

## UNDERSTANDING BIOMETRICS

Biometrics are methods of authenticating the identity of a person based on physiological or behavioral characteristics. Biometric fingerprint authentication refers to technology that measures and analyzes human physical characteristics for identification and authentication purposes.

Everyone is known to have their own unique individual fingerprints. The individuality of each fingerprint can be determined by the pattern of ridges and furrows on the surface of the finger as well as by the minutiae points. Minutiae points are local ridge characteristics that occur at either a ridge bifurcation or a ridge ending. Our company's leading edge engineering group has developed its patented biometric technology to read and match fingerprints with unmatched speed and precision accuracy.

## bioBOX

### Access Control at the Touch of a Finger

bioBOX is the ultimate solution to complete access control. Invented and developed by our company, bioBOX provides safe storage and easily controlled access for handguns, weapons, ammunition, jewelry and other valuable items including: pharmaceuticals, coins, stamps, stocks, bonds, critical data and personal documents. bioBOX requires no external computer or power to function. Flash memory retains fingerprint data even during complete battery or electrical failure.

### Box Contents:

Shipped with your bioBOX are the following items:

- (1) bioBOX
- (1) Security Cable
- (1) Instruction Manual

## GETTING STARTED

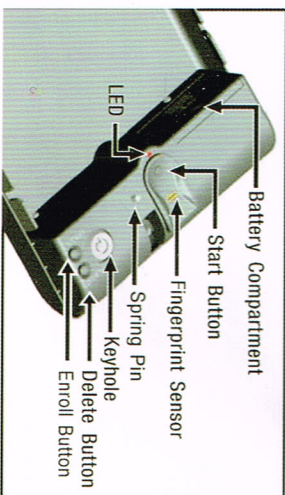


Figure A

**NOTE:** The bioBOX can be accessed either by valid fingerprint or via the keys provided.

- Make sure to remove the backup key from the bioBOX before use
- The key is for emergency use only to unlock the case in the event of fingerprint failure.
- If the key is used to access the bioBOX, it can only be removed from the lock cylinder by returning the key back to its original locked position. Please do not try to remove the key in any other position or this may cause damage.
- Do not try to use the fingerprint sensor and electronic locking system while the key is in the unit.

## ENROLLING NEW USERS

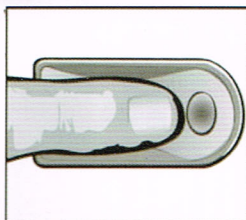


Figure B

1. Press and hold the Enroll Button. You will hear one beep and the LED will flash green indicating the enrollment procedure has started.

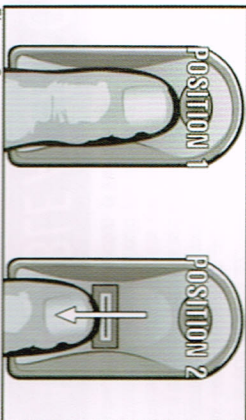


Figure C

2. Place your finger over the sensor with tip of your finger at the top of the finger guide as shown in Figure B.
3. Make sure you have good flat contact with the sensor. Begin to swipe your finger from Position 1 to Position 2 (indicated in Figure C), taking 1 to 2 seconds to complete the swipe. Try to get your entire fingerprint to cross the sensor.
4. Once the swipe is completed you will hear a beep. Repeat Step 3 one more time. If the swipe fails, the LED will flash red and the unit will wait for another swipe.
5. After swiping your finger 4 times the unit will beep twice, this indicates a successful Primary Enroll.
6. The first and the second User shall become the Administrators automatically. The third and the following users need Administrators verify before enroll.

## ACCESSING THE UNIT

**NOTE:** The bioBOX can be accessed either by valid fingerprint or via the keys provided.

### Fingerprint Access

1. Press the Start Button until the green LED turns on and the unit beeps once, wait for fingerprint enrolling.
2. Place your finger over the sensor with the tip of your finger at the top of the finger guide as shown in Figure B.
3. Make sure you have good, flat contact with the sensor. Begin to swipe your finger from Position 1 to Position 2 (indicated in Figure C), it will take 1 to 2 seconds to complete the swipe. Try to get your entire fingerprint to cross the sensor.
4. If the fingerprint match, LED lights out and buzzer beeps two times, green LED lights 1.5 seconds. You need to open the case manually during this period. If the fingerprints do not match, LED lights flash red, the case will not open. If the user who have enrolled can't be recognized, please try again. If the problem persists, please use the key to open the box and delete all enrolled fingerprints, then enroll users again.

### Key Access

**NOTE:** Key Access is intended for backup use only.

1. Insert the key into the front of the unit.
2. Turn clockwise to unlock the unit.
3. Lift the top of the bioBOX to open.
4. To remove the key, close the bioBOX, turn the key counterclockwise.

