



# 1TouchXL & 1TouchXLS

## FINGERPRINT LOCK

### Operator's Manual





### TABLE OF CONTENTS

I	INTRODUCTION TO THE 1TOUCHXL/XLS FINGERPRINT LOCK	
-	FEATURES.....	2
-	SPECIFICATIONS.....	2
-	FINGERPRINT RECOGNITION NOTES.....	3
II	BASIC OPERATION	
-	GENERAL OVERVIEW.....	6
-	OPENING DOOR WITH FINGERPRINT.....	7
-	OPENING DOOR WITH PASSWORD.....	7
-	OPENING DOOR WITH REMOTE.....	7
-	OPENING DOOR WITH WAKEUP CODE + FINGERPRINT.....	8
-	OPENING DOOR WITH MECHANICAL KEY.....	8
III	PASSAGE MODE (LOCKED & UNLOCKED MODES)	
-	PASSAGE MODE OVERVIEW.....	10
-	TOGGLE PASSAGE MODE.....	10
IV	USER MANAGEMENT	
-	USER MANAGEMENT OVERVIEW.....	12
-	ADDING NEW USERS.....	12
-	ADDING A PASSWORD.....	15
-	MODIFYING EXISTING USERS.....	16
-	DELETING USERS.....	16
-	DELETING PASSWORDS.....	17
-	VIEWING USER INFORMATION.....	19
V	AUDIT LOG / EVENT LOG	
-	AUDIT LOG / EVENT LOG OVERVIEW.....	21
-	QUERY EVENTS BY DATE.....	21
-	QUERY EVENTS BY NAME.....	22
-	QUERY EVENTS "ONE BY ONE".....	24
VI	ACCESS MODES	
-	ACCESS MODES OVERVIEW.....	26
-	MODIFYING ACCESS MODES.....	26
VII	SYSTEM SETUP	
-	SYSTEM SETUP OVERVIEW.....	28
-	COMMUNICATIONS SETUP.....	28
-	SYSTEM INFORMATION.....	28
-	DATE / TIME SETUP.....	29
-	BACKLIGHT SETTINGS.....	30
-	LANGUAGE SETTINGS.....	31
-	INITIALIZE LOCK (FACTORY DEFAULT).....	32



### Features

- › User Management and audit trail built into unit
- › Easy to read LCD display on back lock body
- › Ability to enter persons name directly in the lock
- › Add / delete individual users directly on the lock
- › Stand alone (no PC required) - battery operated
- › 99 fingerprint user capacity
- › Fingerprint, Pin, Code + Fingerprint, or Key Access methods
- › ALL weather fingerprint lock - Operating Temp: -29 ° to 140 ° F
- › Bump resistant laser cut, dimple keys (4 included)
- › Easy setup and enrollment process
- › 4 AA battery with approximately 3,500 uses
- › Low battery warning alert
- › Sliding weather cover triggers sensor to power on automatically
- › Fingerprints will not be lost if batteries fail
- › High grade durable sensor with 509 dpi optical sensor
- › Deadbolt automatically engages when door closes
- › Up to 3 templates can be enrolled per user
- › Add user by name or by number directly on the lock
- › Auto expire user at a set date and time

### Technical Specifications

Item	Description
Sensor	Optical
Resolution	500DPI
Scanning time	<1s
FRR(False Rejection Rate)	0.01%
FAR(False Acceptance Rate)	0.0001%
Fingerprint capacity	3 user levels: 300 users capacity
Battery	4 AA Alkaline battery
Working current	10-300mA
Standby current	12uA
Display	Blue LCD
Language	English
Identification mode	Fingerprint, Pin, Wake-up pin + Fingerprint
Working temperature	-29 ° to 140 ° F
Working humidity	20%-80%



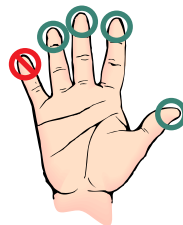
### Fingerprint Recognition Notes



Proper fingerprint placement is important when using any biometric device. Please be sure to use the tips below when using your fingerprint to authenticate with the 1TouchXL.

#### Tip 1: Choosing The “Best” Finger

Use either your Index, Middle or Ring finger, when enrolling and verifying your fingerprint. Avoid using the Thumb and Pinky finger, as it is typically difficult to align them properly and consistently.



#### Tip 2: Locating The Fingerprint “Core”

The “core” of a fingerprint is defined as the point located within the inner most recurving ridge. It is extremely important that this area is identified, and placed on the fingerprint scanner during the enrollment and verification of your fingerprint.



Fingerprint Core

#### Tip 3: Prepare The Finger For Enrollment

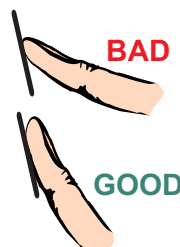
When enrolling and verifying with your fingerprint it is important that your finger be clean. It is also recommended that the finger be relatively undamaged and without scars.



**Hint:** Washing your hands with moisturizing soap and using hand lotion will also improve accuracy!

#### Tip 4: Finger Placement

When placing your finger on the scanner, make sure that the location of the “core”, located in Tip 2, is making direct contact with the scanner. Apply medium pressure, or just enough to flatten the skin on your finger.





This page is intentionally blank.

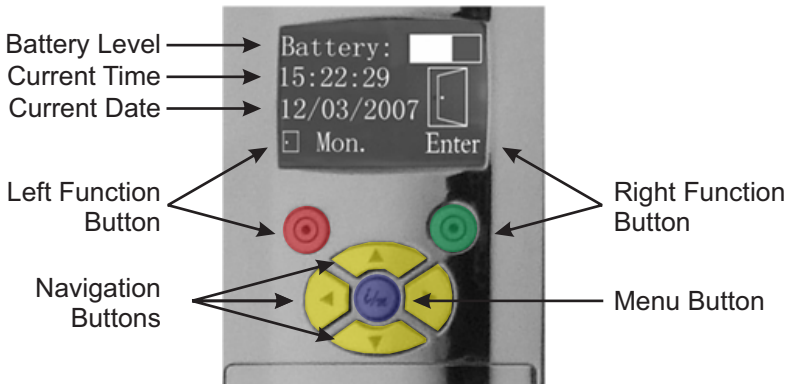


## SECTION II: BASIC OPERATION



### Basic Operation Overview

The 1TouchXL has an easy to use, menu based design. All management tasks are performed on the lock using the buttons and LCD display on the back of the lock.



**Battery Level** - The battery level indicator represents the approximate percentage of battery use left in the current set up batteries.

**Current Time** - The current time programmed into the 1TouchXL

**Current Date** - The current date programmed into the 1TouchXL

**Left Function Button** - The Left Function Button is used as a variable button depending on the current menu screen. This button will confirm the operation that is presented in the lower left portion of the screen. In the image above, pressing the Left Function Button would toggle the "Passage Mode" (see section III - Passage Mode). Note: the screen may show text instead of a pictogram.

**Right Function Button** - Like the Left Function Button, the Right Function Button is used as a variable button depending on the current menu screen. This button will confirm the operation that is presented in the lower right portion of the screen. In the image above, pressing the Right Function Button would display the Main System Menu.

**Navigation Buttons** - the Navigation Buttons are used to navigate the various menus and character lists. For menus, the buttons can be used to highlight the desired menu option for execution. For character lists, the buttons can be used to select the desired number of letter.

**Menu Button** - The Menu Button displays the Main Menu. **NOTE: The fingerprint scanner cover must be closed to access the Main Menu.**



### Opening the Door with a Fingerprint



The "Fingerprint" Access Mode must be enabled for fingerprint authentication to function. Please see section VI - Access Modes.

- › Lift the scanner cover of the 1TouchXL.
- › Place your registered fingerprint on the blue scanner.

The 1TouchXL will make several attempts to match your fingerprint. You should hear a single beep each time a match is attempted. If the 1TouchXL finds a match, you will hear a short melody indicating a successful authentication and the 1TouchXL will be unlocked!

If, after several attempts, the 1TouchXL is not able to authenticate the fingerprint, the scanner will shut off. If the process of authenticating fails 5 times in a row, the lock will automatically shut down for 2 minutes.

### Opening the Door with a Password



The "Password" Access Mode must be enabled for password authentication to function. Please see section VI - Access Modes.

- › Lift the scanner cover.
- › Press the '\*'.  
› Enter the registered password on the pin pad.  
› Press the '#' to confirm.

If the 1TouchXL finds a match, you will hear a short melody indicating a successful authentication and the 1TouchXL will be unlocked!

### Opening the Door with a Remote



The remote has a slide cover to prevent accidental unlocking

- › The Unlock button causes the device motor to unlock the unit for 5-7 seconds
- › The unit will relock in 6 seconds.

The remote is battery powered.

**At this time, the 1TouchXL/XLS Remote Lock button is not functional.**







### Opening the Door with a Wakeup Code + Fingerprint



The “Wake-up Code” Access Mode must be enabled for wake-up code + fingerprint authentication to function. Also, make sure the “Fingerprint” Access Mode is unchecked! Please see section VI - Access Modes.

- › Lift the scanner cover of the 1TouchXL.
- › Enter the wake-up code then press the “\*” button.
- › The fingerprint scanner will activate. Place your registered fingerprint on the blue scanner.

The 1TouchXL will make several attempts to match your fingerprint. You should hear a single beep each time a match is attempted. If the 1TouchXL finds a match, you will hear a short melody indicating a successful authentication and the 1TouchXL will be unlocked!

If, after several attempts, the 1TouchXL is not able to authenticate the fingerprint, the scanner will shut off. If the process of authenticating fails 5 times in a row, the lock will automatically shut down for 2 minutes.

### Opening the Door with a Mechanical Key



The Mechanical key can be used at any time to open the door! No batteries are necessary for the Mechanical key to function.

- › Insert the Key Cover Extraction Tool into the hole in the Key Cover.
- › Twist 90 degrees and pull the cover off of the key hole.
- › Insert the 1TouchXL key into the keyway and turn fully clockwise - approximately 135 degrees.
- › While the key is fully turned, push on the door handle to open the door.





## SECTION III: PASSAGE MODE



### Passage Mode Overview



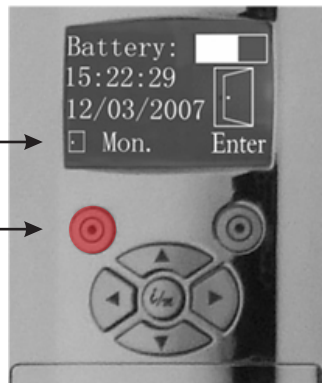
Master users and Normal users are capable of toggling the Passage Modes. However, Guest users cannot toggle the Passage Modes!

The 1TouchXL has a “Passage Mode” which allows you to keep the lock unlocked when necessary. The Passage Mode toggles between a locked and unlocked state.

### Toggling Passage Mode

Passage Mode  
Toggle Indicator

Left Function  
Button



- › Press the Menu Button to activate the 1TouchXL menu screen.
- › Press the Left Function Button to toggle the Passage Mode.

If you are enabling the unlocked Passage Mode, a Master or Normal user will be required to authenticate with the fingerprint scanner before enabling the mode. However, no authentication is required to toggle to the locked Passage Mode.



## SECTION IV: USER MANAGEMENT



## User Management Overview

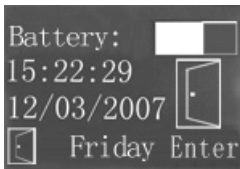
The 1TouchXL has three types of users - Master, User (normal user) and Guest. The following is a breakdown of each type:

**Master** - A master user has the ability to fully manage all users, system settings and modes

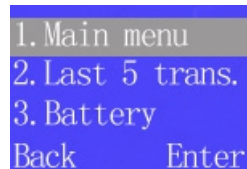
**User** - A "User" is a normal user that has the ability to unlock the door and toggle the Passage Mode (see section III - Passage Mode). Optionally, this type of user may be assigned permission to create new Guest users.

**Guest** - Guest users are given a period of time in which their accounts are valid. After the allotted time, the account may be automatically removed. A guest user only has the ability to unlock the door. None of the administrative functions, including Passage Mode (see section III - Passage Mode) may be accessed by a Guest user.

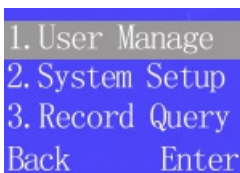
## Adding a New User



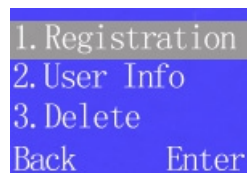
**Step 1:** Press Enter (Right Function Button) at the Menu screen.



**Step 2:** Select "Main menu" and press Enter.



**Step 3:** Select User Manage and press Enter.



**Step 4:** Select Registration and press Enter.

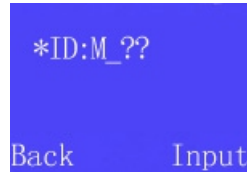
Continued on the Next Page...



### Adding a New User - Continued



**Step 5:** Choose the desired user type and press Enter.



**Step 6:** Each user ID is prefixed with “M\_” for Master, “U\_” for User and “G\_” for Guest. Press Input to add the ID number.



**Step 7:** Highlight the desired number and press Sel to select the number. Finally, highlight OK and press Sel to confirm.



**Step 8:** Select Ok and press Enter.



**Step 9:** Press Input to add a user name to the user ID.



**Step 10:** Highlight the desired letters and press Sel to select the letter. Finally, highlight OK and press Sel to confirm.

**NOTE:** If you are adding a standard User, you will be presented with a screen asking “Allow this user for registration”. This option, when checked, allows this user to register Guest users. If you would like to enable this option press Ok. Otherwise, press Next to continue.



**Step 11:** The user has been added. Press Ok to continue.

Continued on the Next Page...



### Adding a New User - Continued

1st finger ☐  
2nd finger ☐  
3rd finger ☐  
Back Ok

**Step 12:** Highlight “1st Finger” and press Ok.

Pls press your  
finger first!  
Back

**Step 13:** Using the “Tips” in the Fingerprint Recognition Notes section, place your finger on the scanner.

Pls press your  
finger second!  
Back

**Step 14:** Replace the SAME finger. The 1TouchXL will store two copies of each finger.

Success!  
Back

**Step 15:** You will see the “Success” screen after each finger is successfully enrolled. Press Back to continue.

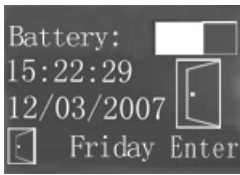
**Repeat Steps 12 - 15 for each finger. You should register 3 different fingers!**

1st finger ☒  
2nd finger ☒  
3rd finger ☒  
Back Ok

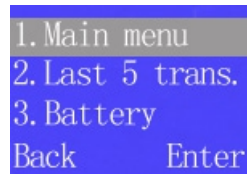
**Step 16:** After registering all 3 fingers, press Back to complete the process.



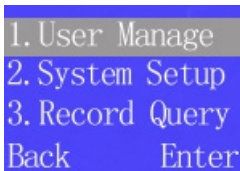
### Adding a Password



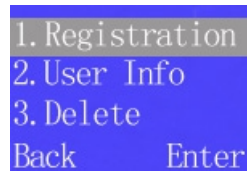
**Step 1:** Press Enter (Right Function Button) at the Menu screen.



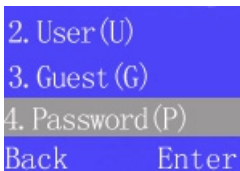
**Step 2:** Select "Main menu" and press Enter.



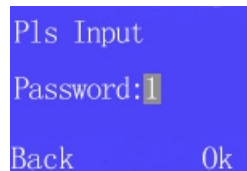
**Step 3:** Select User Manage and press Enter.



**Step 4:** Select Registration and press Enter.



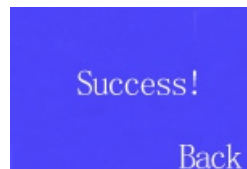
**Step 5:** Highlight Password and press Enter.



**Step 6:** You may enter up to three passwords. Enter the number (1-3) for password slot you would like to add and press Ok.



**Step 7:** Highlight the number you would like to add to the password and press Sel. When finished, highlight Ok and press Sel.



**Step 8:** The password has been added. Press Back.

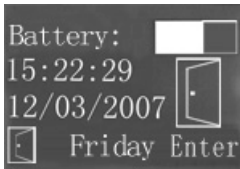




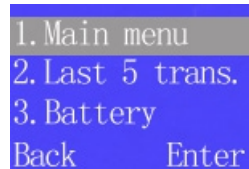
### Modifying Existing Users

Modifying existing users on the 1TouchXL is accomplished by following the steps in the Adding New Users section. When prompted for the ID number, simply enter the ID number of the user that you wish to modify. A screen will appear stating that the user exists. To modify the user press Ok.

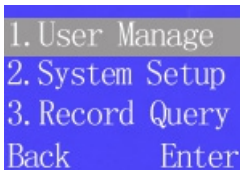
### Deleting Users



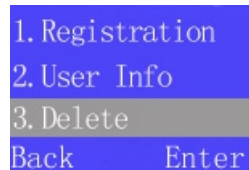
**Step 1:** Press Enter (Right Function Button) at the Menu screen.



**Step 2:** Select "Main menu" and press Enter.



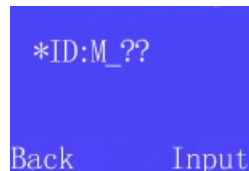
**Step 3:** Select User Manage and press Enter.



**Step 4:** Select Delete and press Enter.



**Step 5:** Select user type and press Enter.



**Step 6:** Press Input to enter the user ID.



### Deleting Users - Continued



**Step 7:** Highlight the desired number and press Sel to select the number. Finally, highlight OK and press Sel to confirm.

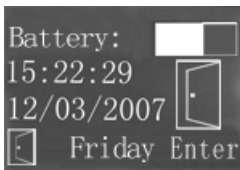


**Step 8:** Press Del to delete the user.

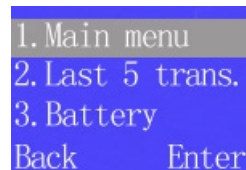


**Step 9:** The user has been deleted! Press Exit.

### Deleting Passwords



**Step 1:** Press Enter (Right Function Button) at the Menu screen.



**Step 2:** Select "Main menu" and press Enter.



### Deleting Passwords - Continued

1. User Manage  
2. System Setup  
3. Record Query  
Back Enter

**Step 3:** Select User Manage and press Enter.

1. Registration  
2. User Info  
3. Delete  
Back Enter

**Step 4:** Select Delete and press Enter.

2. User (U)  
3. Guest (G)  
4. Password (P)  
Back Enter

**Step 5:** Highlight Password and press Enter.

Password 1  
Back Enter

**Step 6:** Highlight the password you wish to delete and press Enter.

Password 1  
Deleted !  
Exit

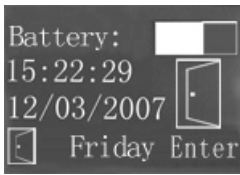
**Step 7:** The password is deleted! Press Exit to continue.

Success!  
Back

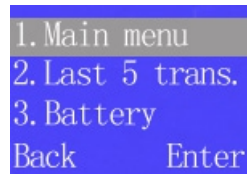
**Step 8:** The password has been deleted. Press Back.



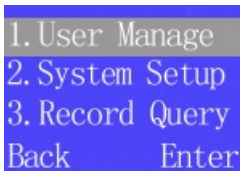
### Viewing User Information



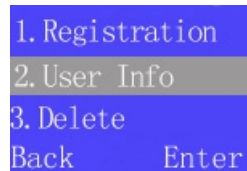
**Step 1:** Press Enter (Right Function Button) at the Menu screen.



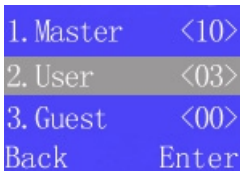
**Step 2:** Select "Main menu" and press Enter.



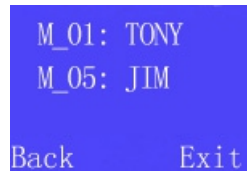
**Step 3:** Select User Manage and press Enter.



**Step 4:** Select User Info and press Enter.



**Step 5:** Highlight the user type you would like to view and press Enter.



**Step 6:** The users are displayed. Press Exit when finished viewing.



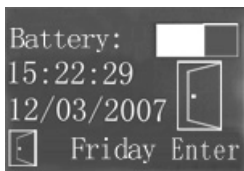
SECTION V:  
AUDIT LOG / EVENT LOG



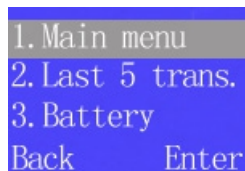
## Audit Log / Event Log Overview

The 1TouchXL creates a log record each time a user authenticates with the lock. These events can be viewed directly on the 1TouchXL.

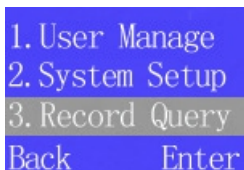
## Query Events by Date



**Step 1:** Press Enter (Right Function Button) at the Menu screen.



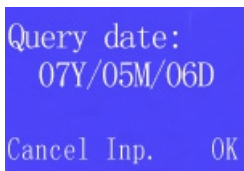
**Step 2:** Select "Main menu" and press Enter.



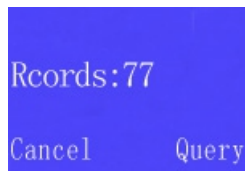
**Step 3:** Select Record Query and press Enter.



**Step 4:** Select By Date and press Enter.



**Step 5:** Use the Navigation Buttons to adjust the date. When finished adjusting, highlight Inp. and press Ok.



**Step 6:** The total number of matching records is displayed. Press Query to view each record.

Continued on the Next Page...



## Query Events by Date - Continued

```
Mo1:TONY
08:22:23.
06:04:07 1
Back      Exit
```

**Step 7:** Use the Navigation Buttons to view each matching record. Press Exit when finished.

## Query Events by Name

```
Battery: ☐
15:22:29
12/03/2007 
 Friday Enter
```

**Step 1:** Press Enter (Right Function Button) at the Menu screen.

```
1. Main menu
2. Last 5 trans.
3. Battery
Back      Enter
```

**Step 2:** Select "Main menu" and press Enter.

```
1. User Manage
2. System Setup
3. Record Query
Back      Enter
```

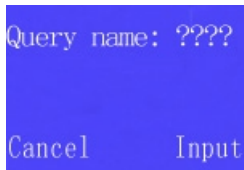
**Step 3:** Select Record Query and press Enter.

```
1. By Date
2. By User
3. One by one
Back      Exit
```

**Step 4:** Select By User and press Enter.



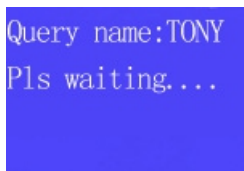
## Query Events by Name - Continued



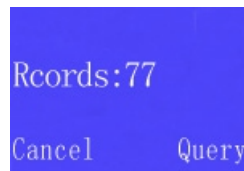
**Step 5:** Press Input.



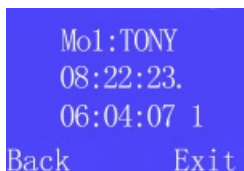
**Step 6:** Highlight the desired letters and press Sel to select the letter. Finally, highlight OK and press Sel to confirm.



**Step 7:** Wait for the 1TouchXL to finish searching the database.



**Step 8:** The total number of matching records is displayed. Press Query to view each record.

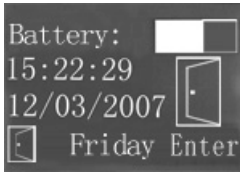


**Step 9:** Use the Navigation Buttons to view each matching record. Press Exit when finished.

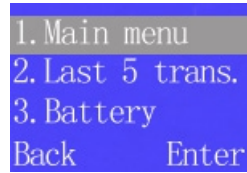




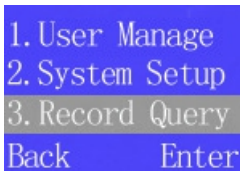
## Query Events “One by One”



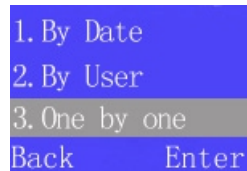
**Step 1:** Press Enter (Right Function Button) at the Menu screen.



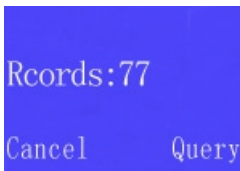
**Step 2:** Select “Main menu” and press Enter.



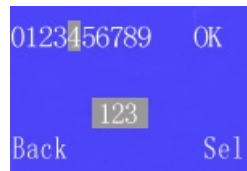
**Step 3:** Select Record Query and press Enter.



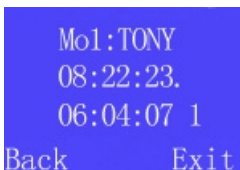
**Step 4:** Select One by one and press Enter.



**Step 5:** The total number of records is displayed. Press Query to view each record.



**Step 6:** Determine the number of records to view. Highlight the number you would like and press Sel. When finished, highlight Ok and press Sel.



**Step 7:** Use the Navigation Buttons to view each matching record. Press Exit when finished.



## **SECTION VI: ACCESS MODES**



### Access Modes Overview

The 1TouchXL can be configured for multiple forms of authentication. The following is a summary of each type:

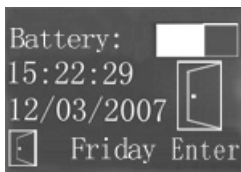
**Fingerprint** - The user is required to place their finger on the scanner for authentication.

**Password** - A user can use one of three possible passwords to authenticate with the 1TouchXL

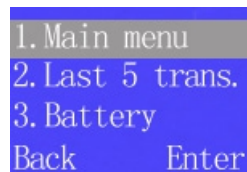
**Wakeup Code + Fingerprint** - First, the user must enter a Wakeup Code. If the Wakeup Code is valid, the user will need to place their finger on the scanner to authenticate. This mode is the most secure as it requires two forms of authentication

**Mechanical Key** - The 1TouchXL comes with 3 “dimple” keys. These keys can be used to open the door when it is not possible to use any of the other methods.

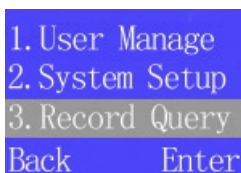
### Modifying Access Modes



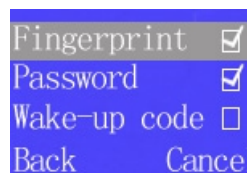
**Step 1:** Press Enter (Right Function Button) at the Menu screen.



**Step 2:** Select “Main menu” and press Enter.



**Step 3:** Select Access Mode and press Enter.



**Step 4:** Use the Navigation Buttons to highlight the desired Access Modes. Press Ok or Cancel to toggle the selection. Note: Fingerprint must be unchecked before enabling the Wake-up Code mode.



## SECTION VII: SYSTEM SETUP



### System Setup Overview

Many of the 1TouchXL's features require an initial configuration. Other options are not required but may be modified to improve battery life and/or the user's experience. Below is a summary of these settings:

**Communications Setup** - This setting only applies to the 1TouchXLN. This option allows for the configuration of the network module.

**System Information** - While not an actual setting, this option displays information about the 1TouchXL.

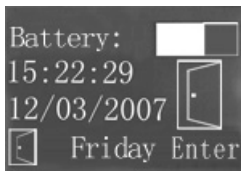
**Date / Time Setup** - This option allows the user to change the Date and Time on the 1TouchXL.

**Backlight Settings** - This option can be used to change the brightness of the LCD and Pin Pad backlight. Obviously, reducing the backlight intensity will increase the useful battery life.

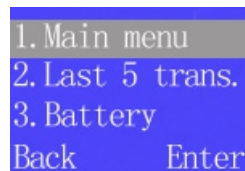
**Language Settings** - At this time the 1TouchXL only supports the English language.

**Initialize Lock** - This option is used to remove all users from the lock. **WARNING:** The use of this option will irreversible remove ALL users from the 1TouchXL lock!!

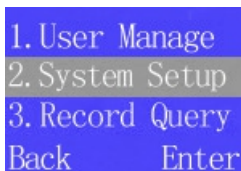
### System Information



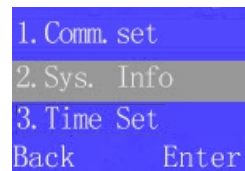
**Step 1:** Press Enter (Right Function Button) at the Menu screen.



**Step 2:** Select "Main menu" and press Enter.



**Step 3:** Select System Setup and press Enter.

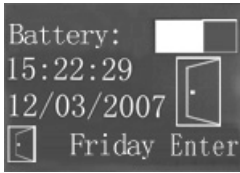


**Step 4:** Select Sys. Info and press Enter. This will display the System Info screen.

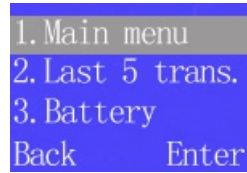
Continued on the Next Page...



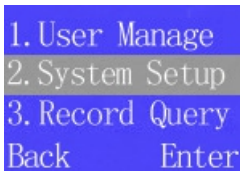
### System Information



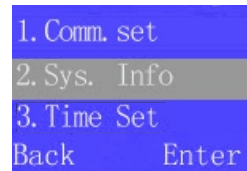
**Step 1:** Press Enter (Right Function Button) at the Menu screen.



**Step 2:** Select "Main menu" and press Enter.

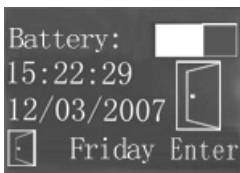


**Step 3:** Select System Setup and press Enter.

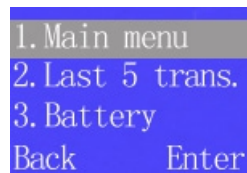


**Step 4:** Select Sys. Info and press Enter. This will display the System Info screen.

### Date / Time Setup



**Step 1:** Press Enter (Right Function Button) at the Menu screen.



**Step 2:** Select "Main menu" and press Enter.



### Date / Time Setup - Continued

1. User Manage  
2. System Setup  
3. Record Query  
Back Enter

**Step 3:** Select System Setup and press Enter.




2. Sys. Info  
3. Time set  
4. Back light  
Back Enter

**Step 4:** Select Time Set and press Enter.

17:23:01  
29/04/2007  
Back Input OK

**Step 3:** Use the Navigation Buttons to adjust the date and time. When finished adjusting, highlight Input and press Ok.

### Backlight Settings

Battery:   
15:22:29   
12/03/2007  
 Friday Enter

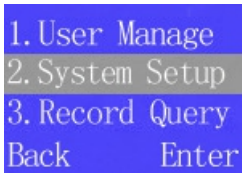
**Step 1:** Press Enter (Right Function Button) at the Menu screen.

1. Main menu  
2. Last 5 trans.  
3. Battery  
Back Enter

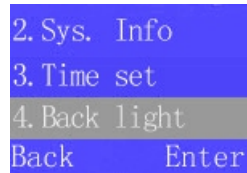
**Step 2:** Select "Main menu" and press Enter.



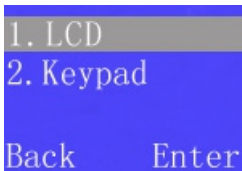
### Backlight Settings - Continued



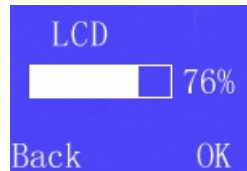
**Step 3:** Select System Setup and press Enter.



**Step 4:** Select Time Set and press Enter.



**Step 5:** Select LCD or Keypad and press Enter.



**Step 6:** Use the Navigation Buttons to increase or decrease the brightness to the desired setting. Press OK.

### Language Settings

**At this time, the 1TouchXL only supports the English Language**

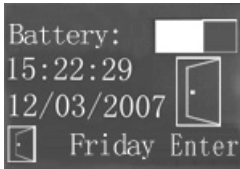




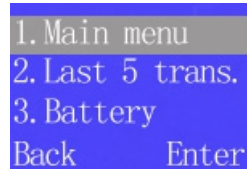
### Initialize Lock (Factory Default)



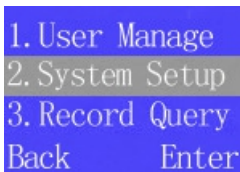
**The Initialize Lock setting will irreversible remove ALL users from the 1TouchXL**



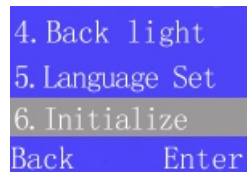
**Step 1:** Press Enter (Right Function Button) at the Menu screen.



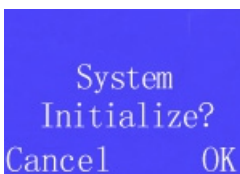
**Step 2:** Select "Main menu" and press Enter.



**Step 3:** Select System Setup and press Enter.



**Step 4:** Select Initialize and press Enter.



**Step 5:** If you are sure that you want to delete ALL users, select OK and press Enter.