



NANO KEY  
**BIOMETRIC 2.0**  
INSTRUCTION MANUAL

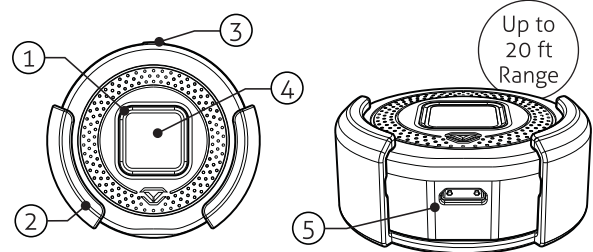


Quick Setup! Scan the code or visit [www.vaultsafe.com/support/](http://www.vaultsafe.com/support/)

Model Name:VSK-NT20

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1. Status LED Ring
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3. Program Button
4. Biometric Scanner
5. Micro-USB Charging Port

Tutorial videos online at [vaulteksafe.com](http://vaulteksafe.com)

## MESSAGE FROM VAULTEK

Thank you for your recent purchase! We believe personal defense should be handled seriously and we are excited for you to experience the ultimate performance in smart-security.

Introducing Nano Key Biometric 2.0, the latest addition to Vaultek's Nano Key lineup, now offering quick secure biometric access to your safe in a discreet package that can be hidden as a panic button or stored in the open.

The proprietary fingerprint authentication technology developed by Vaultek® is now integrated in Nano Key Biometric 2.0 with a fingerprint capacity of up to 20 unique authorized users.

A single user consists of (3) registration scans of the same fingerprint during programming. Once a user's fingerprint is programmed and encrypted, the fingerprint information can not be copied or stolen.

## PRODUCT OVERVIEW

SPECS
3 months on a single charge
2.5 hours to recharge
Up to 20 ft range - varies per model
Stores up to 20 unique fingerprints
One user consists of 3 scans
One Admin print

Security Sleep Feature: Activates when six (6) consecutive incorrect fingerprints are scanned and does not accept any scans for four (4) minutes. If a finger is placed during this mode, the LED ring will flash RED and the alarm beeps.

Low Battery Warning: During standby once the battery is low, the LED ring flashes RED and sounds several rapid beeps every 5 minutes and continues until battery dies. Learn more about battery functions on page 19.

## INSTALLATION

Nano Key Biometric 2.0 is equipped with a mounting bracket and double stick adhesive. The mounting bracket can be installed where preferred for quick access to your safe.

Nano Key Biometric 2.0 can open your safe within a range of up to 20 feet.

**TIP!** Before mounting the bracket, test the range of Nano Key to ensure access can be granted from your desired mounting location.

## PROGRAMMING ADMIN PRINT (First User)

**The first programmed fingerprint is considered the Admin print.** This print is necessary to authorize adding in additional users or to authorize the deletion of all prints.

**Step 1** To get started, quickly press the top PROGRAM button. The LED ring will turn solid RED indicating you can place your finger on the scanner for the first of (3) registration scans. Place your thumb or finger on the scanner, when you hear a confirmation beep and the LED ring flashes GREEN, lift your finger and

#### PROGRAMMING ADMIN PRINT (First User)

repeat two more registration scans to complete programming for the first user.

**TIP!** Reposition the fingerprint on the scanner for each registration scan to trap varying angles and store more print information. See page 10 for more TIPS.

**TIP!** If you hear two beeps and the LED ring stays RED, the scan was not accepted and you will need to start again.

#### PROGRAMMING ADDITIONAL PRINTS (Prints 2-20)

**After the Admin print has been locked in, you can add additional users or fingerprints, up to 20 unique users in total.** This is very helpful in the event Nano Key Biometric 2.0 is having a hard time reading your initial print, or if you wish to grant other users authorized access to your safe.

**Step 1** To get started, quickly press the top PROGRAM button. The LED ring will turn solid YELLOW requesting you to place the Admin print on the scanner to authorize the request.

Continue on the next page.

#### PROGRAMMING ADDITIONAL PRINTS (Prints 2-20)

When successful, you will hear a confirmation beep and the LED ring will flash GREEN then back to RED indicating you can proceed with the first of (3) registration scans for additional prints. Place your thumb or finger on the scanner, when you hear a confirmation beep and the LED ring flashes GREEN, lift your finger and repeat two more registration scans to complete programming.

**TIP!** If you hear two beeps and the LED ring stays RED, the scan was not accepted and you will need to start again.

**TIP!** A total of 19 fingerprints can be programmed outside the first Admin print.

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#### PROGRAMMING TIPS (4 Total)

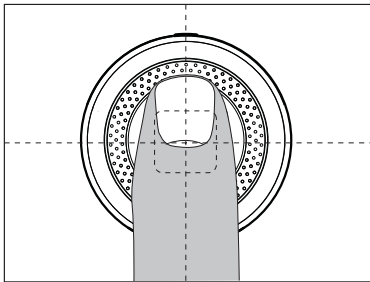
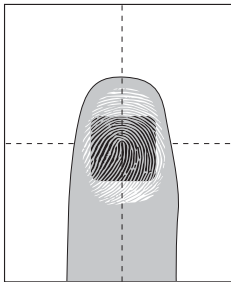
The following tips are helpful for the most accurate programming.

**1 When scanning, be sure and aim the cuticle of your finger or thumb flat over the center of the scanner** (this places the center of your fingerprint in the middle of the scanner). Reference the image on page 11. Some moisture helps too, dry skin makes your fingerprint hard to read.

More PROGRAMMING TIPS on the next page.

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**PROGRAMMING TIPS** (4 Total)



**PROGRAMMING TIPS** (4 Total)

**2** Biometric technology is dependent on our anatomical information, and in some cases different fingerprints may program better than others. For example, your index finger may not register very well, but your thumb may contain higher detail levels and have a much higher success rate. We suggest to try different fingers and see if you have better results with your thumb.

More PROGRAMMING TIPS on the next page.



### PROGRAMMING TIPS (4 Total)

- 3** During the 3 scan registration process for each finger, lift and reposition your finger at different angles to store more print information.
- 4** Program your thumb two, three, even four times. This again stores more print information if your print is having trouble reading. As an example, you can program a print standing up, then another sitting down to trap different angles. You have an available 20 slots in total to use as needed.

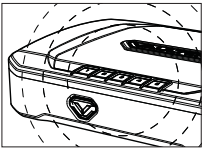
### PAIRING NANO KEY WITH YOUR SAFE

Once fingerprints are programmed and ready to use, Nano Key Biometric 2.0 functions the same as a standard Nano Key. Simply placing a programmed fingerprint on the scanner activates the key to open a paired safe. Refer to your safe's user manual for specific Nano Key pairing instructions. During the pairing process, when the safe is ready to receive the Nano Key transmission, simply scan an enrolled finger into Nano Key Biometric 2.0 and the pairing process will complete. Once Nano Key is paired with your safe, any of the programmed fingerprints in Nano Key Biometric 2.0 will have access to the safe.

## MANUAL PAIRING MODE

Nano Key Biometric 2.0 can be manually paired to a safe if Nano Key needs to be changed to a new safe. Use the following sequence when changing safes if needed.

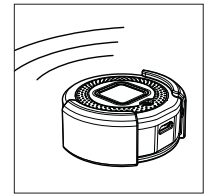
**TIP!** Nano Key Biometric 2.0 can only pair to one safe at a time.



**Step 1** To pair Nano Key Biometric 2.0 with a new safe, first ready the new safe to receive the pairing transmission from the Nano Key.

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**Step 2** On Nano Key, tap the top program button 3 times. This will enter manual pairing mode, and the LED ring will glow YELLOW prompting the scan of an Admin fingerprint.



**Step 3** Scan an Admin fingerprint and Nano Key will pair with the new safe.

**Nano Key can now be used to open the new safe.**

Tutorial videos online at [vaulteksafe.com](http://vaulteksafe.com).

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## DELETING FINGERPRINTS

**This operation will unpair Nano Key Biometric 2.0, and will delete all fingerprints**, you can not individually delete fingerprints.

**Step 1** Press and hold the top PROGRAM button for 3 seconds, until the LED ring starts glowing YELLOW. This is prompting you to scan the Admin print first. The Admin print is the first fingerprint enrolled in Nano Key Biometric 2.0, and must be scanned to authorize the deletion of all prints.

**Step 2** A confirmation beep and GREEN LED ring confirms the delete is complete.

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## FINGERPRINT MANAGEMENT

The fingerprints stored on Nano Key Biometric 2.0 function differently than fingerprints stored locally on a biometric Vaultek® safe. You can not name individual fingerprints, and the safe is not able to read the fingerprint information.

Your safe's history log will record activity as "opened with Nano Key" or something similar. You will not be able to decipher which fingerprint has opened the safe if multiple users are programmed into Nano Key Biometric 2.0.

**TIP!** Deleting all fingerprints will unpair Nano Key.

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## BATTERY FUNCTIONS

Low Battery Warning: When used to open your safe, the LED ring flashes RED and sounds several rapid beeps. This continues every 5 minutes until battery dies to indicate low battery and time to recharge.

### Charging Nano Key Biometric 2.0:

Simply plug in the micro-USB charging cable provided for 2.5 hours to recharge the battery.

**Tip!** Approximate battery life under normal usage is 3 months.

**TIP!** Nano Key Biometric 2.0 can be left plugged in at all times.

**TIP!** Nano Key Biometric 2.0 battery level can be viewed in the Bluetooth 2.0 app.

## TROUBLESHOOTING TIPS

- 1** Make sure you are within range of the safe, approximately 20 feet, for the Nano Key Biometric 2.0 to operate.
- 2** Anytime Nano Key is used to open the safe, if the LED ring flashes RED and sounds several rapid beeps, this indicates battery is low and in need of recharging. Refer to battery information on page 19 and 20.
- 3** For the most accurate programming of your fingerprints into Nano Key Biometric 2.0 refer to pages 10 to 13.

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**TIP!** Tutorial videos online at [vaulteksafe.com](http://vaulteksafe.com).

Still having issues please contact our support team at [support@vaulteksafe.com](mailto:support@vaulteksafe.com) for assistance.

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## WARRANTY

Vaultek® is committed to providing products of high quality and value and makes every effort to ensure its products are free of defects.

Vaultek® guarantees your safe will be free of defects in materials or workmanship for a period of one year from the date of original purchase from an authorized dealer.

The warranty is only valid for the original purchaser and not transferable. This warranty is only valid for products purchased and operated in the U.S. This warranty does not cover abuse, misuse, use in any manner for which is not designed, neglected, modification, damage inadvertently

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caused by the user, accidents and/or tampering.

If service is needed Vaultek will, at its option, exchange or repair without charge for parts or labor. Upon authorization of warranty service, customers are responsible for securely packaging product. Additionally, customers are responsible for costs of shipping to and from Vaultek service center.

If the claimed defect cannot be identified or reproduced, customers will be held responsible for the costs incurred. Please have the following information available before you begin a claim with Vaultek:

-Purchaser's name, mailing address, email address, and a

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## WARRANTY (Continued)

phone number.  
-Copy of receipt or online order number (if purchased directly from us or Amazon)  
-Authorized Dealer Name (if applicable)  
-Detailed description of the problem

NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF, OR THE INABILITY TO USE THE VAULTEK® SAFE.

## FCC STATEMENT

The device has been evaluated to meet general RF exposure requirement, The device can be used in portable exposure condition without restriction. Federal Communication Commission (FCC) Radiation Exposure Statement. Power is so low that no RF exposure calculation is needed.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or

## FCC STATEMENTS (Continued)

TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular

installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.





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