

[EN]

**Greeting and welcome to the ICON Token Swap Manual.**

**CAUTION: NEVER SHARE YOUR PRIVATE KEYS WITH ANYBODY!  
Many scammers continue to impersonate ICON admins in order to steal your cryptocurrency. ICON ADMINS WILL NEVER ASK FOR YOUR PRIVATE KEYS. NEVER SHARE YOUR PRIVATE KEYS!**

When ICON launched it's ICO and ICX began trading, ICX was an ERC20 token based on the ETH network (an Ethereum blockchain token). ICON has (since 2018) migrated to it's own public blockchain and now uses it's own ICX coin.

The previously used ICX tokens were made by the ICON Foundation and hosted on the ETH network, and the full name of these tokens is ERC20 ICX token. These are no longer the cryptocurrency of the ICON network.

ICON now uses it's own ICX mainnet coin, which is the coin based on ICON's own independent network. We call ICX a (mainnet) coin because it's based on independent network, ICON network.

The old ERC20 ICX tokens are now redundant and are only able to be stored in an ETH wallet, alternatively new mainnet ICX coins are able to be used in the ICON network and stored in an ICX compatible wallet such as ICON's own wallet - ICONex, which is the wallet application where a user can load and/or create themselves a mainnet ICON(ICX) wallet.

An ICON wallet corresponding to an ETH wallet storing ERC20 ICX tokens is made automatically, and an owner of ERC20 ICX tokens can access this corresponding ICON wallet only if the owner knows the PK (private key) of the ETH wallet.

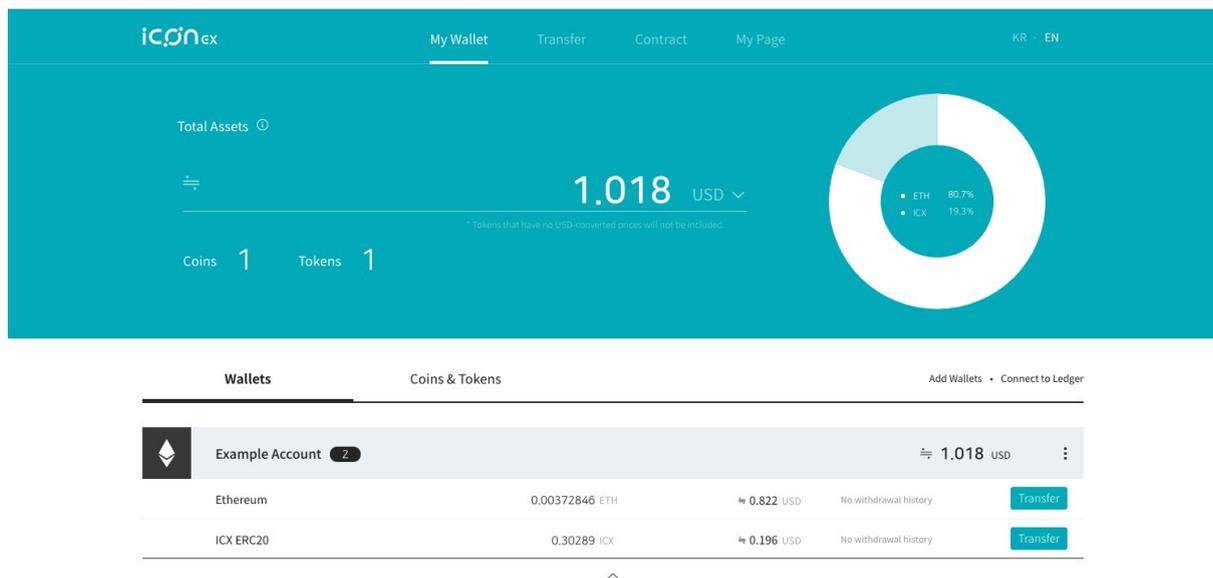
Please be careful; an address begins with 0x- is ETH wallet, but one that begins with hx- is an ICON wallet. Moreover, please differentiate ETH wallet and ICON wallet. ETH wallet is the wallet that stores ERC20 ICX token, but ICON wallet is the wallet for only mainnet ICX coin.

If you are a hard wallet user, like Ledger or Trezor, you should extract the PK of the wallet which exists in the hard wallet and is storing ERC20 ICX tokens. You should contact hard wallet's company regarding extracting the PK. We guess you could find some manuals for extracting the PK on the URLs listed below.

<https://support.ledger.com/hc/en-us>  
[https://wiki.trezor.io/Recovery\\_seed](https://wiki.trezor.io/Recovery_seed)  
<https://www.myetherwallet.com/access-my-wallet>

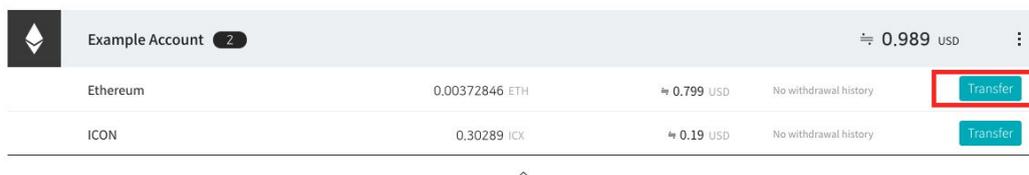
## 1. Setting

- Download ICONex from the Chrome Webstore
- Load the ETH wallet that stores your ICX ERC20 tokens



2. Request Swap: Send **0 ETH only** (NOT ERC20 ICX) from the wallet that stores your ICX ERC20. (If your ETH wallet have an issue in sending 0 ETH, please send a minimum ETH, like 0.000001 ETH)

- Click the 'Transfer' button of your Ethereum address.



- Enter 0 ETH as the transfer amount (This is only for the verification. You only have to pay the transaction fee.)
- Enter the ETH address below. This address belongs to the ICON Foundation.

ETH Address: 0x4c35b228dd2027acd4a229cd21c1b33d3a57c509

The screenshot shows a wallet interface with the following fields and values:

- Transfer Amount:** 0 ETH (0 USD), with a balance of 0.003728462 ETH.
- Gas Limit:** 21000
- Gas Price:** 21 Gwei, with a slider ranging from Slow (1) to Fast (99).
- Data (Optional):** A text input field containing "Data (Optional)".
- Summary:**
  - Estimated Maximum Fee: 0.000441 ETH (0.095 USD)
  - Estimated Balance: 0.003287462 ETH (0.704 USD)
- Receiving Address:** 0x4c35b228dd2027acd4a229cd21c1b33d3a57c509, with buttons for "My Address" and "Address Book".

(Please make sure you enter the right receiving address.)

3. After the request, ICON Foundation will send the same amount of ICX coins to the verified addresses that store ICX ERC20 tokens.

- The ICX coin will be sent automatically to the ICX wallet that is loaded by the ETH wallet's PK you send 0eth.

#### 4. How to check your swapped ICX

4.1. Save the private key of your ETH address that stores your ICX tokens

- If you store your wallet in ICONex, you can copy the private key from the 'Backup wallet' menu

icxwallet My Wallet Transfer Contract My Page KR EN

Total Assets ⊕

☰

1.018 USD ⌵

\* Tokens that have no USD-converted prices will not be included.

Coins 1 Tokens 1

Asset	Percentage
ETH	80.7%
ICX	19.3%

**Wallets** Coins & Tokens Add Wallets Connect to Ledger

Wallet Name	Assets	Value	Actions
Example Account <span>2</span>		☰ 1.018 USD	⋮
Ethereum	0.00372846 ETH	↳ 0.822 USD	<ul style="list-style-type: none"> <li>Change wallet name</li> <li>Change wallet password</li> <li><b>Backup wallet</b></li> <li>Add token</li> <li>Remove wallet</li> </ul>
ICX ERC20	0.30289 ICX	↳ 0.196 USD	

Total Assets ⊕

☰

Coins 1

**Wallets**

Example Account 2

Ethereum

ICX ERC20

### Backup Wallet

You can load your wallet using the Keystore file or your private key. Please backup your Keystore file or private key.

1 Download the Keystore file (wallet backup file)

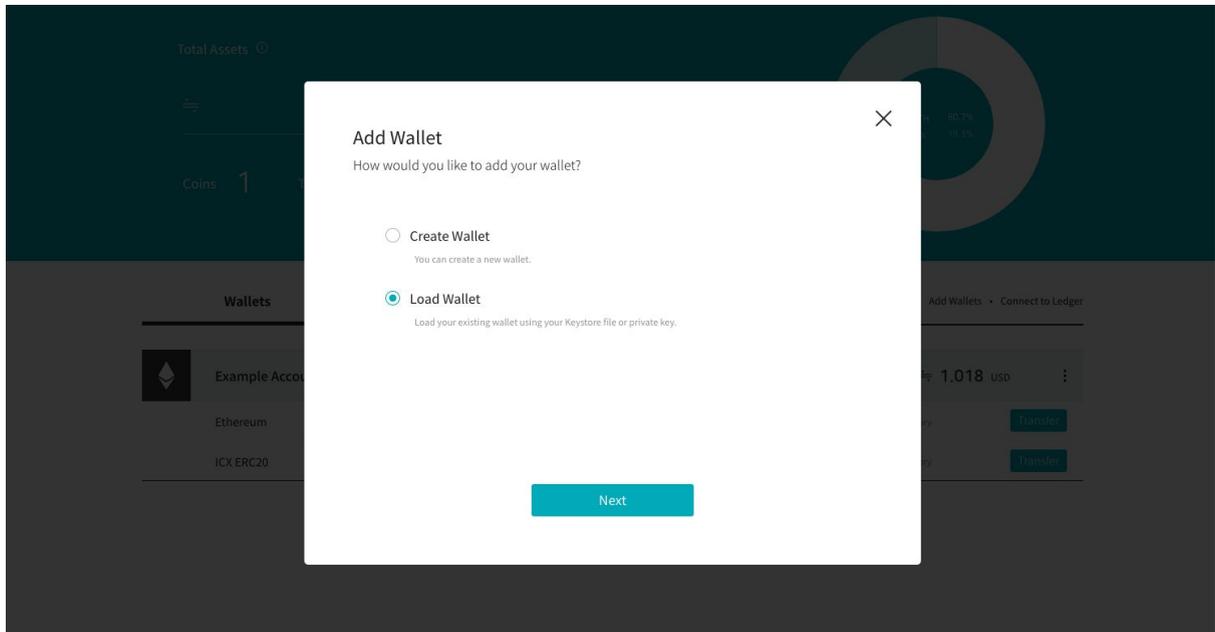
- Anyone who can access to the Keystore file and the password can transfer assets from the wallets without your permission. Please be careful not to expose your private key.
- Be careful not to accidentally delete your Keystore file.

[Download Keystore file \(wallet backup file\)](#)

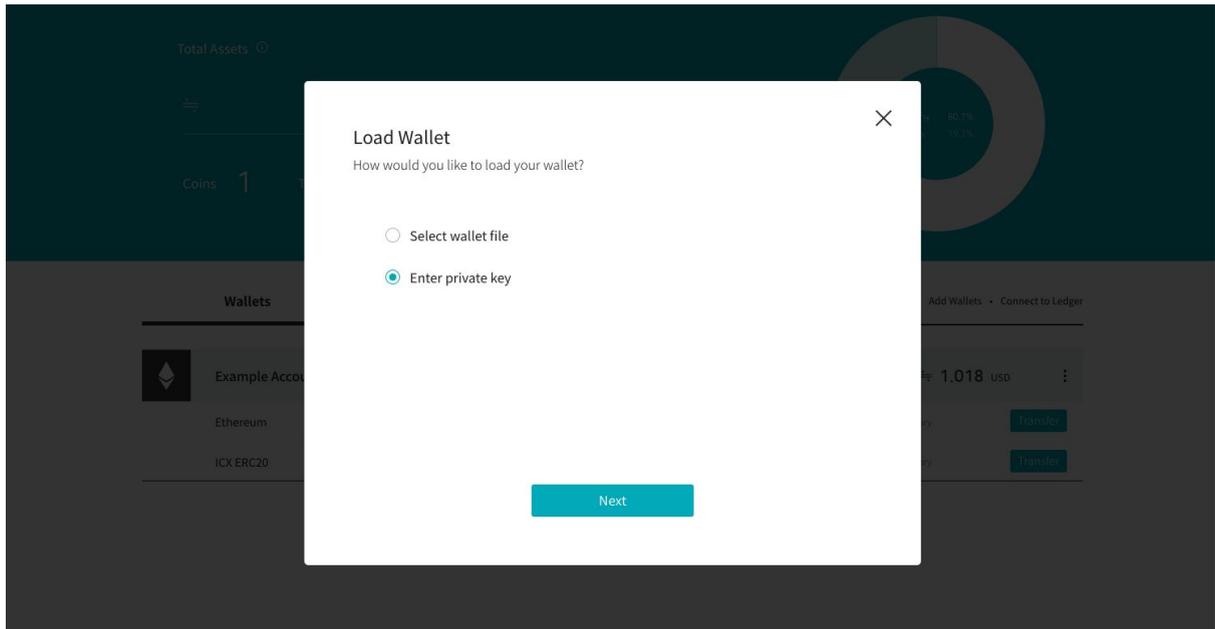
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## 4.2. [Important!] Create ICX wallet with your ETH private key

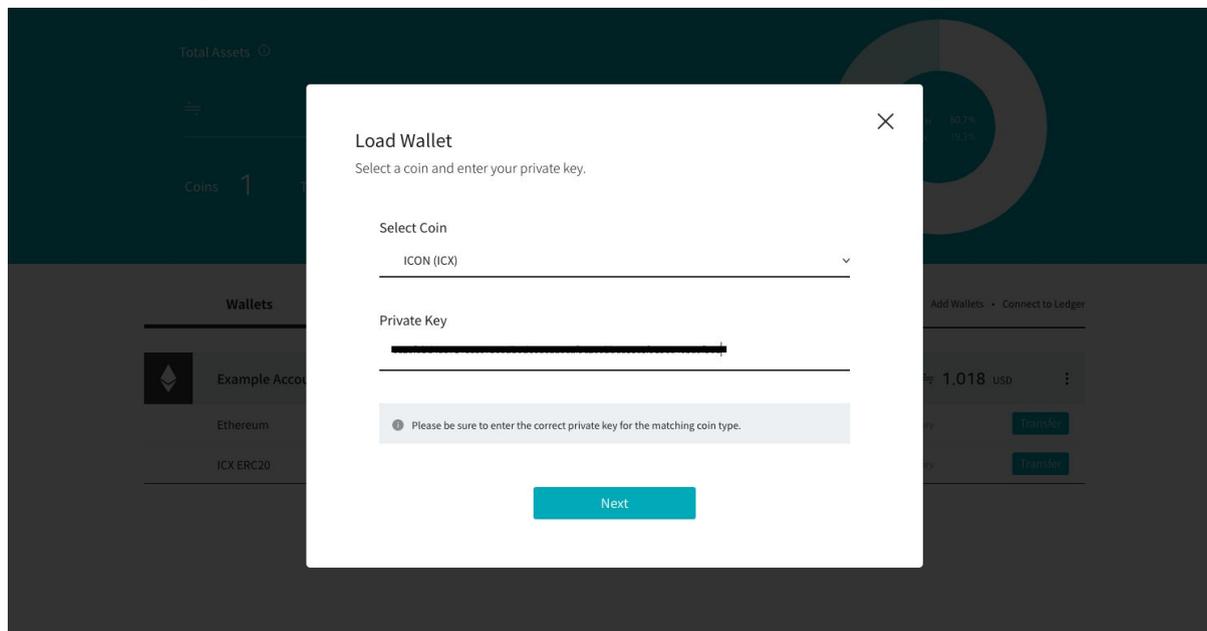
- Select 'Load Wallet' at 'Add Wallet' menu



- Select 'Enter private key'



- [Important!] Select 'ICON(ICX)'. Then, enter your ETH private key (Please refer to 4.1) If your private key starts with 0x, remove it. Example: "0x12345....." load it in as "12345....."



- New ICX wallet will be created. The private key is the same as ETH address that stores your ICX ERC20 tokens.

(Please take caution managing this ICX wallet as your ICX coins will be sent to this address)

5. Swap Schedule : the 1st of September 2020, 18:00 (KST) sequential processing \*( Submission order )

<b>FAQ Sheet : Additional token swap support</b>	
<b>Question</b>	<b>Answer</b>
When is the deadline for submission of 0 ETH?	by the 1st of September, 2020, 09:00 (KST)
When will my ERC20 ICX token swap to MainNet ICX coin?	The token swap will begin the 1st of September, 2020, 18:00 (KST), and will be delivered on a first come first serve basis.
What is the address that I should send 0 ETH to?	0x4c35b228dd2027acd4a229cd21c1b33d3a57c509 = ICON Foundation's ETH wallet address
Why do I need to send 0 ETH to ICON Foundation?	This is the procedure to check if you are the owner of the wallet you wish to token swap.
Is it possible to send 0 ETH from a wallet other than ICONex?	It doesn't matter which wallet you use. Please just send 0 ETH to 0x4c35b228dd2027acd4a229cd21c1b33d3a57c509. We will check the balance of ERC20 ICX tokens stored in the sending address.
Why can I not move ERC20 ICX to another wallet?	All of ERC20 ICX was locked up, so you can not move your tokens. After the end of the formal token swap, all of the ERC20 ICXs have been locked up.
How will I receive my MainNet ICX?	You can load your ICX wallet from ICONex via the PK of your ETH wallet. We will send MainNet ICX to this wallet address. (* When you load ETH wallet with the private key in ICONex, ICX wallet sharing the same pk with ETH wallet is automatically created! )
How do I check the PK of a hard wallet (Ledger, Trezor ...)?	In the hard wallet, the PK can be found through "Mnemonic Phrase" or another method the wallet's company made. Please contact the company regarding further info.  <b>Please refer to the URLs below</b>  <a href="https://support.ledger.com/hc/en-us">https://support.ledger.com/hc/en-us</a> <a href="https://wiki.trezor.io/Recovery_seed">https://wiki.trezor.io/Recovery_seed</a> <a href="https://www.myetherwallet.com/access-my-wallet">https://www.myetherwallet.com/access-my-wallet</a> *Access my wallet -> Software -> Mnemonic Phrase
Can I get a token swap without a PK?	If you do not have a PK, you can not check and withdraw the swapped coin. The swapped coin can only be checked on the ICX wallet loaded through the PK of the ETH wallet that you sent 0 ETH from.

How to load ICX wallet	<ol style="list-style-type: none"> <li>1. Install ICONex on Chrome, IOS or Android.</li> <li>2. Click 'Load wallet' (or Add wallet then click Load wallet after)</li> <li>3. Select <b>ICON</b>, not ETH.</li> <li>4. Input the PK of the ETH wallet where you storing ERC20 ICX tokens. (If the PK begins with 0x, please don't input the PK with 0x at the front)</li> <li>5. Then the ICON wallet corresponding to the ETH wallet will be created.</li> </ol>
* <b>Token swap Process</b>	<ol style="list-style-type: none"> <li>1. Please send 0 ETH from the ETH wallet storing ERC20 ICX tokens to the ICON Foundation's ETH wallet(0x4c35b228dd2027acd4a229cd21c1b33d3a57c509).</li> <li>2. We check the balance of ERC20 ICX tokens you have, and all of the steps for applying to the token swap is done.</li> <li>3. We send converted mainnet ICX coins to new ICON wallet that is created automatically. The ICON wallet is corresponding to the ETH wallet storing ERC20 ICX tokens.</li> <li>4. You can access this ICON wallet where we send converted ICX coins with the PK of ETH wallet storing ERC20 ICX tokens (If the PK begins with 0x, please don't input the PK with 0x at the front). These two wallets are corresponding as explained above.</li> </ol> <p>*Please differentiate the ETH wallet and the ICON wallet. A wallet address begins with 0x- is ETH wallet and a one begins with hx- is ICON wallet. Any transaction can't occur between ETH wallet and ICON wallet.</p> <p>*You must input the PK at the step for loading the ICON wallet where we send converted ICX coins. There is no other way to access the ICON wallet or converted mainnet ICX.</p> <p>*We don't send converted ICX to another wallet.</p> <p>*If you are a hard wallet user and the guide we told you is not enough for extracting the PK, please contact the wallet's company.</p>

[KR]

## 1. Setting

- Chrome Webstore에서 ICONex 설치
- ICX ERC20 토큰을 보유한 ETH 지갑 준비 (개인키 혹은 Keystore 파일로 가져오기)
- ETH지갑에 ICX ERC20 Token이 추가된 상태

(<https://docs.google.com/document/d/1kAjlCXq2oyT3EYG3wQMhrarYwGE2kOH5uXkmZYiqRo/edit> 에서 11, 12단계 참고)

The screenshot shows the main dashboard of the ICONex wallet. At the top, there are navigation tabs for '내 지갑' (My Wallet), '송금' (Send), '컨트랙트' (Contracts), and '마이페이지' (My Page). The current balance is displayed as 1.019 USD. A donut chart shows the asset distribution: ETH (80.7%) and ICX (19.3%). Below the chart, it indicates 1 coin type and 1 token type. The bottom section shows a table of assets for 'Example Account'.

Asset Type	Quantity	Value (USD)	Status	Action
Ethereum	0.00372846 ETH	₩ 0.822 USD	송금내역 없음	송금
ICX ERC20	0.30289 ICX	₩ 0.197 USD	송금내역 없음	송금

## 2. 스왑 신청방법: 토큰을 보유한 ETH 지갑 주소에서 ICON Foundation의 ETH 주소로 '0 ETH' 전송

- 이더리움 코인의 '송금하기' 버튼 클릭

This screenshot is similar to the previous one but highlights the '송금' (Send) button for the Ethereum asset row with a red box, indicating the next step in the swap process.

Asset Type	Quantity	Value (USD)	Status	Action
Ethereum	0.00372846 ETH	₩ 0.799 USD	송금내역 없음	송금
ICON	0.30289 ICX	₩ 0.19 USD	송금내역 없음	송금

- (중요!) 송금량은 0 입력 (단순 인증을 위한 송금이며, 수수료는 신청자의 부담입니다.)

- '송금 받는 주소'에 ICON Foundation의 ETH 주소 입력

ETH Address: 0x4c35b228dd2027acd4a229cd21c1b33d3a57c509

송금할 코인 수량  ETH  전액

보유 0.003728462 ETH

₩ 0 USD

가스 한도

가스 가격     퍼름

데이터(선택)

예상 최대 수수료	0.000441 ETH	₩ 0.094 USD
송금 후 예상 잔액	0.003287462 ETH	₩ 0.704 USD

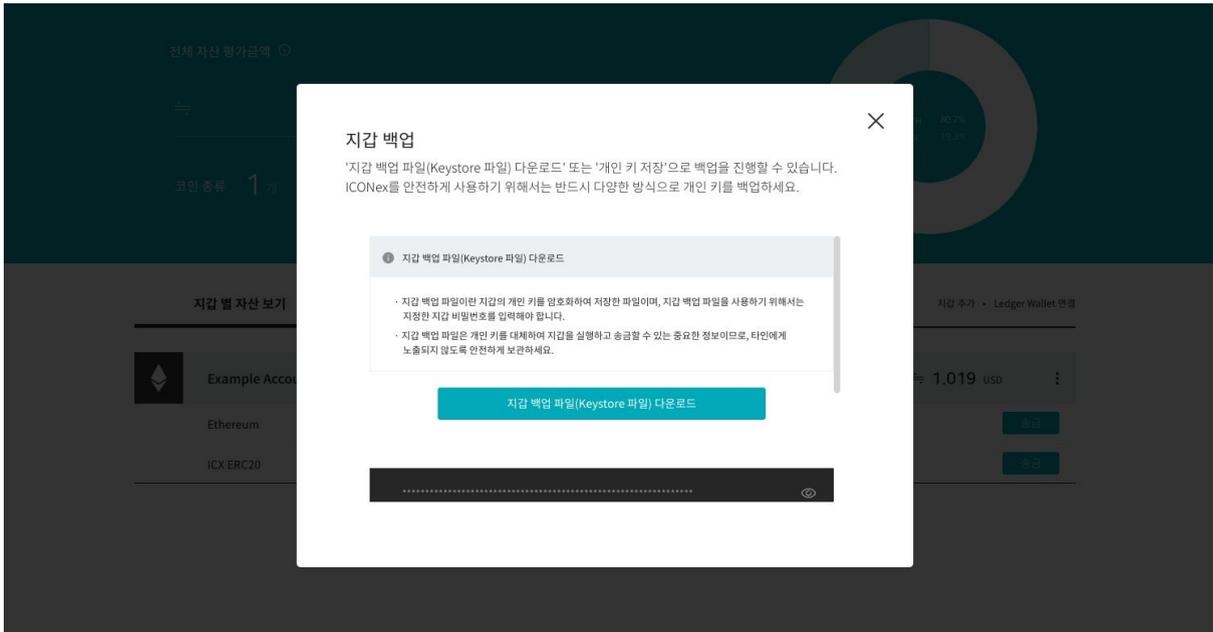
송금 받는 주소

(\* 반드시 받는 주소를 다시 한번 확인해 주세요!!)

3. 신청 완료 후 ICON Foundatin에서 해당 계좌에 보유한 토큰 액수 만큼 ICX 지급으로 지급

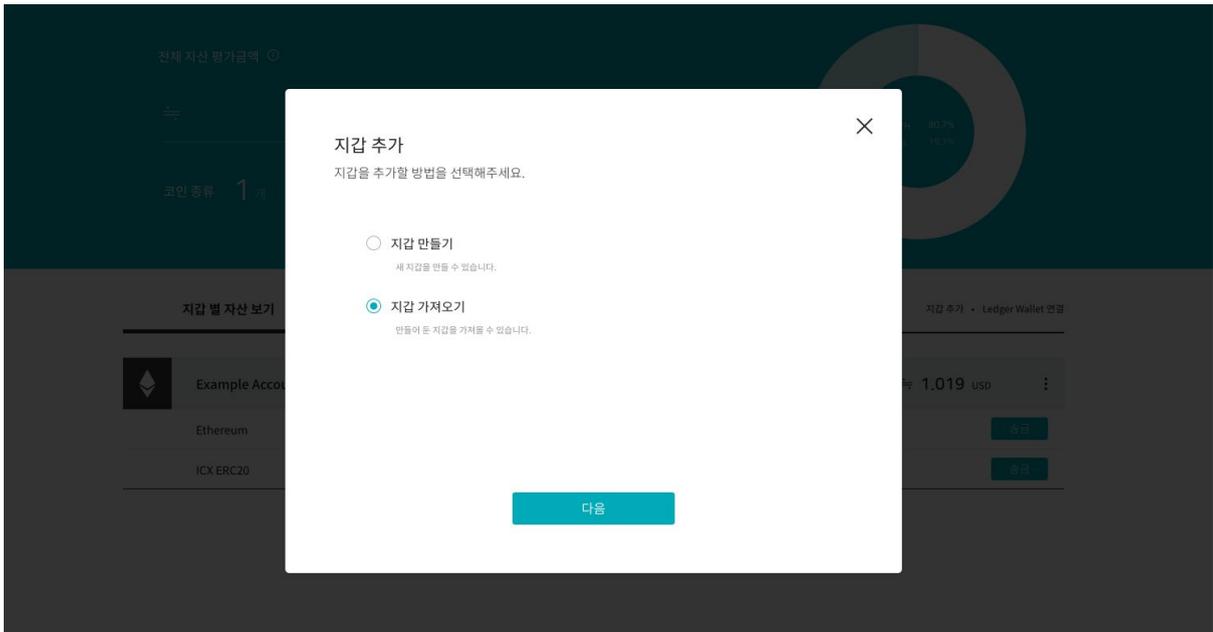
#### 4. 지급된 ICX 확인 방법

4.1. ICX ERC20 토큰을 보유한 ETH 지갑의 Private Key(PK) 준비  
 - ICONex의 경우에 지갑 메뉴의 '백업하기'에서 비밀번호 입력 후 확인 가능

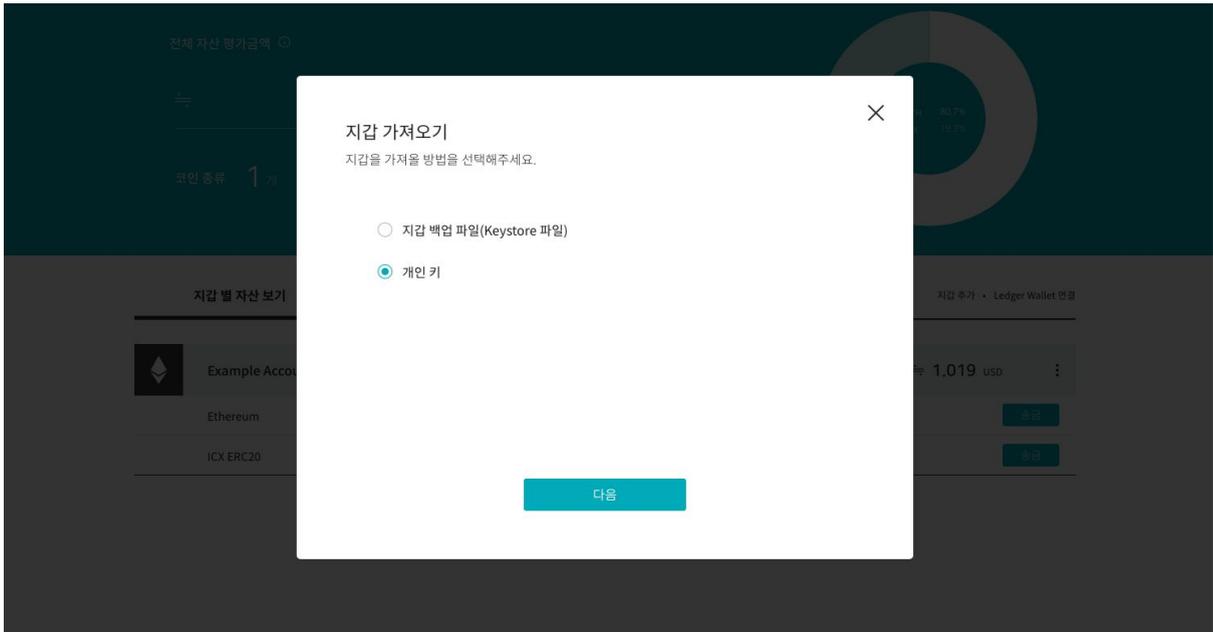


## 4.2. 스왑 받을 MainNet ICX 지갑 주소 생성 (중요!)

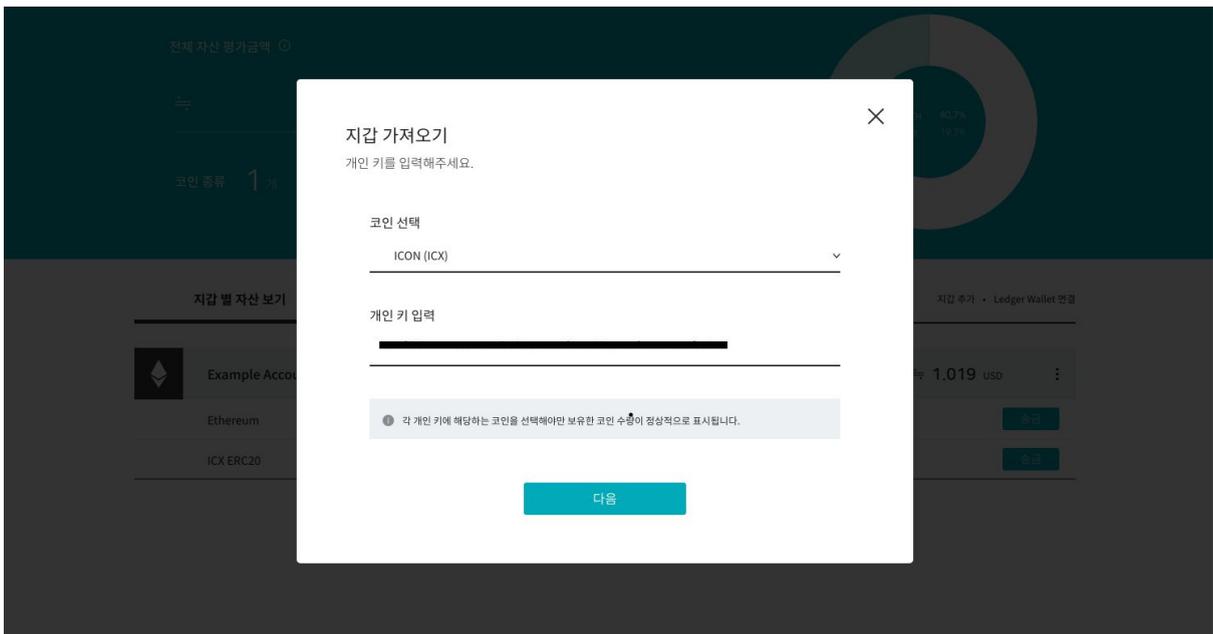
- '지갑 가져오기' 선택



- '개인 키' 선택



- [중요!] 코인 종류는 "ICX"로 선택  
 → ICX 토큰을 보유한 ETH 주소의 PK 입력



- PK가 동일한 ICX 메인넷 코인 주소가 생성됨.  
 (새로 생성 ICX 주소로 스왑된 코인이 입금되므로 개인키와 백업파일을 잘 보관하세요!)

## 5. 스왑 지급 일정 (TBD) : 2020년 9월 1일 (화) 18:00 (KST) 부터 순차처리

- 스왑된 ICX는 지급일정 이후 약 2주에 걸쳐 지급될 예정이며 만약 2주 이후에도 수령을 하지 못하신 경우 support@icon.foundation 메일로 ERC20-ICX 가 담겨져 있는 ETH 지갑 주소와 0ETH를 발송하신 TX 주소를 포함하여 발송 요청드립니다.

