Token

Next-Generation MFA
for the Strongest Security

Token Ring

User Guide

Token

Congratulations on choosing the strongest MFA with the greatest user convenience.

Token Ring provides protection against phishing and social engineering, malware attacks including ransomware, and data breaches.

Table of Contents

What's in the Box? 4

Your Token Ring 5

Getting Started 6

Charging the Token Ring 7

Download the Token App or Utility 8

Fingerprint Registration Tips & Setup Video 9

Token Ring and Mac 10

How to Authenticate 11

Switching Authentication Modes 12

Other Tap Gestures 13

Bluetooth Pairing Your Token Ring 14

Setting Up Token Ring as Your MFA 15

How to Login With Token Ring & BLE 16

How to Login With Token Ring & NFC 17

How to Update Your Token Ring 18

Extra Token Tips 19

Troubleshooting 21

Caring for Your Sensor 22

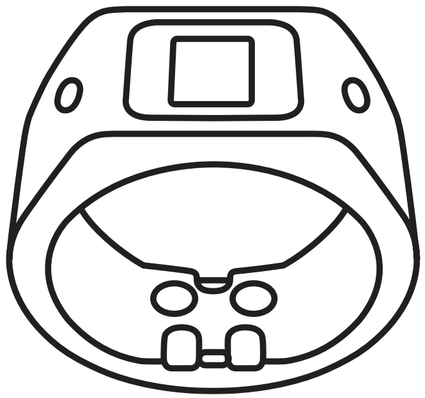
Protecting Your Ring 23

LED Reference Guide 24

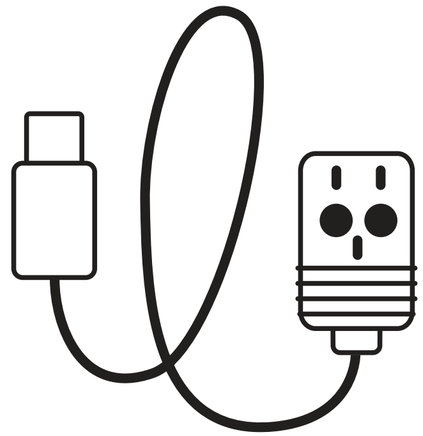
Support 26

Regulatory Information 27

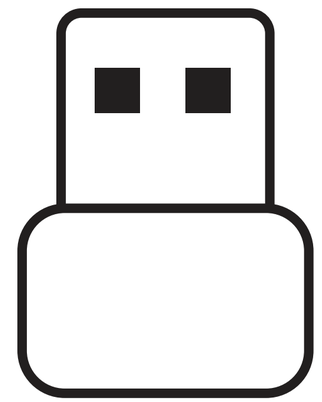
What’s in the Box?



Token Ring

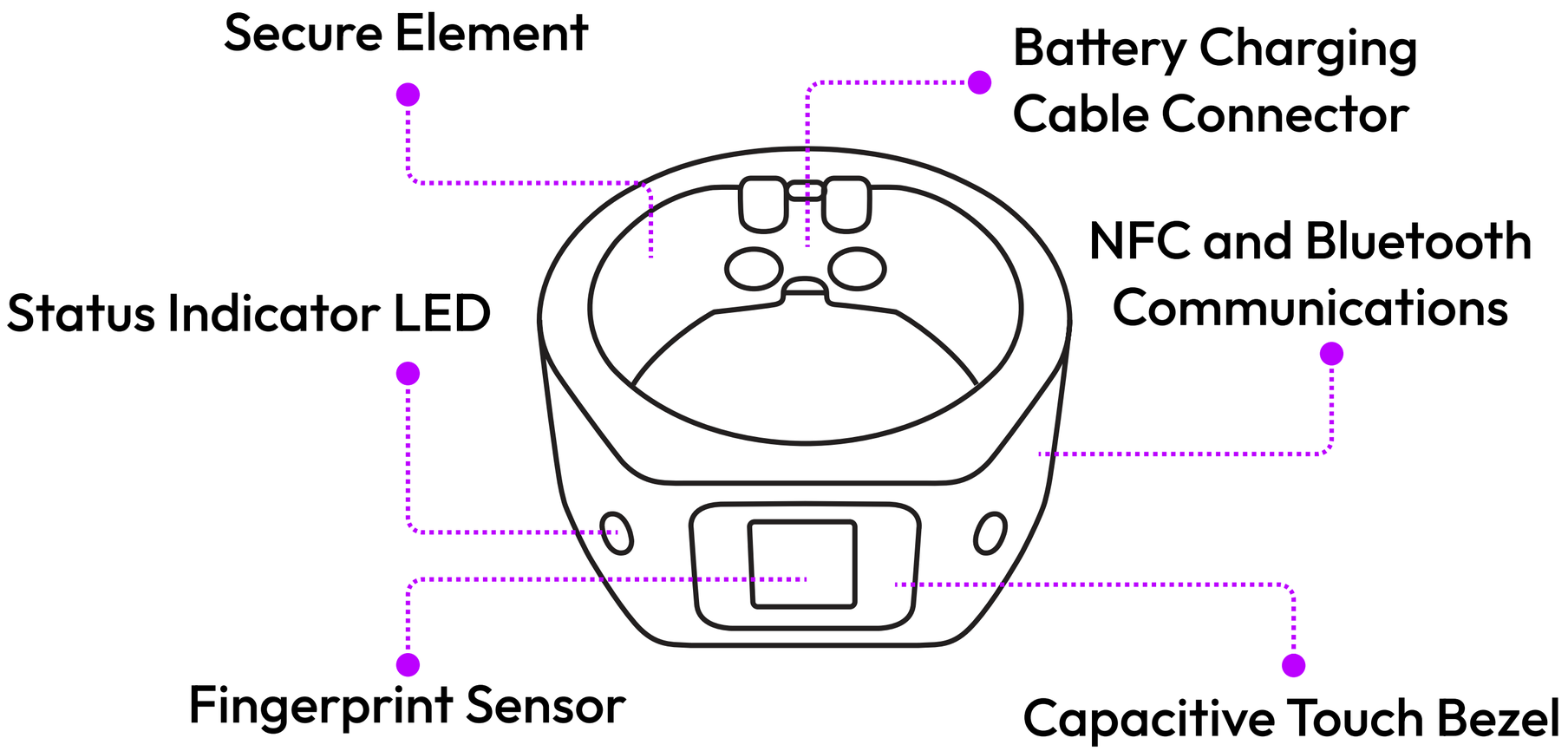


Charging Cable

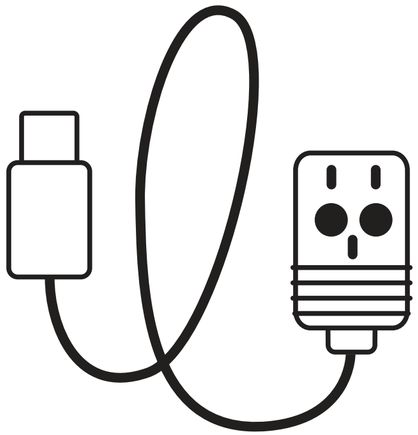


USB-C to USB-A Adapter

Your Token Ring

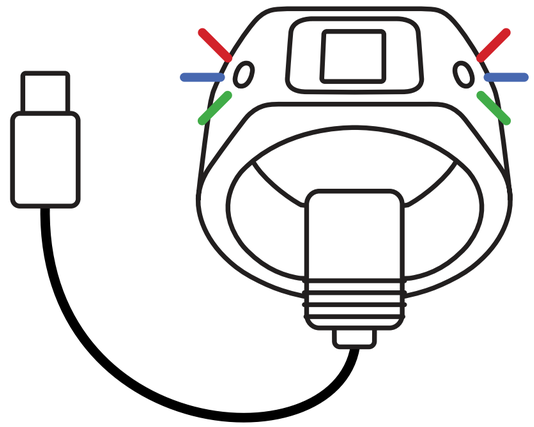


Getting Started



Charging Cable Setup

Remove the charging cable from the box and plug it into a continuous power source. The USB-C can be plugged in directly or used with the included USB-C to USB-A adapter.



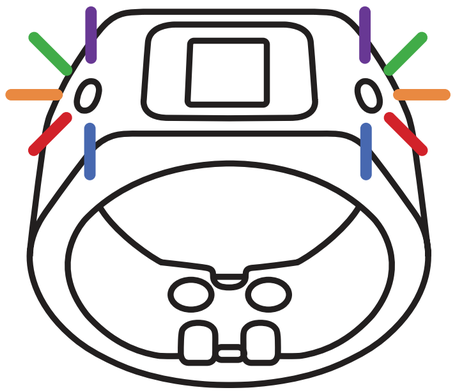
Connecting the Ring

Remove the Token Ring from the package and connect it to the charging cable. The cable and Ring are keyed to prevent misalignment. The LEDs will display a rainbow pattern when charging begins.

Locate your PIN

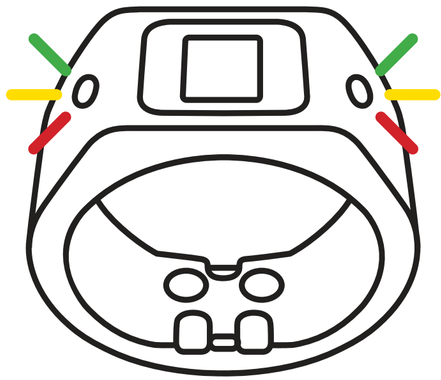
The PIN number is located on the product box and inside the packaging. It can also be derived from the serial number engraved inside the Ring, as seen above.

Charging the Token Ring



Initializing

When the Ring is connected to the charging cable, a rainbow pattern will display on the LEDs indicating charging will begin.



Battery is high

Battery is okay

Battery is low

While the Ring is charging, the LEDs will pulse with the battery status color. When the LEDs turn solid green the charge is full and you may continue with first time setup. The Ring fully charges in 90 minutes.

If the rainbow LEDs do not illuminate when the Ring is connected to the charging cable, double check the alignment of the charging cable pins and ensure they align with the grooves in the Ring.

Download the Token App or Utility

Once your Ring is fully charged and displays solid green LEDs, you are ready to begin setup.

The Token Application is available on multiple platforms. It contains a simple step-by-step guide to completing the first-time setup and fingerprint enrollment with your Token Ring.

The **desktop** versions for Windows and Mac also include steps to complete the Bluetooth pairing process, please visit **tokenring.com/downloads** for access. Mac users, see page 10 for more details.

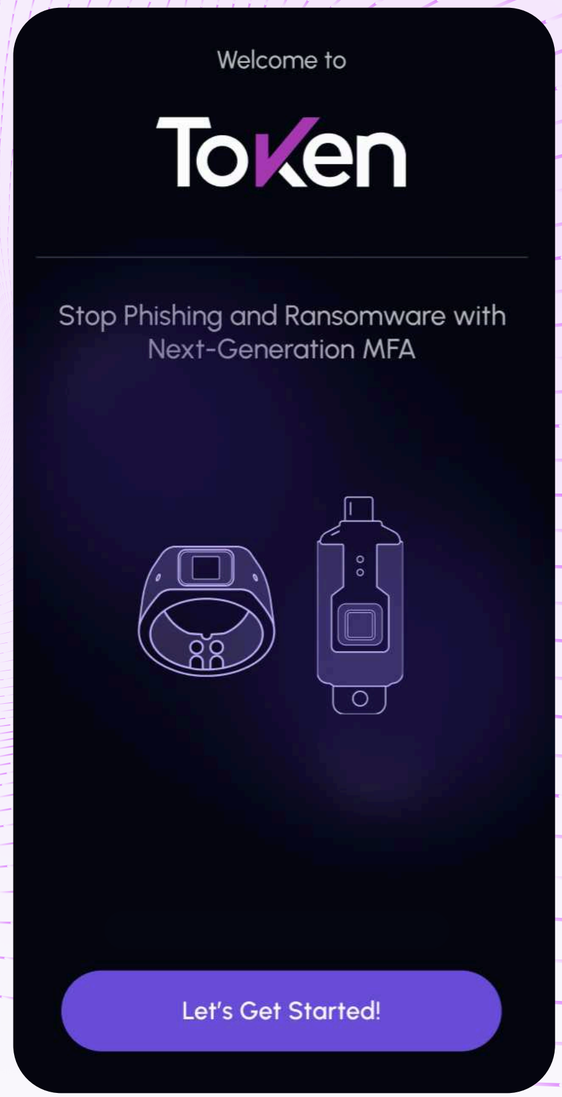
Mobile device users can complete setup by downloading the "**Token Ring**" app, or scanning the QR code below.

Android

IOS

Windows

Mac



Fingerprint Registration Tips & Setup Video

For optimal fingerprint registration, avoid applying excess pressure to the sensor during scans. Think ‘touches’ not pressing a button.

It is best to perform fingerprint registration when both your finger and ring are clean, dry, and not overly hot or cold.

If your hands take a lot of abuse due to hobbies try selecting a finger for scanning that is less likely to be damaged.

Watch the Setup Tutorial

tokenring.com/setup

Token Ring and Mac

Mac does not natively support FIDO authentication over Bluetooth.

Token Desktop Utility

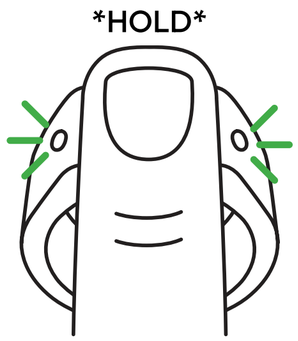
What Is It?

- The Token Desktop Utility provides Mac users with the Bluetooth functionality for FIDO authentication.
- It is also a simple step-by-step guide to setting up and using your Token Ring.
- Once setup is complete, the Token app is not needed for authentications, its primary use is for updating the firmware of your Token device when available.

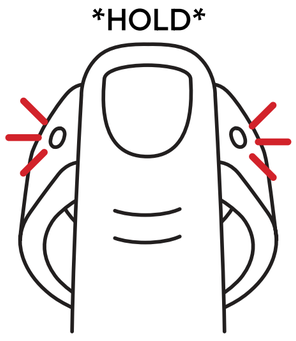
Getting Started

1. Download the Token Desktop Utility from the Mac App Store or visit tokenring.com/downloads.
2. Open the app and accept the Autofill & Passwords permissions presented by the Token Identity Service pop up.
3. Follow the on-screen prompts to complete setup; which includes Bluetooth pairing and fingerprint enrollment.

How to Authenticate



x2 G = Authenticated



x2 R = Authentication Failed

How to Authenticate

- Double tap the fingerprint sensor
- The LEDs will turn solid white — this means it's ready to scan your fingerprint.
- Place the finger you registered on the sensor.
- When you see two green blinks, you've successfully authenticated.
- The LEDs will then pulse purple or blue (NFC or BLE).
- Note: If the LEDs do not blink green right away, small adjustments to finger position can be made.

Seeing Red LEDs?

If the LEDs blink red twice, your fingerprint was not recognized.

Try again:

- Double tap the sensor.
- Adjust your finger position slightly.

If it fails again:

- Make sure your finger is clean, dry, and not cold.
- Check that the sensor is clean and dry.

Switching Authentication Modes

Token Ring supports both NFC and BLE (Bluetooth) for secure wireless communication. The two modes are interchangeable; you have the choice of which you want to use.

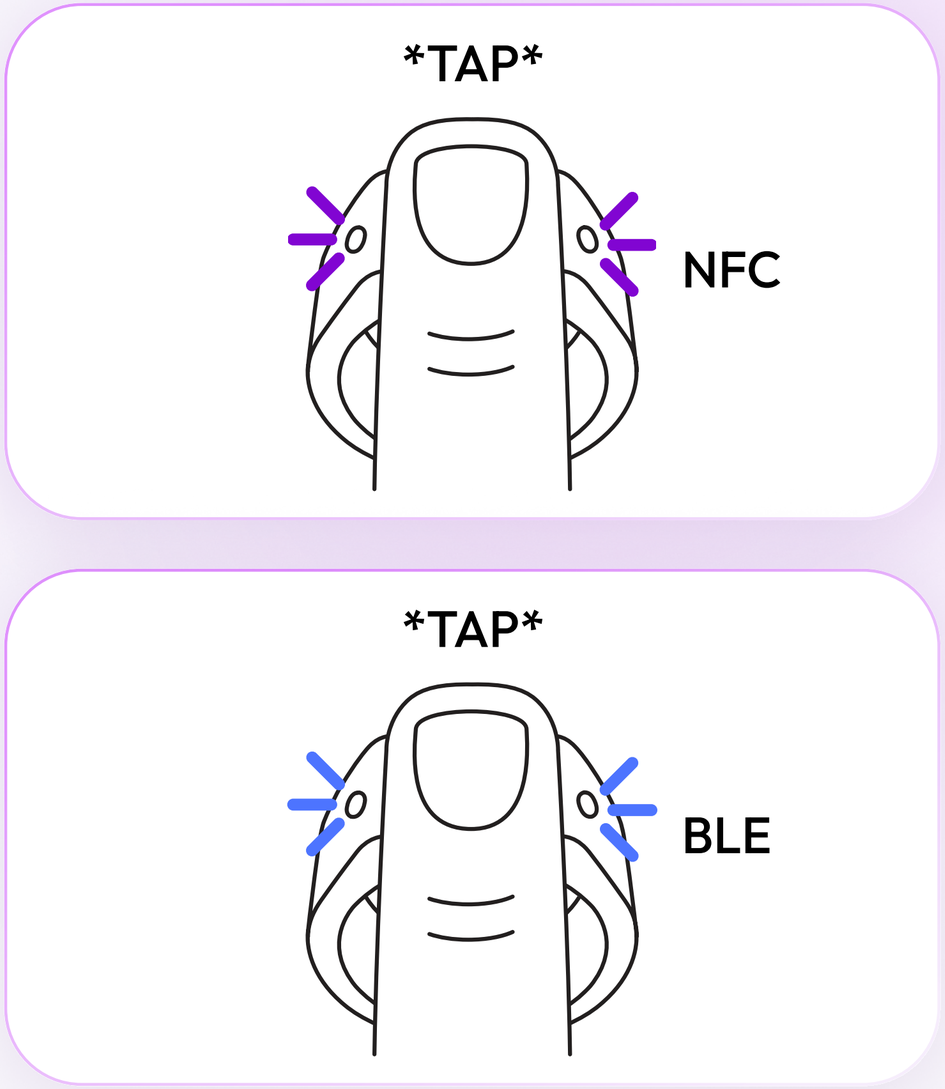
After successful authentication, the Ring will display its current mode with pulsing lights:

Purple = NFC

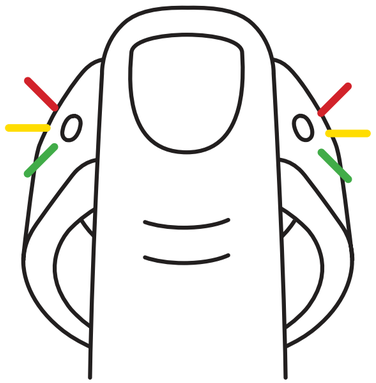
Blue = BLE

To switch the mode, tap the sensor once.

The Ring will remember your last used mode and start in that mode at the next authentication.



Other Tap Gestures

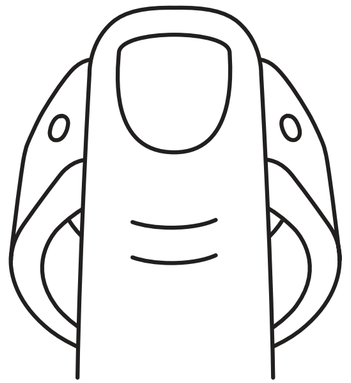


TAP

x 1 G Y R

Checking Battery Status

To check your battery status, do a single tap on the fingerprint sensor. The LEDs will illuminate with the corresponding battery status color.



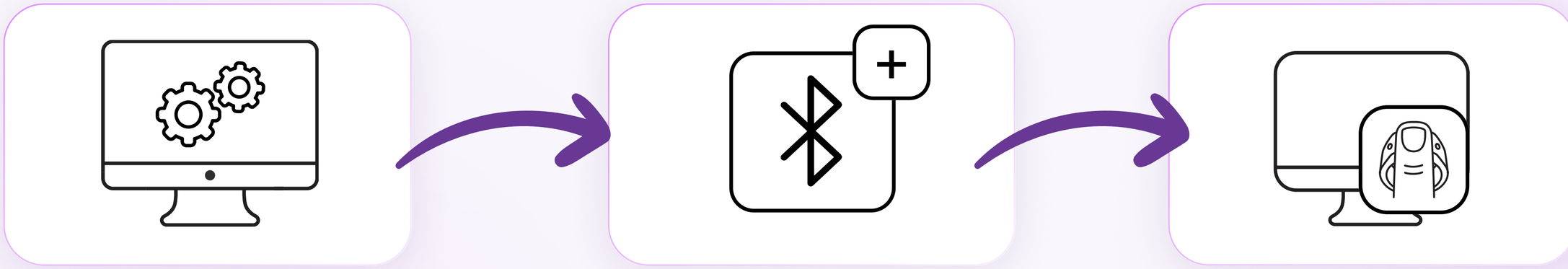
HOLD

Cancelling Any Action

Any active function can be canceled by pressing and holding the fingerprint sensor until the LEDs turn off (approximately 1 second).

Bluetooth Pairing Your Token Ring

If a Token Desktop App was used during first-time setup, the Bluetooth pairing process is complete. If a Token Mobile App was used for setup, or pairing with a different device, Bluetooth pairing can be achieved with the steps below.



Navigate to your Bluetooth settings.

Windows: Locate the **Device Settings** section. If “Bluetooth devices discovery” is present, switch Default to ‘**Advanced**’.

*Note: If you do not see this section you may continue to the next step.

Mac: The Token Desktop Utility is needed to perform BLE pairing with your device (see page 10).

You are now ready to pair your Ring.

Select “**Add device**” then in the pop up window choose “**Bluetooth**”.

Authenticate to your Ring and put it into Bluetooth mode.

i.e. Double tap and scan your fingerprint during the solid white LEDs. Pulsing blue LEDs indicate Bluetooth mode, if you see purple LEDs, tap sensor once to switch modes (see page 12).

With your Ring in Bluetooth mode, **double tap** the fingerprint sensor to enter pairing mode; represented by red and blue flashing LEDs.

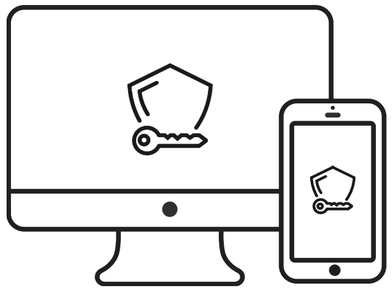
Select your Ring, labeled **TR3-#####** from the list of available devices, enter your **PIN**, and click “**Connect**”.

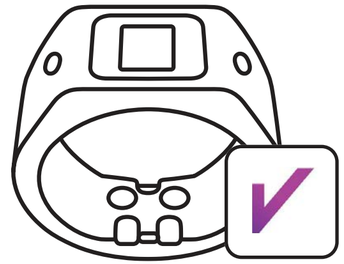
*Note: Your PIN can be found inside the box or derived from the serial number engraved inside the Ring (see page 6).

Note: After pairing, you may notice that your TBK shows as ‘Not connected’ in your Bluetooth settings. This is expected; your BioStick will only broadcast Bluetooth when interacted with, and for 20-30 seconds at a time - because of this, most devices will not update the status to ‘Connected’ in the settings.

Setting Up Token Ring as Your MFA

Secure your online accounts and applications in 3 easy steps





Step 1

Login to the app or service you wish to secure and verify that it supports the use of FIDO2 security keys.

Step 2

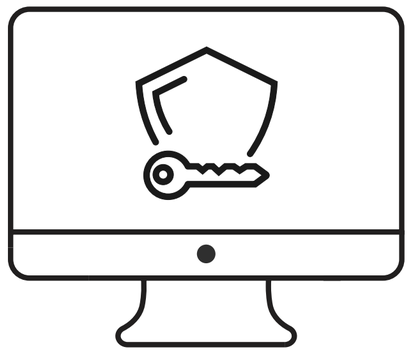
Navigate to the Account Security settings and find the option to add a security key as your two or multifactor authentication. If security key is not an option, choose passkey.

Step 3

Follow the on-screen prompts. You may use NFC or BLE to register your Ring.
Note: BLE requires pairing first (see page 14)

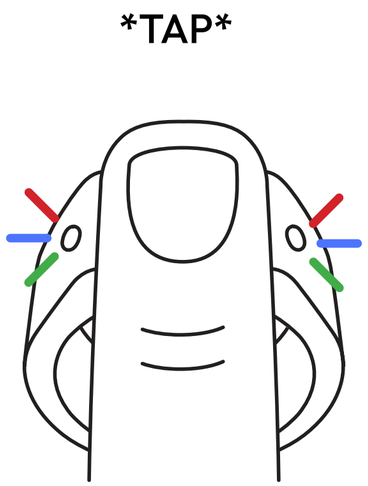
Visit tokenring.com/works-with for a full list of supported applications.

How to Login With Token Ring & BLE



Choose an App or Service

Go to the login screen.
Make sure your Ring is paired to your device (see page 14) and registered with the service (see page 15). Select the option to login using a security key or passkey - instructions may vary between operating systems.

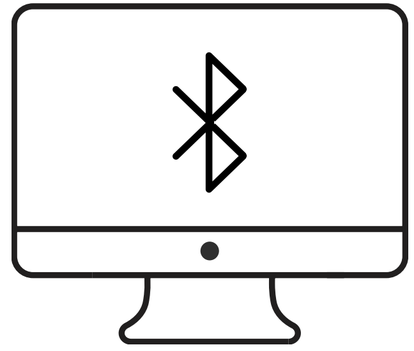


Logging In With Your Ring

When prompted to turn on your Bluetooth security key, **tap once** on the sensor, this will initiate the connection.

During the next prompt, “touch your security key” the LEDs will display solid white, indicating it is ready for fingerprint authentication.

Scan your fingerprint.

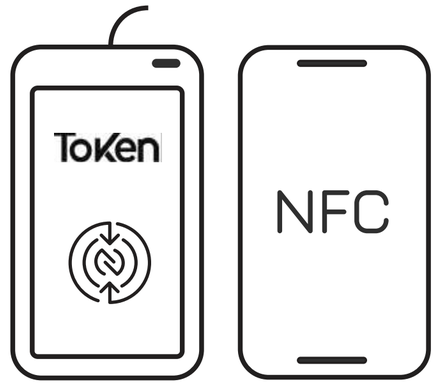


Successful Authentication

Successful authentication will display two green blinks, you are now securely logged in!

If authentication was not successful, you will be prompted to try again, the Ring will display solid white LEDs for another fingerprint scan.

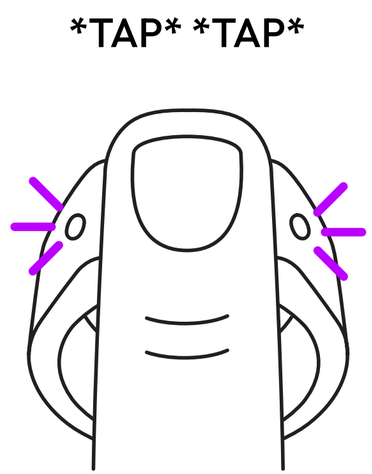
How to Login With Token Ring & NFC



Enable NFC on Your Device

You may use your device's built-in NFC or connect an external reader.

Be sure NFC communication is enabled in your device settings.



Activate NFC Mode

Authenticate to your Ring by **double tapping** the sensor and scanning your fingerprint during the solid white LEDs.

Successful authentication will display two green blinks then pulse **purple** indicating NFC mode. If the pulse is blue, tap once (see page 12 for more details).

Complete Login Using NFC

Place the bottom of the Ring very close to, or touch the NFC reader for 3–4 seconds. Some readers may beep upon scanning, leave the Ring in place until the login prompt clears.

You are now securely logged in!

How to Update Your Token Ring

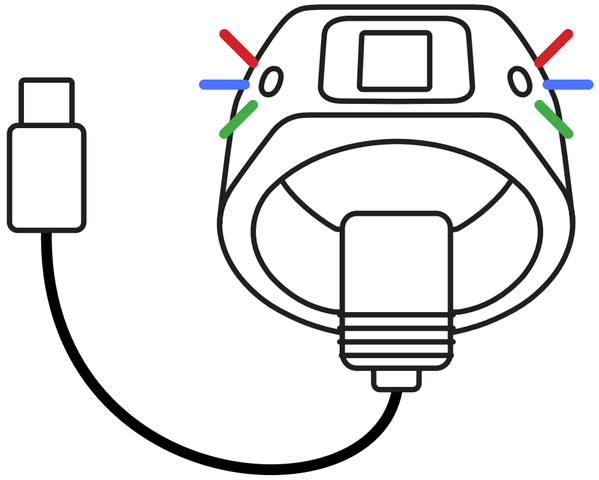
The Token Ring can be easily updated over a secure Bluetooth connection.

How to Update your Ring:

1. Open the Token App.
2. Locate the Details section.
3. If an update is available, select Update.
4. You will be prompted to place the Ring on the charger and click Let’s do it!

- The Token Apps are updated in the same way other applications are; when an update is available it appears in your App or Play store or automatically updates depending on your device settings.

Extra Token Tips



Using the Ring While Charging

The Token Ring can be used while connected to the charging cable. If the battery is fully drained, it may take a few moments for the Ring to wake up.

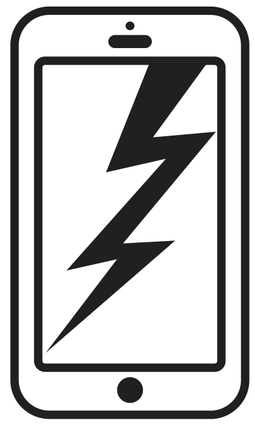
Changing Your Scanned Fingerprint

To use a different finger, at this time you'll need to do a factory reset. Warning! This will erase all stored credentials. Go to Settings > Factory Reset in the mobile app or Utility to begin. See page 9 for fingerprint registration tips.

Extra Token Tips

Logging into Multiple Accounts

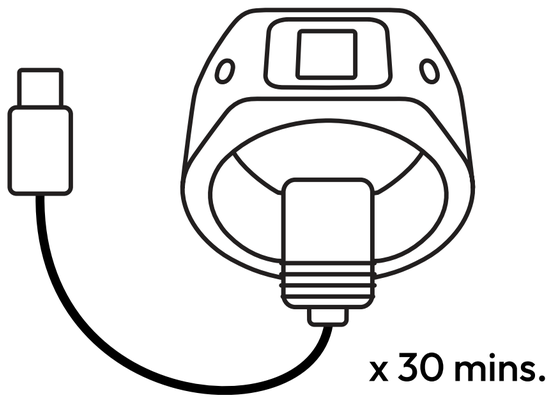
Token Ring can store up to 100 digital credentials, which can be used with many accounts—personal, work, or managed. Simply set it up as your security key in each application (see page 15).



Replacing Your Phone or Laptop?

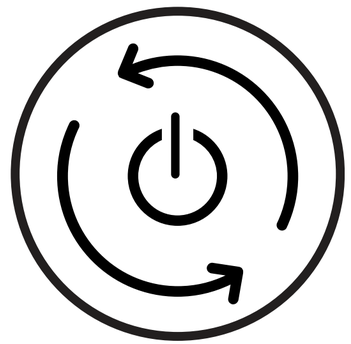
No problem! The Token Ring stores all credentials and biometric data inside its Secure Element. To pair your Ring with a new phone or device, simply download the corresponding Token App and during setup select “Pair a registered device”. If your device is lost or inaccessible, you can still use your Ring for authentication.

Troubleshooting



If the Ring Doesn't Power On

If the LEDs don’t rainbow when the Ring is connected to the charger, double check the cable alignment and power source. If sufficient, leave it on the charger for at least 30 minutes, then try again. If the LEDs still don’t turn on, please contact support.



Repeated Issues or ‘Stuck’ Ring?

If you’re experiencing repeated unexplained issues or your Ring is ‘stuck’, place it on the charger. The rainbow lights indicate charging has begun, but also performs a ‘soft reset’ of the Ring.

Trouble Authenticating

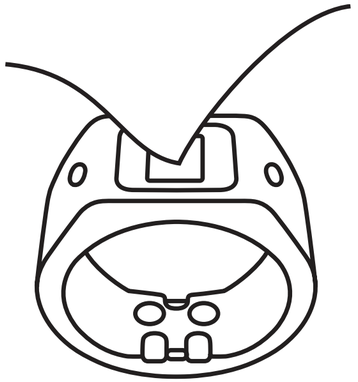
Token Ring scans your finger multiple times in less than a second. If you are consistently failing fingerprint authentication try using a clean cloth to ensure both your finger and the fingerprint sensor are clean, dry, and not overly cold. Also be sure you are using the correct finger.

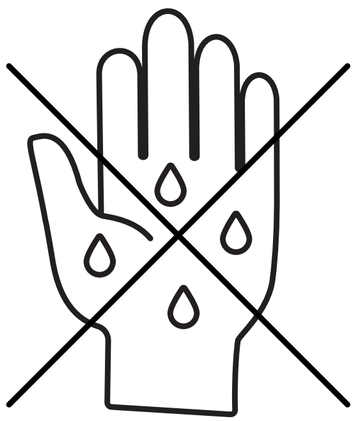
If further assistance or troubleshooting is needed please visit tokenring.com/support

Caring for Your Sensor

The fingerprint sensor works best when it’s clean.

- Use the included purple microfiber cloth to wipe the sensor.
- For deeper cleaning, you may use isopropyl alcohol or a small amount of mild hand soap. Dry the ring completely.
- Warning! Do not use ultrasonic cleaners or jewelry-grade solvents - these can damage the sensor and void the warranty.
- For best results, use the ring with clean, dry, and warm hands.

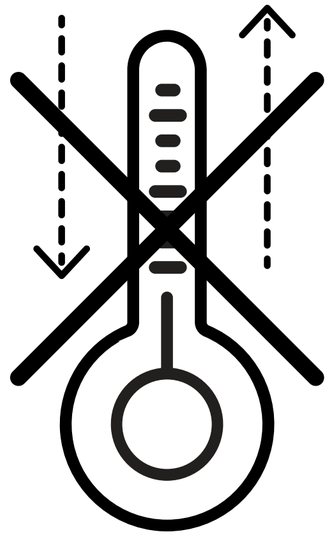




Protecting Your Ring

- Avoid leaving the Ring exposed to extreme hot or cold environments, such as in a car during the heat of summer or the cold of winter.

- To prevent scratching the finish of the Ring, avoid coarse, rough surfaces (such as brick, sand, concrete) and sharp metal (such as car keys, key chains, other jewelry).

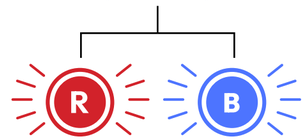


LED Reference Guide

Authentication

Waiting for fingerprint	
Authenticated	
Authentication failed	
NFC mode	
BLE mode	

Other

Battery level	
BLE mode	
Bluetooth pairing mode	

LED Reference Guide

Power Management

Battery off charger

Battery level high 40-100%

Battery level medium 20-39%

Battery level low <20%

Battery on charger

Soft reset/ charging

Battery fully charged

Battery level high

Battery level medium

Battery level low

Errors

Verification failed

Critical error

Thank You!

If you need further guidance, a refresher on setting up security keys, or you encountered any issues, please contact us:

Visit our support page: **tokenring.com/support**
Email us at: **support@tokenring.com**
Call us at: **(866) 328-7464** for assistance.

We regularly add additional written and video implementation guides to our support page. Please let us know if your favorite software is missing and we will assist you.

FCC Regulatory Information

This device (FCC ID: 2AVVU-TOKEN-TR3TBK) 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: 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 rea - sonable 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 regulatory 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.

Warning: Changes or modifications to this device not expressly approved by Tokenize, Inc could void the user's authority to operate the device. Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

RF exposure safety

This product is a radio transmitter and receiver. It's designed not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Responsible party for FCC Compliance:

Tokenize, Inc
4545 East River Road, Suite 310
West Henrietta, NY 14586
585-625-8059
support@tokenring.com

Canada

Innovation, Science and Economic Development Canada (ISED) regulatory information

This device (CAN ICES-1 (B)/NMB-1(B), CAN ICES-3 (B)/NMB3(B); CAN IC: 34578-TOKENTR3TBK) contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference; and

2. This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil (CAN ICES-1 (B)/NMB-1 (B), CAN ICES-3 (B)/NMB3 (B); CAN IC : 34578-TOKENTR3TBK) contient des émetteurs/ récepteurs exempts de licence qui sont conformes aux normes RSS exemptes de licence d'Innovation, Sciences et Développement économique Canada. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage;

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF exposure safety

This product is a radio transmitter and receiver. It is designed not to exceed the emission limits for exposure to radio frequency (RF) energy set by the ISED. This transmitter must not be colocated or operating in conjunction with any other antenna or transmitter.

Ce produit est un émetteur et un récepteur radio. Il est conçu pour ne pas dépasser les limites d'émission pour l'exposition à l'énergie radiofréquence (RF) établie par l'ISDE. L'émetteur ne doit pas être colocalisé ni fonctionner conjointement avec à autre antenneou autre émetteur CAN ICES-1 (B)/NMB-1(B), CAN ICES-3 (B)/NMB-3(B)

This Class B digital apparatus complies with Canadian ICES-001 and ICES-003.

Cet appareil numérique de clase B est conforme à la norme Canadienne ICES-001 and ICES-003.

Token

Next-Generation MFA for the Strongest Security

SKU: Ring-User-Guide-V3.5