”.

Step 2: Press “▲” or “▼” to select “**System Menu**”. Press “**Menu/OK**” again.

Step 3: Place an enrolled administrator’s finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, press “▲” or “▼” to select “**Disable User**”.

Step 5: Press “▲” or “▼” to select the desired ID No. to disable (e.g. ID 03).



Step 6: Press “**Menu/OK**”.

The LCD screen displays: “**ID:03 Disabled**”, confirming that ID 03 has been successfully disabled. This User’s fingerprint and code have now been disabled. If the User attempts to access the lock, the screen will display “**ID:03 Disabled**”.

Note: Administrators cannot be disabled.

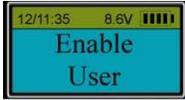
8.0 Enable User (Security Level 3)

Step 1: Press “**Menu/OK**”. The screen will show “**Select Menu**”.

Step 2: Press “▲” or “▼” to select “**System Menu**”. Press “**Menu/OK**” again.

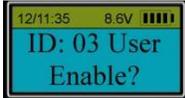
Step 3: Place an enrolled administrator’s finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, press “▲” or “▼” to select “**Enable User**”.



Step 5: Press “**Menu/OK**”.

Step 6: Press “▲” or “▼” to select the ID No. to be enabled (e.g. ID 03).



Step 7: Press “**Menu/OK**”.



The User ID No. 03 is now enabled and can use the previously registered fingerprint and/or code to access the lock.

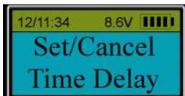
9.0 Set Time Delay (Security Level 3)

Step1: Press “**Menu/OK**”. The screen will show “**Select Menu**”.

Step 2: Press “▲” or “▼” to select “**System Menu**”. Press “**Menu/OK**” again.

Step 3: Place an enrolled administrator’s finger (ID No. 01 or 02) on the scanner and hold.

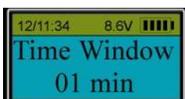
Step 4: After the administrator is verified successfully, press “▲” or “▼” to select “**Set/Cancel Time Delay**”.



Step 5: Press “**Menu/OK**”.



Step 6: Press “▲” or “▼” to set time delay (00 to 99 min). Press “**Menu/OK**”.



Step 7: Now set the Time Window. Press “▲” or “▼” to select the desired Time Window interval (01 to 15 min).

Step 8: Press “**Menu/OK**”.

The Time Delay has now been set successfully. See Section 12.0 for Time Delay opening operation.

Note:

- Time Delay Override: ID No.1 is a Time Delay Override Code and can unlock the lock at any time, bypassing Time Delay.
- Additionally, a second User ID (ID01 – ID30) can be set to as a Time Delay Override Code.
- During Time Delay period, the EntryPad can be programmed but the Lock Body cannot be unlocked.
- After the original time delay has been changed successfully, the new time delay settings will take place after the next unlocking sequence.
- However, if the new Time Delay value is longer than the previous one, the new time delay value will be effective during the next unlocking.

9.1 Set Time Delay Override User

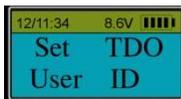
Step 1: Press “**Menu/OK**”. The screen will show “**Select Menu**”.

Step 2: Press “▲” or “▼” to select “**System Menu**”. Press “**Menu/OK**” again.

Step 3: Enter the code of ID No. 00 (Super Code).

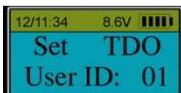
Step 4: When the LCD screen shows “**Select Menu**”, press “**Menu/OK**”.

Step 5: Press “▲” or “▼” to select “**Set TDO User ID**”.



Step 6: Press “**Menu/OK**”.

Step 7: Press “▲” or “▼” to select the User ID No.



Notes:

- If ID21 is selected, for example, the two users with TDO are: ID01 and ID21.
- Even if ID21 is set with TDO, it will not be an administrator with more functions. ID01 and ID02 are still administrators but ID02 will no longer have TDO capability.
- If you select ID01, then ID01 will be the only user with TDO.
- ID01 has TDO capability by default. However, in order to remove TDO capability from ID01, select ID00 in the above programming sequence. This will remove TDO capability from ID01 and only ID00 will have TDO capability.

9.2 Duress Time Delay (Level 3)

Step 1: Press **"Menu/OK"**. The screen will show **"Select Menu"**.

Step 2: Press **"▲"** or **"▼"** to select **"System Menu"**. Press **"Menu/OK"** again.

Step 3: Place an enrolled administrator's finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, the LCD shows **"Select Menu"**, press **"▲"** or **"▼"** to select **"Set Duress Time Delay"**.

Step 5: Press **"Menu/OK"**. Press **"▲"** or **"▼"** to set the time between 0~99 minutes, press **"Menu/OK"**.

Step 6: Set the "TM window": Press **"▲"** or **"▼"** to set the time between 01~15 minutes, press **"Menu/OK"**.

Note:

- TDO capability is still available to TDO Users.
- Duress code can only be set by User ID00. (The menu selection to program Duress is "Duress Code Shift").

9.3 Time Delay: Unlock with an enrolled fingerprint or code (Level 3)

To unlock the safe lock when Time Delay has been programmed:

For example:

Time Delay is set 10 minutes and Time Window 5 minutes.

Step 1: Place an enrolled finger (ID: 03) on the fingerprint scanner and hold until the LCD shows:



Step 2: The display will start counting up. The LCD screen flashes the expired time interval every 15 seconds.

Step 3: When Time Delay finishes counting, two beeps will sound and the LCD screen will show:



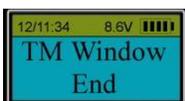
Step 4: The display will start counting down. The LCD screen flashes with remaining time every 15 seconds.

Within the next 5 minutes, a User must verify an enrolled fingerprint to unlock. The LCD will display the ID of the verified user:



Note:

- As a default TDO User, ID 01 can unlock without time delay.
- When the EntryPad starts its Time Delay process, user can operate the EntryPad normally, but the Lock Body will not be unlocked even if the verification is successful.
- If no valid code or enrolled fingerprint are verified successfully during Time Window period, the Lock Body will be locked until the end, and then , the LCD will show:



10.0 Set number of locks (Security Level 3)

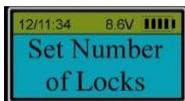
The ScanLogic D22 is capable of managing up to 4 Lock Bodies using a junction box (Junction box Part# CB11-1T4). The EntryPad must be programmed to recognize the additional Lock Bodies.

Step 1: Press "**Menu/OK**". The screen will show "**Select Menu**".

Step 2: Press "**▲**" or "**▼**" to select "**System Menu**". Press "**Menu/OK**" again.

Step 3: Place an enrolled administrator's finger (ID No. 01 or 02) on the scanner and hold.

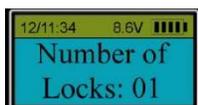
Step 4: After the fingerprint is verified successfully, press “▲” or “▼” to select “**Set Number of Locks**”. Press “Menu/OK”.



Step 5: The display will prompt you to enter the “**Mfc. Code**”. The default Mfc. Code is 975246.



Step 6: Press “▲” or “▼” to set number of locks.



Note: The default number of locks is 01. The maximum number of locks is 04.

When opening the lock, the display will ask you to select the lock to be opened, press the numbered button that corresponds with the lock to be opened. Then, the lock will be unlocked automatically if verification is successful.

10.1 Authorize access to locks (Level 3)

The ScanLogic D22 allows you to set the Users that will have access to specific locks.

Step 1: Press “**Menu/OK**”. The screen will show “**Select Menu**”.

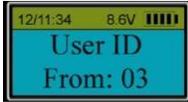
Step 2: Press “▲” or “▼” to select “**System Menu**”. Press “**Menu/OK**” again.

Step 3: Place an enrolled administrator’s finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, press “▲” or “▼” to select “**Authorize Locks**”.



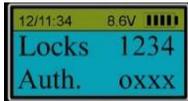
Step 5: Press “**Menu/OK**”. The system will now ask which range of Users are to be programmed to open this set of locks.



Step 6: Press “▲” or “▼” to set the first ID in the group of users to be authorized. Press “Menu/OK”.

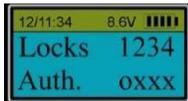


Step 7: Press “▲” or “▼” to set the last ID in the group of users to be authorized. Press “Menu/OK”. The example shows how to authorize users with ID No. from 03 to 05.



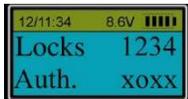
“Lock 1234” means the number for each lock. “Auth. oxxx” shows whether the group has authorization for each specified lock. Letter “o” means the group has authorization to open this lock. Letter “x” means the group does not have authorization.

For example: To authorize users with ID No. 03, 04 and 05 to open Lock 2, when the LCD screen shows:



Press “1” to change “o” to “x”.

Press “2” to change “x” to “o”. Press “Menu/OK”.



Now, the authorization is completed.

Note: Administrators can open all locks without authorization.

10.2 Enable sequence (Security Level 3)

The ScanLogic D22 allows you to set up sequencing when multiple locks are present. This means

that you can program the system such that Lock #1 is known to be the Outer (or Main) door on the safe. With Sequencing enabled, if a User is authorized to open Lock#2, the system would know to first open Lock#1 and then 5 seconds later it will automatically open Lock #2.

(This eliminates the need to Open Lock#1, and then enter your code again to open Lock#2).

Step 1: Press "Menu/OK". The screen will show "Select Menu".

Step 2: Press "▲" or "▼" to select "System Menu". Press "Menu/OK" again.

Step 3: Place an enrolled administrator's finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, the LCD screen shows "Select Menu". Press "▲" or "▼" to select "Enable Sequence". Press "Menu/OK".

If the number of Locks is more than one, when unlocking in sequence is enabled:

Press "1", Lock 1 will be unlocked;

If you press a number which is >1 (for example 3), Lock 1 will open first and then Lock 3 will open 5 seconds later.

11.0 Delete One User (Security Level 3)

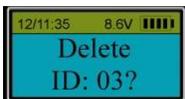
Step 1: Press "Menu/OK". The screen will show "Select Menu".

Step 2: Press "▲" or "▼" to select "System Menu". Press "Menu/OK" again.

Step 3: Place an enrolled administrator's finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, press "▲" or "▼" to select "Delete One User". Press "Menu/OK".

Step 5: The system will automatically select the first enrolled User. Press "▲" or "▼" to select the User ID to be deleted. Press "Menu/OK" to confirm.



Step 6: The system will confirm the user has been deleted as follows:



Note : If User ID 01 is Set to Master, User ID 02 cannot delete User ID 01.

12.0 Delete All Users (Security Level 3)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

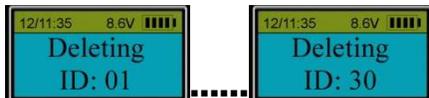
Step 3: Place an enrolled administrator’s finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, press “▲” or “▼” to select “Delete All Users”. Press “Menu/OK”. The following message will be displayed:



Step 5: Press “Menu/OK” to confirm..

The system starts deleting users from ID No. 01 to ID No. 30; and then confirms the deletion as below:



Note1: After deleting all users, all the enrolled fingerprints and codes are deleted completely.

Note2: If User ID 01 is Set to Master, User ID 02 cannot delete all users.

13.0 Dual Mode (Security Level 3)

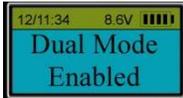
Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place an enrolled administrator’s finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, press “▲” or “▼” to select “Enable Dual Mode”. Press “Menu/OK”.

Step 5: The LCD will display the following message confirming that Dual Mode is now enabled:



Note:

- Dual Mode Override: In dual mode, administrator's fingerprints or codes (ID No. 01 or 02) are Dual Mode Override Codes and can unlock the Lock Body without the need for a second code to be entered.
- Only administrators' fingerprints or codes can be used to change Dual Mode to single user mode.
- In order to open the lock in Dual Mode, the second code or fingerprint must be entered within 60 seconds after the first code is successfully verified.
- If all users are deleted, Dual Mode will be disabled automatically.

14.0 Penalty Time –Wrong Code Entry (Security Level 3)

Penalty time is a function that prevents someone from opening your safe lock by trying to guess codes.

Four (4) consecutive invalid code entries initiate a 4-minute penalty time period with the LCD showing:



The EntryPad is shut down and no operation is permitted.

Then, the EntryPad will start counting down with the LCD flashing the remaining time every 15 seconds. e.g.



After the countdown is finished, the EntryPad is ready to use again.

Note: Two more consecutive invalid codes will restart an additional 4 minutes delay period. An

attempt to unlock by an enrolled fingerprint will not terminate the penalty time period.

15.0 Day Light Saving (Security Level 3)

Step 1: Press “Menu/OK”, the screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place an enrolled administrator’s finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, press “▲” or “▼” to select “Day Light Saving TM”. Press “Menu/OK” again.



Step 5: Press “▲” or “▼” to select “Y” or “N”. If selecting “Y”, this function will be enabled. If selecting “N”, this function will be disabled.

Step 6: Then, press “▲” or “▼” to select the “Start Month”



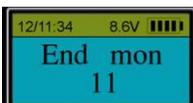
Step 7: Select the “Start Week”



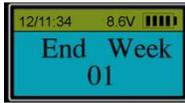
Step 8: Select the “Start Time”



Step 9: Select the “End Month”



Step 10: Select the “End Week”



Step 11: Select the “End Time”



For example: If you live in North America, you can select

- “Start Month”: 03
- “Start Week”: 02
- “Start Time”: 02
- “End Month”: 11
- “End Week”: 01
- “End Time”: 02

This function will start at 2:00am on second Sunday of March and end at 2:00 on first Sunday of November.

Note: Users can set “Day Light Saving” according to their certain condition.

16.0 Maximum Door Open Time (Security Level 3)

Step 1: Press “Menu/OK”, the screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place an enrolled administrator’s finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, press “▲” or “▼” to select “**Max. Door Open Time**”. Press “Menu/ OK” again.



Step 5: Press “▲” or “▼” to select the maximum allowable time that the door can be left open.

- If you select Max. Door Open Time as 2 minutes, that means if the lock is opened more than 2 minutes the Screen will alert you that the lock is still opened, and the screen will illuminate every 15 seconds continuing to alert you that the door is still open.

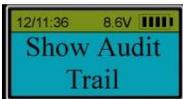
17.0 Show Audit Trail (Security Level 3)

Step 1: Press “Menu/OK”, the screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place an enrolled administrator’s finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, press “▲” or “▼” to select “Show Audit Trail”. Press “Menu/OK”.



Step 5: The screen will show the last record of operation on the EntryPad.

Step 6: Press ▲” or “▼” to view more records.

18.0 Set ID01 to Master (Security Level 3)

This programming command is used in order to establish a hierarchy within the Manager (ID01)/Supervisor (ID02) code permissions. This programming feature can only be accessed through the System Menu, when logging in with the Super Code ID00.

- When ID01 is Set to Master, User ID02 cannot Delete or Disable ID01.
- When ID01 is Set to Master, User ID 02 cannot “Delete All Users”.
- When ID01 is Set to Master, User ID 02 cannot “Set DayLight Savings Time”
- When ID01 is Set to Master, User ID 02 cannot “Set Duress Time Delay”
- When ID01 is Set to Master, User ID 02 cannot “Set Device ID Number”
- When ID01 is Set to Master, User ID 02 cannot Change “Security Levels”
- When ID01 is Set to Master, User ID 02 cannot “Enable Dual Mode”

Step 1: Press “Menu/OK”, the screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place an enrolled administrator’s finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, press “▲” or “▼” to select “Set ID01 to Master”. Press “Menu/OK”.

“ID01 Set to Master” can be reversed to its default setting by selecting the menu selection “Set ID01 to Manager”.

19.0 System Info. (Security Level 3)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System INFO.”

Step 3: Press “Menu/OK” and the LCD will show information about this safe lock system as follows:

- The first line of the display will show the EntryPad Part Number: 0601A-**D22** indicating this EntryPad is a ScanLogic D22
- Capacity:30 Users - Total Number of Users
- Used : 00 User - Total Number of Users enrolled in the system
- V9.91120511-27 -Firmware version
- ID Dev 0017/ Host 1 -Device ID and Host ID
- Audit :0200 -Audit trail records capacity

20.0 Set Security Level

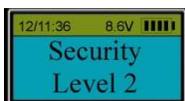
Step 1: Press “Menu/OK”, the screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

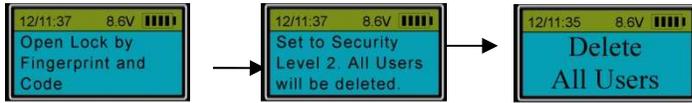
Step 3: Place an enrolled administrator’s finger (ID No. 01 or 02) on the scanner and hold.

Step 4: After the fingerprint is verified successfully, press “▲” or “▼” to select the desired Security Level.

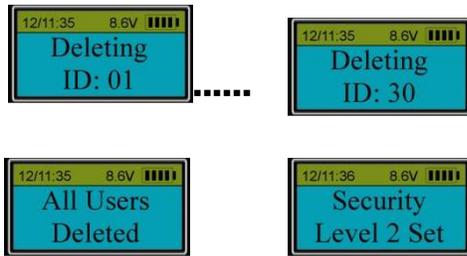
- **Level 1:** EntryPad can be operated by a code only.
- **Level 2:** EntryPad must be operated by a fingerprint and the code associated with that enrolled fingerprint (“bound code”).
- **Level 3:** EntryPad can be operated by a fingerprint or a code.



Step 5: Press "Menu/OK".



Step 6: Press "Menu/OK" to confirm.



Follow the same steps to set to Level 1.

Note:

After Security Level is changed, the number of locks will not be changed.

When security level is changed, all fingerprints and codes will be deleted. The first code (ID01) will be set to default 123456.

21.1 Enroll the first fingerprint and its bound code (Security Level 2)

Step 1: With the ScanLogic D22 set to Security Level 2, place your finger on the fingerprint scanner and hold.



The first fingerprint with an ID01 is enrolled.

Step 2: The display will prompt you to enter a code (6 digits).



Step 3: Enter the same code again.



When the screen shows “ID 01 Code Saved”, the first fingerprint and its bound code with ID01 is enrolled successfully.

Note: The default password (123456) will be deleted automatically after the first fingerprint and code are enrolled successfully.

21.2 Enroll the second or additional fingerprints and its bound code (Level 2)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place the first enrolled finger on the scanner and hold. You will be prompted to enter your Code.

After the fingerprint and its bound code are verified successfully, press “▲” or “▼” to select “Enroll New User”.

Follow the same steps as to enroll the first administrator’s fingerprint and code to complete the enrollment.

22.0 Set/Change the first code (Security Level 1 – Code Only)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Enter default code 123456.

Step 4: When the LCD screen shows “Select Menu”, Press “▲” or “▼” to select “Set/Change User Code”, press Menu/OK.

Step 5: Enter a new 6 digit code and repeat.

Note: Follow the same steps to change any valid code.

22.1 Enroll the second or additional codes (Level 1 – Code Only)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Enter the first enrolled code (ID01).

Step 4: After the code is verified successfully, press “▲” or “▼” to select “Enroll New User”, Step 5: Press “▲” or “▼” to select ID No. , and set new codes following the prompts .

23.0 Disable / Enable User (Level 1 & 2)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place the administrator’s finger on the scanner and/or enter an administrator’s code.

Step 4: After the fingerprint or code is verified successfully, follow the steps in Section 5.0 and 6.0 to disable or enable a user.

24.0 Set Time Delay (Level 1 & 2)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place an administrator’s finger on the scanner and/or enter an administrator’s code.

Step 4: After the fingerprint or code is verified successfully, follow the steps Section 9.0 to set time delay.

25.0 Unlock with an enrolled code (Level 1 & 2)

Step 1: Place an enrolled finger on the scanner and/or enter an enrolled code.

26.0 Set number of locks (Level 1 & 2)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place the administrator’s finger on the scanner and/or enter an administrator’s code.

Step 3: After the fingerprint or code is verified successfully, press “▲” or “▼” to select “Set number of locks” and follow the steps in Section 10.0.

27.1 Authorize access to locks (Level 1 & 2)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place the administrator’s finger on the scanner and/or enter an administrator’s code.

Step 3: After the fingerprint or code is verified successfully, press “▲” or “▼” to select “Authorize Locks” and follow the steps in Section 10.1.

27.2 Enable Sequence (Level 1 & 2)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place the administrator’s finger on the scanner and/or enter an administrator’s code.

Step 3: After the fingerprint or code is verified successfully, press “▲” or “▼” to select “Enable Sequence” and follow the steps in Section 10.2.

28.0 Delete one user / all users (Level 1 & 2)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place the administrator’s finger on the scanner and/or enter an administrator’s code.

Step 3: After the fingerprint or code is verified successfully, press “▲” or “▼” to select “Delete One User” or “Delete All Users” and follow the steps in Section 11.0 and 12.0.

29.0 Dual Mode (Level 1 & 2)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place the administrator’s finger on the scanner and/or enter an administrator’s code.

Step 3: After the fingerprint or code is verified successfully, press “▲” or “▼” to select “Dual Mode” and follow the steps in Section 13.0.

30.0 Day light savings (Level 1 & 2)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place the administrator’s finger on the scanner and/or enter an administrator’s code.

Step 3: After the fingerprint or code is verified successfully, press “▲” or “▼” to select “DayLight Savings TM” and follow the steps in Section 18.0.

31.0 Max. Door Open Time (Level 1 & 2)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place the administrator’s finger on the scanner and/or enter an administrator’s code.

Step 3: After the fingerprint or code is verified successfully, press “▲” or “▼” to select “Max. Door Open Time” and follow the steps in Section 19.0.

32.0 Audit Trail (Level 1 & 2)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Menu”. Press “Menu/OK” again.

Step 3: Place the administrator’s finger on the scanner and/or enter an administrator’s code.

Step 3: After the fingerprint or code is verified successfully, press “▲” or “▼” to select “View Audit Trail” and follow the steps in Section 20.0.

33.0 System Info (Level 1 & 2)

Step 1: Press “Menu/OK”. The screen will show “Select Menu”.

Step 2: Press “▲” or “▼” to select “System Info”. Press “Menu/OK” again.

Step 3: Follow the steps in Section 22.0.

34.0 Recover System (Level 1 & 2 & 3)

The ScanLogic Series safe lock systems have the ability to be reset to factory default settings using a very unique secure method. Each system has a default recovery code. The Default code is 999999 - this code can be changed as necessary (refer to the Recovery Code Set selection).

Upon entry of the recovery code, the LCD screen displays an alpha-numeric code. This code cannot be used to open the safe lock system or to change the code to factory default. The alpha numeric code must be deciphered using SECURAM's Authorization Code Generator Software.

The alpha-numeric code is entered into the software together with the encryption code. Through the software, these codes are deciphered to generate a One Time Use Reset Code.

When entered into the ScanLogic safe lock, the lock and EntryPad are reset to factory default and the system is recovered. Once used, the OTC (One Time Code) is no longer valid.

There is no limit to the number of times a system can be recovered using this process.

This is a vast improvement over other commonly used reset functions, as it offers a very secure recovery method.

34.1 Recovery Code Set

The default Recovery Code for the ScanLogic Series is 999999. It is not necessary to change this code, but if preferred this code can be changed with the following procedure.

Step 1: Press the "Menu/OK" button.

Step 2: Using the "▲" or "▼", scroll to the "System Menu" and "Press OK".

Step 3: Place the administrator's finger on the scanner and/or enter an administrator's code. The "Select Menu" message will be displayed.

Step 4: Scroll to the menu selection "Recovery Code Set" and Press OK.

Step 5: You will be prompted to enter the existing Recovery Code; Press OK.

Step 6: The LCD screen will display a key Code. Record this number and call an authorized SECURAM Recovery Center or SECURAM Tech Support at 1-805-988-8088 for an Authorization Code. This code remains valid for a period of 20 minutes only.

Step 7: After receiving the One Time Use Authorization Code from the Recovery Center, press the "back" button; and you will be prompted to enter your Authorization Code.

Step 8: Next you will be prompted to enter your new 6 digit Recovery Code.

Step 9: Repeat the 6 digit Recovery Code.

The new Recovery Code has now been set. DO NOT lose this code. Without this code your system cannot be recovered.

34.2 Recover System

In the event that you need to recover the system during its use, the following procedure is to be followed.

System Recover would be required in a number of circumstances such as:

- All Managerial User Codes have been lost or forgotten.
- The system is unresponsive to commands and may need to be reset.

Step1: Press the Menu/OK button.

Step 2: Using the "▲" or "▼" scroll to the Recover System Menu and Press OK.

Step 3: The display will prompt you to enter the Recovery Code. Enter the existing Recovery Code. The default recovery Code is 999999.

Step 4: The LCD screen will display an alpha-numeric number random key. Record this number and call an authorized SECURAM Recovery Center or SECURAM Tech Support at 1-805-988-8088. This code remains valid for a period of 20 minutes only.

Step 5: After receiving the One Time Use Recovery Code from the Recovery Center, press the "back" button; and you will be prompted to enter your Recovery Code.

Step 6: Your system will now be restored and will display this message:

- The Super Code will now be reset to 111111.
- The Manager Code will now be reset to 123456.
- Time Delay, if programmed previously, remains active.

Note: After recovering your system, you can recover again with 20 minutes without having to get another OTC. After 20 minutes you would require a new OTC to recover again.

34.3 Disable Recover

In some jurisdictions, the Recovery feature is prohibited (Australian Government). You have the option to disable the recovery feature, if desired.

Step1: Press the Menu/OK button.

Step 2: Using the “▲” or “▼” scroll to the System Menu and Press OK.

Step 3: Place the administrator’s finger on the scanner and/or enter an administrator’s code. The “Select Menu” message will be displayed as follows:

Step 4: Scroll “▲” or “▼” to the menu selection “Disable Recovery” and Press OK.

The Recovery Option will now be disabled.

35.0 Simple Mechanical Reset

SECURAM Safe Locks can operate in either Analog mode or Digital mode. When they are paired with the SafeLogic Series (EntryPads with no LCD screen or fingerprint reader) the safe lock operates in analog mode.

When paired with a ScanLogic Series (EntryPads with an LCD screen) or ScanLogic (EntryPads with a fingerprint reader and/or LCD screen), the safe lock operates in digital mode.



The ScanLogic D22 is a digital system and can be paired with any SECURAM safe lock body.



If the lock body that you are pairing the ScanLogic D22 with has been paired previously with an analog system, for example the SafeLogic Basic (or any other SafeLogic Series EntryPad) or was set at the factory in the default Analog mode, the following Simple Mechanical Reset procedure must be followed.

Step 1: Ensure that the EntryPad is not connected to the lock, and that the battery is not connected to the EntryPad.

Step 2: Find the reset hole on the back of the lock (under the QC sticker).

Step 3: Using a poke tool, depress the reset button on the back of the lock 3 times. This discharges any latent energy within the lock's capacitors.

Step 4: Now the part that requires 3 hands... Depress the reset button and hold it in its depressed position. While the reset button is depressed, connect the battery to the entypad.

Step 5: Continue to hold the reset button in its depressed position for another 5 seconds; then release.

A communication signal has now been sent to the Lock body telling it to convert from analog to digital mode. The ScanLogic will now be able to operate the lock body.

Q: How do you know if the lock has been reset?

- The ScanLogic will not sound or beep when it resets. When a button is pressed, the LCD will report "Link with Lock OK". This indicates that the lock is now in digital mode and has been successfully paired and the default codes will operate the lock. If the LCD reports "Fail to Link with Lock", repeat the reset process.

36.0 Testing

The ScanLogic D22 has 2 onboard system tests:

- 1) Cycle Testing
- 2) Hardware Testing

This is a very unique feature to SECURAM safe lock systems. As the access system on a fortified steel box – the safe -- it is imperative that safe locks can provide solid performance. SECURAM offers this unique menu selection that allows you to test the lock system performance through actual Cycle Testing.

The "Hardware Testing" menu selection is not available for field use. It is however used in the manufacturing process to check the board level components.

36.1 Cycle Testing

In order to perform a cycle test on the ScanLogic system, follow these steps:

Step1: Press the Menu/OK button.

Step 2: Using the "▲" or "▼" scroll to the System Menu and Press OK.

Step 3: Place the administrator's finger on the scanner and/or enter an administrator's code.. The "Select Menu" message will be displayed.

Step 4: Scroll "▲" or "▼" to the menu selection "Cycle testing" and Press OK.

Step 5: The system will prompt you to enter the Manufacture Code. Enter 975246.

The system will now cycle the motor drive system, locking and unlocking the lock body and checking the Fingerprint module every 1.5 seconds. The cycle testing will continue until the battery depletes itself of energy or power is removed.

36.2 Hardware Testing

The “Hardware Testing” menu selection is not available for field use. However, it is used in the manufacturing process to check the board level components.

Menus

There are two menus on the ScanLogic D22, the root menu and a sub-menu.

The sub-menu is accessible by entering a valid code. The menu selections in the sub-menu change depending upon the level of the code entered. Administrative Users (ID01 and 02) have access to the all programming menus. User Codes have limited menu selections.

ScanLogic D22 Menu

Root Menu

- Select Menu
- System Menu
- System Info
- Show Clock Time
- Recovery Code Set
- Recover System
- Encryption Key Set

Sub Menu – Super/Manager Codes

- Select Menu
- Change Code
- Show Audit Trail
- Wireless Connection
- System Info.
- Show Clock Time
- DayLight Savings Time
- Max. Door Open Time

- Set TDO User ID
- Set Duress Time Delay
- Set/Cancel Time Delay
- Set ID01 to Master
- Delete All Users
- Enable Sequence
- Authorize Locks
- Set Number of Locks
- Recovery Code Set
- Recover System
- Encryption Key Set
- Renew Code Period
- Disable Recover
- Cycle Testing
- Duress Code Shift
- Dual Mode Group ID
- Hardware Testing
- Enable Dual Mode
- Disable User
- Enable User
- Delete One User
- Enroll New User

Caution:

- **For indoor use only.**
- **Use one 9V alkaline battery.** Always use an alkaline battery for high quality performance. Duracell or Energizer alkaline batteries recommended.
- **LOW BATTERY ALERT:** The display will alert low battery when battery voltage reaches $5.4\pm 0.2V$ **PLEASE REPLACE THE BATTERY IMMEDIATELY.**
- *When the display alerts **low battery**, ScanLogic D22 can only be operated to lock or unlock. Operations, such as enrolling, deleting or time-delay setting, are not permitted.*

Specifications:

- Fingerprint Sensor: 500 DPI optical sensor
- Verification Time: < 1 second
- Registration Capacity: 30 fingerprints + 30 codes
- FRR (False Rejection Rate): <0.1%
- FAR (False Acceptance Rate): <0.0001%
- Code length: 6 digits
- Static current: < 50 μ A (Typical)
- Power supply: one standard 9V Alkaline battery
- Battery Life Span: About 1 year
- Battery Low Voltage: $5.4\pm 0.2V$
- Working Temperature: $-10^{\circ}C \sim + 65^{\circ}C$
- Fingerprint Reader Dimension:
 - 6" (L) x 2-12/16" (W) x 1-11/16" (T)
- Working Humidity: 10% ~ 80%