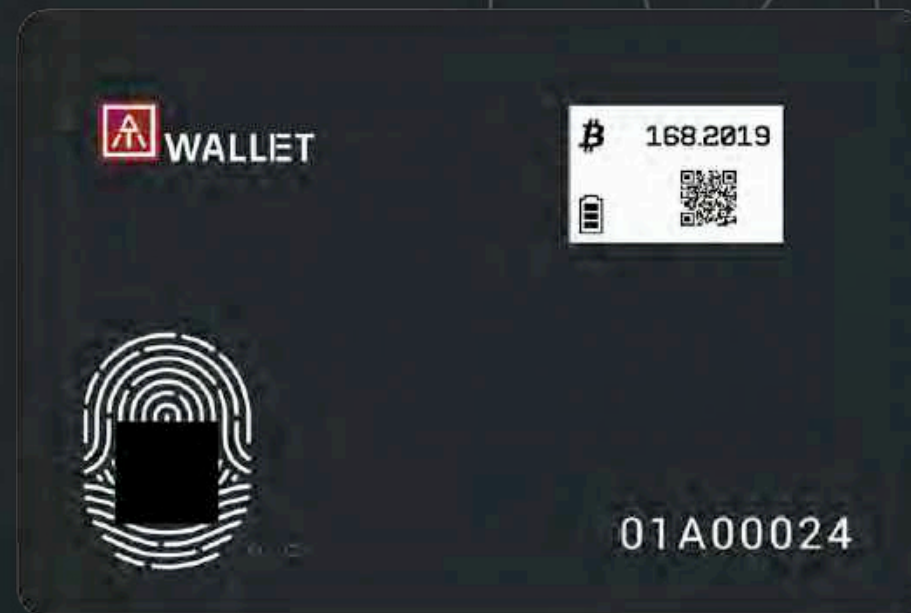# WALLET

Fingerprint enabled Cryptocurrency Wallet

Fingerprint Cold Wallet
Standalone mode for total asset query and QR code
BLE mode for iOS and Android app
USB mode for Windows/Mac/Browsers

USB

Bluetooth SMART

WALLET
₿ 168.2019
01A00024

User Guide Rev: 1.8

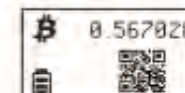Designed with EAL 5+ SE (Infine-on SLE97) to secure Private key and algorithm

Support standalone mode, to work with Mobile app via BLE and PC via USB

Multiple wallets supported; Multiple cryptocurrencies support-ed; Capable to add new currencies

Fingerprint matching to access Wallet and transactions; not unsecure PIN code anymore

₿ 0.567028
Build-in E-ink to display indicators, text and QR code, multiple languages enabled

Mnemonic
Fully compliance with BIP32, BIP39 and BIP44; support multi-lingual mnemonic by BIP39

We believe in a brave new world, where you are the key to everything.

Make your Wallet Secure.
Patented Standalone Mode.
USB + BLE dual interface.
Multiple Wallets and Cryptocurrencies.

CEO
Chief Executive Officer

| Table of Content

Congratulations! You've got your AT.Wallet. Your AT.Wallet will be ready to use in a few moments. Thank you and enjoy!

1) Open up the box and get comfortable with the hardware.
2) Check your box contents.
   - 1 Hardware Wallet
   - 1 USB Cable
   - 2 Recovery Sheets
   - 1 USB Docking

Setting up

E-ink
Display

- Unique code for each card.
- Keycode will be shown on the App to identify your card.
- Keycode is also for tracking – production, service and warranty

Fingerprint
Sensor
Up to 8x fingerprints

LED
#1

LED
#2

Keycode

MicroUSB
Connector

USB Ports

Power
Button

WALLET

- Single-Click - Power ON
- Double-Click - Entering BLE Secure Pairing Mode
- Long-Press Over 4 Seconds - Power OFF (E-ink will refresh from black to blank)

- Connected to USB - Power ON Automatically

WALLET

01A00024

AUTHENTREND

Standalone mode

Single-click - Toggle to The Next Page
- Power ON
- Verify Fingerprint
- Loading → Main Wallet
- 1st Cryptocurrency Summary
- 1st Cryptocurrency QR Code
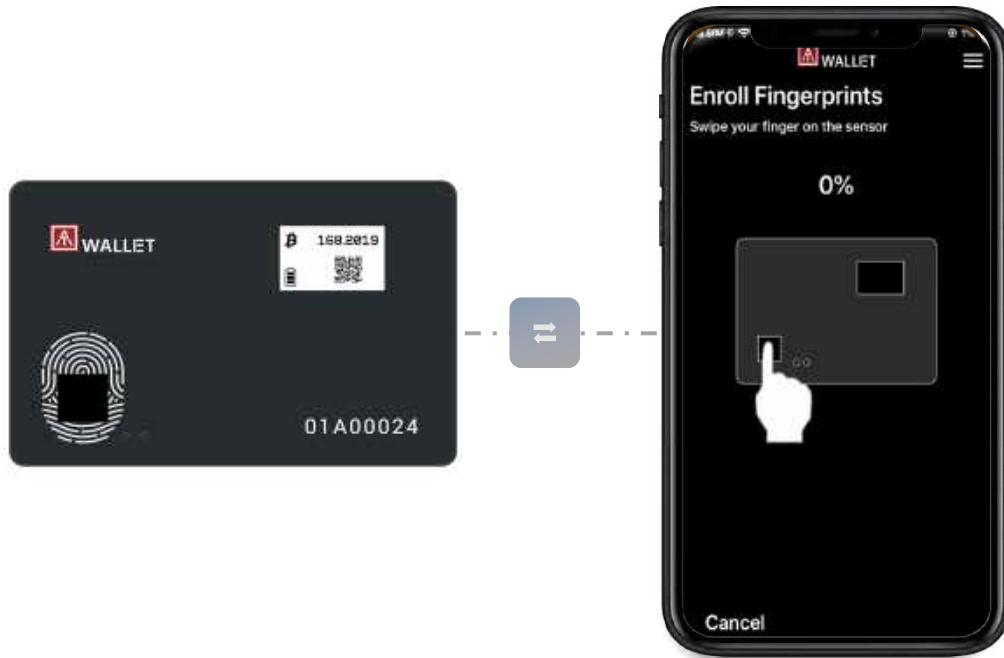- 1st Cryptocurrency Address
- 2nd Cryptocurrency Summary
  …

BLE Mode Power-Saving Policy:

• When AT.Wallet card connects with host app (BLE mode) and there are no operations (app and card) for 60 sec., BLE will disconnect (avoid battery consuming continuously) and the app will remind you about "Session Expired".

• If AT.Wallet card has no BLE or USB connection, it will power off automatically after 120 sec. without any operations to avoid battery consumption.

• Please "Log out" from App and click a specific wallet card to log in again by fingerprint.
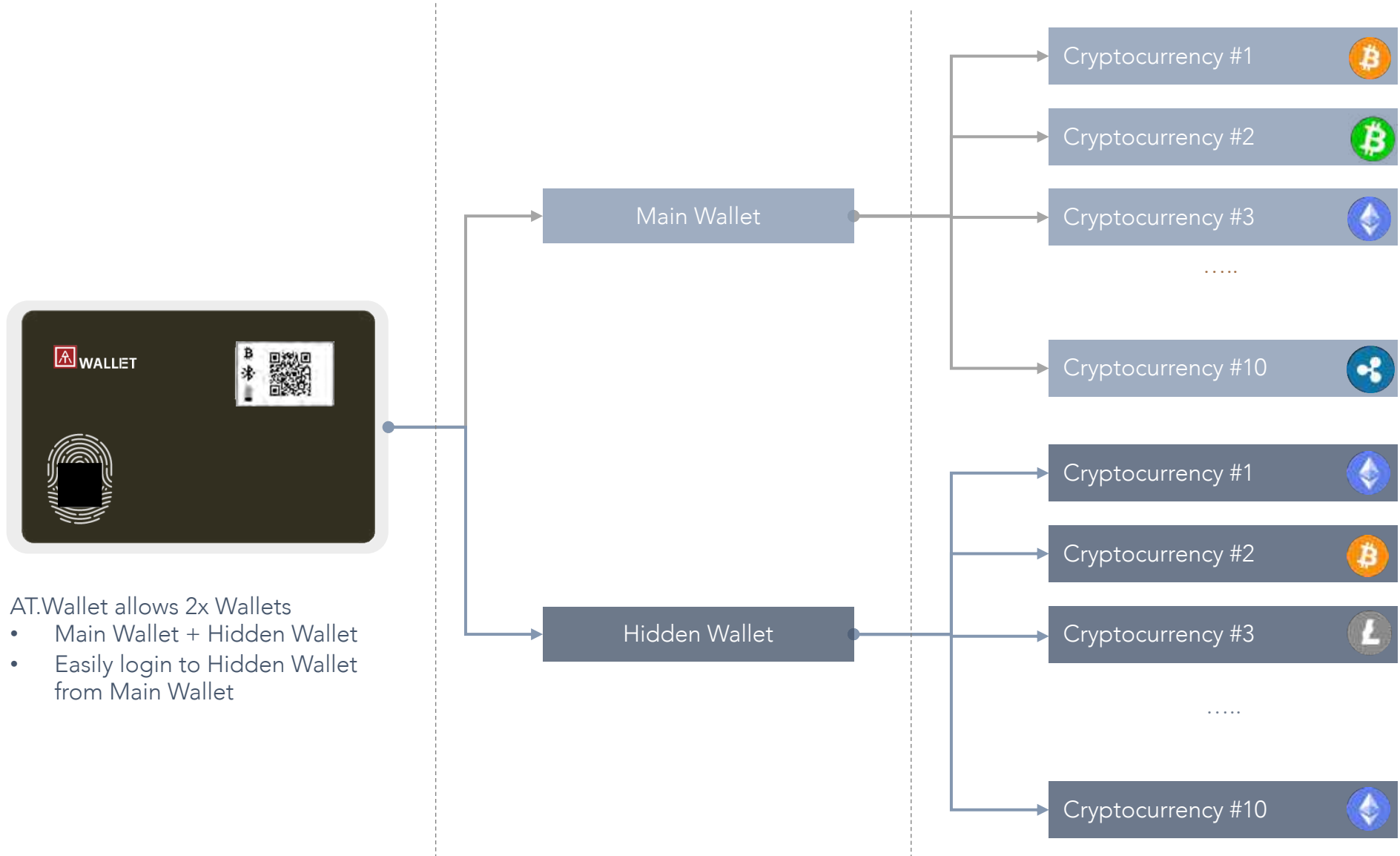
WALLET

Charge your AT.Wallet before the first use.

1) <u>Insert your card into the docking</u> to connect to USB port or any USB adaptor.

2) Download The App- AT.Wallet App

- Mobile

AT.Wallet App

App Store

GET IT ON Google Play

- Desktop

Download on the Mac App Store

https://apps.apple.com/us/app/at-wallet/id1490097962?mt=12
Or search "AT.Wallet"

Download from Windows Store

NOTE:
- If AT.Wallet connects to USB port but nothing happens (no LED ON), please wait for a while since there is the protect circuit to make sure the battery voltage is not lower than 3.0V.
- USB port of PC: USB mode- AT.Wallet can work as USB Wallet with Windows and Mac app
- USB power adaptor: BLE mode- AT.Wallet can work as BLE Wallet with iOS, Android, Windows and Mac app

WALLET

A. Insert Your Wallet into Docking: YouTube - https://youtu.be/mSfReGrRFWg

B. Connect to PC

→ USB icon will appear

→ LED#2 will be yellow flashing (charging process begins)

▶ BLE (Bluetooth Low Energy)
Pair and connect via BLE: Working with the mobile app and the Windows/Mac app.

▶ USB
Stay on Docking via USB to connect with PC by Windows/Mac app.

▶ Standalone mode
Standalone mode to check amount and receive transaction via QR code.

Bitcoin   Bitcoin Cash   Ethereum & ERC20   Litecoin   Dogecoin   Ripple

More cryptocurrencies will be soon supported …

WALLET | Quick Start

Initial Wallet

| 1-1. BLE Pairing
1-2. USB Connection (Mac /Windows app) | 2. Enroll Fingerprint & Matching | 3-1. Create a New Wallet
3-2. Recover your Old Wallet | 4-1. Add Cryptocurrencies
4-2. Select a cryptocurrency & Synchronizations | 5. Transaction(s) or Settings |

Login to AT.Wallet for Target Actions

| 1-1. BLE Connection
1-2. USB Connection (Mac /Windows app) | 2. Fingerprint Matching | 3. Cryptocurrency Synchronization | 4. Transaction(s) Send/Receive | Settings |

Settings
- Initial Hidden Wallet *(create new or recover wallet)*
- Switch to Hidden Wallet
- Enroll/Delete Fingerprint(s)
- Add/Delete Cryptocurrency
- Log Out
- Reset
- Select Currency

WALLET | Mobile APP – Layout #1

AT Wallet App

Landing

Home Page

Discovery

AT.Wallet-01A00024   -57 d...

Bluetooth RSSI value

WALLET

01A00024

The Keycode appears on AT.Wallet matches the number shown on the app

zwallet

58.34 USD

Bitcoin
1 BTC = 10404.33 USD   Synchronizing
                              0.00560 BTC

Bitcoin Cash
1 BCH = 305.41 USD   0.0 USD
                              0.0 BCH

Ethereum
1 ETH = 180.57 USD   0.0 USD
                              0 ETH

Wallet Name

Total amount of this wallet;
Default currency is following
the region of the host device
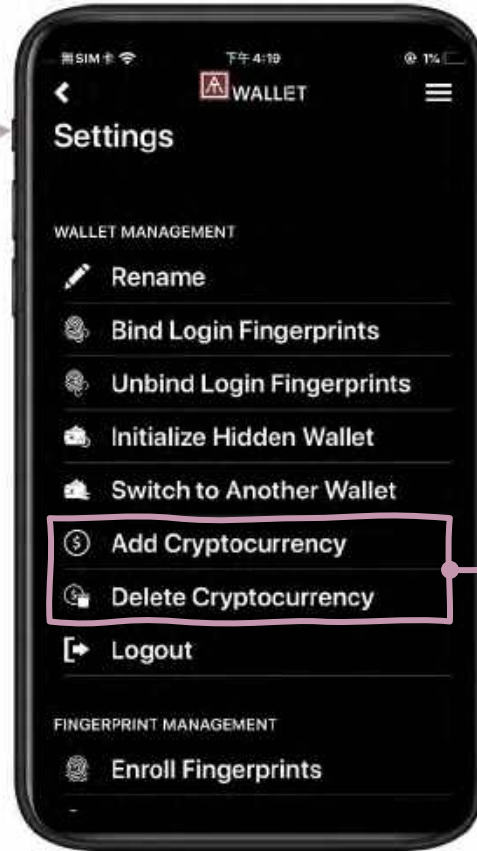(mobile, PC)

WALLET | Mobile APP – Layout #2

AT Wallet App

Menu Bar

Battery Status of Wallet Card

Back to Home Page

Shortcuts for Each Currency

Setting

You can add new cryptocurrency here;
If you want to enable BIP84 for Bitcoin or Litecoin, here is the only place to enable.

You only can delete created cryptocurrency here.

AT Wallet App

▶ Initial Wallet

If you can't find your device here, clear the device from your phone's memory and pair again.

1-1. BLE Pairing
1-2. USB Connection
(Mac /Windows app)

Discovery

AT.Wallet-01A00024 🕸 -57 d...

Discovery

AT.Wallet-01A00012 🕸 -45 d...

Bluetooth Pairing Request
"AT.Wallet-01A00012" would like to pair with your iPhone. Confirm that the code "610452" is shown on "AT.Wallet-01A00012".

Cancel   Pair

WALLET

01A00024

1) Double-Click power button of AT.Wallet card to start Bluetooth secure pairing mode.

2) Click your AT.Wallet from above list, which the Keycode appears on AT.Wallet matches the number shown on the app.

3) LED#2 of Wallet card shows white flashing, touch fingerprint sensor to pair

AUTHENTREND

WALLET

AT Wallet App

▶ Initial Wallet

| 1-1. BLE Pairing | 2. Enroll Fingerprint & Matching |
| 1-2. USB Connection (Mac /Windows app) | |

Enroll Fingerprints
Swipe your finger on the sensor

0%

100%

Matched

Enroll   Done

1) Touch fingerprint sensor around 14~16 times.

2) Percentage of Enrollment is Increasing.

3) Verify enrolled fingerprint –
   o "Matched" (LED#2 shows **GREEN**);
   o If it's "Mismatched" (LED shows **RED**), please touch again to verify.

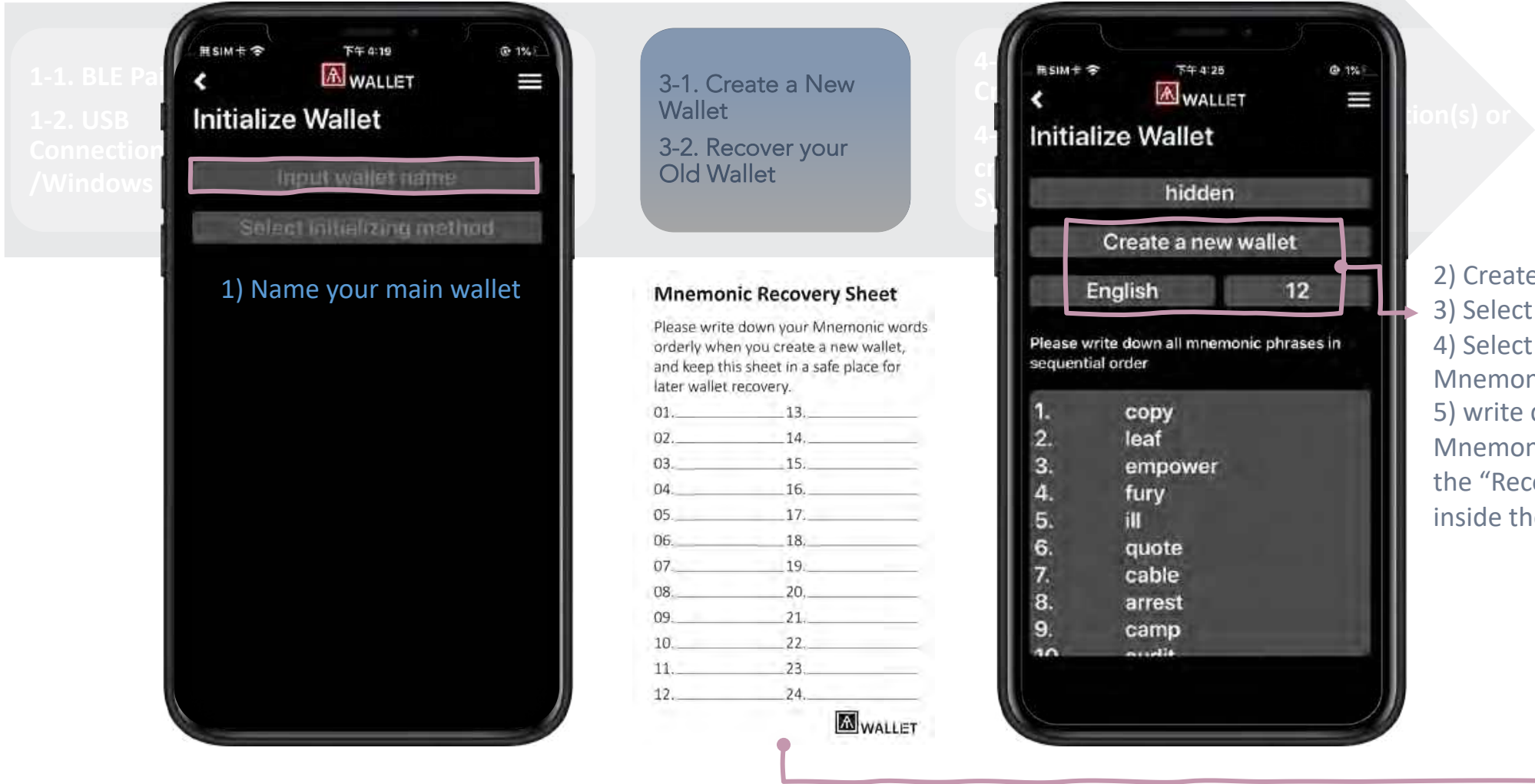4) Click "Enroll" to enroll more fingerprints in or click "Done" to finish.
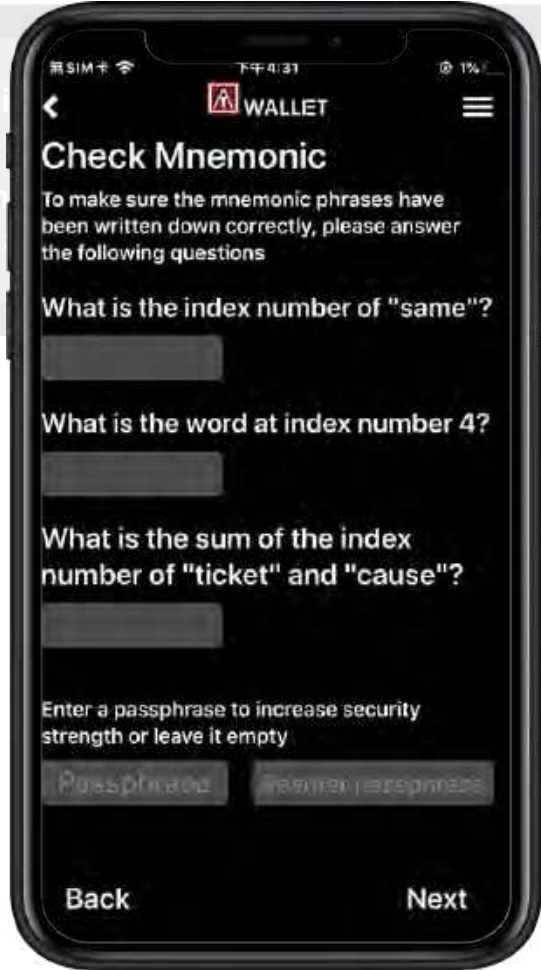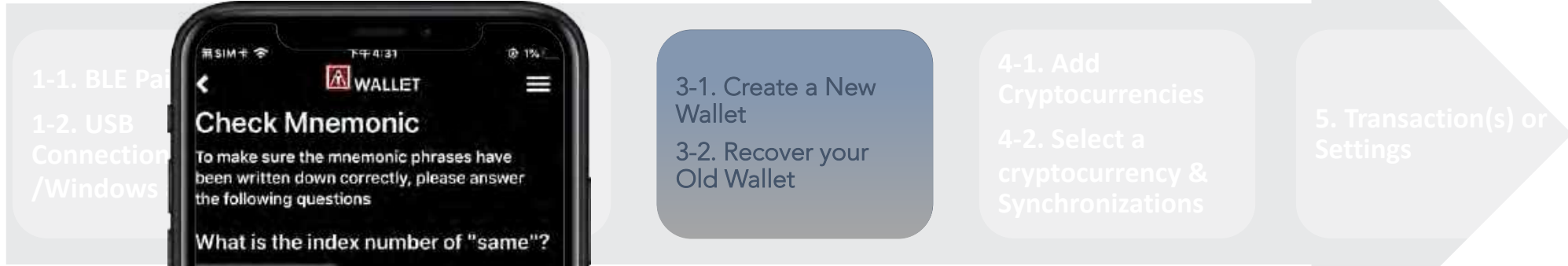
15
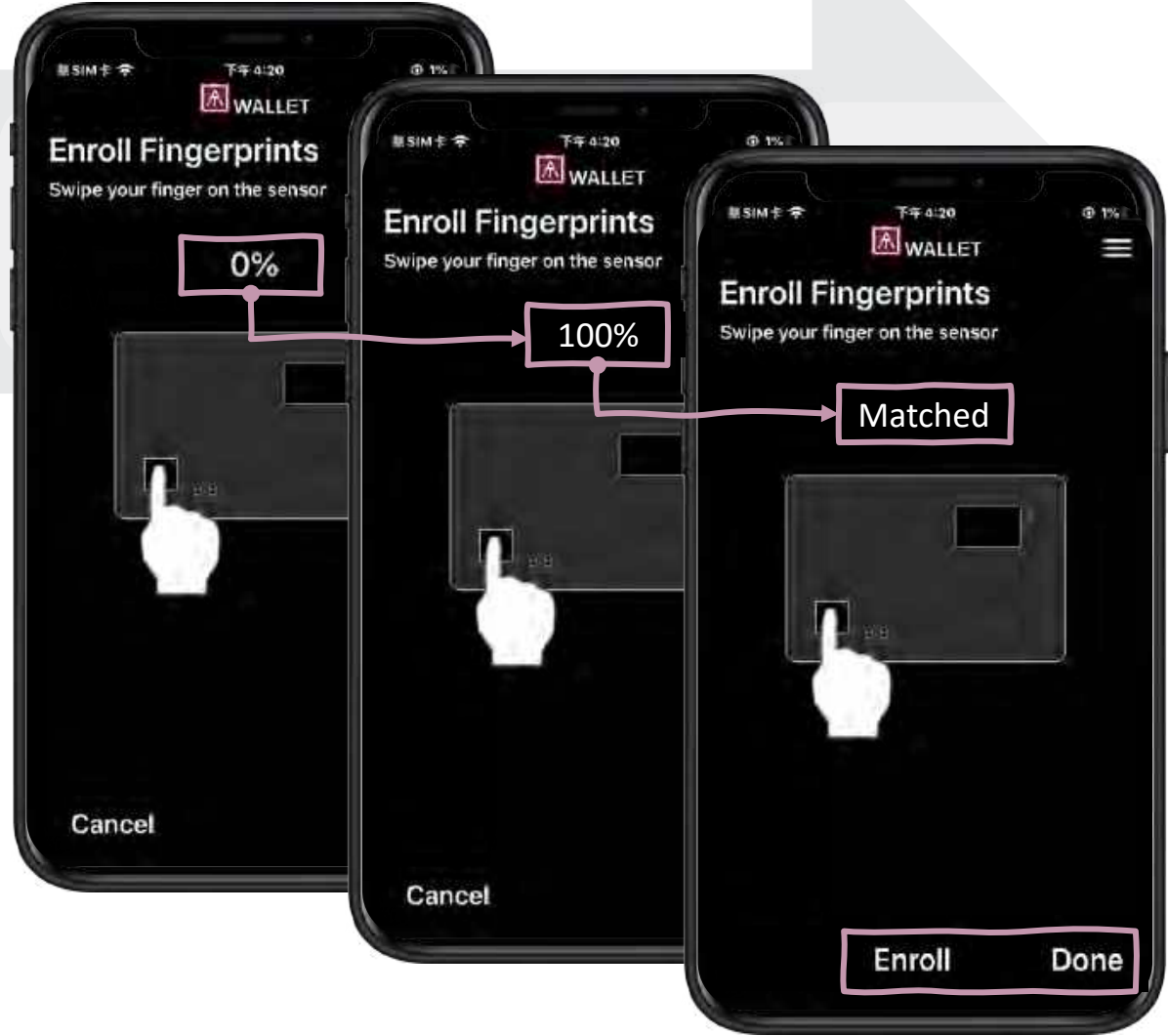
AT Wallet App

▶ Initial Wallet

Initialize Wallet

Input wallet name

Select initializing method

1) Name your main wallet

3-1. Create a New Wallet

3-2. Recover your Old Wallet

Mnemonic Recovery Sheet

Please write down your Mnemonic words orderly when you create a new wallet, and keep this sheet in a safe place for later wallet recovery.

01._____ 13._____
02._____ 14._____
03._____ 15._____
04._____ 16._____
05._____ 17._____
06._____ 18._____
07._____ 19._____
08._____ 20._____
09._____ 21._____
10._____ 22._____
11._____ 23._____
12._____ 24._____

WALLET

Initialize Wallet

hidden

Create a new wallet

English   12

Please write down all mnemonic phrases in sequential order

1. copy
2. leaf
3. empower
4. fury
5. ill
6. quote
7. cable
8. arrest
9. camp
10. audit

2) Create a new wallet
3) Select language
4) Select length of Mnemonic.
5) write down Mnemonic words to the "Recovery Sheet" inside the box.

▶ Initial Wallet

1-1. BLE Pairing
1-2. USB Connection /Windows

Check Mnemonic

To make sure the mnemonic phrases have been written down correctly, please answer the following questions

What is the index number of "same"?

What is the word at index number 4?

What is the sum of the index number of "ticket" and "cause"?

Enter a passphrase to increase security strength or leave it empty

Passphrase   resend passphrase

Back   Next

3-1. Create a New Wallet

3-2. Recover your Old Wallet

4-1. Add Cryptocurrencies

4-2. Select a cryptocurrency & Synchronizations

5. Transaction(s) or Settings

Mnemonic Recovery Sheet

Please write down your Mnemonic words orderly when you create a new wallet, and keep this sheet in a safe place for later wallet recovery.

01._____ 13._____
02._____ 14._____
03._____ 15._____
04._____ 16._____
05._____ 17._____
06._____ 18._____
07._____ 19._____
08._____ 20._____
09._____ 21._____
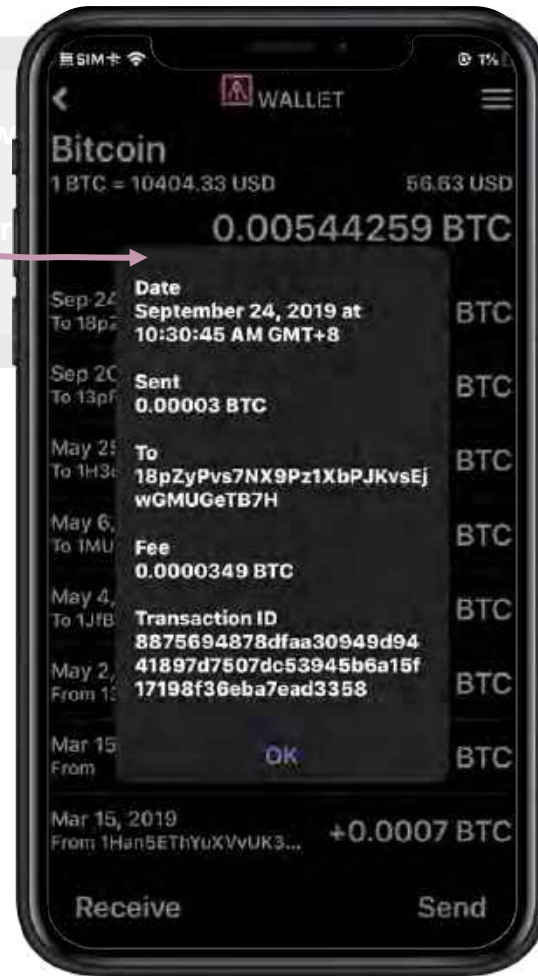10._____ 22._____
11._____ 23._____
12._____ 24._____

WALLET

1) Answer questionnaires following the "Recovery Sheet" that you wrote down.

2) (option) For better security, you can assign "Passphrase" for those "Mnemonic words" for recovery, so that when you do "recover wallet base on Mnemonic words", it requires you to type correct "Passphrase" to recover. Please remember your Passphrase, we won't record it!
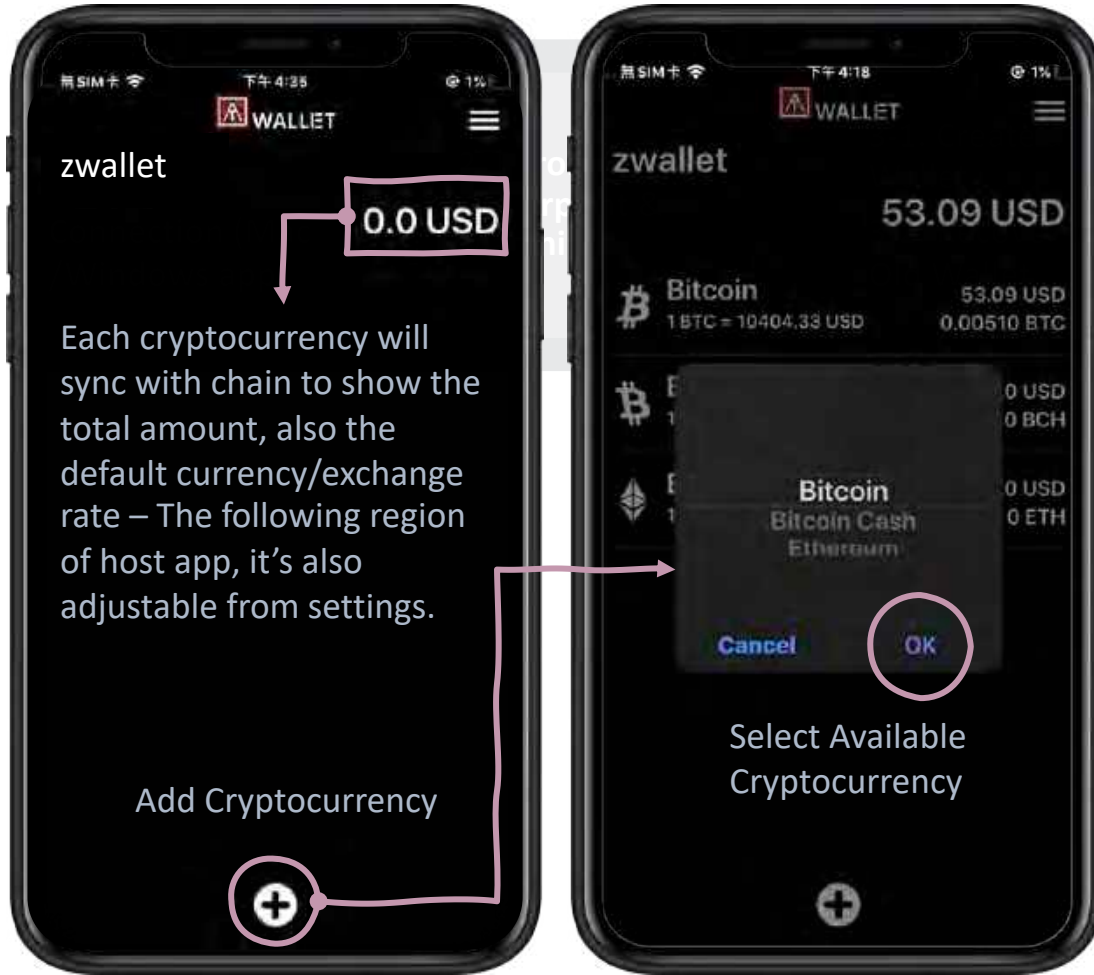
17

AT Wallet App

zwallet

0.0 USD

Each cryptocurrency will sync with chain to show the total amount, also the default currency/exchange rate – The following region of host app, it's also adjustable from settings.

Add Cryptocurrency

zwallet

53.09 USD

₿ Bitcoin   53.09 USD
1 BTC = 10404.33 USD   0.00510 BTC

₿ B   0 USD
1   0 BCH

◆ E   0 USD
1   0 ETH

Bitcoin
Bitcoin Cash
Ethereum

Cancel   OK

Select Available Cryptocurrency

4-1. Add Cryptocurrencies

4-2. Select a cryptocurrency & Synchronizations

5. Transaction(s) or Settings

AT Wallet App

Transaction Records   Transaction Details
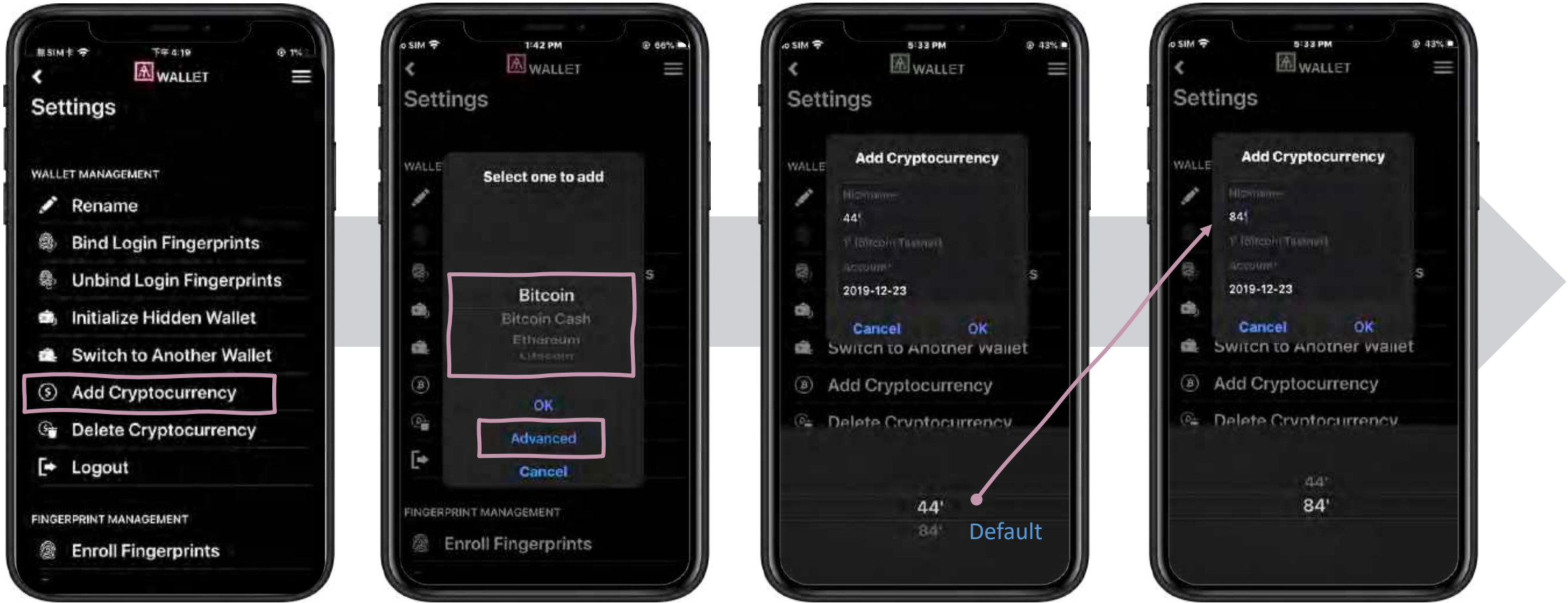
BIP44 **refers to the accepted common standard to derive non Segwit addresses. These addresses always begin with a 1. (default of AT.Wallet)**

BIP84 **refers to the accepted common standard of deriving native segwit addresses. These addresses always begin with bc1 - and are referred to bech32 addresses.**

- You can switch to BIP84 when you are adding new cryptocurrency (Bitcoin or LiteCoin only) as below.

What's Segwit?
Learn more details!

A WALLET |

AT Wallet App

▶ For others to send coins to you

Bitcoin
1 BTC = 10404.33 USD   56.63 USD

0.00544259 BTC

Sep 24, 2019 To 18pZyPvs7NX9Pz1Xb...	-0.00003 BTC
Sep 20, 2019 To 13pFpfoHdYcRGNnGv...	-0.00005 BTC
May 25, 2019 To 1H3cpbPiNBwov6Gpts...	-0.00001 BTC
May 6, 2019 To 1MUuC1T6qYt87am3b...	-0.00001 BTC
May 4, 2019 To 1JfBG7mpbSxcBWTne...	-0.00001 BTC
May 2, 2019 From 136fjfQyr6Zk7einY...	+0.00008 BTC
Mar 15, 2019 From	+0.00008 BTC
Mar 15, 2019 From 1Han5EThYuXVvUK3...	+0.0007 BTC

Receive   Send

Receive Bitcoin

Bech32

bc1qdslyae245475y6f8vztv479fwz28m5894
0h650

Copy   Address   Share

Receive Bitcoin

P2PKH

TI 1AsLcy3zMNG5cTPnJWHuGw5Qzn5Me
eUxkE   ✕

AirDrop   Messages   Mail   Reminders

Copy   📋

Save to Files   📁

Save in Keep   🔖

5. Transaction(s) or Settings

* Fingerprint verification is NOT necessary for receiving payments.

Select your choice and click "Receive" button.

Showing QR code and address.

select the address and present QR code for scan or copy the address to share manually.

WALLET | Mobile APP – 5. Sending Payments

Send coins to others simply

Filling in the "To" line with the address or press the icon to scan receiver's QR code.
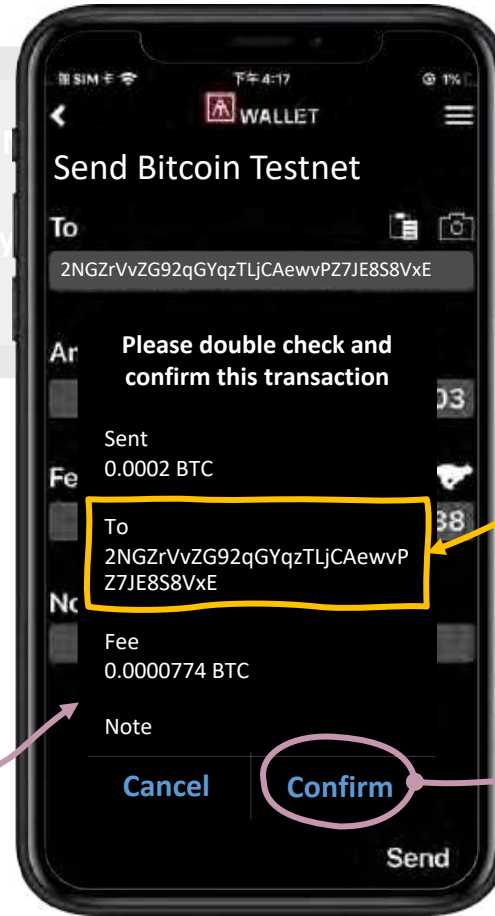
Check the sending details on the app, as well as your card. Make sure the amount on both screens is correct.

Verify by bound fingerprint(s) or verify by any enrolled fingerprint if there is no binding.

WALLET

1x AT.Wallet card ⟶ 2x Wallet(s) per card ⟶ 10x Cryptocurrencies per wallet

AT.Wallet allows 2x Wallets
- Main Wallet + Hidden Wallet
- Easily login to Hidden Wallet from Main Wallet

1x AT.Wallet card ⟶ **2x Wallet(s) per card** ⟶ **10x Cryptocurrencies per wallet**

- Up to 8x fingers

- The fingerprint can't be deleted only If it bound with assigned wallet.

- If there is something wrong with your fingerprint sensor, re-calibrate sensor to work (Please do not touch fingerprint sensor during calibration!)
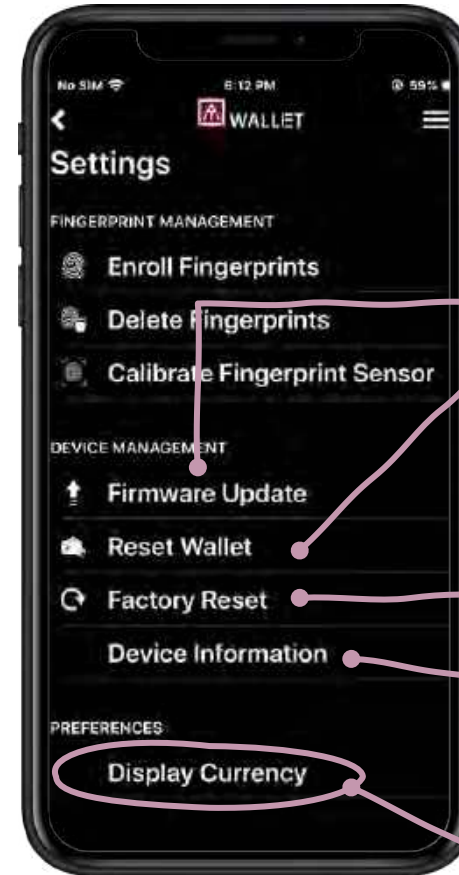
- Check and upgrade firmware automatically.

- If you lose your wallets, you can recover it and enrolled fingerprints will still be there.

- Erase all data.

- AT.Wallet card ID, Firmware version, battery status.

- Select currency.

1x AT.Wallet card → **2x Wallet(s) per card** → **10x Cryptocurrencies per wallet**

○ If there is no any fingerprint bound with specific wallet:
1) Login to main wallet via any enrolled fingerprint.
2) Switch to hidden wallet from main wallet.
3) Standalone mode is only for main wallet.

Verify any enrolled finger
→ "Matched"
→ "Login" to main wallet

| Additional Settings (Wallet Management)

1x AT.Wallet card ——→ **2x Wallet(s) per card** ——→ **10x Cryptocurrencies per wallet**

Settings

WALLET MANAGEMENT

- Rename
- Bind Login Fingerprints
- Unbind Login Fingerprints
- Initialize Hidden Wallet
- Switch to Another Wallet
- Add Cryptocurrency
- Delete Cryptocurrency
- Logout

FINGERPRINT MANAGEMENT

- Enroll Fingerprints

○ Rename wallet (main or hidden wallet) or Cryptocurrency.

○ Initiate and Login to hidden wallet from "Switch to Another Wallet".

○ Logout from AT.Wallet, BLE disconnected; If your wallet card is power off, please logout from here and re-login.

Additional Settings (Firmware Update)

o Firmware Update
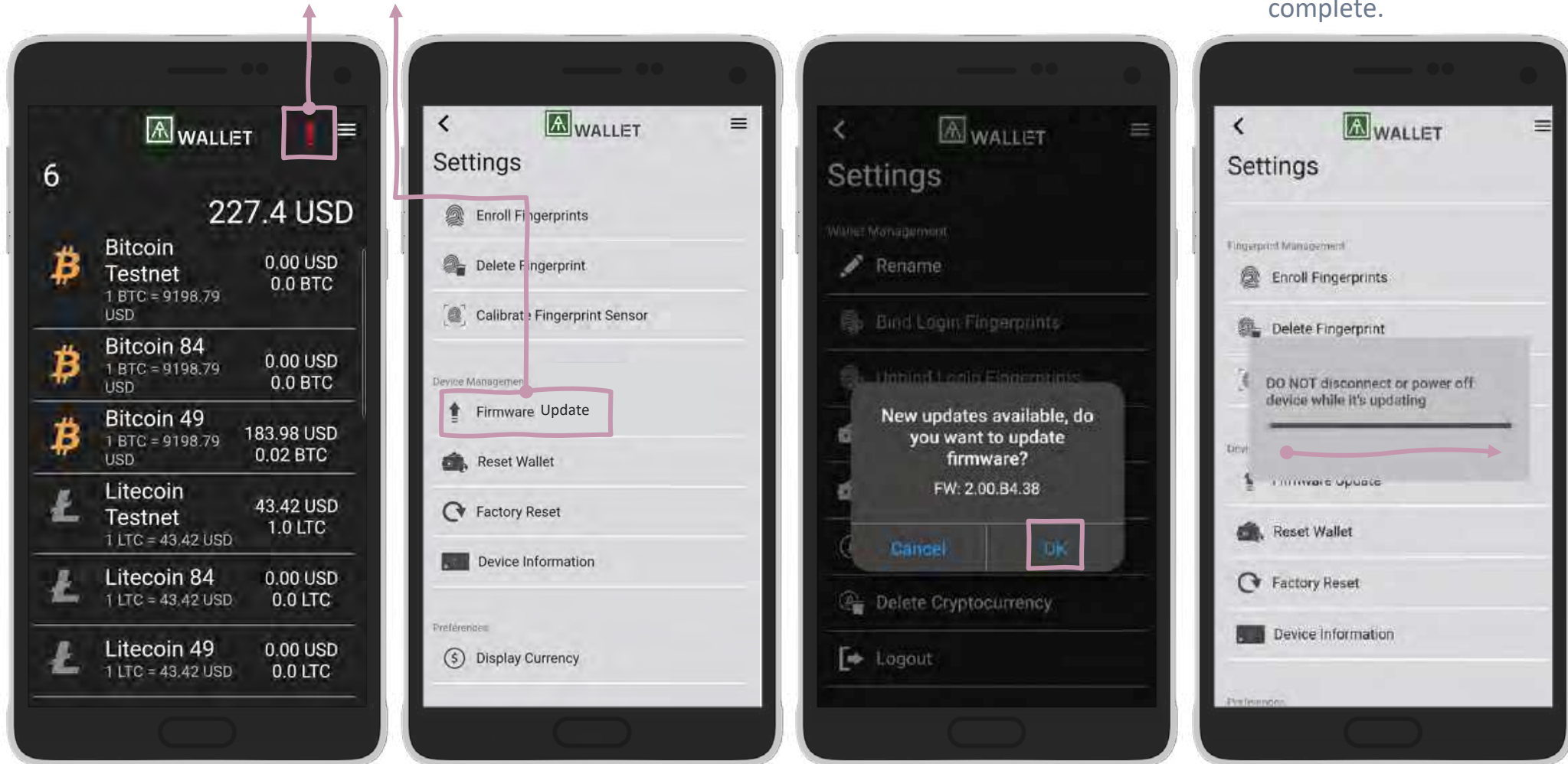
o The power cannot be turned off until the software update is complete.

WALLET | AT Wallet App Windows/Mac APP – Layout

Landing
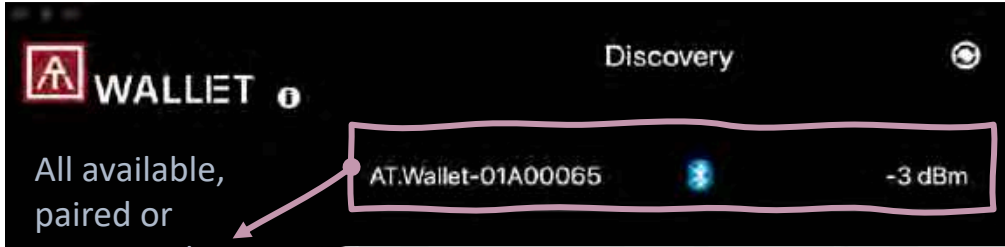
Home Page

Settings

All available, paired or connected AT.Wallet cards.
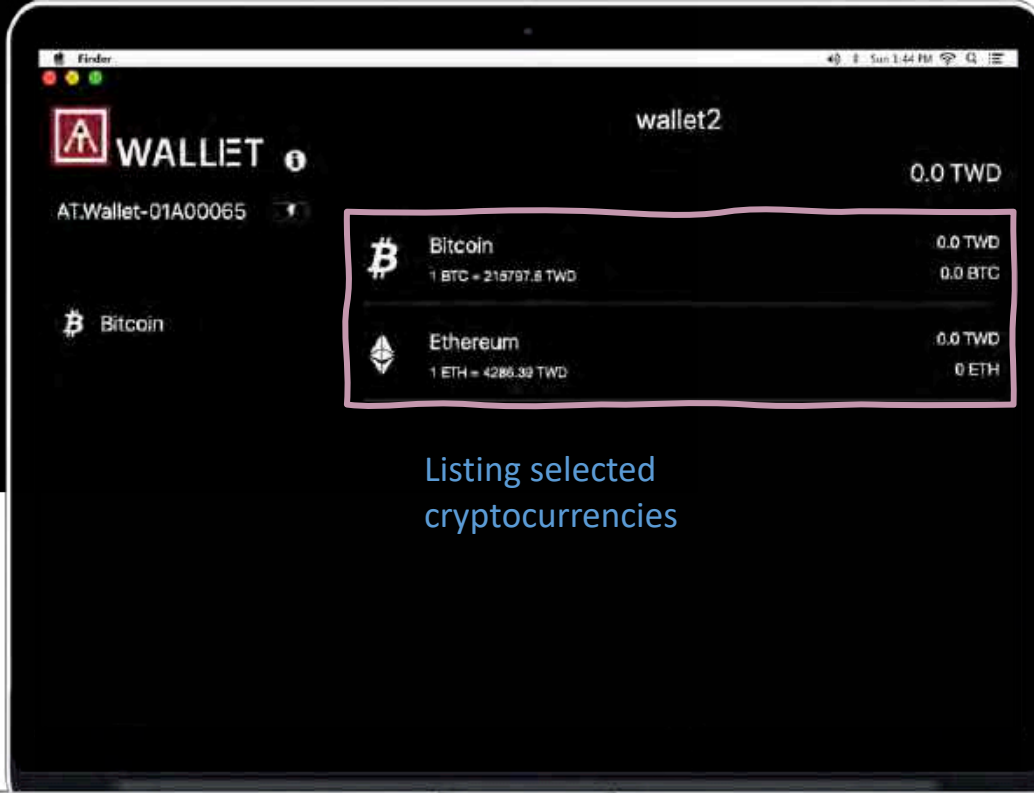
Listing selected cryptocurrencies

Settings Page

Log Out

WALLET | Windows/Mac APP – 1. BLE Pairing or USB connecting
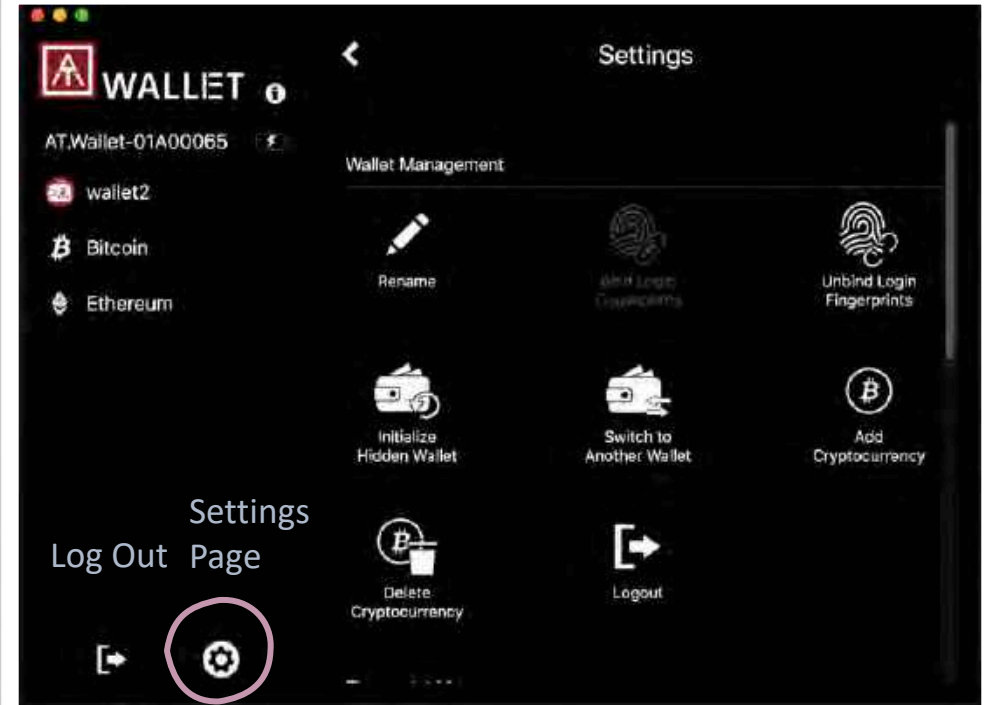
AT.Wallet App

BLE Pairing

USB Connecting

WALLET

Discovery

AT.Wallet-01A00065   -3 dBm

Connection Request from: ec-18-da-9f-25-82

Connection Request from: ec-18-da-9f-25-82

To connect to the device, make sure the number below matches the number on that device.

If the number matches, click Connect to complete the connection process.

If the number doesn't match, click Cancel.

686975

☐ Ignore this device   Cancel   Connect

Connecting

WALLET

Discovery

AT.Wallet-01A00065

1) Launch AT.Wallet app and turn Bluetooth ON.
2) <u>Power on</u> your AT.Wallet.
3) Identify your card by Keyword.
4) LED#2 is white flashing - Touch fingerprint sensor to confirm pairing.
5) "Connect".

1) Launch AT.Wallet app.
2) Connect card to your PC via USB, you card will power on automatically
3) Connected AT.Wallet cards will be shown on the list .

WALLET   ฿ 168.2019

01A00024

AT Wallet App

Enroll Fingerprints

Lift and rest your finger on the sensor repeatedly

AT.Wallet-01A00065

0%

Verify Fingerprints

Lift and rest your finger on the sensor

100%

Place your finger

Verify Fingerprints

Matched

Enroll   Next

1) Touch fingerprint sensor around 14~16 times.

2) Percentage of Enrollment is Increasing.

3) Verify enrolled fingerprint –
o "Matched" (LED#2 shows **GREEN**);
o If it's "Mismatched" (LED shows **RED**), please touch again to verify.

4) Click "Enroll" to enroll more fingerprints in or click "Done" to finish.

| Windows/Mac APP – 3. Login to Initial Wallet

1) Verify enrolled fingerprint –
o "Matched" (LED#2 shows **GREEN**);
o If it's "Mismatched" (LED shows **RED**), please touch again to verify.

2) Click "Login" to initial wallet.

WALLET |

AT Wallet App
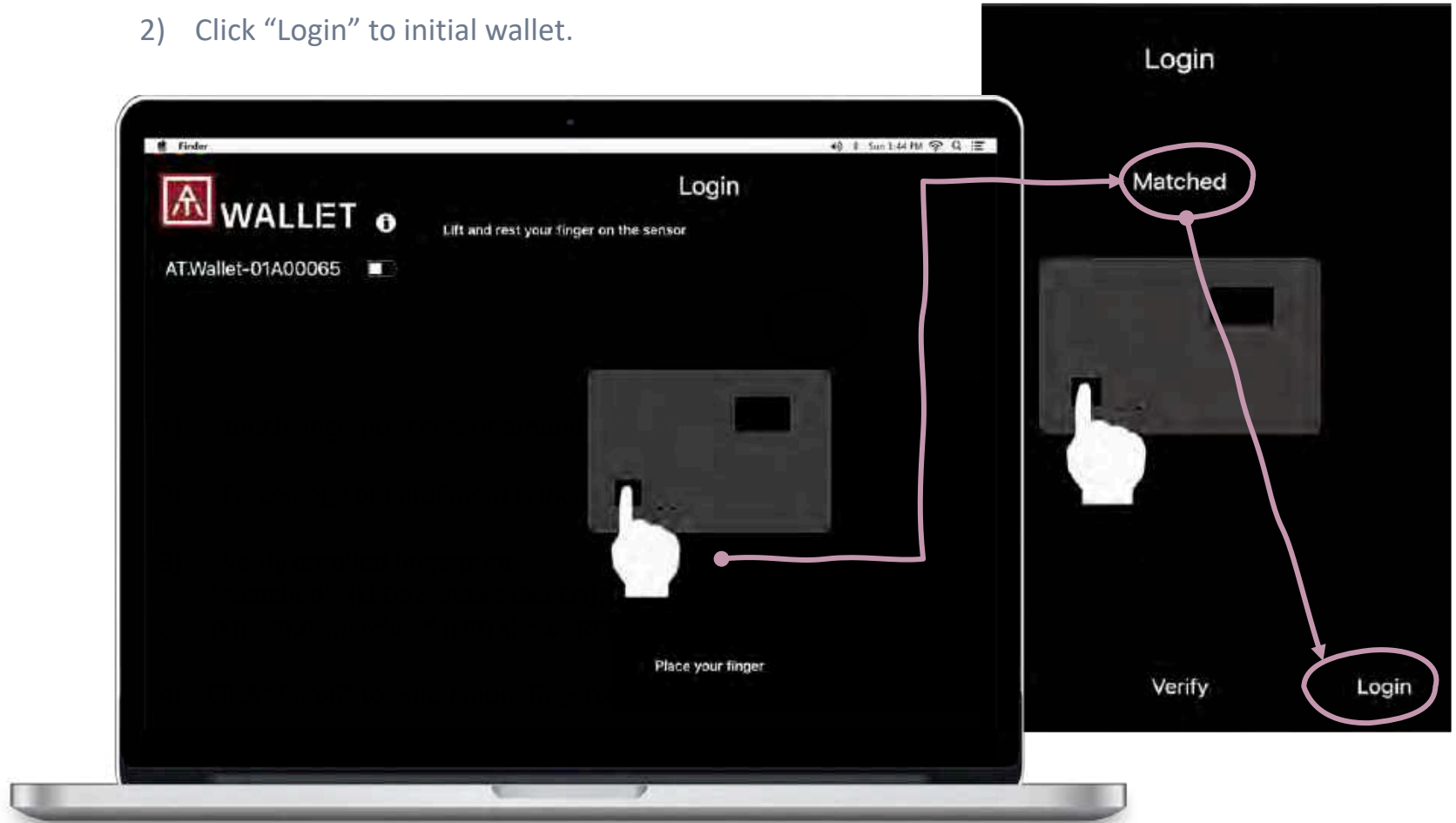
3) Create a new wallet

4) Select language

5) Select length of Mnemonic.
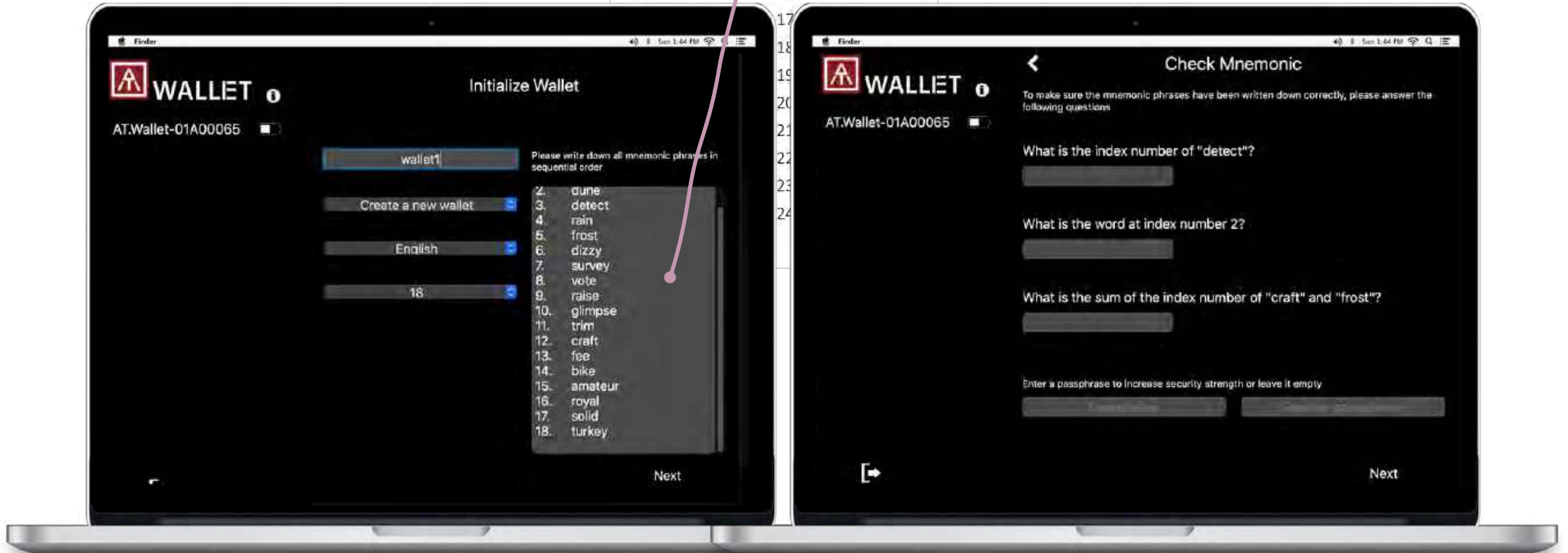
WALLET |

AT Wallet App

Mnemonic Recovery Sheet

Please write down your Mnemonic words orderly when you create a new wallet, and keep this sheet in a safe place for later wallet recovery.

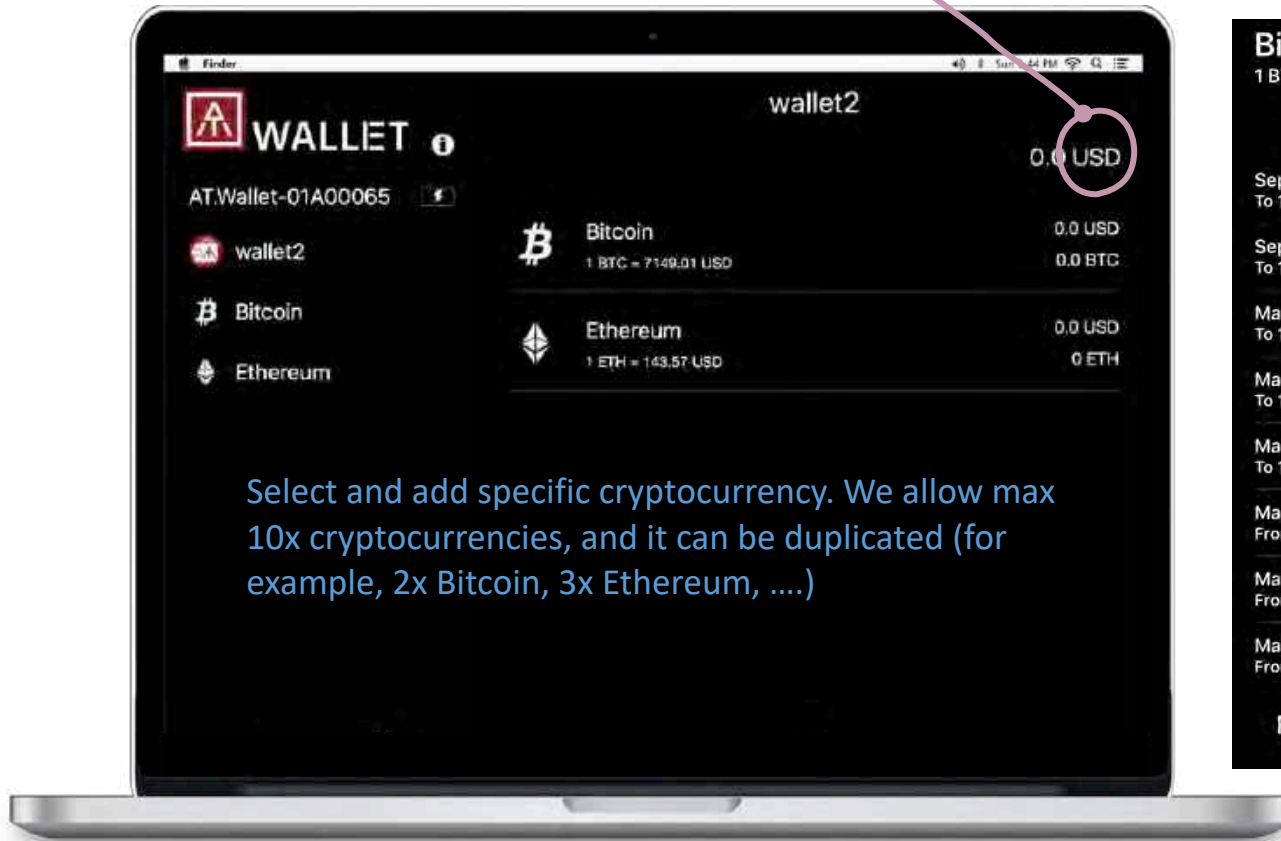| 01._____ | 13._____ |
02._____	14._____
03._____	15._____
04._____	16._____
17	
18	
19	
20	
21	
22	
23	
24	

7) Answer questionnaires following the "Recovery Sheet" that you wrote down.

8) (option) For better security, you can assign "Passphrase" for those "Mnemonic words" for recovery. Please remember your Passphrase, we won't record it!

6) write down Mnemonic words to the "Recovery Sheet" inside the box.

Initialize Wallet

WALLET

AT.Wallet-01A00065

wallet1

Create a new wallet

English

18

Please write down all mnemonic phrases in sequential order

2. dune
3. detect
4. rain
5. frost
6. dizzy
7. survey
8. vote
9. raise
10. glimpse
11. trim
12. craft
13. fee
14. bike
15. amateur
16. royal
17. solid
18. turkey

Next

Check Mnemonic

WALLET

AT.Wallet-01A00065

To make sure the mnemonic phrases have been written down correctly, please answer the following questions

What is the index number of "detect"?

What is the word at index number 2?

What is the sum of the index number of "craft" and "frost"?

Enter a passphrase to increase security strength or leave it empty

Next

AT Wallet App

Each cryptocurrency will sync with chain to show the total amount, also the default currency/exchange rate – The following region of host app, it's also adjustable from settings.
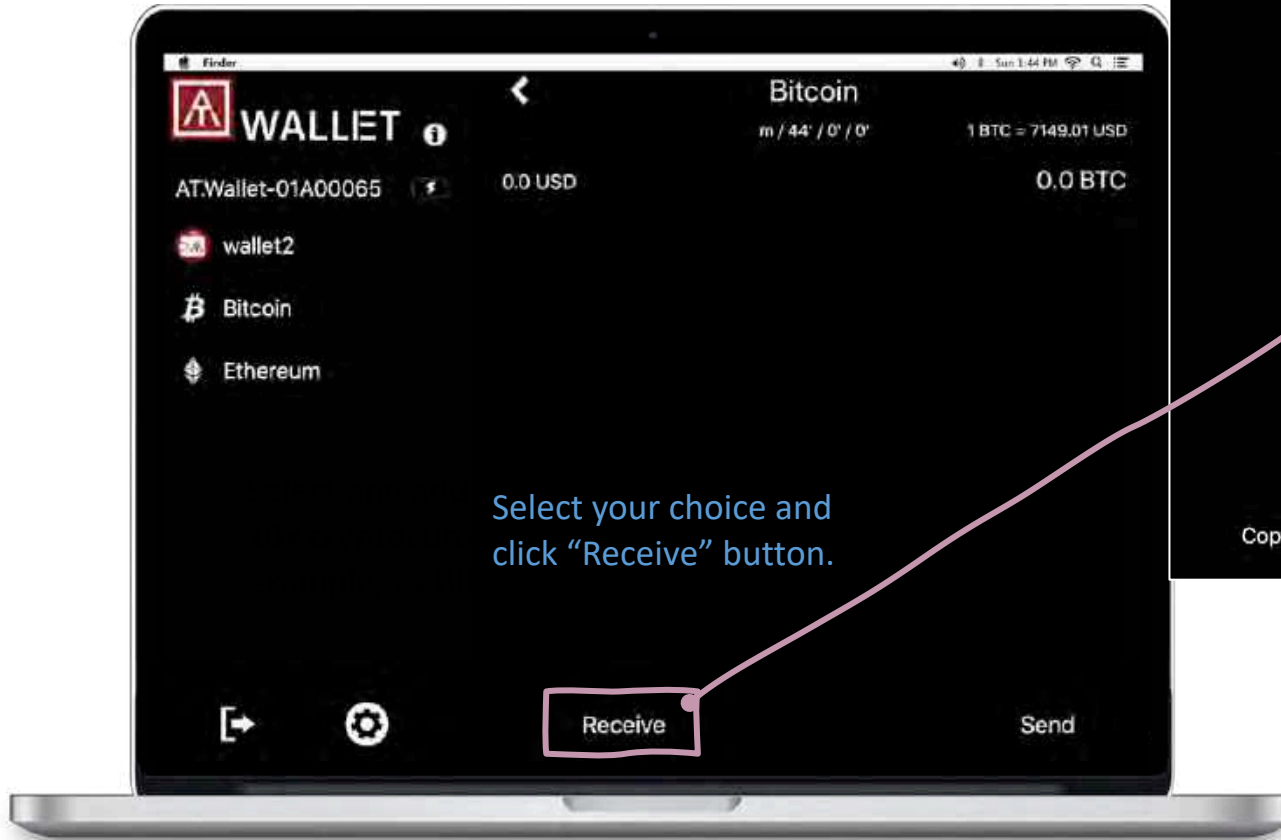

Select and add specific cryptocurrency. We allow max 10x cryptocurrencies, and it can be duplicated (for example, 2x Bitcoin, 3x Ethereum, ….)

Transaction Records

Transaction Details

For others to send coins to you
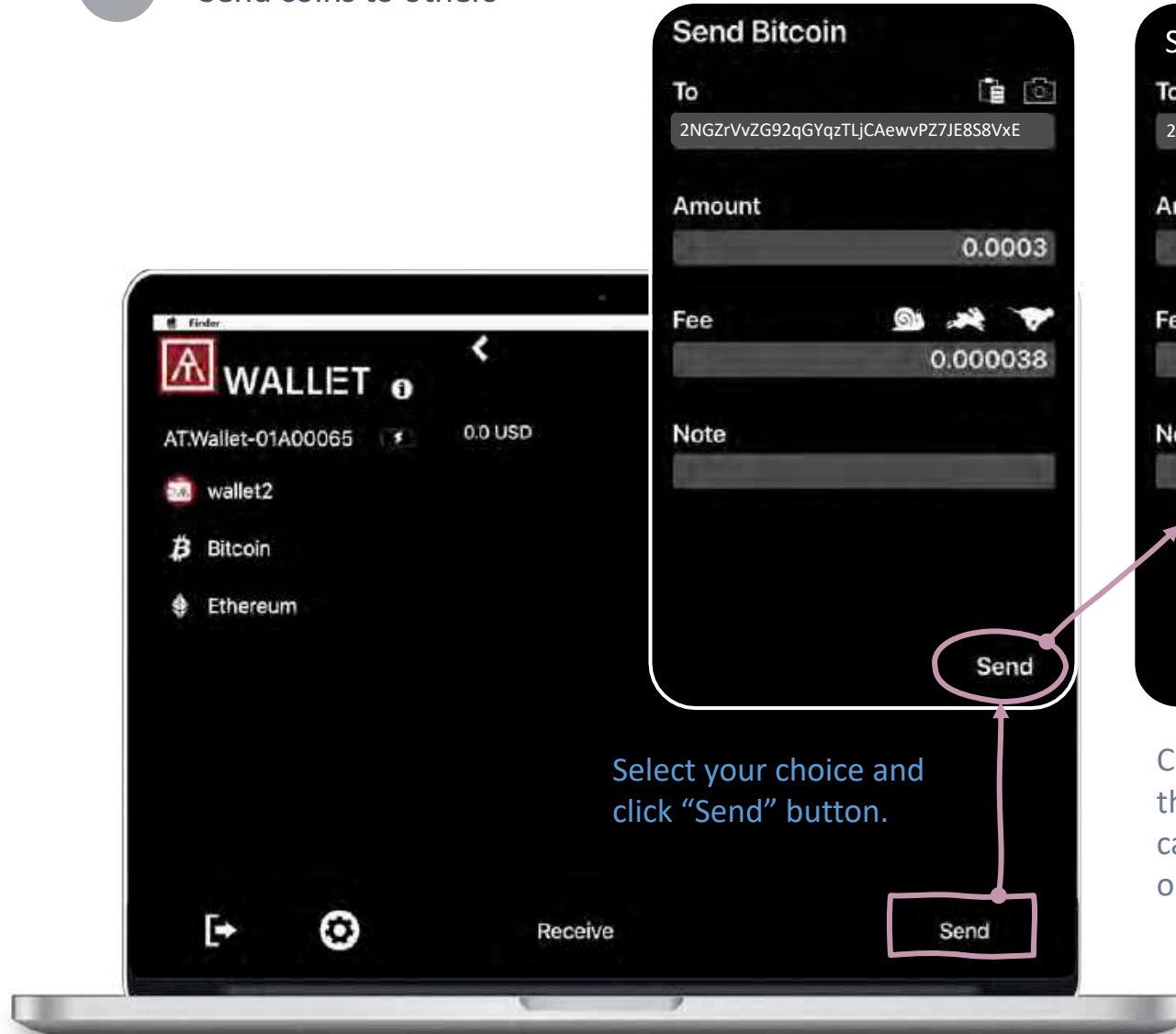

Select your choice and click "Receive" button.

Showing QR code and address.

select the address and present QR code for scan or copy the address to share manually.

* Fingerprint verification is NOT necessary for receiving payments.

WALLET | Windows/Mac APP – 5. Sending Payments

Send coins to others

Select your choice and click "Send" button.
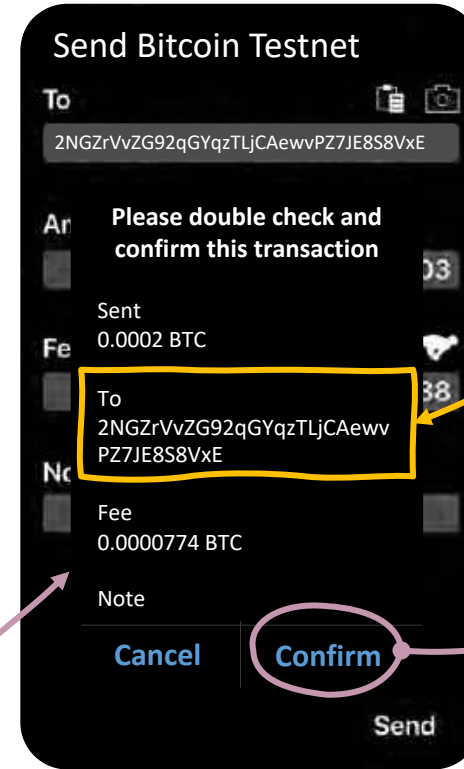
Check the sending details on the app, as well as your card. Make sure the amount on both screens is correct.

Verify by bound fingerprint(s) or verify by any enrolled fingerprint if there is no binding.

WALLET |

AT Wallet App

Settings

Wallet Management

o Add Cryptocurrency: You can add new cryptocurrency here; If you want to enable BIP84 for Bitcoin or Litecoin, here is the only place to enable.

o Delete Cryptocurrency: you only can delete created cryptocurrency here

o Rename: Rename wallet (main or hidden wallet) or Cryptocurrency.

o Switch to Another Wallet: Initiate and Login to hidden wallet from "Switch to Another Wallet".

o Logout from AT.Wallet, BLE disconnected; If your wallet card is power off, please logout from here and re-login.

Fingerprint Management

o Enroll Fingerprints: Up to 8x fingers.

o Delete Fingerprints: The fingerprint can't be deleted only If it bound with assigned wallet.

o Calibrate Fingerprint: If there is something wrong with your fingerprint sensor, re-calibrate sensor to work. (Please do not touch fingerprint sensor during calibration!)

Device Management

o Firmware Update: Check and upgrade firmware automatically.

o If you lose your wallets, you can recover it and enrolled fingerprints will still be there.

o Factory Reset: Erase all data.

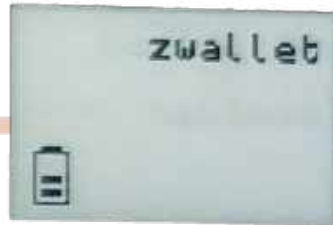o Display Currency: Select currency.

Power ON

Verify Assigned Fingerprint
to Login to Main Wallet
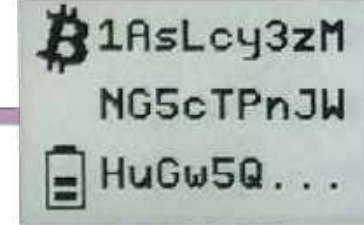
Fingerprint Matched

Loading ...

Name of Main wallet

1st Cryptocurrency
Summary

1st Cryptocurrency
QR Code for Receiving

1st Cryptocurrency
Address for Receiving

2nd Cryptocurrency
Summary

**Toggle power button to the next
page continuously...**

Note:
If there is no bound wallet, it will always
support main wallet.

If you bound fingerprint for specific wallet,
please verify by all bound finger to login.

- E-Ink: Icons + message (English and Japanese).
- Message language is following App "OS language" to show Japanese or English.

	LED#1	LED#2	E-Ink Icon & Message
Power ON	Static Blue	Blue flashing	BLE or USB – Battery – [Welcome]
BLE pairing mode	Static Blue	Cyan flashing	Battery – [message]
BLE pairing confirmation	Static Blue	White flashing	
BLE connected to host	Static Blue	Static Blue	
Waiting for fingerprint matching	Blue flashing	Blue	BLE or USB – Battery – [message]
Fingerprint matched	Blue	Green ON	BLE or USB – Battery – [message]
Fingerprint not matched	Blue	RED ON	BLE or USB – Battery – [message]
Battery charging	Blue	Yellow flashing	USB – Battery charging Battery charging
Low battery	Blue	RED flashing	Battery low
Battery charging till booting	N/A	RED flashing	No display

Battery Icon:
Level 3: Full (85%~100%)
Level 2: 61%~85%
Level 1: 36%~60%
!: <35%, Low battery, and LED#2 is **RED flashing**

USB Icon: Card is connecting to USB data port and be recognized as a HID device

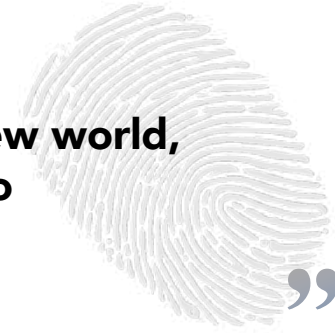**w/o USB Icon:** Card is connecting to USB but battery charging only

From Low to Fully-Charged:
> 1 hours.

From None to Low:
~ 30 minutes.

> **We believe in a brave new world, where you are the key to everything.**

Enroll your Fingerprint First

- Connect your AT.Wallet card to the App

Fingerprint Verification

- LED# 2 is blue flashing
- Login Wallet
- Transaction – Sending payments

8 x Fingerprints

- Any enrolled fingerprint can login Wallet

Make Your Wallet Secure

- Designed by EAL 5+ SE
- Fingerprint-based security

Standalone Mode:

- Build-in E-ink display
- Multiple wallets, cryptocurrencies and languages support

USB+BLE Dual Interface:

- Compatible with the mobile app via BLE and works with a web browser via USB by a portable docking.

FCC Label Compliance Statement:

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.

To assure continued FCC compliance:
Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

Exposure to Radio Frequency Radiation:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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FCC ID: 2AOPY-ATWALLET01   VCI   CE

THANK YOU!

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