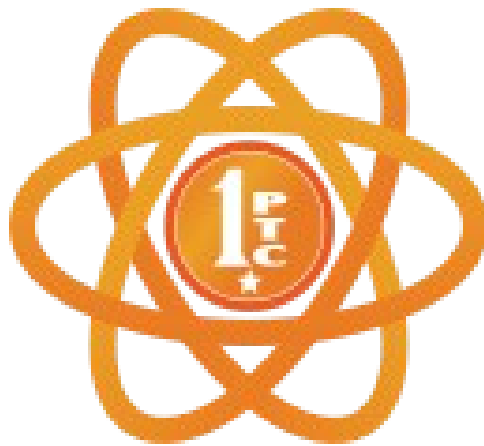


Electrum-Peseta Documentation

Release 2.2.1



PesetaCoin Team

September 1, 2017

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Electrum-Peseta is a lightweight PesetaCoin wallet.

Frequently Asked Questions

1.1 How does Electrum-Peseta work?

Electrum-Peseta focus is speed, with low resource usage and simplifying Pesetacoin. Startup times are instant because it operates in conjunction with high-performance servers that handle the most complicated parts of the Pesetacoin system.

1.2 Does Electrum-Peseta trust servers?

Not really; the Electrum-Peseta client never sends private keys to the servers. In addition, it verifies the information reported by servers, using a technique called [Simple Payment Verification](#).

1.3 What is the Seed?

The seed is a random phrase that is used to generate your private keys.

Example:

padre abuelo terapia malo traje amor enfermedad reloj falso verde corbata fuego odio
--

Your wallet can be entirely recovered from its seed. For this, select the “restore wallet” option in the startup.

1.4 How secure is the seed?

The seed created by Electrum has 128 bits of entropy. This means that it provides the same level of security as a Bitcoin private key (of length 256 bits). Indeed, an elliptic curve key of length n provides $n/2$ bits of security.

1.5 How can I send the maximum available in my wallet?

Type an exclamation mark (!) in the “Amount” field. The fee will be automatically adjusted for that amount.

1.6 How can I change the language in Electrum-Peseta?

Go to “Tools → Settings → Languages → Spanish

1.7 How can I send Pesetas without paying a transaction fee?

You can create a transaction with zero fee in the GUI, by following these steps:

- Activate the option “set fees manually”
- Enter 0 in the fee field
- Enter the amount in the amount field

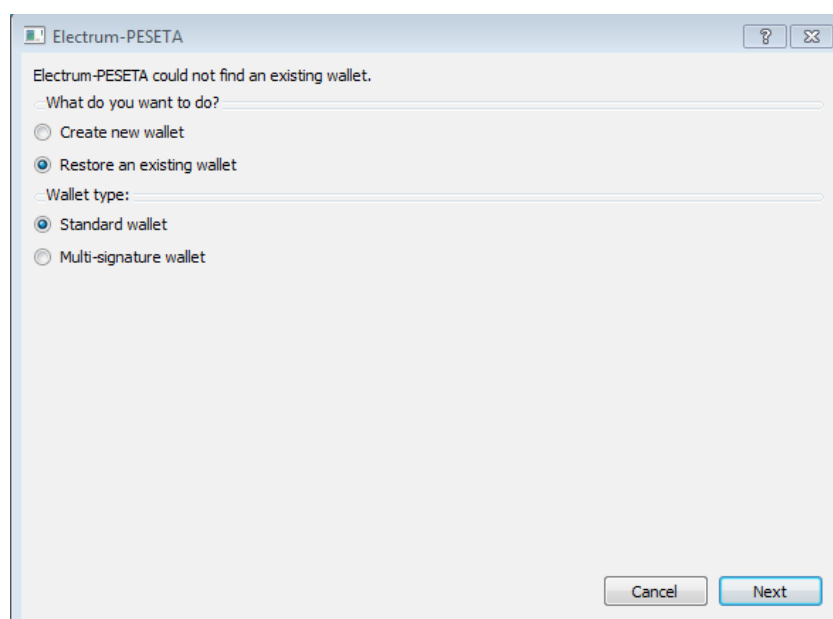
Note that transactions without fees might not be relayed by the Electrum-Peseta server, or by the Pesetacoin Network.

1.8 What encryption is used for wallets?

Electrum-Peseta uses AES-256-CBC to encrypt the seed and private keys in the wallet.

1.9 I have forgotten my password but still have my seed. Is there any way I can recover my password?

No, you cannot recover your password. However, you can still recover your money: restore your wallet from its seed, and choose a new password.



1.10 Why can I open the wallet without entering my password?

Only the seed and private keys are encrypted, and not the entire wallet file. The private keys are decrypted only briefly, when you need to sign a transaction; for this you need to enter your password. This is done in order to minimize the amount of time during which sensitive information is unencrypted in your computer's memory.

1.11 Does Electrum-Peseta support cold wallets?

Yes, see Cold storage.

1.12 Can I import private keys from other PesetaCoin clients?

In Electrum-Peseta, you can import your private keys. But if they have a seed you should sweep them instead. In case, you want to import private keys and not sweep them and you import them after the seed is generated, you need to back up this wallet because it cannot be recovered by the seed. If you make it from the startup, you manage the wallet from the private keys you've used.

1.13 Can I sweep private keys from other PesetaCoin clients?

Sweeping private keys means to send all the Pesetas to an existing address in your wallet. The private keys you sweep do not become a part of your wallet. Instead, all the Pesetas they control are sent to an address that has been deterministically generated from your wallet seed.

To sweep private keys go to Wallet menu -> Private Keys -> Sweep. Enter the private keys in the appropriate field. Leave the 'Address' field unchanged. That is the destination address and it'll be from your existing electrum wallet.

1.14 Where is my wallet file located?

The default wallet file is in:

Windows:

- Show hidden files
- Go to: Users → "YourUserName" → AppData → Roaming → Local → Electrum-Peseta

On Mac:

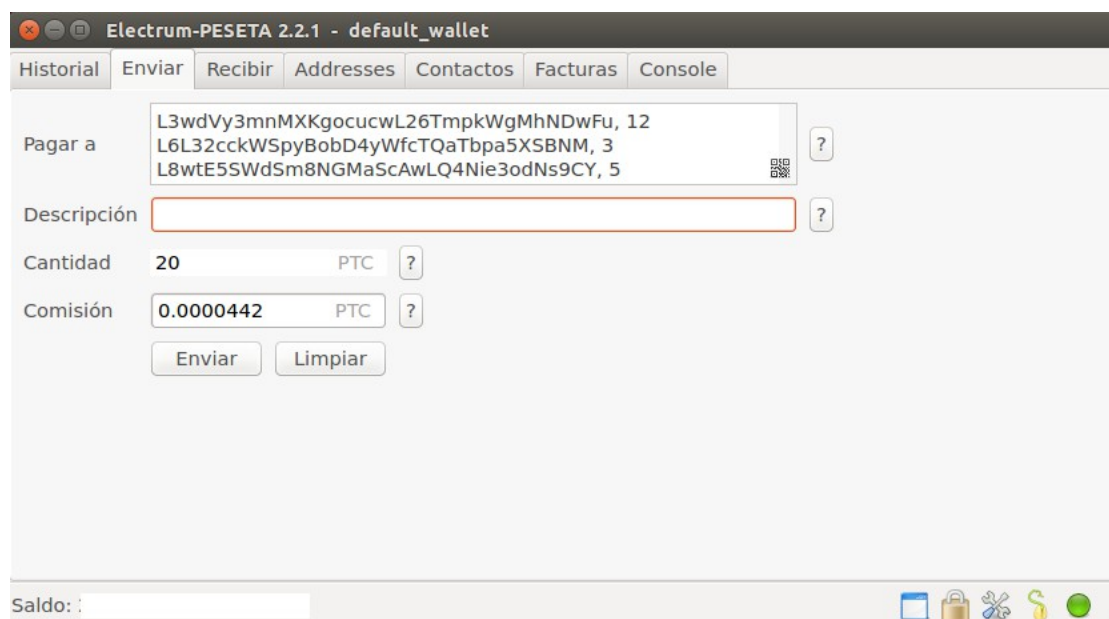
- Open Finder
- Go to folder (shift+cmd+G) and type `~/electrum-peseta`

On Linux:

- Home folder
- Go → Location and type `~/electrum-peseta`

1.15 Can I do bulk payments with Electrum-Peseta?

You can create a transaction with several outputs. In the GUI, type each address and amount on a line separated by a comma.



You can also import a CSV file in the “Pay to” field, by clicking on the folder icon.

1.16 Can I see the value of Pesetas in euros?

No.

1.17 What is the gap limit?

The gap limit is the maximum number of consecutive unused addresses in your deterministic sequence of addresses. Electrum uses it in order to stop looking for addresses. It is set to 20 by default, so the client will get all addresses until 20 unused addresses are found.

1.18 How can I pre-generate new addresses?

Electrum-Peseta will generate new addresses as you use them, until it hits the gap limit.

If you need to pre-generate more addresses, you can do so by typing “wallet.create_new_address()” in the console.

This command will generate one new address. Note that the address will be shown with a red background in the address tab, to indicate that it is beyond the gap limit. The red color will remain until the gap is filled.

WARNING: Addresses beyond the gap limit will not automatically be recovered from seed. To recover them will require either increasing the client's gap limit or generating new addresses until the used addresses are found.

If you wish to generate more than one address, you may use a “for” loop. For example, if you wanted to generate 50 addresses, you could do this:

```
for x in range(0, 50): print wallet.create_new_address()
```

Standard wallet

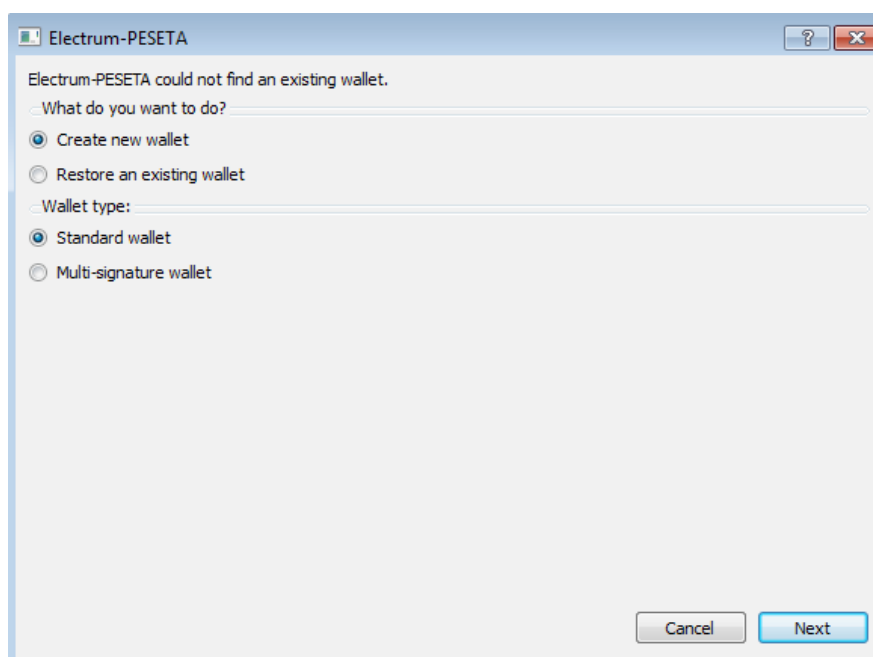
2.1 What is it?

This tutorial will teach you how to create a standard wallet. Unlike the multisignature wallet, this one, it has a unique signature, meaning all funds are controlled by a single person.

2.2 Create new wallet

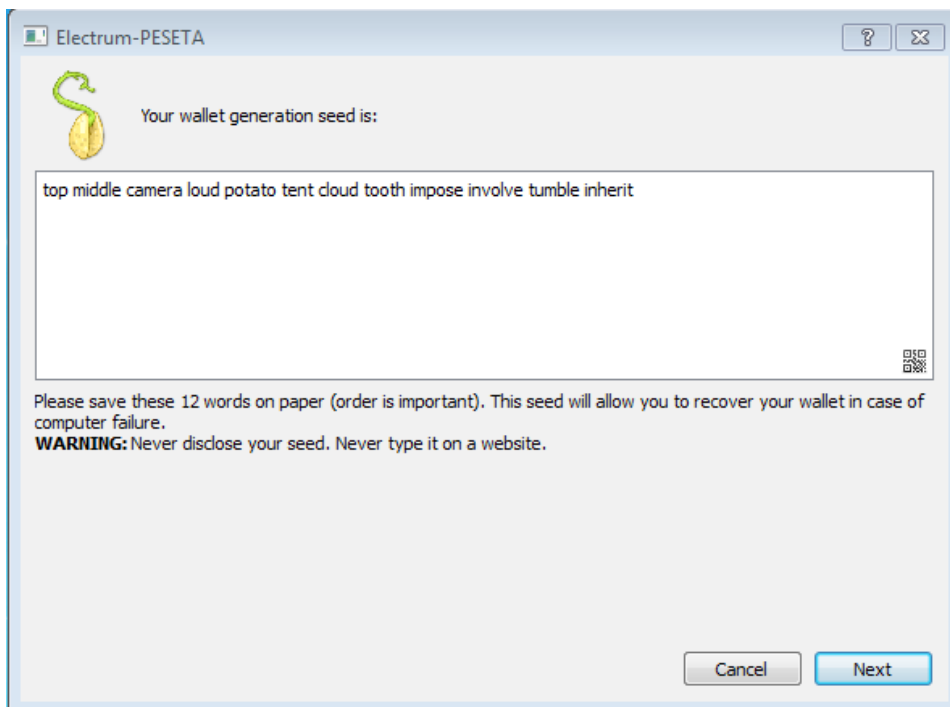
To create a new wallet, you need to install Electrum-Peseta and follow the next steps:

1) Open the wallet and you will see “Create a new wallet” and “Standard wallet” are already selected. Click in “Next”.



The next thing we will see is the generated seed. The seed must be stored very carefully as it is what will allow us to access our funds even if we lose the password or delete the application.

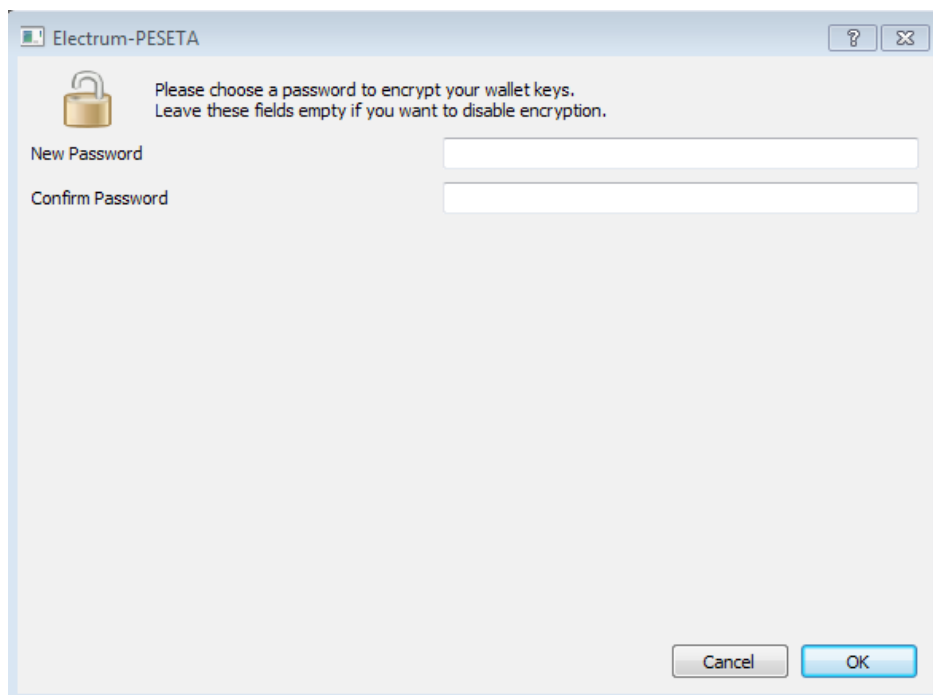
You should not save the seed on the same computer with which you connect to the internet, because if someone accesses the seed and the password, you will have a very serious problem.

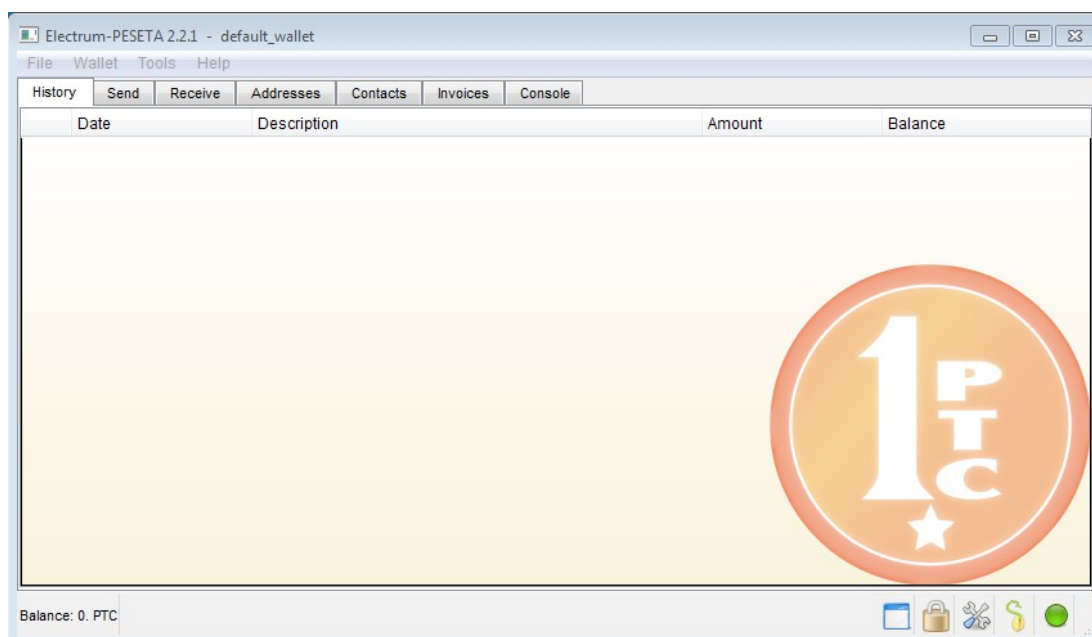


As you can see, in this case, the seed is made up of english words. If Electrum-Peseta detects that your computer language is Spanish, the seed will consist of words in Spanish.

Once you click "Next", you will be prompted to enter the words of the seed. This step is to verify you have written down the seed.

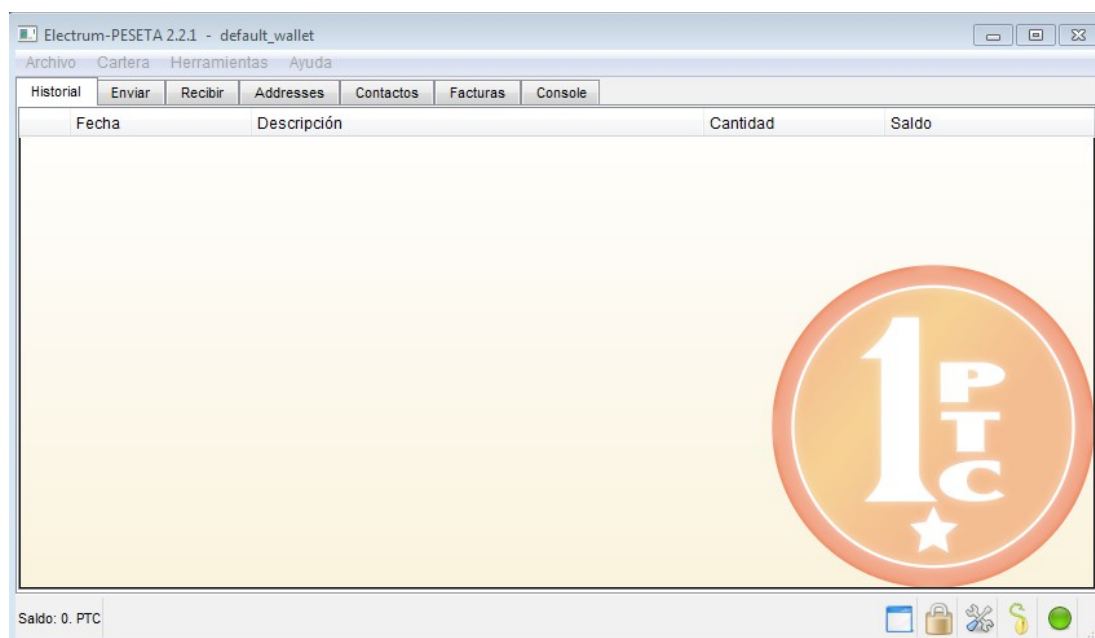
The following is to set the password:





And then the wallet will be available to be used.

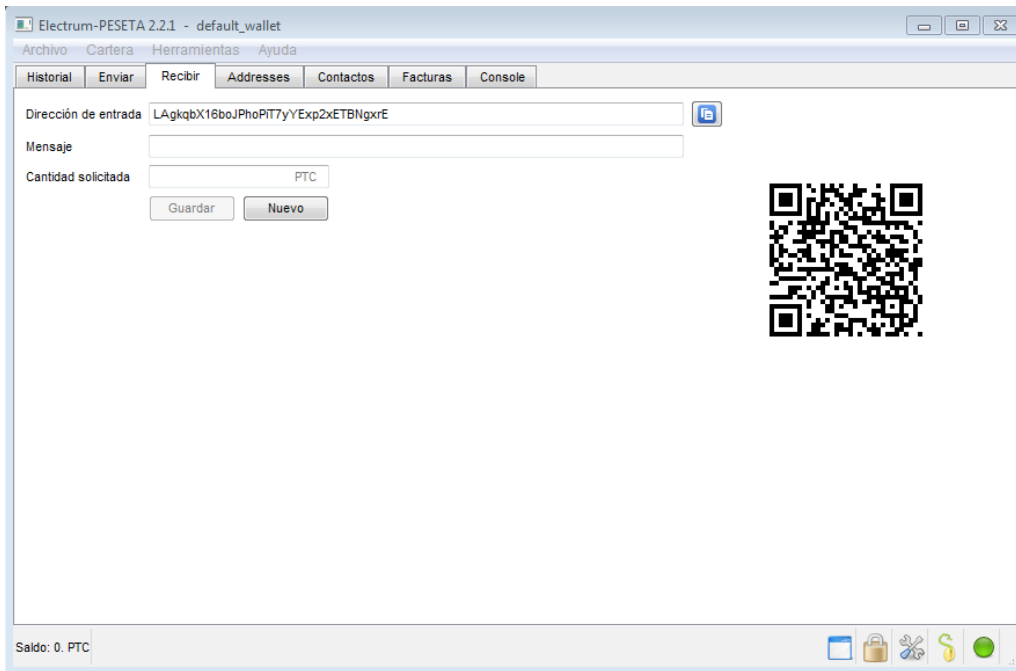
If your wallet is in English, you can change the language by following these steps:
Go to "Tools → Settings → Languages → Spanish"



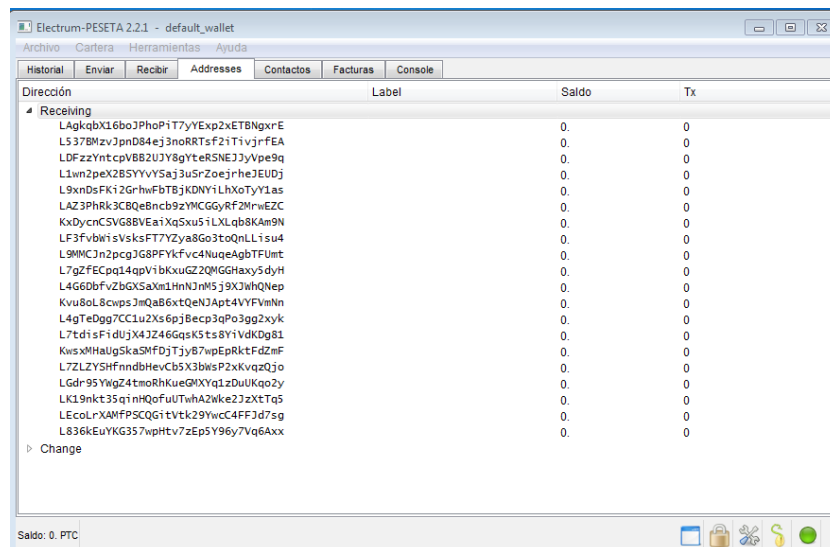
2.3 Receiving Pesetas

This will be a simple tutorial on how to make the first transactions with Electrum-Peseta. Once you have seen the main screen, you see there is a tab in which you put “Send” and another tab that says “Receive”. Since the first thing you will do is receive, we will start there.

As you can see in the image, in the field “Receiving address” (Dirección de entrada) and as you can see, already exist an address available to which Pesetas can ver sent. Copy that address and use it to make the transaction from where you have your coins.



Once you have used that address, Electrum-Peseta will automatically display another address. You do not have to worry about anything since everything is correct. Electrum-Peseta generates 20 addresses to which you can send your coins and as you use them, creates new ones. It does not mean that you can not use the same addresses again but for safety and privacy it is advisable not to reuse the addresses.



2.4 Sending Pesetas

In this case, what we will do is go to the “Send” tab. As you can see in the image, there are 3 fields to fill.

First is “Pay to” and that’s where we will paste the address to which we want to send the coins.

The second field is “Description” and serves to keep a record of the transactions we do and to be able to remember which concept is associated with each one. Transactions can be consulted in the “History” tab.

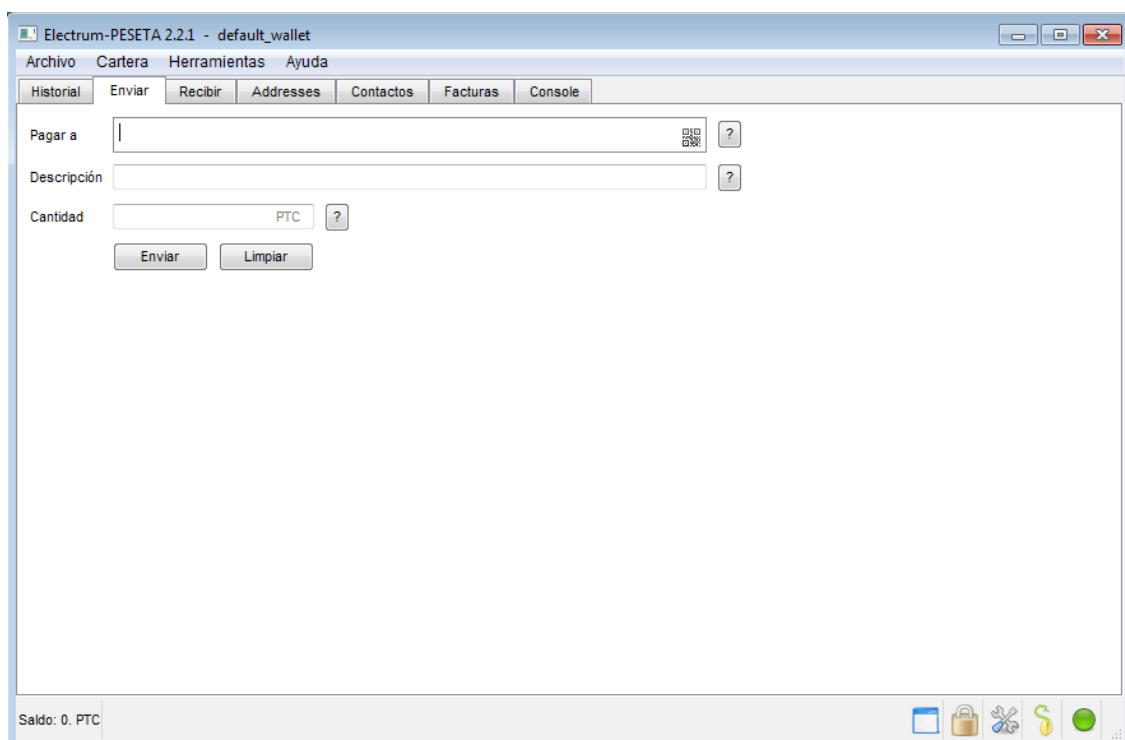
The third field is “Amount” and as you can imagine is where you should write the amount to send. Quantities must be written without separating the thousands and to move to decimals the point is used since it is the American system and not the European one.

For example:

150.34453 PTC

3455.12 PTC

150000.00 PTC



Cold Storage

3.1 What is it?

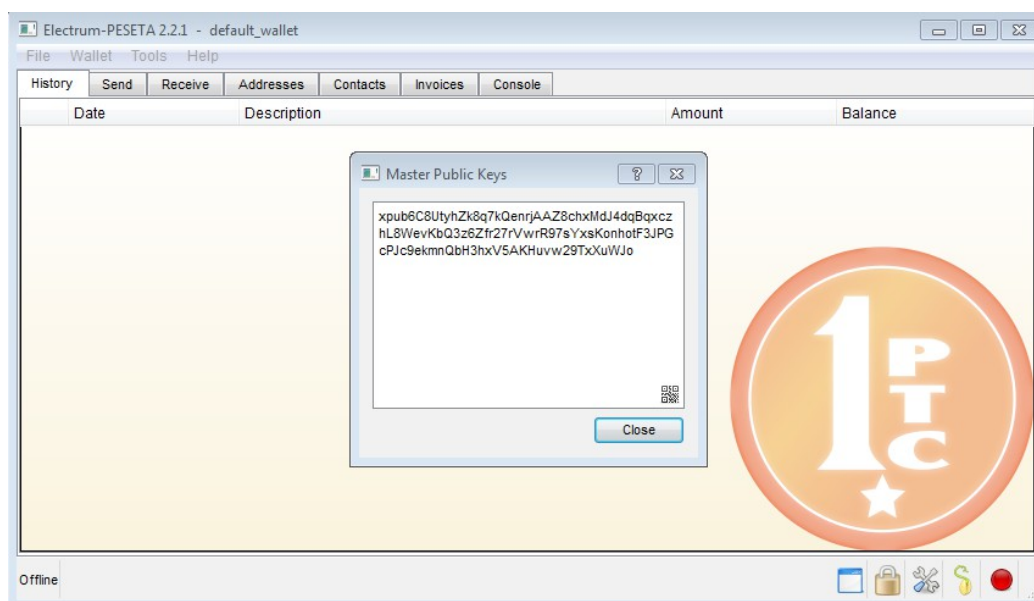
Cold storage consist of having an offline wallet where you keep your Pesetas and another online wallet from where you broadcast the transactions signed in the offline wallet.

Cold storage provides a high level of security since the funds will never have access to the internet. Every transaction needs to be signed by the private key, which in this case is on a computer without internet. The only way to do transactions is to start it on another computer and with an usb move them to the offline wallet and sign them there. That is, it is 100% safe from internet thefts.

3.2 Create new wallet

To store your Pesetas in cold storage you have to follow the following steps:

Install the wallet on a computer without internet access. After creating it, go to Wallet (Cartera) → Master Public Keys.



This is the Master Public Key that will be shown to you in a pop-up window. Transfer that key to your computer online. On your online machine go to "File" → "New/Restore". Enter a name for the wallet and select "Restore a wallet or import keys".

Paste your Master Public Key in the field where you are prompted to enter your seed, private keys, or public keys. Click on "Next". You should now see the transaction history of your wallet offline.



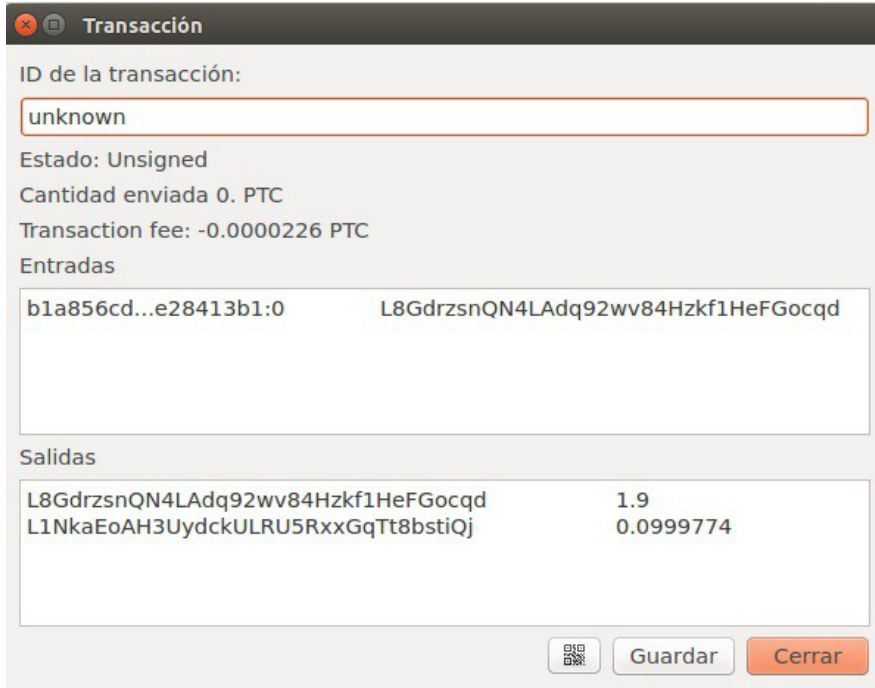
3.3 Create an unsigned transaction

In your online wallet enter the address of the receiver and the amount you want to send.

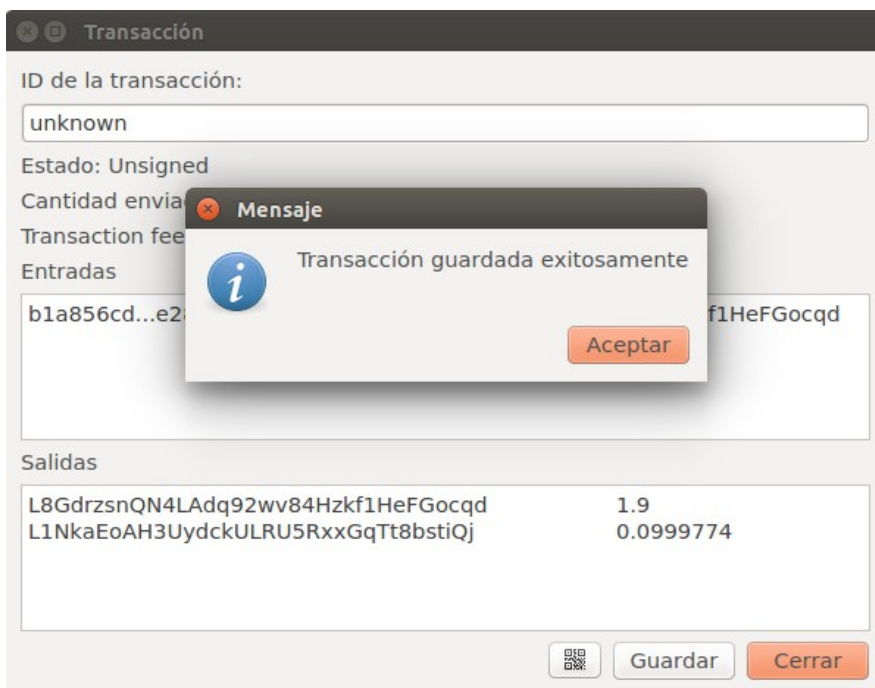
Note: Do not use the “Description” field since it will generate an error. Without filling that field it works smoothly.

After that, you will click in “Create unsigned transaction” and you will be prompted to confirm both the address of the receiver and the fee to pay. Next thing you going to see is the pop-up showing the details of the transaction and the option to save it. You have to click “Save” and move it to the offline machine (e.g. with usb stick).

What you have just done is the first step to complete a transaction. Next steps are sing it and broadcast it to the network.

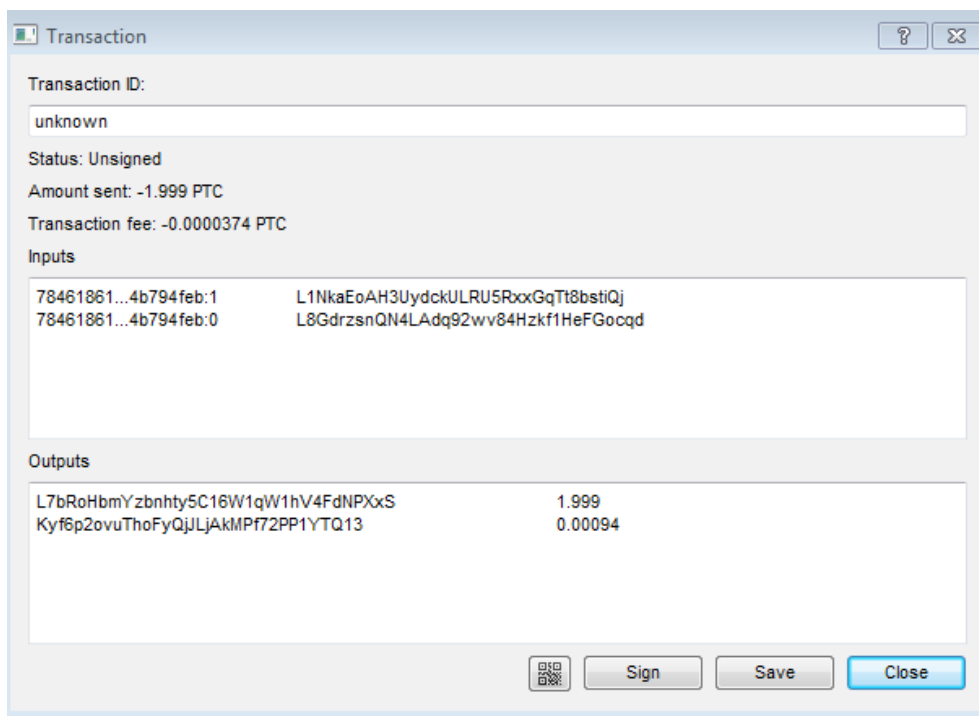
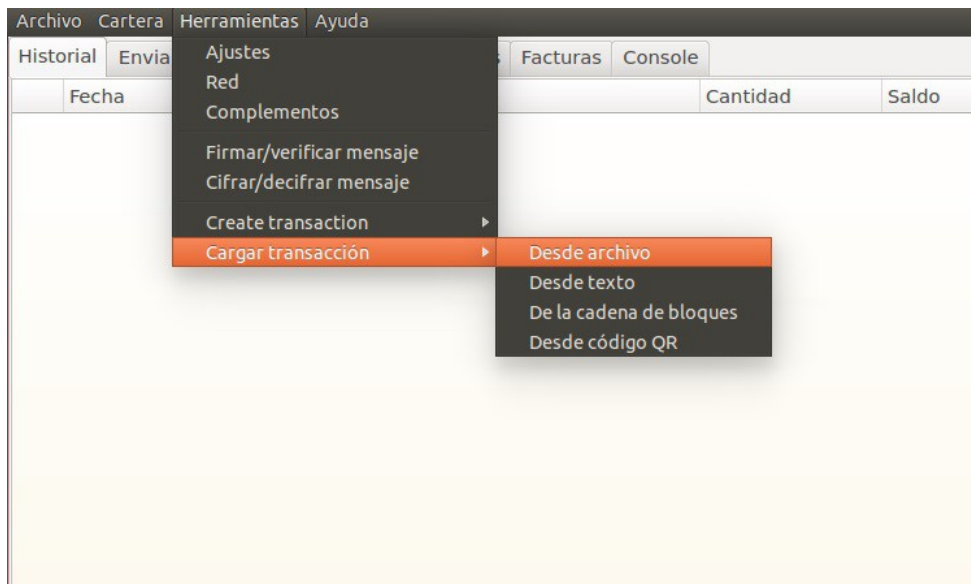


The next thing is to decide where are you going to save the transaction file considering you must move it to the offline machine.

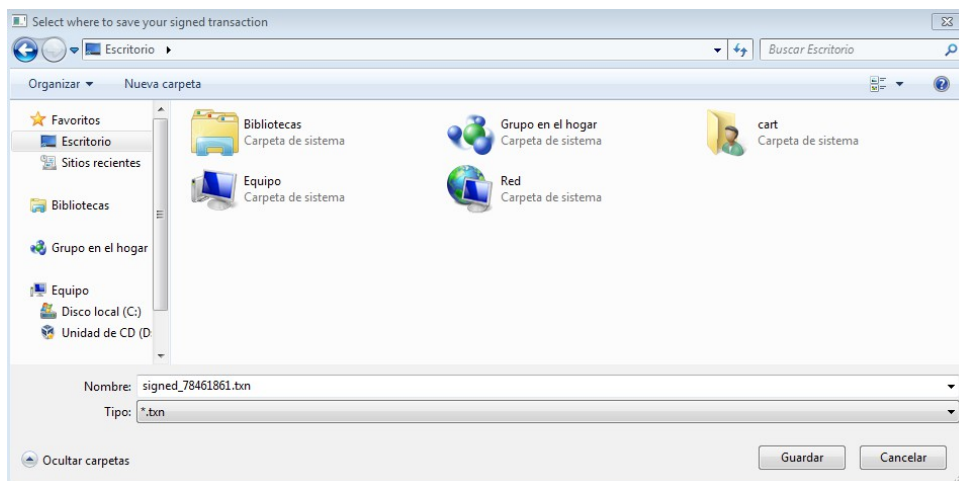


3.4 Get your transaction signed

In the offline wallet, select “Tools → Load transaction → From file”.



After viewing this window, you must click on “Sign”. Afterwards, click on “Save” and taking into account that you must move to the online machine, save it in the appropriate place.



3.5 Broadcast your transaction

In the online wallet click on “Tools → Load transaction → From file”. In the window that will appear, click on “Broadcast”. In this way, the transaction will be completed successfully and will be recognized by the Pesetacoin network.

