

Android



iOS

User Manual

Ver 1.0

Touch x
WALLET

FCC ID: 2ASNMTouchxWALLET

Model Name: TOUCH xWALLET

Manufacturer Name: SCTECHONE Co., Ltd.

S/N:

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.

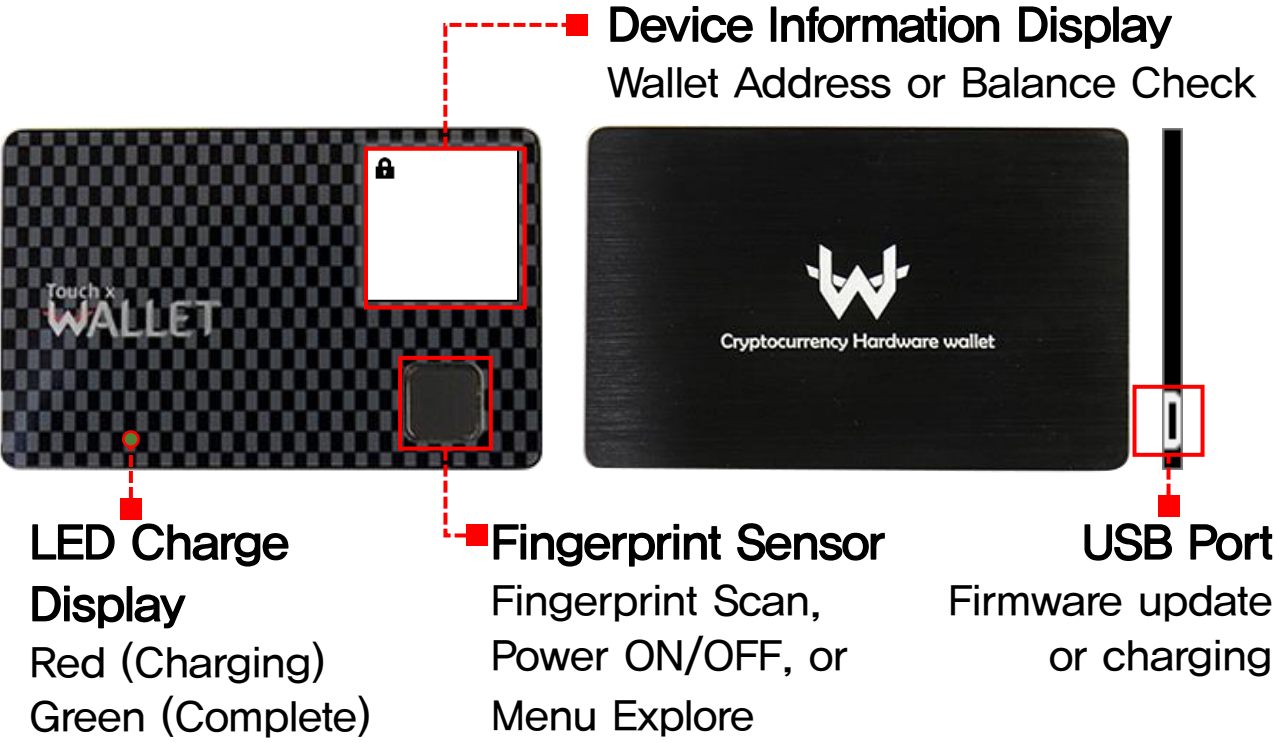
Warning

Please read this User Manual before using the product.

We are not responsible for any cryptocurrency loss due to carelessness caused by consumers.

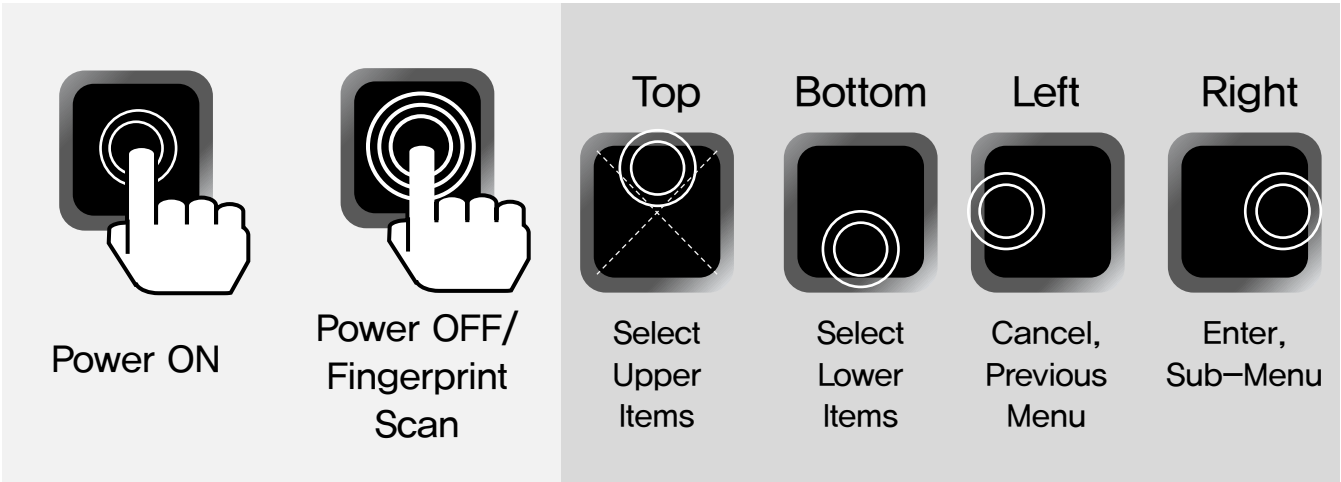
* Changes or modifications not expressly approved by SCTECHONE CO., Ltd. could void the user's authority to operate the equipment.

Touch xWallet Device Structure

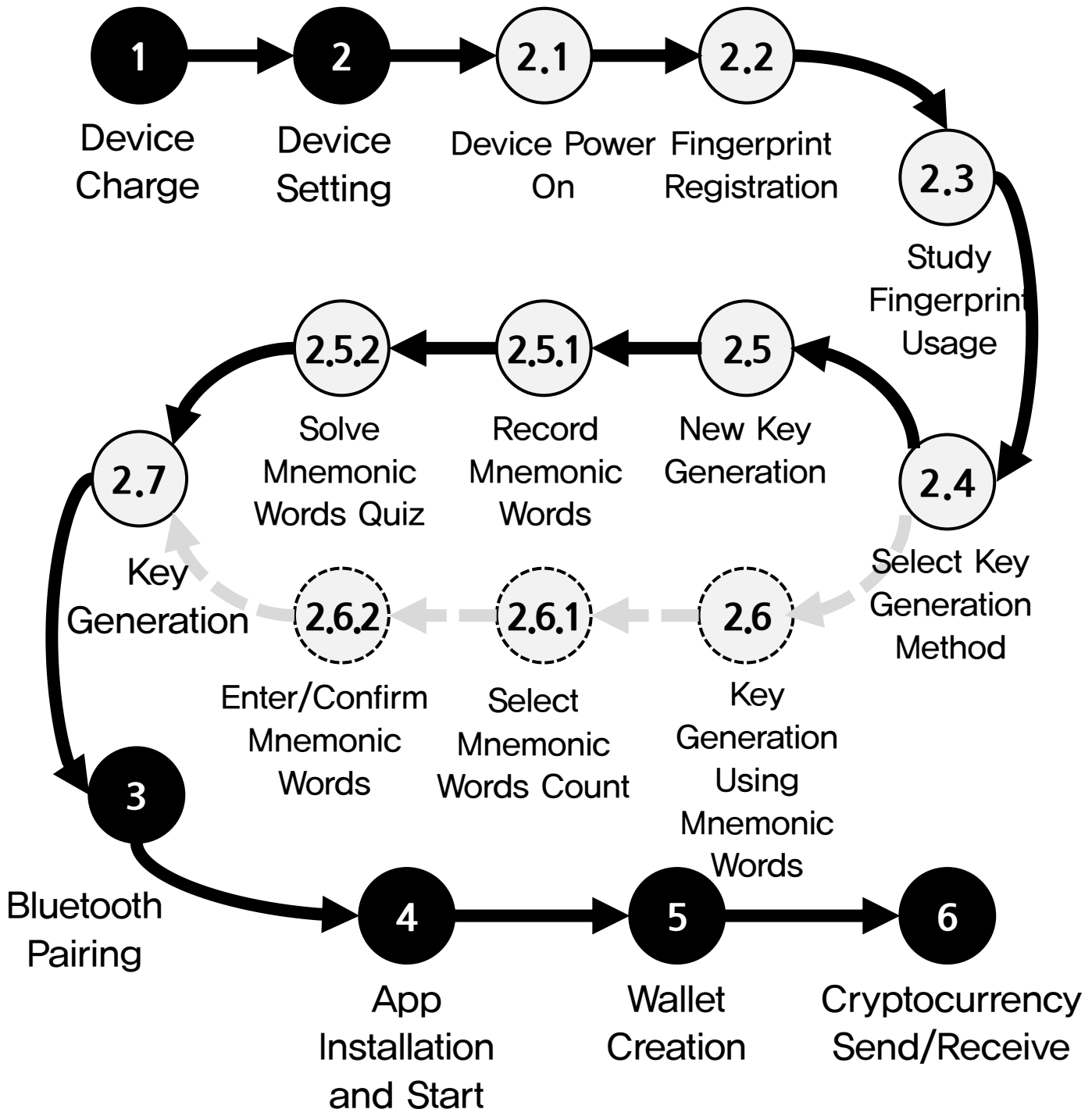


Fingerprint Sensor Instruction

Fingerprint Sensor can turn on/off the Device besides fingerprint sensing and can be used as a navigation for the Device' s setting confirmation or change.



Start



1. Charging Touch xWallet Device

Start charging with the included USB charging cable by connecting it to the Micro USB port on Touch xWallet Device.

2. Touch xWallet Device Setting

Follow the steps below for initializing Touch xWallet Device.

① Device Power On

Touch the fingerprint sensor for about 2 seconds to turn on the Device.

② Fingerprint Registration

From fingerprint setting menu, touch the sensor for fingerprint scanning and register 4 times using the same finger to complete the fingerprint registration.

③ Study Fingerprint Sensor Usage

Study the directions using the fingerprint sensor.

④ Select Key Generation Method

Decide whether to generate a new key or recover a key.

⑤ New Key Generation

For a new key generation, record randomly generated 24 mnemonic words on a recovery sheet and solve a word–matching quiz for accuracy.

The 24 mnemonic words should be recorded in order and kept safe as they are used in key recovery when necessary.

⑥ Key Generation Using Mnemonic Words

Using already recorded mnemonic words during the wallet creation, generate a key.

⑦ Key Generation

For crypto wallet' s address or signature, generate a master key of key pairs.

3. Bluetooth Pairing

Under phone' s Setting > Connection > Bluetooth, select Touch xWallet-XXXXXXX from “available devices” and pair up the phone and device by the Bluetooth PIN on the device' s display.



4. Mobile App Installation

From Google Play Store or itunes App store, search and install “Touch xWallet” App.



5. App Start and Wallet Installation

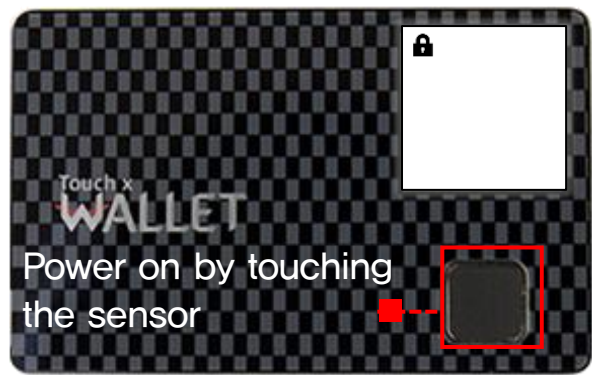
Start “TouchxWallet” from phone and fingerprint authenticate on the device after wallet install.

6. Select Wallet and Transaction

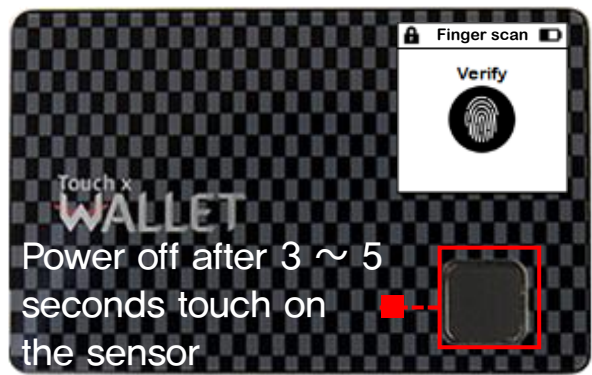
Send or Receive crypto coins by selecting a proper coin wallet.

Power On/Off

Touch xWallet Device is designed to power off automatically after 10 seconds or more in stand-by mode for efficient battery usage. Touching the Device' s fingerprint sensor powers on and off the device.



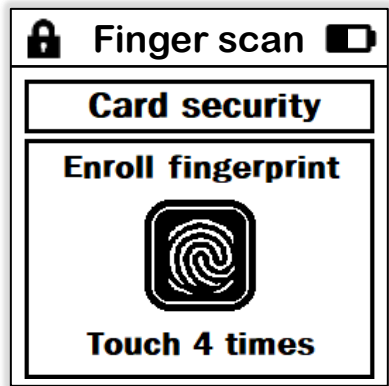
[Power Off]



[Power On]

Fingerprint Registration

As Touch xWallet is designed for fingerprint-authenticated users, users' fingerprint must be registered for proper use. Using the same finger, the fingerprint must be scanned 4 times.



1. Fingerprint Enroll



2. Fingerprint Enroll Steps



3. Fingerprint Enroll Complete

New Key Generation

Touch xWallet is applied to Bitcoin's standard (BIP32, 39, 44) for wallet management and supports HD wallet for safely protecting users' assets.

1. Key Generation Method

For a new key generation, select “New Key.” For recovering the existing wallet, select “Key Recovery” and proceed.

2. New Key Generation

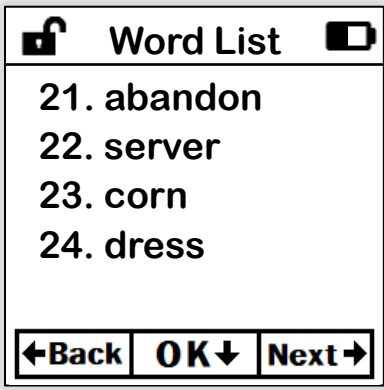
For a new key generation, randomly generated 24 words are displayed. Please record each word on a Recovery Sheet (Recovery sheet here after)in order.



1. Key Generation



2. Record generated words.
Touch Next until 24th word for confirmation.



3. Touch OK after confirming accurate record of 24 words.

3. Key Generation Word Confirmation

Words on the Recovery sheet should be recorded in order accurately as they are used in key recovery. This procedure is to confirm the accurate records of 24 words on the Recovery sheet and is an ask-and-answer quiz session by looking up the right word from 1 to 24.

<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> 🔒 New Key 🔋 </div> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 5px 0;"> ATTENTION </div> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 5px 0;"> <p>* Quiz *</p> <p>Write down 24 words? Select correct word in the next quiz.</p> </div> <div style="display: flex; justify-content: space-between;"> ← Back Next → </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> 🔒 Word #1 🔋 </div> <div style="padding: 10px;"> <p>Which is correct?</p> <p>1. Apple</p> <p>2. Ball</p> </div> <div style="display: flex; justify-content: space-between;"> ← 1 2 → </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> 🔒 Word #24 🔋 </div> <div style="padding: 10px;"> <p>Which is correct?</p> <p>1. Text</p> <p>2. Satoshi</p> </div> <div style="display: flex; justify-content: space-between;"> ← 1 2 → </div> </div>
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1. Key Confirmation Quiz
2. Select a matching word corresponding to word 1st on the Recovery sheet
3. Select the right word until the 24th word on the Recovery sheet

Warning on Recovery sheet

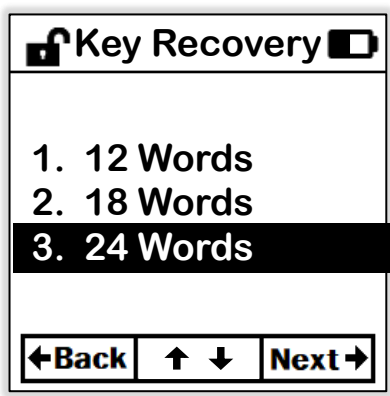
- ✓ Key generation words should be recorded accurately in order as generated on the Recovery sheet and kept in a safe place.
- ✓ For factory initialization or recovering the same wallet information after a new device purchase, recovery can be performed using the Recovery sheet.
- ✓ Recovery sheet must not be exposed to others or lost and should be kept in a safe place.

Key Recovery using Recovery Words

As Touch xWallet is compliant to Bitcoin’ s Standard (BIP32, 39, 44) for managing wallet, a wallet can be recovered using recovery words during a key generation.

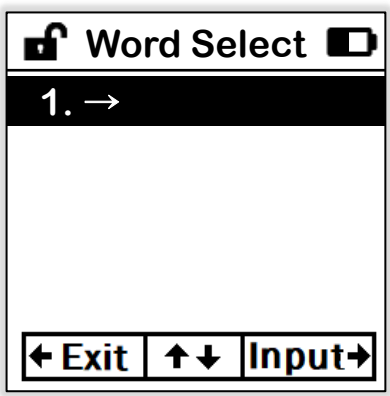
1. Select Word Count

Select a matching word—count as recorded on the Recovery sheet in wallet creation. Since Touch xWallet was generated with 24 words, select 24 words for key recovery.

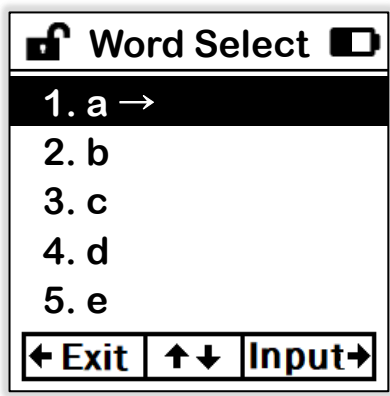


2. Enter Recovery Words

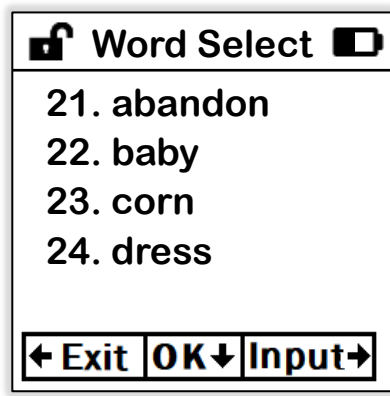
Enter words in order as recorded on the Recovery sheet. Touch right area on the sensor to select and enter matching words.



1. Touching Up or Down on the sensor, select a number for a matching word.



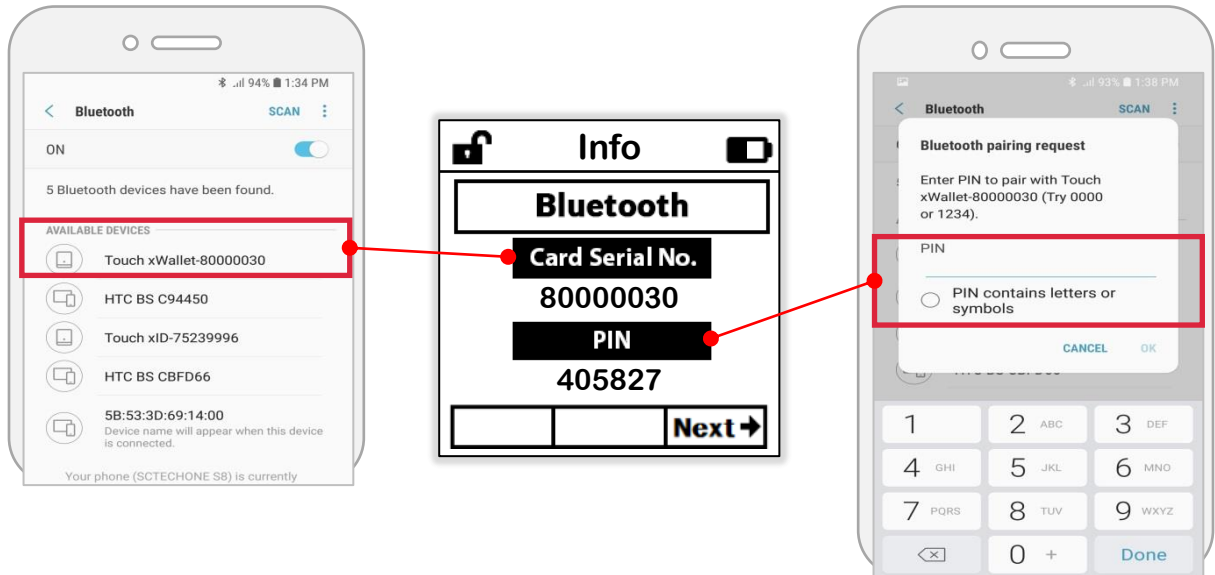
2. Touching Up/Down/Right on the sensor, select a right word.



3. Confirm right 24 words before selecting OK.

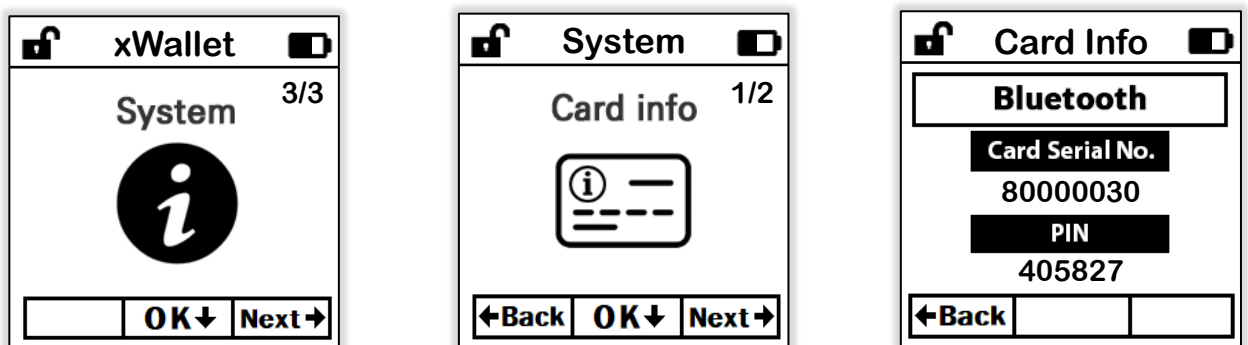
Bluetooth Pairing

As Touch xWallet manages cryptocurrencies with BLE communication between Device and App, Bluetooth connection between device and smartphone is required.



Under smartphone's Bluetooth setting, select a serial number matching device as in Device info of the device from "Available Device" list in the form of Touch xWallet.

Bluetooth PIN Check



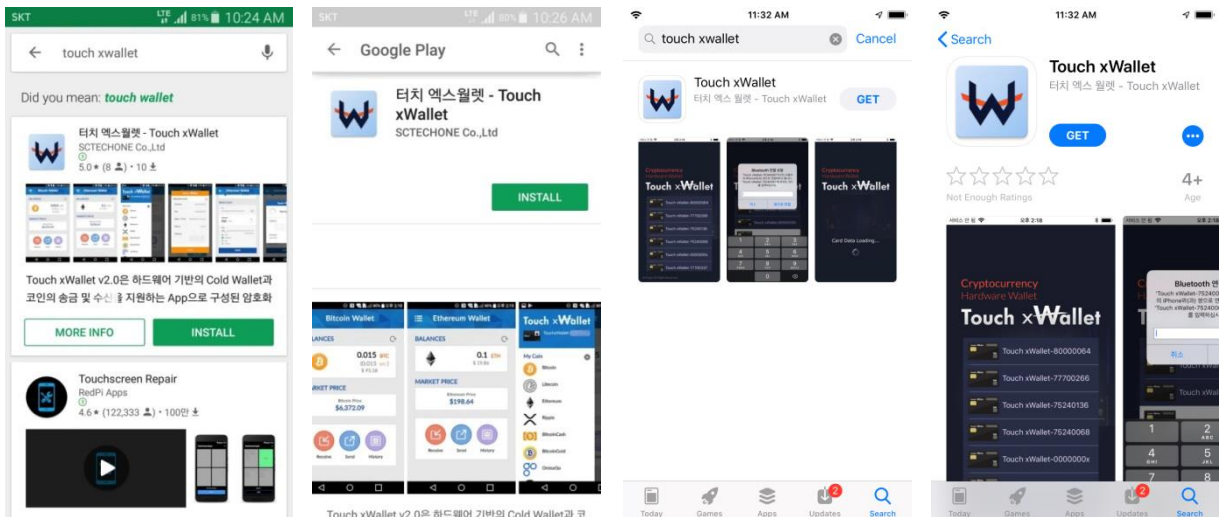
1. System menu

2. Card info select

3. Card S/N and PIN Check

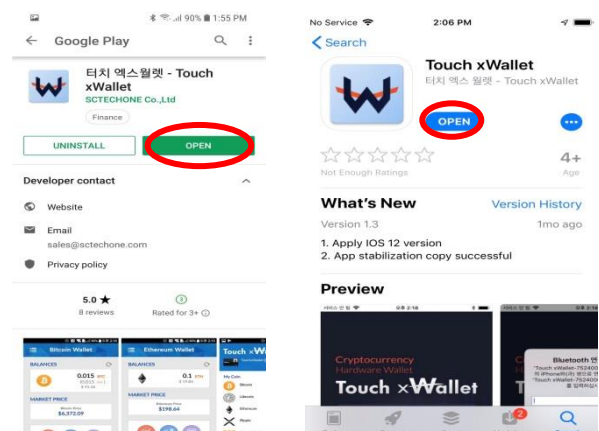
Touch xWallet App Install

Touch xWallet App can be installed by searching touch xwallet on Google Play store or itunes app store.



Touch xWallet App Start

With proper Touch xWallet App install, it can be started by clicking Open on the Play Store or clicking Touch xWallet icon from smartphone's home screen.



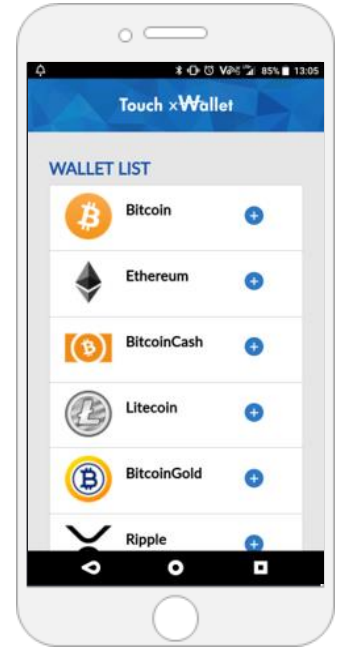
Crypto Wallet Generation



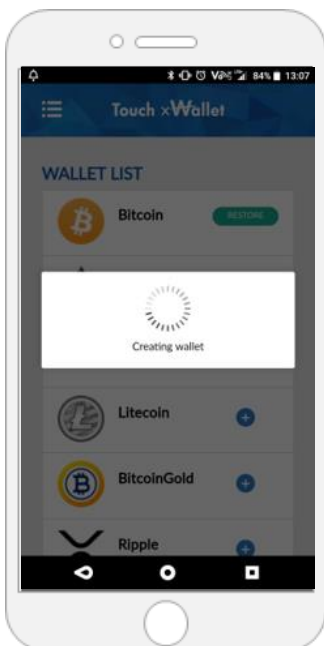
1. Run Touch xWallet App.



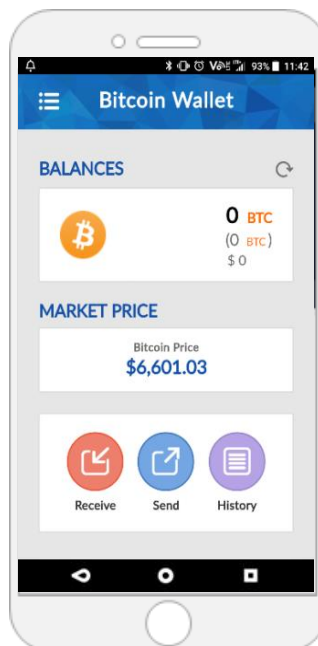
2. As App starts, authenticate the device with fingerprint.



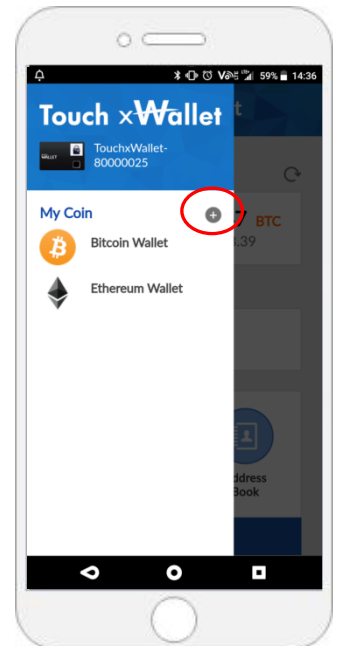
3. Select a crypto coin and click ADD button.



4. Wallet key generation and connect to blockchain.

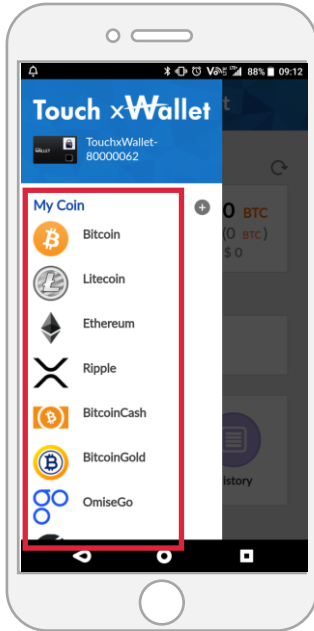


5. Complete wallet generation

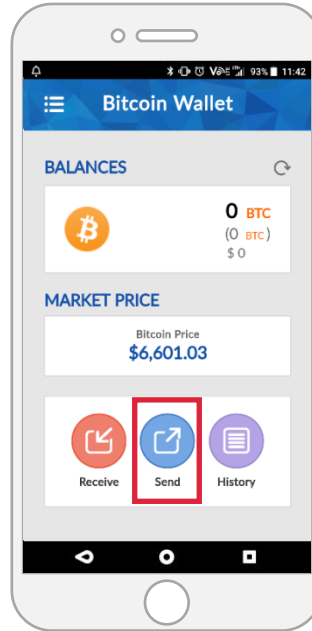


6. Add another coin

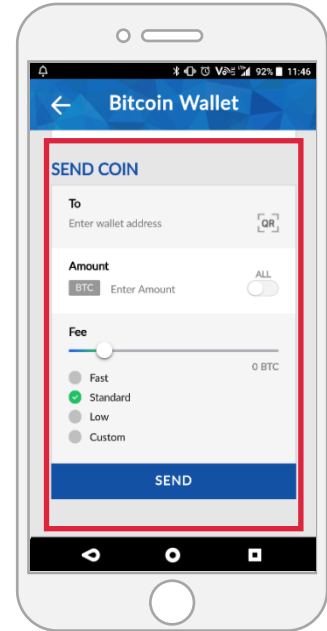
Send Cryptocurrency



1. Select a coin wallet to be sent.



2. Select SEND button.



3. Enter send address, amount, fee and click SEND button.



4. Authenticate and access the Device.

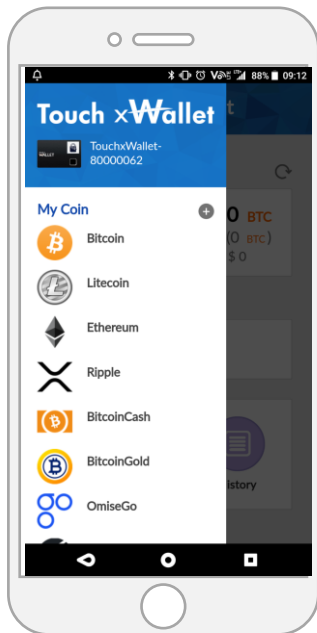


5. Verify send and select Yes.

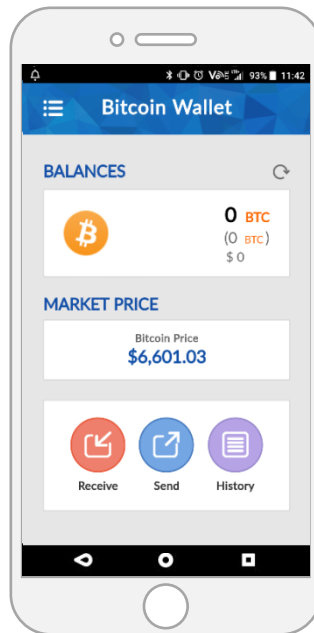


6. Approve transaction with fingerprint.

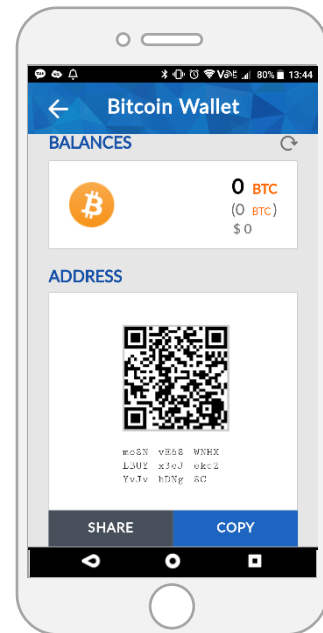
Receive Cryptocurrency



1. Select a coin wallet to be received.



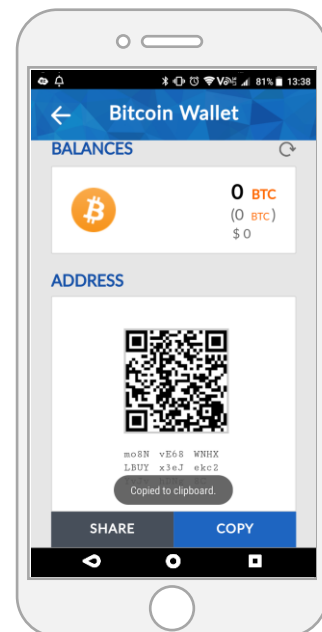
2. Select RECEIVE button.



3. Verify receiving address and confirm SHARE or Copy.

When sharing receiving address, phone's messenger or SNS App can be used to share the address by QR or text format.

When copying receiving address, it can be copied onto a clipboard to be added and shared.



Description

Describes that are commonly used in Crypto currency transactions.

- PIN : Bluetooth pairing Number
- Address : Cryptocurrency Address. A Bitcoin addresses take HD (Hierarchical Deterministic) Wallet format (e.g. BIP 0032, BIP 0044).

Device' s displayed address is Bitcoin' s initial wallet address and mobile App' s displayed address changes each time send/receive occurs as it takes HD(Hierarchical Deterministic) Wallet form.

- Pending : After cryptocurrency transfer, unauthorized status
- Confirm : cryptocurrency transfer confirmed
- Fee :During send via xWallet, a different rate of fees such as Low, Standard, High, or Custom can be selected. As lower fees mean lower priorities, such transactions can be completed late and delays can occur in send time in those transactions.

In sending, a selected fee is only for the certifying entity (miner) for transacted cryptocurrency and Touch xWallet does not take any profit related to fees other than this fee.

Firmware Update

Touch xWallet consists of Device and App and uses BLE (Bluetooth Low Energy) communication between devices.

Firmware update procedure is as follows:

- ① Install firmware download on PC.
(Downloadable at <http://www.touchxwallet.com>)
- ② Connect Device and USB cable.
- ③ Touch Device' s sensor and change to Firmware Mode.
- ④ Run firmware downloader on PC.
- ⑤ Click 'Device check' from firmware downloader.
- ⑥ Confirm update version and click 'Firmware Update.'
- ⑦ Progress with firmware update.
- ⑧ After update, power off the Device by touching the sensor.
- ⑨ Confirm firmware version from the Device
(About>Version)



Warning

Please read this carefully before using the product.

- Do not disassemble nor repair the product unauthorized. This voids product warranty.
- Keep the product away from heat. Exposure to heat may cause malfunctioning or damage to the product.
- Do not use the product in dusty or moisturized environment.
- Do not drop nor use excess force when handling the product. Such misuse can damage the product.
- Stay away from magnets or magnetic field. Internal data may corrupt or get damaged.
- Do not use water nor chemicals on the product for cleaning. This may cause discoloring, malfunctioning, or hazard of the product.
- Manufacturer has the right to alter or upgrade the product.
- Only download the firmware update from official site. Also, check for virus on the downloaded file using any anti-virus tools before use.
- Manufacturer is not responsible for any losses on crypto coins due to users' negligence.

Service Support

SCTECHONE Co., Ltd. warrants its products as follows according to Consumer Protection Rights:

In any errors during usage, please refer to this manual carefully again and contact us for further technical support for prompt resolution.

Technical Support

- Office : +82-2-365-3030 (South Korea)
- E-mail : support@sctechone.com
- Homepage : www.touchxwallet.com

Product Warranty

Product Name	Touch xWallet	Purchase Place	
Warranty	1 year	Customer Name	
Purchase Date			

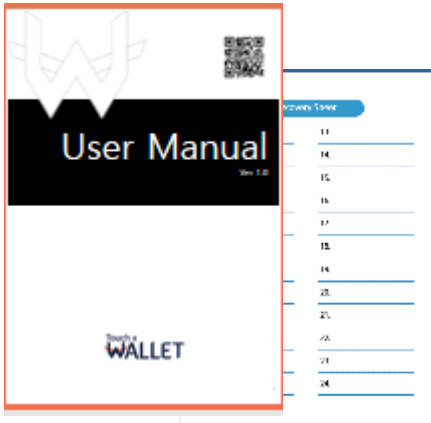
Product Contents



Touch xWallet
Device – 1



USB Cable – 1



Manual and Recovery
Sheet – 1 each

Product Specification

Category		Specification
Manufacturer		SCTECHONE Co., Ltd.
Product Name		Touch xWallet
Size	Dimension	86 * 54 *4 mm
	Weight	38 gram
Chipset	Main Chipset	STM MCU
	SE Chip	NXP SE
	Fingerprint Sensor	FPC Sensor
	Communication	BLE (Bluetooth Low Energy)
Display		e-paper, 256 * 256 pixels
Battery		160mAh/Rechargeable
Firmware Upgrade		Micro USB Type B

Touch x
WALLET