



Instruction Manual for Wanwallet 2.0 GUI

Cross-chain transactions

With 2.0 release, Wanwallet now supports cross-chain transactions with Ethereum.

Previous versions of Wanwallet still work as usual after release of Wanwallet 2.0, but new features like cross-chain transactions require Wanwallet 2.0 or later.

For users of previous versions, we strongly recommend backing up keystore files in a safe location before upgrading to Wanwallet 2.0 to prevent any kind of data loss, though the upgrading process will not alter existing keystore files in any way.

This instruction guide is for Wanwallet 2.0 GUI in which users can send ETH to Wanchain and withdraw ETH from Wanchain to Ethereum.

Users can choose between ETH/WAN main network and test network.

This version combines ETH light wallet and WAN full node wallet.

Terminology

WETH: Wanchain Ethereum Crosschain Token, ETH symbol on Wanchain.

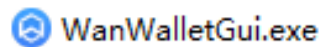
HTLC: Hashed Timelock Contracts.

1) Download Wanwallet 2.0 installation file from <https://wanchain.org/product>

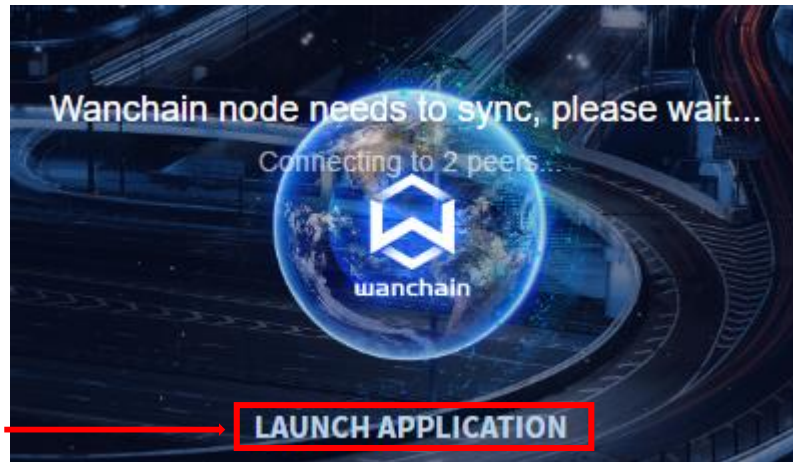
*Wanwallet 2.0 supports Linux, Windows, MacOS, please download corresponding installation file for your OS.

2) Extract the file, run, and click the "LAUNCH APPLICATION" button below to start the wallet

For Windows:



For MacOS:



3) Click here to start:

For Linux: Setup by CLI: `sudo dpkg -i WanWalletGui-linux64-2.0.X.deb`

Start by CLI for main network: `wanwalletgui`

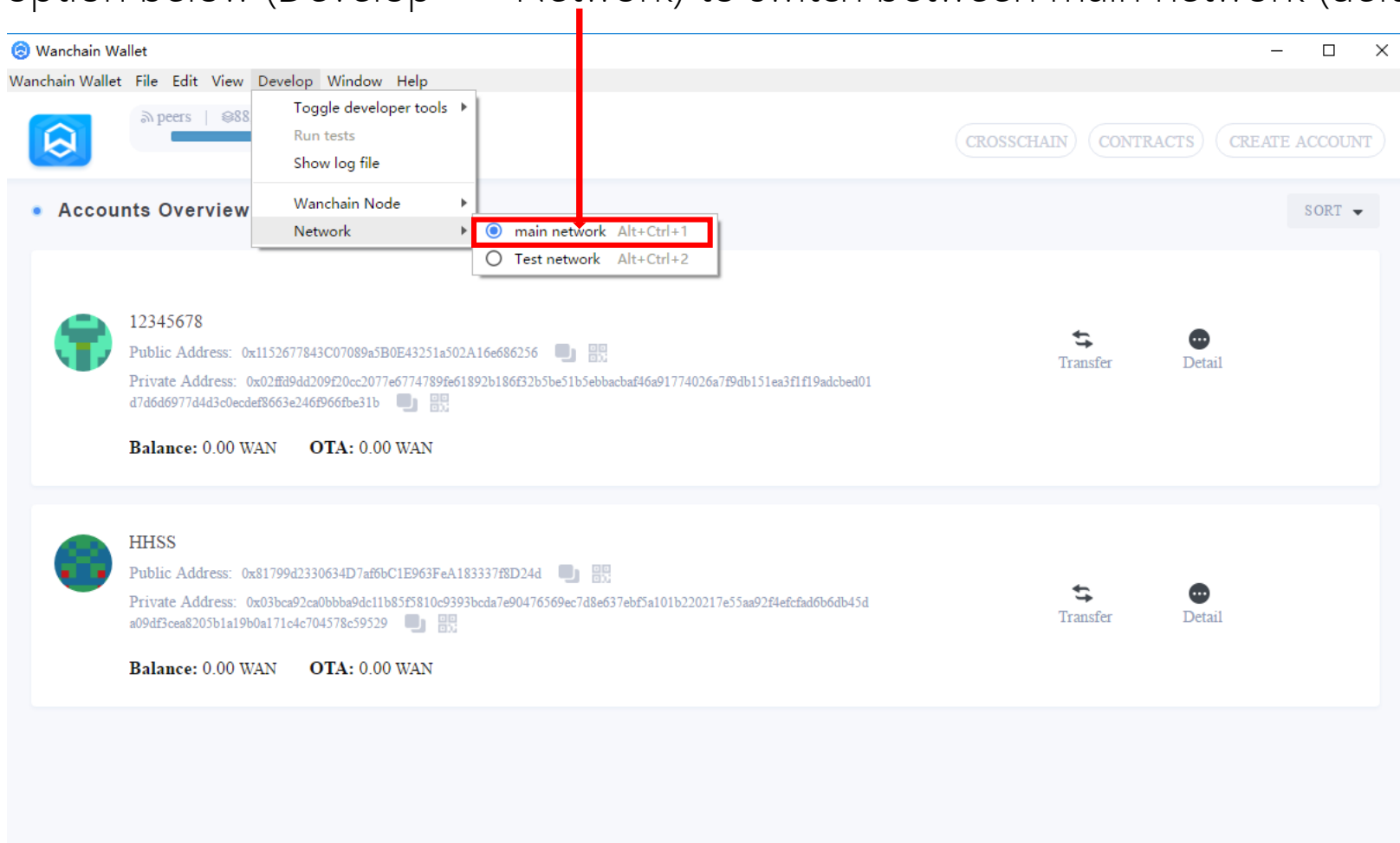
Start by CLI for test network: `wanwalletgui --network testnet`

Or click Wanwalletgui to start under `/usr/local/bin/`

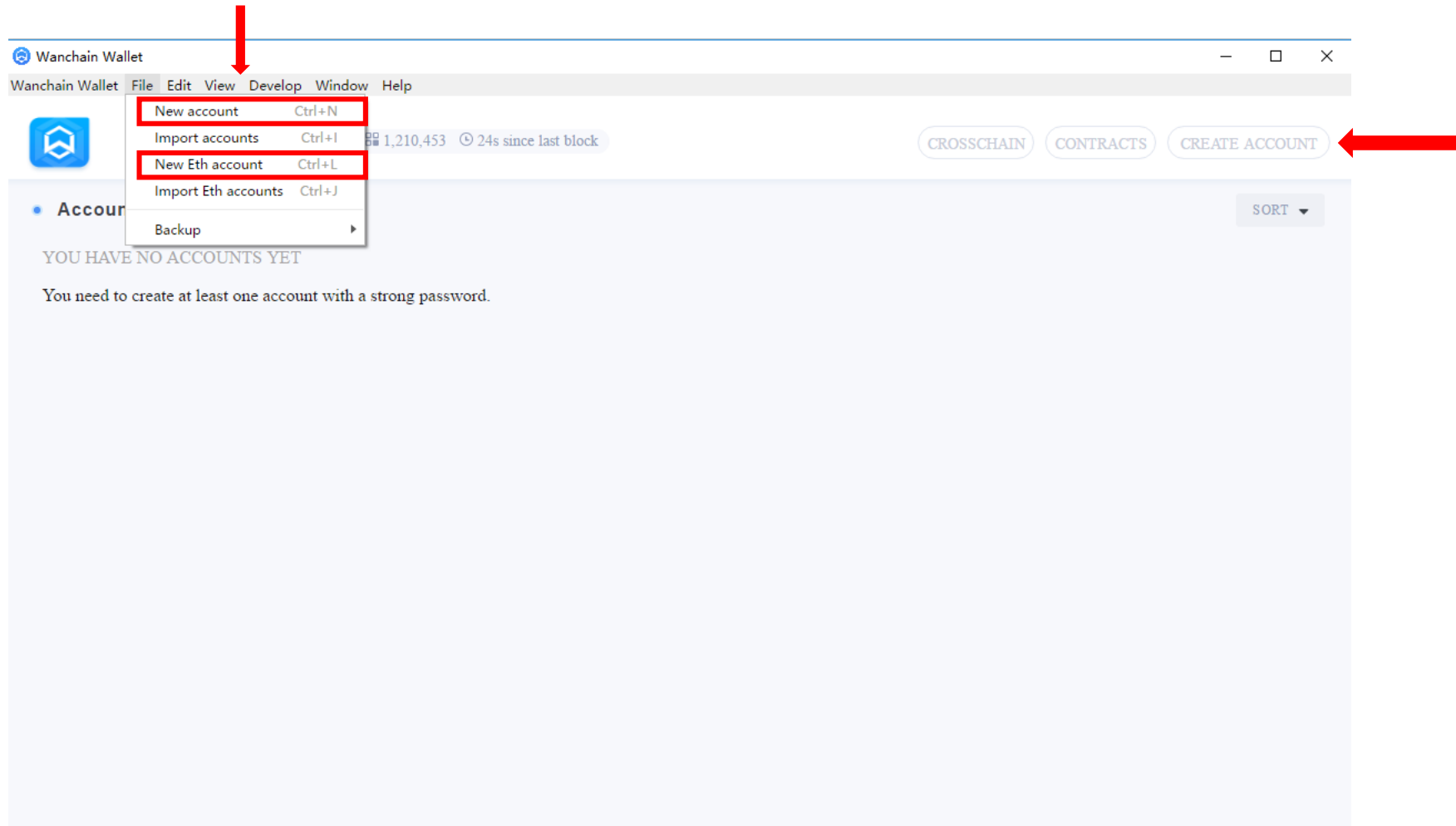
Wanwallet 2.0 works with both main and test networks of Wanchain and Ethereum.

Below you can see the Wanchain accounts overview page (also the default start-up page), you can access it anytime by clicking on the Wanchain logo on the upper-left corner

4) Use the menu option below (Develop--->Network) to switch between main network (default network) and test network.

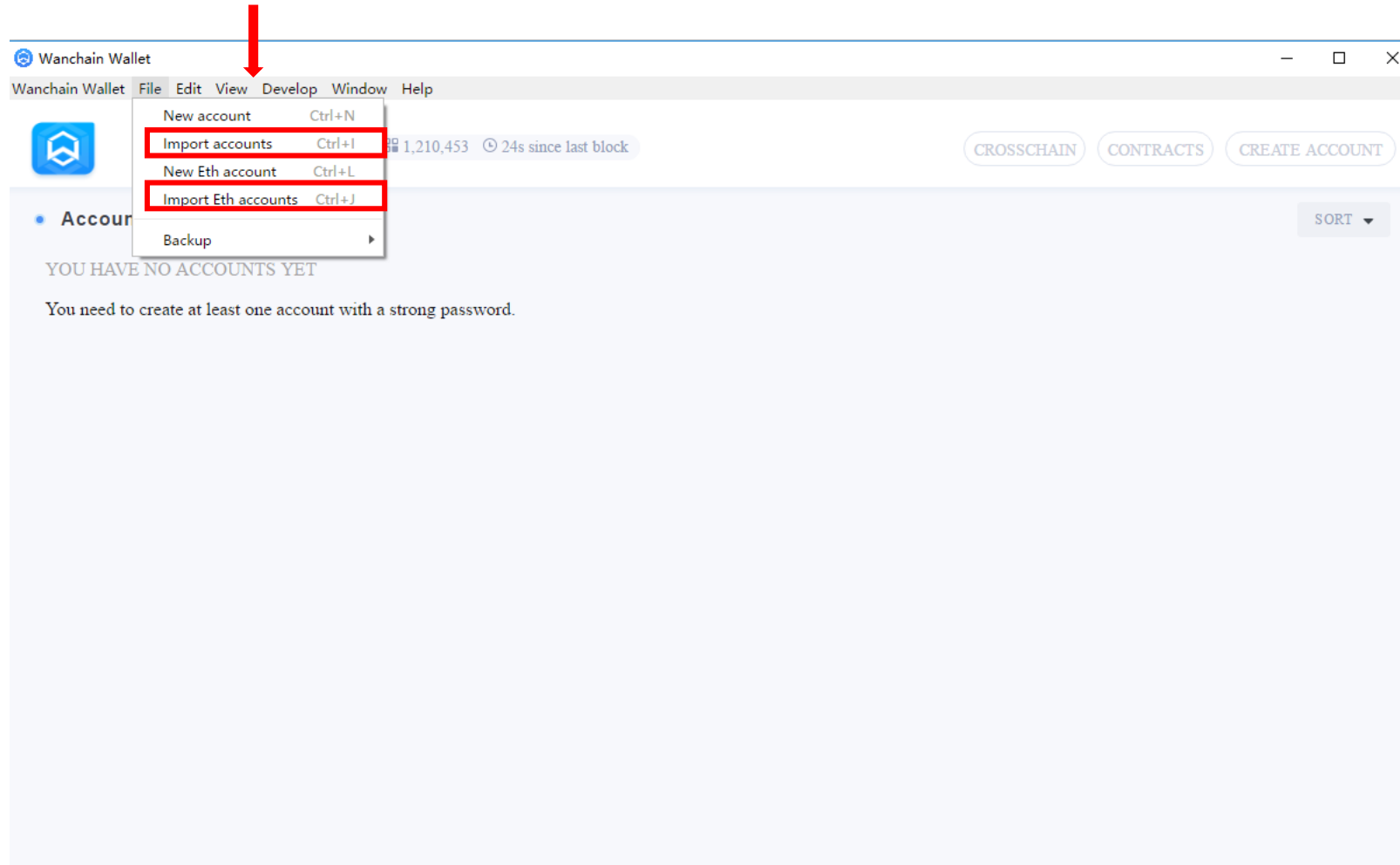


5) These 2 options allow you to create new WAN or new ETH account.
The "CREATE ACCOUNT" button in the upper-right corner only creates new WAN account

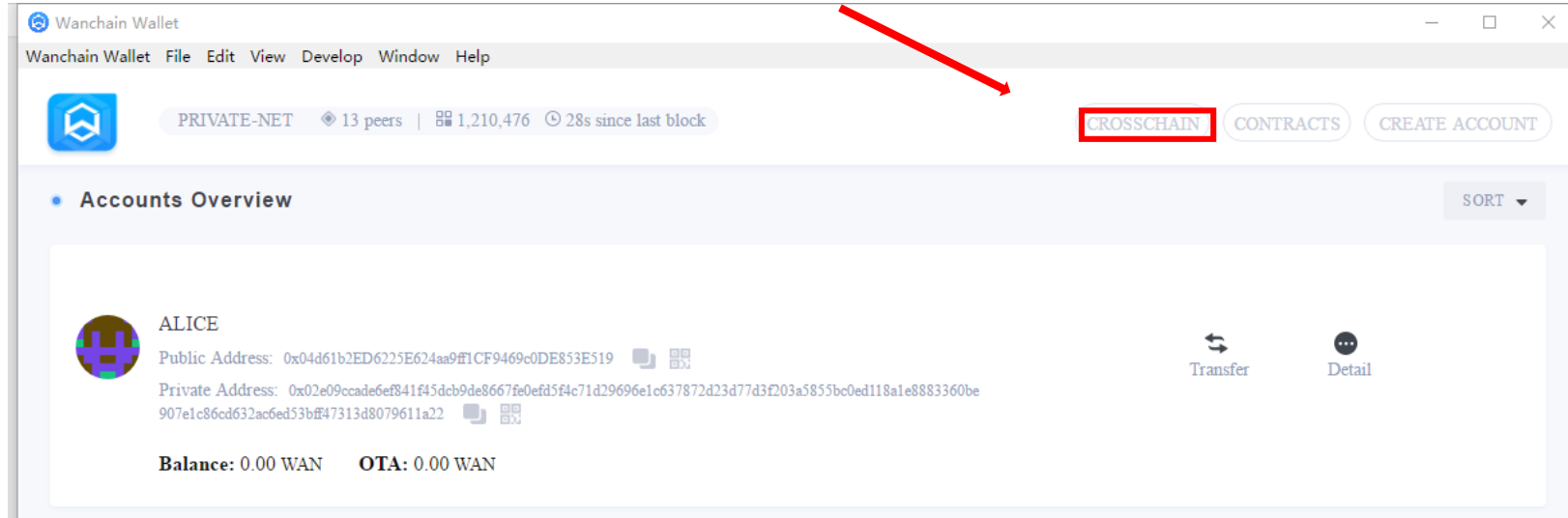


You can also import existing WAN or ETH account using wallet keystore file

Backup feature opens local keystore files location of WAN or ETH accounts



Crosschain transactions are under this tab.



6) Before you make a crosschain transaction, please check WAN and ETH balance in your account in Wanwallet GUI or with links below.

Main network :

ETH: <https://etherscan.io/>

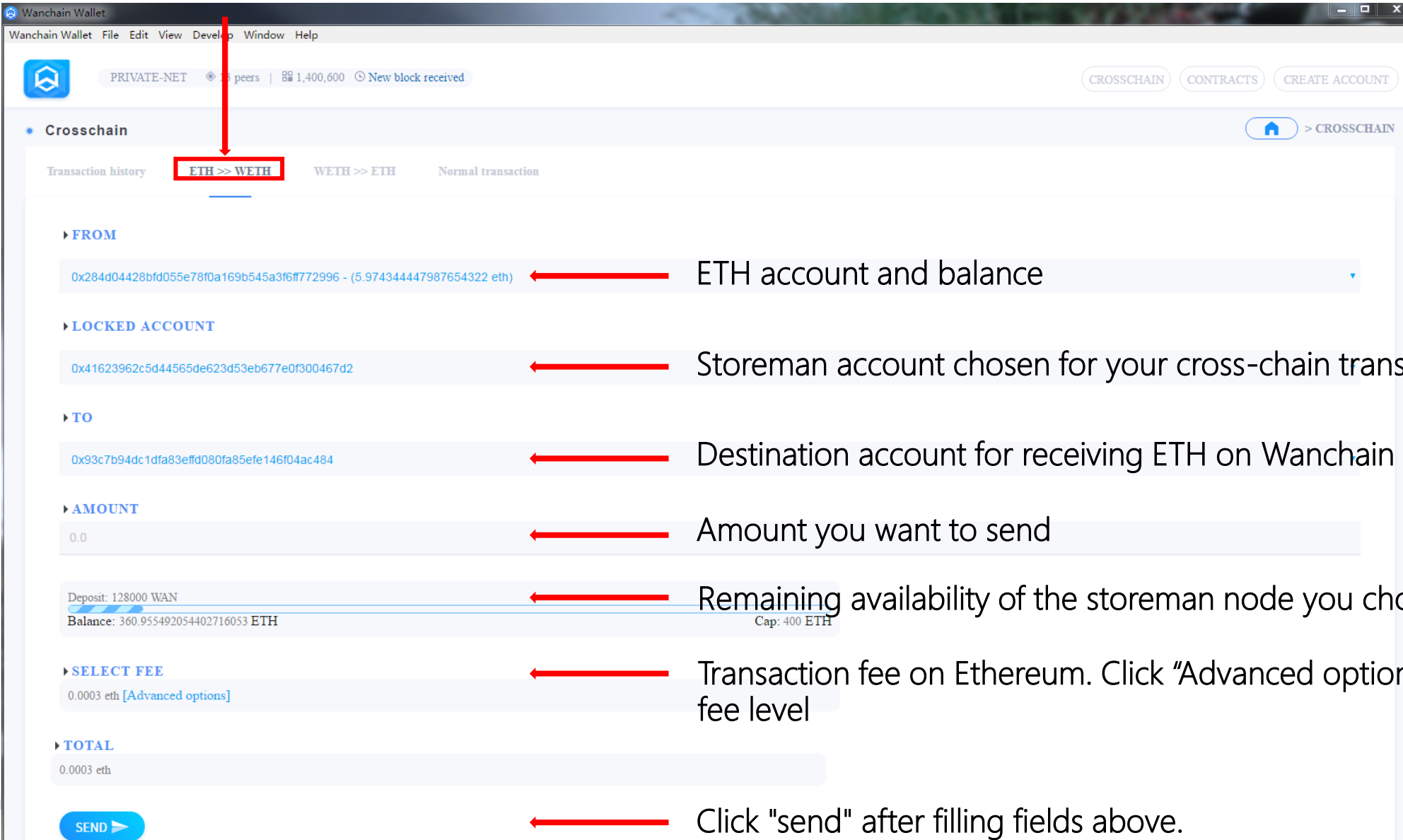
WAN: <https://www.wanscan.org/>

Test network :

ETH: <https://rinkeby.etherscan.io/>

WAN: 13.58.108.244

7) Click the "ETH >> WETH" tab below to send ETH to Wanchain.



Wanchain Wallet

PRIVATE-NET | 1,400,600 | New block received

CROSSCHAIN | CONTRACTS | CREATE ACCOUNT

Crosschain > CROSSCHAIN

Transaction history | **ETH >> WETH** | WETH >> ETH | Normal transaction

FROM

0x284d04428bfd055e78f0a169b545a3f6f772996 - (5.974344447987654322 eth) ← ETH account and balance

LOCKED ACCOUNT

0x41623962c5d44565de623d53eb677e0f300467d2 ← Storeman account chosen for your cross-chain transaction

TO

0x93c7b94dc1dfa83effd080fa85efe146f04ac484 ← Destination account for receiving ETH on Wanchain

AMOUNT

0.0 ← Amount you want to send

Deposit: 128000 WAN
Balance: 360.955492054402716053 ETH ← Remaining availability of the storeman node you choose
Cap: 400 ETH

SELECT FEE

0.0003 eth [Advanced options] ← Transaction fee on Ethereum. Click "Advanced options" to adjust fee level

TOTAL

0.0003 eth

SEND → ← Click "send" after filling fields above.

Enter your password then press "OK" button to send the transaction.

Crosschain Transaction

Amount1.14123 ETH

From:0x284d04428bfd055e78f0a169b545a3f6ff772996

To:0x93c7b94dc1dfa83effd080fa85efe146f04ac484

+ Estimated fee 0.0003

Gas price 1000000000

Estimated required gas 300000

Data

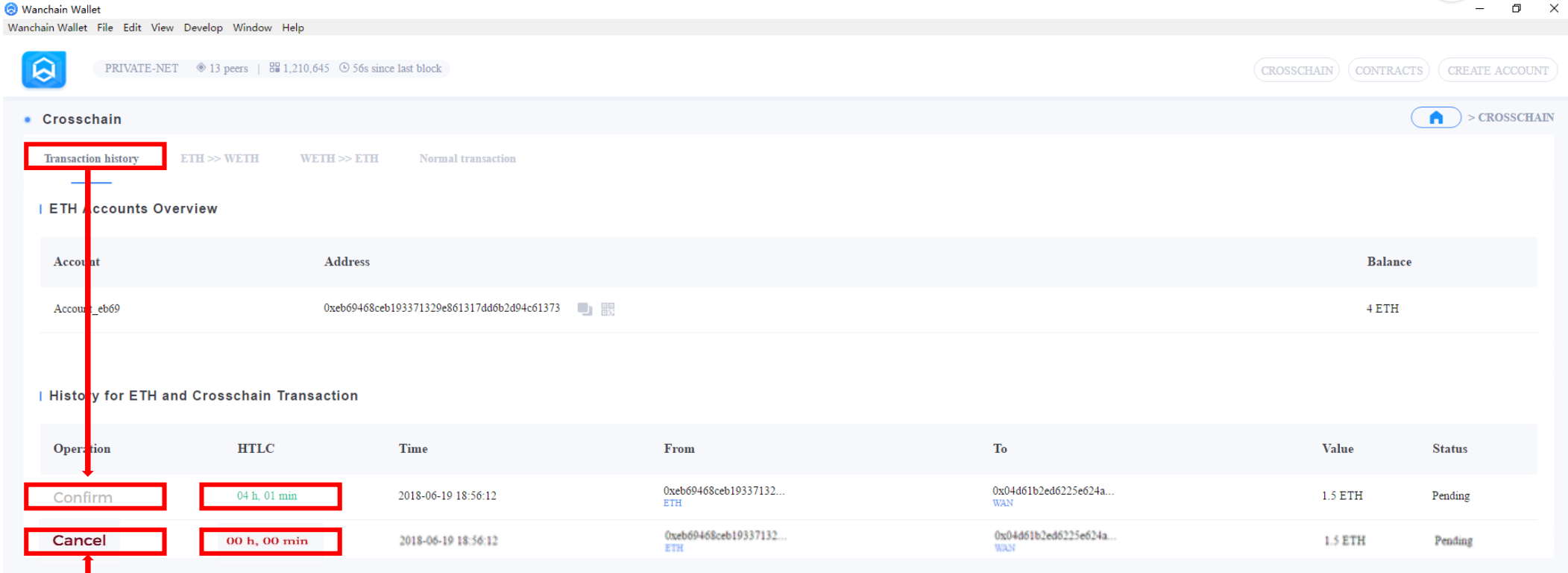
0x158e00a343a6313e370b61425bead1bbad5826bf418dc4cfe2d9ff70523452d8e1f9c851000000000000000000000000041623962c5d44565de623d53eb677e0f300467d2000000000000000000000000093c7b94dc1dfa83effd080fa85efe146f04ac484

Enter FROM account's password

CANCEL

OK

8) In the "Transaction history" tab, click on the "Confirm" button to finalize the cross-chain transaction process once it turned red.



Wanchain Wallet

PRIVATE-NET | 13 peers | 1,210,645 | 56s since last block

CROSSCHAIN CONTRACTS CREATE ACCOUNT

Crosschain

Transaction history ETH >> WETH WETH >> ETH Normal transaction

ETH Accounts Overview

Account	Address	Balance
Account_eb69	0xeb69468ceb193371329e861317dd6b2d94c61373	4 ETH

History for ETH and Crosschain Transaction

Operation	HTLC	Time	From	To	Value	Status
Confirm	04 h, 01 min	2018-06-19 18:56:12	0xeb69468ceb19337132... ETH	0x04d61b2ed6225e624a... WAN	1.5 ETH	Pending
Cancel	00 h, 00 min	2018-06-19 18:56:12	0xeb69468ceb19337132... ETH	0x04d61b2ed6225e624a... WAN	1.5 ETH	Pending

If you do not confirm before the HTLC countdown ends, it means you choose to cancel the transaction and refund the ETH from the locked account. The "Confirm" button changes to "Cancel" and you can click it to cancel the transaction once it turned red

Once the "Confirm" button turned red, click it to access "Confirm Transaction" page.

History for ETH and Crosschain Transaction

Operation	HTLC	Time	From	To	Value	Status
Confirm	03 h, 56 min	2018-07-17 18:18:06	0x284d04428bfd055e78f0a169b545a3f6ff772996 ETH	0x93c7b94dc1dfa83effd080fa85efe146f04ac484 WAN	1.14123 ETH	To be confirmed

Enter the password then click "OK" button to finalize transaction

Confirm Transaction

From:

0x284d04428bfd055e78f0a169b545a3f6ff772996
ETH

To:

0x93c7b94dc1dfa83effd080fa85efe146f04ac484
WAN

Storeman:

0x41623962c5d44565de623d53eb677e0f300467d2

Amount:

1.14123 ETH

+ Estimated fee 0.0216

Gas price 180000000000

Estimated required gas 120000

Data

0x2000fe508f37cd3f449be1c47ee1009ca6240cd684d265fade9eeb5b341f5de959206dc2

Enter TO account's password

CANCEL

OK

Once the "Cancel" button turned red (after countdown ends), click it to access "Cancel Transaction" page.

Cancel	00 h, 00 min	2018-07-05 16:32:52	0x93c7b94dc1dfa83effd080fa85efe146f04ac484 WAN	0x841a087a418ebdafad09038cc8a397b0bdbd9aee ETH	0.012345678912345678 WETH	To be cancelled
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Enter the password then click "OK" button to cancel the transaction

Cancel Transaction

From: 0x93c7b94dc1dfa83effd080fa85efe146f04ac484
WAN

To: 0x841a087a418ebdafad09038cc8a397b0bdbd9aee
ETH

Storeman: 0x06daa9379cbe241a84a65b217a11b38fe3b4b063

Amount: 0.012345678912345678 WETH

+ Estimated fee 0.018

Gas price 180000000000

Estimated required gas 100000

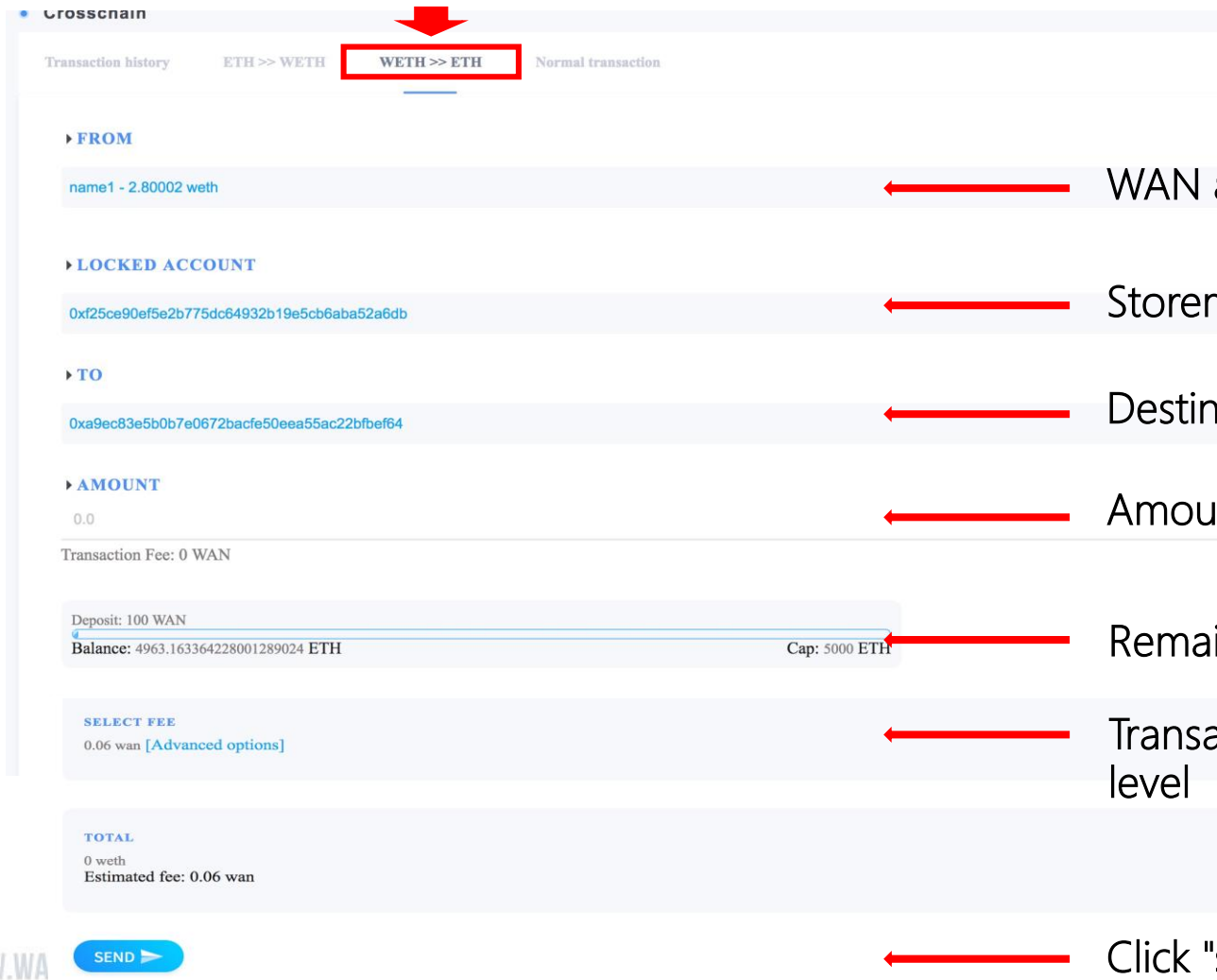
Data

0xa1270c4740c79460c9b4af6ca98b0414a6061d162cd6e22b063055a18e737c0451071dfc

Enter FROM account's password

CANCELOK

9) If you have ETH balance on Wanchain (WETH balance), you can send WETH back to Ethereum. Click the "WETH >> ETH" tab below to perform this kind of cross-chain transaction. The process is similar to the ETH to Wanchain one, please refer to section 8 for details about how to confirm or cancel the transaction.



Crosschain

Transaction history ETH >> WETH **WETH >> ETH** Normal transaction

► **FROM**

name1 - 2.80002 weth

► **LOCKED ACCOUNT**

0xf25ce90ef5e2b775dc64932b19e5cb6aba52a6db

► **TO**

0xa9ec83e5b0b7e0672bacfe50eea55ac22bfbef64

► **AMOUNT**

0.0

Transaction Fee: 0 WAN

Deposit: 100 WAN

Balance: 4963.163364228001289024 ETH Cap: 5000 ETH

SELECT FEE

0.06 wan [Advanced options]

TOTAL

0 weth
Estimated fee: 0.06 wan

SEND

WAN account and WETH balance

Storeman account chosen for your cross-chain transaction

Destination ETH account for receiving ETH

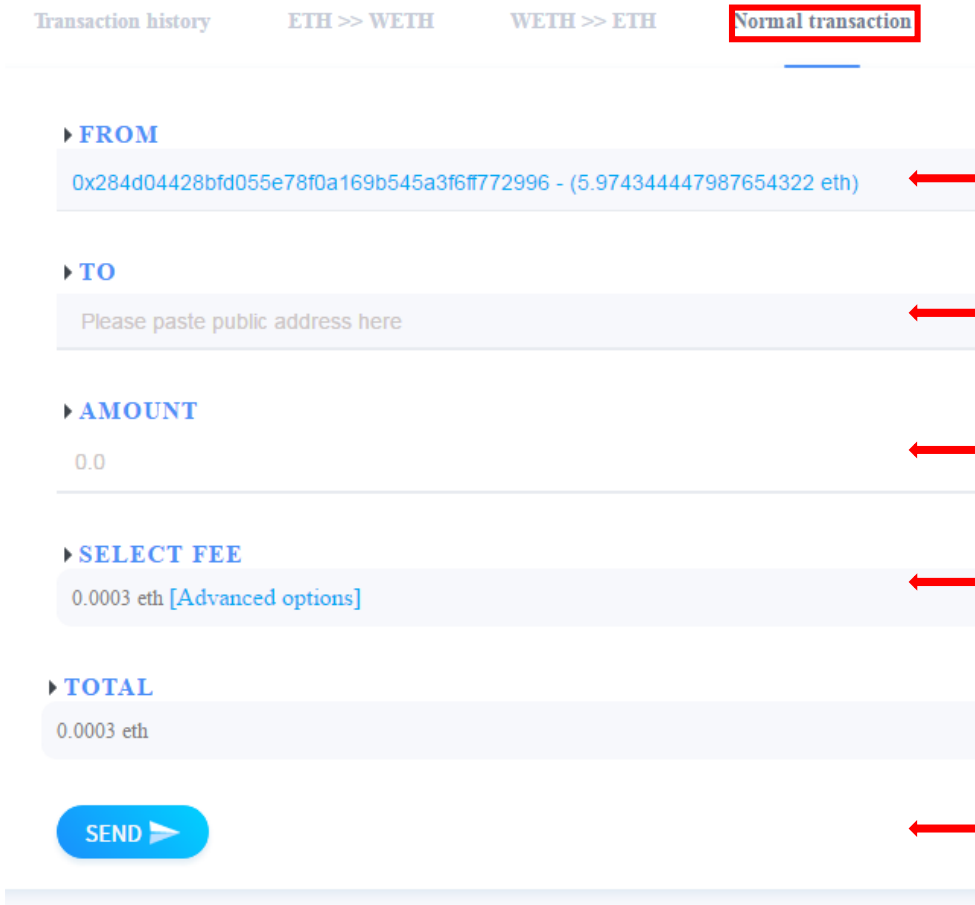
Amount you want to send

Remaining availability of the storeman node you choose

Transaction fee on WAN. Click "Advanced options" to adjust fee level

Click "send" after filling fields above.

10) You can also perform normal Ethereum transaction in Wanwallet GUI.
Click the "Normal transaction" tab below, fill source and destination accounts, transaction amount, fee preference, then click "SEND"



Transaction history ETH >> WETH WETH >> ETH **Normal transaction**

▸ **FROM**
0x284d04428bfd055e78f0a169b545a3f6f772996 - (5.974344447987654322 eth)

▸ **TO**
Please paste public address here

▸ **AMOUNT**
0.0

▸ **SELECT FEE**
0.0003 eth [Advanced options]

▸ **TOTAL**
0.0003 eth

SEND ➤

ETH account and ETH balance

Destination ETH account

Amount you want to send

Transaction fee on Ethereum. Click "Advanced options" to adjust fee level

Click "send" after filling fields above



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