

Arizen Wallet v1.1.5

User Guide Manual

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Chapter 1

Arizen Wallet v1.1.5

Arizen is ZEN API lightweight wallet (you don't need to store and synchronize whole blockchain locally) with encrypted and locally stored files, it supports T addresses and transactions. It supports multiple accounts at one computer, it is distributed to Windows, Linux and MacOS platforms (only desktop and x64 variants). Arizen is automatically updated when new update is released, it has many other features and it is actively developed and maintained.

Main features of Arizen Wallet v1.1.5:

- Automatic pruning of old backups (maximum of 25 last backups). See Section 1.4.
- Warning messages in critical steps were added and their meaning is noticed in Section 1.3, 1.5.
- Import and export your private keys. See Section 1.5.
- Import single Private Key via GUI. See Section 1.5.
- Batch withdrawal functionality has been reworked. So if you choose more than 10 selected addresses they are divided into transactions where every transaction has exactly 10 addresses and for every transaction you pay only one fee. See Section 2.4.
- Arizen has been translated into 18 languages. For version v1.1.5 we added another ones. See Section 3.1).
- Your total balance is shown in selected fiat currency with the actual exchange rate. See Sections 2.1 and 3.1.
- Domain fronting support, see section 3.1.
- Paper wallet you can create QR codes (private key and address) which can be exported into PDF file and printed. This created address can be included in your Arizen Wallet or not. See Section 3.3.



- Introducing of Help menu. See Section 4.1.
- Settings for disabling notifications. See Section 4.1.

1.1 Downloading and installing on computer

The latest version of Arizen wallet can be downloaded here. On this web page you should find the last version of Arizen wallet. It is labeled by *Latest release*, see Fig.1.1. Here you can download the installation file for your OS and install it as you can see in Fig. 1.2.

Please note that installation is possible only on x64 desktop platforms.



Figure 1.1: Label which shows the latest version of Arizen wallet.



Figure 1.2: You can download installation file for your computer from GitHub.

1.2 Register and Login

If you successfully installed the Arizen wallet, you can launch the program by clicking on Arizen icon. You will be asked for *Create wallet*, if you have never created a ZEN wallet before, or *Login* (see Fig. 1.3). In both case you will be asked for filling your *Username* having at least four letters (see Fig. 1.4) and *Password* which has to meet requirements shown in Fig. 1.5.

Please note that your account/file is encrypted and stored ONLY in your local system - backup is strongly recommended!



Username	
Password	
Login	
Create Wallet	
	Password

Figure 1.3: Login form of Arizen wallet v1.1.5.

le Edit	¢2	
	Username	Username must meet the following requirements:
	Password	At least four letters
	Password again	
	Select Wallet Browse Create Wallet	
	Login	

Figure 1.4: Register form for Arizen wallet v1.1.5. Username has to have at least four letters.



Edit	4 2	
	Username	
	Password require	east one letter east one capital letter
	Password again	east one number east one special character at least 8 characters
	Select Wallet Browse Create Wallet	
	Login	

Figure 1.5: Password has to fulfill strict requirements.

If you've already created a wallet before you can import it. The wallet can be saved as ***.uawd** (uncrypted Arizen wallet database) or ***.awd** (Arizen wallet database = encrypted) file, see Fig. 1.6, 1.7. You can choose the file by clicking on button *Browse*. If you have an imported wallet in ***.awd** format, you have to fill your *Old Username* and *Old Password*.

Please note that path to user's wallet seems to be odd but it's completely normal behavior. See Fig. 1.8, 1.9.

😍 Arizen: Create Wallet	and the second se	
File Edit	r¢	
	Username Tigger	
	Password	
	Password again	Password must meet the following requirements:
	Select Wallet Browse C:\fakepath\walletuawd	✓ Identical
	Create Wallet	

Figure 1.6: You can choose your wallet in *.uawd.



ile Edit	•	
	5	
	Username	
	Tigger	
	Password	
	······	
	Password again	
	Password must meet the following requirements:	
	Select Wallet Browse	
	C\fakepath\wallet.awd	
	Old username:	
	Old password:	
	Create Wallet	
	Login	

Figure 1.7: You can choose your wallet in ***.awd**.

	Select Wallet		Browse	
		C:\fak	epath\wallet.aw	d
0	ld username:			

Figure 1.8: The path to user's wallet seems to be odd but it's common behavior.

Select Wallet	[Browse
	C:\fakep	path\wallet.uawd

Figure 1.9: The path to user's wallet seems to be odd but it's common behavior.

1.3 Manual back-up

Arizen wallet has a great feature for making back-ups of your wallets. And we significantly recommend you to use it. If you're loged in, you can export or import your wallet in *.uawd or *.awd. This process causes that you manually create a back-up file of your wallet or you import the back-up wallet into Arizen. Click on icon *File* and choose option *Back-up* or *Import*, see in Fig. 1.10.

If you choose option *Backup ENCRYPTED wallet* you'll see an **important information** on your screen. It informs you that your private keys will be encrypted and in order to access your private keys you need to know the corresponding username and password otherwise you cannot control your ZENs. So, please be aware and confirm that you understand this fact by clicking on *I understand*.

If you choose option *Backup UNENCRYPTED wallet* you'll see an **important information** on your screen. It informs you that your wallet will be export in plain



Backup ENCRYPTED wallet	Vithdraw	Arizen 📢		Refresh Logout About Ex
Backup UNENCRYPTED wallet	Deposit	Withdraw	Transa	action History
Import ENCRYPTED Arizen wallet Import UNENCRYPTED Arizen wallet	Show zero balance	Get a new address	Dec 18, 2017, 7:39 PM	+0.0000000 ZEN
Export private keys Import private keys	0.7 gPyh4UnfgZcu	70000000 ZEN 1 1	Dec 18, 2017, 5:07 PM	-0.00000000 ZEN
Exit		24050000 ZEN 📘 🕇	Oct 28, 2017, 1:06 PM	+0.46000000 ZEN
naKWHmddLu3HuADxSNYUU		•	Oct 22, 2017, 6:37 PM	+0.20000000 ZEN
Cumak nSQmUGvZ2y2EpeHsLXWp2	0.06000000 ZEN	Oct 21, 2017, 8:03 PM	-0.10000000 ZEN	

Figure 1.10: Click on *File* to manually create a back-up file of the wallet or import your back-up file into Arizen.

text. It means that everyone who has a file with this text can operate with your ZENs. So please be aware and confirm that you understand this fact by clicking on *I understand*.

ottings ruper viuliet bi	atch Withdraw Import	Flivale Key	Arizen 😍	Reliesh	Logout	ADOUL	
Overview	Deposit	Withdraw	Transac	ction His	story		
List Of Addresses	Show zero balance	es Get a new address	Jan 20, 2018, 9:20 PM	+0.00	00000	00 ZI	Ē
MyLittleTigger znaKWHmddLu3HuADxSN		90030000 ZEN 11	Jan 20, 2018, 7:13 PM	+0.00	00000	00 ZI	EI
CrazyUnicorn	Important Information			0.00	0100	00 ZI	E
znf6U4zZku8g6jp4tHn Cumak	You are going to export an ENCRYPTED wallet and you means that in order to access your private keys you nee username and password. In case you don't know them	eed to know the corresponding		00100		_	
znSQmUGvZ2y2EpeHsLX	controled by these p	private keys. By pressing 'I underst	0.00	00000	00 ZI	Ξ	
		s. For further information please refer to the help menu of Arizen.		0.00	00000	00 ZI	E
	I understar	nd		0.00	00000	00 ZI	E
			Cancel	0.46	60000	00 ZI	E
			Oct 22, 2017, 6:37 PM	-0.20	00000	00 ZI	E
			Oct 21, 2017, 8:03 PM	+0.10	00000	00 ZI	E
			Oct 14, 2017, 6:39 PM	+1.00	00500	00 ZI	E

Figure 1.11: A warning which appears if you want to make *Back-up encrypted wallet*. You have to know corresponding username and password to control your ZENs.



Arizen ile Edit Help	C. No. of Concession, Name	and the second se		×
Settings Paper Wallet Ba	tch Withdraw Import	Private Key	Arizen 📢	Refresh Logout About Ex
Overview Deposit Withdraw Tra			Transa	ction History
List Of Addresses	Show zero balance	es Get a new address	Jan 20, 2018, 9:20 PM	+0.00000000 ZEN
MyLittleTigger	1 Important Information	ADDRESS TON DR	×	-0.0000000 ZEN
znaKWHmddLu3HuADxSN CrazyUnicorn	means that anyone	port an UNENCRYPTED wallet (ie y with this file can control your ZENs	Store this file in a safe place. By	-0.00010000 ZEN
znf6U4zZku8g6jp4tHr	pressing 'I understar refer to the help me		I this. For further information please	-0.00010000 ZEN
Cumak znSQmUGvZ2y2EpeHsLX	🔶 I understa	nd		-0.0000000 ZEN
2115QilloGV22y2Eperise/			Cancel	-0.00000000 ZEN
l			Dec 18, 2017, 5:07 PM	-0.00000000 ZEN
			Oct 28, 2017, 1:06 PM	+0.46000000 ZEN
			Oct 22, 2017, 6:37 PM	-0.20000000 ZEN
			Oct 21, 2017, 8:03 PM	+0.1000000 ZEN
			Oct 14, 2017, 6:39 PM	+1.00050000 ZEN
otal Balance: 1.00030000 Z	EN / 39.67 USD / Last	update: 7:28:06 PM 🤒		

Figure 1.12: A warning which appears if you want to make *Back-up unencrypted wallet*. Your wallet is exported as file with plain text so you should store this file on a safe place.

1.4 Automatic prunning of old back-ups

Arizen offers a new cool feature which is Automatic prunning of old back-ups. If you use Arizen wallet the back-ups are stored automatically and there are previous 25 back-ups, see Fig. 1.13.

You can find your back-ups in these locations:

- Linux: ~/.arizen/wallets/backups
- Windows: C:\Users\username\AppData\Roaming\Arizen\wallets\backups
- MacOS: /Users/username/Library/Application Support/Arizen/backups

Tigger-20180116220548.awd	16.1.2018 22:05	AWD File	53 KB
Tigger-20180117215708.awd	17.1.2018 21:57	AWD File	53 KB
Tigger-20180118195949.awd	18.1.2018 19:59	AWD File	53 KB
Tigger-20180120115512.awd	20.1.2018 11:55	AWD File	53 KB
Tigger-20180120115554.awd	20.1.2018 11:55	AWD File	53 KB
Tigger-20180120144304.awd	20.1.2018 14:43	AWD File	53 KB
Tigger-20180120144347.awd	20.1.2018 14:43	AWD File	53 KB
Tigger-20180120144809.awd	20.1.2018 14:48	AWD File	53 KB
Tigger-20180120145224.awd	20.1.2018 14:52	AWD File	53 KB
Tigger-20180120211035.awd	20.1.2018 21:10	AWD File	53 KB
Tigger-20180121115431.awd	21.1.2018 11:54	AWD File	53 KB
Tigger-20180303124620.awd	3.3.2018 12:46	AWD File	53 KB
Tigger-20180303124959.awd	3.3.2018 12:50	AWD File	53 KB

Figure 1.13: Example of last 25 automatic back-ups.



1.5 Private keys

Cool feature which was introduced in a previous version of Arizen wallet was an option to export or import **Private keys**. In Arizen wallet v1.1.5 you have two possiblities:

• Export or Import private keys – You can use this option if you want to export or import more than one private key. If you want to import/export, click on *File* in the toolbar. There are options *Export private keys* and *Import private keys*, as you can see in Fig. 1.14. The Private keys are exported in *.txt format and can be imported in the same format.

Backup ENCRYPTED wallet	Vithdraw Import	Private Key	Arizen 📢	Refresh Logout	About E
Backup UNENCRYPTED wallet	Deposit	Withdraw	Transa	ction History	
Import UNENCRYPTED Arizen wallet			Jan 20, 2018, 9:20 PM	+0.000000	00 ZEN
Export private keys Import private keys	ZEN		Jan 20, 2018, 7:13 PM	+0.000000	00 ZEN
Exit			Jan 20, 2018, 12:05 PM	-0.000100	00 ZEN
Amount 0.0000000				-0.000100	00 ZEN
Transaction fee 0.00010000 The from address is empty	J		Jan 16, 2018, 10:08 PM	+0.000000	00 ZEN
	Withdraw		Dec 18, 2017, 7:39 PM	+0.000000	00 ZEN
			Dec 18, 2017, 5:07 PM	-0.000000	00 ZEN
			Oct 28, 2017, 1:06 PM	+0.460000	00 ZEN
			Oct 22, 2017, 6:37 PM	-0.200000	00 ZEN
			Oct 21, 2017, 8:03 PM	+0.100000	00 ZEN
			Oct 14, 2017, 6:39 PM	+1.000500	00 ZEN

Figure 1.14: If you want to export or import more than one private key you can click on *File* and then choose *Export private keys* or *Import private keys*.

Please note that Private keys can be exported as a string in *WIF* format (given in Swing Wallet) and imported as a string in *WIF* or *HEX* formats, as you can see in Fig. 1.15. (Only one Private key per line is allowed.)

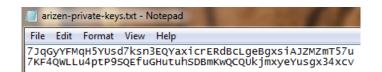


Figure 1.15: An example of two private keys for two addresses.

• Import Single Private Key – this option is useful if you want to import only one single private key. Click on option *Import Private Key* on upper toolbar, see Fig. 1.16. Then a warning appears, see Fig. 1.17. This warning



is very important. See box below. Click on *I understand* in the warning and confirm that you understand what will happen. Then you can choose a name and insert the private key, see Fig. 1.18.

Please note that if you chose option *Import Private Key* a warning appears there, see Fig. 1.17. It informs you that your previous back-ups don't include the newly imported private key. After importing of new private key it is significantly recommended to make a new back-up file!

	Batch Withdraw Import P	rivate Key		Arizen 📢	Refresh	Logout	ADOUT	t
Overview	Deposit	Withdra	w	Transa	action His	tory		
List Of Addresses	Show zero balances	s Get a new a	address	Jan 20, 2018, 9:20 PM	+0.00	0000	00 ZI	E
MyLittleTigger znaKWHmddLu3HuADx	0.9 SNYUUNPFZ6fk4dv3Y5	0030000 ZEN	1 1	Jan 20, 2018, 7:13 PM	+0.00	0000	00 ZI	E
CrazyUnicorn	0.0	5000000 ZEN	11	Jan 20, 2018, 12:05 PM	-0.00	0100	00 ZI	E
5 51	HncHuhgPyh4UnfqZcu			Jan 17, 2018, 9:05 PM	-0.00	0100	00 ZI	E
Cumak znSQmUGvZ2y2EpeHs	0.0 LXWp2BkMF6XUSDX3RG	5000000 ZEN	L 1	Jan 16, 2018, 10:08 PM	+0.00	0000	00 ZI	E
				Dec 18, 2017, 7:39 PM	+0.00	0000	00 ZI	E
				Dec 18, 2017, 5:07 PM	-0.00	0000	00 ZI	E
				Oct 28, 2017, 1:06 PM	+0.46	0000	00 ZI	E
				Oct 22, 2017, 6:37 PM	-0.20	0000	00 ZI	E
				Oct 21, 2017, 8:03 PM	+0.10	0000	00 ZI	E
				Oct 14, 2017, 6:39 PM	+1.00	0500	00 ZI	E

Figure 1.16: New option used for importing **one** private key directly from toolbar.



	draw able balance 0.00000000 ZEN m unt 0.00000 action fee 0.00001 A Important Information A Important Information	Private Key	Arizen 📢	Refresh Logout	About E
Overview	Deposit	Withdraw	Tr	ansaction History	
Withdraw			Jan 20, 2018, 9:20	РМ +0.00000)00 ZEN
	00000 ZEN		Jan 20, 2018, 7:13		
From	Paper Wallet Batch Withdraw Import Private Key verview Deposit With w balance 0.000000000 ZEN 0.0000 0.0000 Anew address and a private key will address is empty Anew address and a private key will address is empty		Jan 20, 2018, 7.13		
То			Amer 20, 2010, 12 I	0.000100)00 ZEI
	A new address and)00 ZEI
The from address is emp	Arizen to make new understand' you de	backup file and replace y clare that you understand	our existing Arizen wallet backup. By	pressing I)00 ZEI
	· ·			0.00000)00 ZEI
	➔ I understa	nd		0.00000)00 ZEI
				Cancel 0.460000)00 ZEI
			Oct 22, 2017, 6:37	РМ -0.20000	000 ZEI
	unt 0.0000 saction fee 0.0001 from address is empty A new address and a private key will be im newly imported address or the correspond Arizen to make new backup file and replac understand you defare that you undestu- help menu of Arizen.		Oct 21, 2017, 8:03	РМ +0.10000)00 ZEI
			Oct 14, 2017, 6:39	РМ +1.000500)00 ZEI

Figure 1.17: Warning which you can see after you click on *Import Private Key*. It informs you that the previous back-up file don't include the newly imported private key. If you click on *I understand* you confirm that you get this fact. We significantly recommend you to make a new back-up file after that.

Settings Paper Wall	et Batch Withdraw	Import Private Key	Arizen 😍		Refresh	Logout	About	E
Overview	Deposit	Withdra	w ті	ransac	tion His	story		
Withdraw			Jan 20, 2018, 9:20	PM	+0.00		00 Z	EN
Available balance 0 From	.00000000 ZEN		Jan 20, 2018, 7:13	PM	+0.00		00 Z	E
То			Jan 20, 2018, 12:0	5 PM	-0.00	00100	00 Z	E١
	.00000000		Jan 17, 2018, 9:05	PM	-0.00	00100	00 Z	EI
The from address is		nport Single Priv	ata Kay	8 PM	+0.00	0000	00 Z	E
	Withdr	lame (optional)	ale Key	PM	+0.00		00 Z	E
		Private Key		' PM	-0.00	00000	00 Z	EI
			Import	PM	+0.46		00 Z	Ē
			Oct 22, 2017, 6:37	PM	-0.20	00000	00 Z	EI
			Oct 21, 2017, 8:03	PM	+0.10		00 Z	E
			Oct 14, 2017, 6:39	PM	+1.00	00500	00 Z	E

Figure 1.18: If you click on *Import Single Private Key* you can choose the Name and insert the Private Key.

Chapter 2

Transactions

Arizen wallet v1.1.5 offers the opportunity to store a list of your addresses, deposit on them or withdraw or go over your transaction history.

2.1 Overview

In Arizen wallet you can have a list of your non-zero addresses as you can see in Fig. 2.1. You can see your zero balances, too. Just click on *Show zero balances* and then see your List of Addresses as it's shown in Fig. 2.2. For creating a new address click on *Get a new address*. You will choose a name and the address will be automatically generated (see Fig. 2.3) (A newly created address will be shown automatically because *Show zero balances* check-box is checked by default.).

Every address shows you the balance of ZENs (shown in green color). Next to the balance you can see a green and a red arrows. If you click on the green arrow you choose a quick option *Deposit to this address*. If you click on the red arrow you choose a quick option *Withdraw from this address*. How to operate with option Deposit see Section 2.2 and for option Withdraw see Section 2.3.



e Edit ettings Paper Wallet	Batch Withdraw	Arizen 📢		Refresh Logout About Ex
Overview	Deposit	Withdraw	Transa	action History
List Of Addresses	Show zero balanc	es Get a new address	Dec 18, 2017, 7:39 PM	+0.00000000 ZEN
CrazyUnicom	0. tHncHuhqPyh4UnfqZcu	7000000 ZEN 1 1	Dec 18, 2017, 5:07 PM	-0.0000000 ZEN
MyLittleTigger	5,5,1	24050000 ZEN	Oct 28, 2017, 1:06 PM	+0.46000000 ZEN
- / 00	xSNYUUNPFZ6fk4dy3Y5	24050000 ZEN 1	Oct 22, 2017, 6:37 PM	+0.20000000 ZEN
Cumak	0. sLXWp2BkMF6XUSDX3RG	.06000000 ZEN 11	Oct 21, 2017, 8:03 PM	-0.10000000 ZEN
			Oct 14, 2017, 6:39 PM	+1.00050000 ZEM
otal Balance: 1.000500	00 ZEN / 29 24 USD / Loot			

Figure 2.1: Overview with the list of nonzero addresses.

Settings Paper Wallet	Batch Withdraw	Arizen 📢		Refresh Logout About E
Overview	Deposit	Withdraw	Transa	action History
List Of Addresses	Show zero balance	Get a new address	Dec 18, 2017, 7:39 PM	+0.00000000 ZEM
CrazyUnicorn znf6U4zZku8g6jp4tH		0000000 ZEN	Dec 18, 2017, 5:07 PM	-0.00000000 ZEM
MyLittleTigger	3.3	4050000 ZEN 📘 🚹	Oct 28, 2017, 1:06 PM	+0.46000000 ZEM
znaKWHmddLu3HuADxS			Oct 22, 2017, 6:37 PM	+0.20000000 ZEM
Cumak znSQmUGvZ2y2EpeHsL		6000000 ZEN 1	Oct 21, 2017, 8:03 PM	-0.10000000 ZEM
O Unnamed address znarQXo3JxLUwsZVwp		0000000 ZEN 1	Oct 14, 2017, 6:39 PM	+1.00050000 ZEN
O Unnamed address znasJHiLHwr5Nu8U1a		0000000 ZEN		
O Unnamed address znb11ZQCViobjFpVYQ		0000000 ZEN		
Unnamed address znbb8agkGuUQMXCFRm		0000000 ZEN 11		
Unnamed address znbkZ6DXPbvhoCJ1rY		0000000 ZEN 11		
Unnamed address znbohqboJYq4CnzeHh		0000000 ZEN 11		

Figure 2.2: Overview with the list of nonzero and zero addresses.



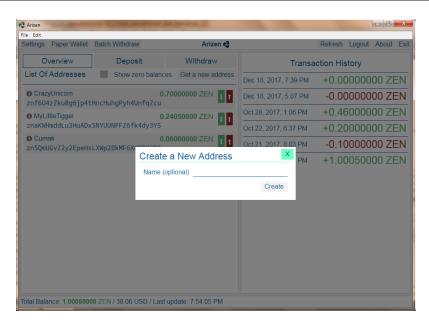


Figure 2.3: You can create a new address and use optional name for it.

Arizen Wallet v1.1.5 offers a new cool feature. In the footer there's a Balance bar. There you can check you Total Balance of ZENs and its equivalent in chosen fiat currency. Also it shows time for last update of the exchange rate (see Fig. 2.4). Look on Section 3.1 to learn how to choose you fiat currency in Balance bar.

le Edit	D. L. L. MERL L				
Settings Paper Wallet	Batch Withdraw	Arizen 🤹		Refresh Logout	About E
Overview	Deposit	Withdraw	Transa	action History	
List Of Addresses	Show zero balance	Get a new address	Dec 18, 2017, 7:39 PM	+0.00000	000 ZEM
CrazyUnicorn	0. HncHuhgPyh4UnfgZcu	.70000000 ZEN 11	Dec 18, 2017, 5:07 PM	-0.00000	000 ZEM
MyLittleTigger	5,5,1,1	.24050000 ZEN 🚦 🕇	Oct 28, 2017, 1:06 PM	+0.46000	000 ZEM
znaKWHmddLu3HuADx	SNYUUNPFZ6fk4dy3Y5		Oct 22, 2017, 6:37 PM	+0.20000	000 ZEM
Cumak znSQmUGvZ2y2EpeHs	0. LXWp2BkMF6XUSDX3RG	.06000000 ZEN	Oct 21, 2017, 8:03 PM	-0.10000	000 ZEM
			Oct 14, 2017, 6:39 PM	+1.000500	000 ZEM

Figure 2.4: You can see your Total Balance, its equivalent in your chosen fiat currency and time for last update of exchange rate.



2.2 Deposit

If you want to receive ZENs from somebody you can use *Deposit*, see Fig. 2.5. It is the easiest way how to do it. Select your address from a list of you non-zero or zero addresses (Fig. 2.6) and set the amount. Then you can generate a QR code. Then you or another persons can use the QR code for quick read the transaction information (destination address and the amount) as it's shown in Fig. 2.7.

New feature is to export QR code in *.pdf format. You can use it in the future or send it to your friend. Just click on *Save QR code* under the symbol of QR code, see Fig. 2.7.

Settings Paper Wallet	Batch Withdraw	Arizen 📢		Refresh Logout About Ex
Overview	Deposit	Withdraw	Transa	ction History
Deposit			Jan 16, 2018, 10:08 PM	+0.00000000 ZEN
Click the green b	utton next to the desired a	ddress for deposit.	Dec 18, 2017, 7:39 PM	+0.00000000 ZEN
Amount 0.0000000			Dec 18, 2017, 5:07 PM	-0.00000000 ZEN
			Oct 28, 2017, 1:06 PM	+0.46000000 ZEM
	Save QR code		Oct 22, 2017, 6:37 PM	+0.20000000 ZEM
			Oct 21, 2017, 8:03 PM	-0.10000000 ZEM
			Oct 14, 2017, 6:39 PM	+1.00050000 ZEM

Figure 2.5: In option *Deposit* you can choose the address and amount.

Settings	Paper Wallet	Batch Withdraw	Arizen 😍	Refresh	Logout About E
0	verview	List Of Add	resses	X	story
Deposi	t	Crazyl Inicorn	znf6U4zZku8q6jp4tHncHuhqPyh4UnfqZcu	0.6000000 ZEN	13Z 000000
CI	ick the areen l		znaKWHmddLu3HuADxSNYUUNPFZ6fk4dy3Y5		0000000 ZEI
	lek ale green i	Cumak	znSQmUGvZ2y2EpeHsLXWp2BkMF6XUSDX3RG		13Z 000000
То			znarQXo3JxLUwsZVwpzy5a5YuQV3HFFQZ3H	0.0000000 ZEN	
Amount	0.00000000		znasJHiLHwr5Nu8U1aSCVwYcf6jw7qEEosH		13Z 000000
			znb11ZQCViobjFpVYQ8mnP466FkcD4p1zWw		13Z 000000
			znbb8agkGuUQMXCFRmpq9a4N6uEBtbTee9v	0.0000000 ZEN	
			znbkZ6DXPbvhoCJ1rY22tuUqBSWfbD4NVGV	0.00000000 ZEN	0000000 ZEI
			znbohqboJYq4CnzeHhShn78hVwQ95HaH5QM	0.0000000 ZEN	132 000000
			znbPuX4fbKJjyVioBuCZSs7mNTR61cVPaUv	0.00000000 ZEN	
			<pre>zncdiMsPyzc4Je3QCE82sYt5fkme45RgPBw</pre>	0.0000000 ZEN	0050000 ZEI
			<pre>zncu2tnVf7u4wr39nYXWB22FRuUCgPQ1psN</pre>	0.00000000 ZEN	
			${\tt znd5WbhqHfEoTsmLa5R1uoSBnbD9qo2cVby}$		
			zndTNq1cQ54khH4sXGDDh19EFT9i7ScMCj7		
			${\tt znfHgfJr2yW1XpYSqnGCzhr8bbSmDppwf3N}$		
			<pre>zngDfjyBMqHKMvAVeiAzwuqrn4oLTsxnX2S</pre>		
			<pre>zngTm5Pza68o5HRwatXNM8FyMu5KNS7Ufmk</pre>		
			znh7LjGBHupcWww6et8afsjEa6a179kSEhu		
			znhHKPQYKuGT9WL3tXPvcdAMV7wLHMNQxwi		
			znigSDCuDz6zcBPiukdc24oPRJJ4E8rwVJB		
			znitKsXbQTwESXFizwoJmTGHEDaXoGXuRUs		
			zniudz1nKrQkKxUf3fEvf4Z6UZ5617x2JzX		

Figure 2.6: List of non-zero and zero addresses which you can choose for depositing.



bettings i aper waller	Batch Withdraw	Arizen 😍		Refresh	Logout	About	E
Overview	Deposit	Withdraw	Transa	ction His	story		
Deposit			- Jan 16, 2018, 10:08 PM	+0.00	00000	00 ZI	EN
	button next to the desired a u8q6jp4tHncHuhqPyh4U		Dec 18, 2017, 7:39 PM		00000		
Amount 0.00000000	0.07	Jinqzeu	Dec 18, 2017, 5:07 PM	-0.00	00000	00 ZI	E١
The amount is not pos	sitive		Oct 28, 2017, 1:06 PM	+0.46	60000	00 ZI	EΝ
6	IARCHPORN		Oct 22, 2017, 6:37 PM	+0.20	00000	00 ZI	E١
4			Oct 21, 2017, 8:03 PM	-0.10	00000	00 ZI	E١
NGC OR HE			Oct 14, 2017, 6:39 PM	+1.00	0500	00 ZI	13
	Save QR code						

Figure 2.7: You can generate QR code for deposit and this QR code can be saved in *.pdf format.

2.3 Withdraw

You can send your ZENs via operation *Withdraw*, see Fig. 2.8. You can select one of your addresses as source address in *From* section. There is a list of addresses. Then fill the destination address as *To* and amount of ZENs and then use button *Withdraw*. Before sending the transaction you're asked for confirmation, see Fig. 2.9.

If your transaction is successful, you can see green informative label with transaction ID (see Fig. 2.10) and you can click to the link and open your transaction in your internet browser in the blockchain explorer as it's shown in Fig. 2.11. And you can also see transaction status update bar after confirmation of successful transaction, as you can see in Fig. 2.12. If your transaction isn't successful, you can see red error label with a reason of failure.

Every transaction, you did, is written in *Transaction History*, see Fig. 2.13. When you send ZENs from one of your address to another of your address then the balance of your Arizen wallet remains unchanged, that's why this transactions are +0.00000000 ZEN.



Settings Paper Wa	allet Batch Withdraw Impor	t Private Key	Arizen 📢	Refresh Logout	About E
Overview	Deposit	Withdraw	Transa	action History	
Withdraw			Mar 3, 2018, 11:26 PM	-0.0001000	0 ZEN
Available balance From	0.00000000 ZEN		Mar 3, 2018, 11:03 PM	-0.0001000	
То			Mar 3, 2018, 10:59 PM	-0.0000000	0 ZEN
	0.0000000			+0.0000000	0 ZEN
Transaction fee The from address i	0.00010000		Jan 20, 2018, 9:20 PM	+0.0000000	0 ZEN
	Withdraw		Jan 20, 2018, 7:13 PM	+0.0000000	0 ZEN
			Jan 20, 2018, 12:05 PM	-0.0001000	0 ZEN
			Jan 17, 2018, 9:05 PM	-0.0001000	0 ZEN
			Jan 16, 2018, 10:08 PM	+0.0000000	0 ZEN
			Dec 18, 2017, 7:39 PM	+0.0000000	0 ZEN
			Dec 18, 2017, 5:07 PM	-0.0000000	0 ZEN
			Oct 28, 2017, 1:06 PM	+0.4600000	0 ZEN
			Oct 22, 2017, 6:37 PM	-0.2000000	0 ZEN
			Oct 21, 2017, 8:03 PM	-0 1000000	0 7FN

Figure 2.8: Option *Withdraw* allows you to send ZEN from your address to another one.

			Private Key	Arizen 📢		esh Logout		
Overview	Dep	posit	Withdraw	Tra	ansaction	History		
Withdraw				UNCONFIRMED	-C	.000000	00 ZE	ΞN
	1.00022000 ZEN			Mar 3, 2018, 10:43	РМ +0	.000000	00 76	= N
From	Withdra has been success set100736124b3348a35039a51107783cbe6bfdff91cc6e0						-	
To Amount		Arizen Contraction	BKMF6XUSDX3RG	Jan 20, 2018, 9:20 I		.000000		
Transaction fee			lan 20_2018_7:13	РМ +0	.000000	00 ZE	ΞN	
				РМ -С	.000100	00 ZE	ΞN	
	With	· ·	eally want to send this transa	O5 I	РМ -С	.000100	00 ZE	ΞN
				OK Cancel	PM +0	.000000	00 ZE	ΞN
		6985110//e3cbet	010119100660	-		000000	00 70	_
Show Transaction	i in Explorer			Dec 18, 2017, 7:39	РМ +(.000000		EN
Show Transaction	<u>i in Explorer</u>			Dec 18, 2017, 7:39 Dec 18, 2017, 5:07		.000000		-
Show Transaction	<u>i în Expiorer</u>				рм -С		00 ZE	ΞN
Show Transaction	<u>i în Explorer</u>			Dec 18, 2017, 5:07	рм -(рм +(.000000	00 ZE 00 ZE	
<u>Show Transaction</u>	<u>i în Explorer</u>			Dec 18, 2017, 5:07 Oct 28, 2017, 1:06 F	РМ -С РМ +С	.000000	00 ZE 00 ZE 00 ZE	

Figure 2.9: You are asked for being sure about sending before the transaction is realized.



Joungs Tuper V	Vallet Batch Withdraw Im	pon Private Key	Arizen 🖏	Refresh Logout	About Ex		
Overview	Deposit	Withdraw	Transaction History				
Withdraw			UNCONFIRMED	-0.0000000	0 ZEN		
Available balance From	vailable balance 1.00022000 ZEN From znaKWHmddLu3HuADxSNYUUNPFZ6fk4dy3Y5		Mar 3, 2018, 10:43 PM	+0.0000000	0 ZEN		
То	znSQmUGvZ2y2EpeHsLX	Wp2BkMF6XUSDX3RG	Jan 20, 2018, 9:20 PM	+0.0000000	0 ZEN		
Amount	0.3000000		— Jan 20, 2018, 7:13 PM	+0.0000000	0 ZEN		
fransaction lee	ransaction fee 0.00010000		Jan 20, 2018, 12:05 PM	-0.0001000	0 ZEN		
	Withdraw		Jan 17, 2018, 9:05 PM	-0.0001000	0 ZEN		
	n has been successfully		Jan 16, 2018, 10:08 PM	+0.000000	0 ZEN		
Show Transaction		02034137636136327	Dec 18, 2017, 7:39 PM	+0.000000	0 ZEN		
			Dec 18, 2017, 5:07 PM	-0.000000	0 ZEN		
			Oct 28, 2017, 1:06 PM	+0.4600000	0 ZEN		
			Oct 22, 2017, 6:37 PM	-0.200000	0 ZEN		
			Oct 21, 2017, 8:03 PM	+0.100000	0 ZEN		
			Oct 14, 2017, 6:39 PM	+1.0005000	0 ZEN		

Figure 2.10: If your transaction was successful a green label occurs and you can show your transaction in web browser.

	Search for bl	ock, transaction 🗸 - Conn 8 - Height 267061	醌Scan zen				
Transaction							
Transaction 16301e39b6bc93bfc86f973bd2ed444d14	c88af412899a0b)	2854f37c5cf5e327					
Summary							
Size			302 (byte				
Fee Rate		0.000331125827	81456954 zen per k				
Received Time Mar 3, 2018 11:01:37 PM							
Mined Time			Nj				
Details	899a0b2854f37c	5d5e327					
0 16301e39b6br93bfr86f973bd2ed444d14r88af412							
© 16301e39b6bc93bfc86/973bd2ed444d14c88el412 No JoinSplits							
-		~					
No JoinSplits	zen 🔉	zrSQmUGVZ2y2EpeHsLXWp2BkMF6XUSDX3RG	0.3 zen (U)				

Figure 2.11: You can see the transaction detail in your web browser.



Figure 2.12: If you send a transaction you can see a transaction status update.

Settings Paper W	allet Batch Withdrav	/ Import	Private Key	Arizen 📢	Refresh Logout	About	Exi
Overview	Depos	it	Withdraw	Transa	action History		
Withdraw				Mar 3, 2018, 11:03 PM	-0.0001000	D ZEN	N î
Available balance From	1.00022000 ZEN znaKWHmddLu3HuA	D. CADULUU		Mar 3, 2018, 10:59 PM	-0.0000000	0 ZEN	- V
То	znSQmUGvZ2v2Epe		,	Mar 3, 2018, 10:43 PM	+0.0000000		-
Amount	0.3000000			Jan 20, 2018, 9:20 PM	+0.00000000		-
Transaction fee	0.00010000			Jan 20, 2018, 7:13 PM	+0.00000000		-
	Withdra			Jan 20, 2018, 12:05 PM	-0.0001000		-
The transaction	n has been succes		nt				-
	3bfc86f973bd2ed444d14c88af4			Jan 17, 2018, 9:05 PM	-0.0001000		-
Show Transaction	I IN Explorer			Jan 16, 2018, 10:08 PM	+0.0000000) ZEI	1
				Dec 18, 2017, 7:39 PM	+0.0000000) ZEI	٧
				Dec 18, 2017, 5:07 PM	-0.0000000) ZEN	1
				Oct 28, 2017, 1:06 PM	+0.4600000	D ZEM	V
				Oct 22, 2017, 6:37 PM	-0.2000000) ZEM	V
				Oct 21, 2017, 8:03 PM	+0.1000000		V
				Oct 14, 2017, 6:39 PM	+1 0005000		

Figure 2.13: When you send a transaction you can see it immediately in transaction history.

2.4 Batch Withdraw

The next amazing feature implemented in Arizen wallet v1.1.5 is **Batch Withdraw**, see Fig. 2.14. This feature has two main use–cases which focus on:

- Security node operators.
- Consolidating your ZENs to one address.

Security node operators: When you are a security node operator you must have 42 ZENs in your staking T–address. When your staking address receives the rewards from operating security node you want to send this reward to another address and keep your 42 ZENs on this staking address. This feature perfectly does that for you. You can select your staking addresses, destination address (where the collected reward will be sent) and the amount to keep (in this case 42 ZENs).

Consolidating your ZENs to one address: In this use-case you can consolidate your ZENs from multiple addresses to one destination address. The process is the same like in the previous example but you must set amount to keep to 0 ZENs.

This functionality has been reworked in version v1.1.5 as following: If it is choosen more than 10 selected addresses then the addresses are divided into transactions where each transaction contains 10 selected addresses. In every transaction there is set a transaction fee. For example 23 selected addresses are divided into 3 transactions ($2 \ge 10 + 3 =$ 3 transactions, it means 3 x transaction fee).



Settings Paper Wallet	Batch Withdraw Impo	rt Private Key	Arizen 📢	Refresh	Logout	About	Ex
Overview	Deposit	Withdraw	Trar	saction Hi	story		
List Of Addresses	Show zero balar	Get a new addr	an 20, 2018, 9:20 PM	ı +0.0	00000	00 ZI	ΞN
MyLittleTigger znaKWHmddLu3HuADx	SNYUUNPFZ6fk4dv3Y5	0.90030000 ZEN 1	1 Jan 20, 2018, 7:13 PM	+0.0	00000	00 ZI	ΞN
CrazyUnicorn			Jan 20, 2018, 12:05 F	м -0.0	00100	00 ZE	ΞN
znf6U4zZku8g6jp4t	HncHuhgPyh4UnfqZcu	. E	Jan 17, 2018, 9:05 PM	-0.0	00100	00 ZE	ΞN
Cumak znSQmUGvZ2y2EpeHs	LXWp2BkMF6XUSDX3RG	0.05000000 ZEN	Jan 16, 2018, 10:08 F	м +0.0	00000	00 ZI	ΞN
			Dec 18, 2017, 7:39 Pl	u +0.0	00000	00 ZE	ΞN
			Dec 18, 2017, 5:07 PI	u -0.0	00000	00 ZE	ΞN
			Oct 28, 2017, 1:06 PM	1 +0.4	60000	00 ZI	ΞN
			Oct 22, 2017, 6:37 PM	-0.2	00000	00 ZE	ΞN
			Oct 21, 2017, 8:03 PM	+0.1	00000	00 ZI	ΞN
			Oct 14, 2017, 6:39 PM	+1.0	00500	00 ZI	ΞN

Figure 2.14: Feature Batch Withdraw you can find on Tool bar.

Deposit	Withdraw					
	THE STORE	Transa	ction His	tory		
Show zero balance	es Get a new address	Jan 20, 2018, 9:20 PM	+0.00		00 ZE	EN
	0030000 ZEN 1 1	Jan 20, 2018, 7:13 PM	+0.00		00 ZE	EN
h Withdraw			Х	0100	00 ZE	ΞN
ect all Clear all				0100	00 ZE	ΞN
MyLittleTigger znał	(WHmddLu3HuADxSNYUU	NPFZ6fk4dy3Y5 0.90030	000 ZEN	0000	00 ZE	EN
CrazyUnicorn znfe	5U4zZku8g6jp4tHncHu	hgPyh4UnfqZcu 0.05000	000 ZEN	0000	00 ZE	EN
Cumak znS0	<pre>@mUGvZ2y2EpeHsLXWp2</pre>	BkmF6XUSDX3RG 0.05000	000 ZEN	0000	00 ZE	EN
To znaKWHmc	ldLu3HuADxSNYUUNPFZ	6fk4dy3Y5		0000	00 ZE	EN
				0000	00 ZE	ΞN
	0	W		0000	00 ZE	EN
			in an an a	0500	00 ZE	EN
	ANNOL 72 EL 4 A J 2 V C Withdraw A Vithdraw A Vithdraw A Vithdraw MyLittleTigger 2 nak CrazyUnicom 2 nfe Cumak 2 nSC To 2 nakWHmd Int to keep 0.0500000	ct all Clear all MyLittleTigger znaKWHmddLu3HuADxSNYUU CrazyUnicorn znf6U4zZku8g6jp4tHncHu Cumak znSQmUGvZ2y2EpeHsLXWp2	Implement 26 EAAU 2010 Implement 2010 <td< td=""><td>Instruct are Extended and an analysis Instruct and analysis <thinstruct analysis<="" and="" th=""> <thinstruct analysi<="" and="" td=""><td>Image 28 EA Advave Image 2</td><td>Imperzyszku du zyc Marze, 2010, F.101 M 10,00000000 ZEI Withdraw X 010000 ZEI MyLittle Tigger znaKWHmddLu3HuAbxSNYUUNPFZ6fk4dy3Y5 090030000 ZEN MyLittle Tigger znaKWHmddLu3HuAbxSNYUUNPFZ6fk4dy3Y5 090030000 ZEN CrazyUnicom znf6U4zZku8g6jp4tHncHuhgPyh4UnfqZcu 0.05000000 ZEN Cumak znSQmUGvZzy2EpeHsLXWp2BkMF6XUSDX3RG 0.05000000 ZEN To znaKWHmddLu3HuAbxSNYUUNPFZ6fk4dy3Y5 000000 ZEN To znaKWHmddLu3HuAbxSNYUUNPFZ6fk4dy3Y5 000000 ZEN J000000 ZEN 000000 ZEN</td></thinstruct></thinstruct></td></td<>	Instruct are Extended and an analysis Instruct and analysis <thinstruct analysis<="" and="" th=""> <thinstruct analysi<="" and="" td=""><td>Image 28 EA Advave Image 2</td><td>Imperzyszku du zyc Marze, 2010, F.101 M 10,00000000 ZEI Withdraw X 010000 ZEI MyLittle Tigger znaKWHmddLu3HuAbxSNYUUNPFZ6fk4dy3Y5 090030000 ZEN MyLittle Tigger znaKWHmddLu3HuAbxSNYUUNPFZ6fk4dy3Y5 090030000 ZEN CrazyUnicom znf6U4zZku8g6jp4tHncHuhgPyh4UnfqZcu 0.05000000 ZEN Cumak znSQmUGvZzy2EpeHsLXWp2BkMF6XUSDX3RG 0.05000000 ZEN To znaKWHmddLu3HuAbxSNYUUNPFZ6fk4dy3Y5 000000 ZEN To znaKWHmddLu3HuAbxSNYUUNPFZ6fk4dy3Y5 000000 ZEN J000000 ZEN 000000 ZEN</td></thinstruct></thinstruct>	Image 28 EA Advave Image 2	Imperzyszku du zyc Marze, 2010, F.101 M 10,00000000 ZEI Withdraw X 010000 ZEI MyLittle Tigger znaKWHmddLu3HuAbxSNYUUNPFZ6fk4dy3Y5 090030000 ZEN MyLittle Tigger znaKWHmddLu3HuAbxSNYUUNPFZ6fk4dy3Y5 090030000 ZEN CrazyUnicom znf6U4zZku8g6jp4tHncHuhgPyh4UnfqZcu 0.05000000 ZEN Cumak znSQmUGvZzy2EpeHsLXWp2BkMF6XUSDX3RG 0.05000000 ZEN To znaKWHmddLu3HuAbxSNYUUNPFZ6fk4dy3Y5 000000 ZEN To znaKWHmddLu3HuAbxSNYUUNPFZ6fk4dy3Y5 000000 ZEN J000000 ZEN 000000 ZEN

Figure 2.15: You can set the *Amount to keep* (threshold) which means the amount of ZENs which will stay on chosen addresses and the rest will be sent to the destination address (To). And you can choose new options *Select all* and *Clear all*.

ettings Paper Wallet	Batch Withdraw	Import Private Key	Arizen 🔩	Refr	esh	Logout A	bout I
Overview	List Of Add	resses			x		
Withdraw						lory	
withdraw	MyLittleTigger	znaKWHmddLu3HuADxSNYUU	JNPFZ6fk4dy3Y5	0.40012000 ZEN	Î D	10000	ZEN
Available balance 1.0	CrazyUnicorn	znf6U4zZku8g6jp4tHncHu	uhgPyh4UnfqZcu	0.30004000 ZEN			
From zna	Cumak	znSQmUGvZ2y2EpeHsLXWp2	BkMF6XUSDX3RG	0.30004000 ZEN			ZEN
To	CrazyHorse	zncEEo5tP3BAua1eedbfW\	(5TkJ7MypFJEWZ	0.0000000 ZEN	18	0000	
		znarQXo3JxLUwsZVwpzy5a	5YuQV3HFFQZ3H	0.0000000 ZEN	18	00000	
Amount (znasJHiLHwr5Nu8U1aSCVw	vYcf6jw7qEEosH	0.0000000 ZEN	18	00000	
Transaction fee		znb11ZQCViobjFpVYQ8mnF	466FkcD4p1zWw	0.0000000 ZEN	18		
		znbb8agkGuUQMXCFRmpq9a	4N6uEBtbTee9v	0.0000000 ZEN	18)0000	
		znbkZ6DXPbvhoCJ1rY22tu	uUqBSWfbD4NVGV	0.0000000 ZEN	18	10000	ZEN
		znbohqboJYq4CnzeHhShn7	78hVwQ95HaH5QM	0.0000000 ZEN	18	10000	ZEN
The transaction I		znbPuX4fbKJjyVioBuCZSs	7mNTR61cVPaUv	0.0000000 ZEN	88	10000	ZEN
TXid: 16301e39666c936fc Show Transaction in		zncdiMsPyzc4Je3QCE82s	(t5fkme45RgPBw	0.0000000 ZEN			
Show transaction in		zncu2tnVf7u4wr39nYXWB2	2FRuUCgPQ1psN	0.0000000 ZEN)0000	
		znd5WbhqHfEoTsmLa5R1uc	SBnbD9qo2cVby	0.0000000 ZEN		0000	
		zndTNq1cQ54khH4sXGDDh1	L9EFT9i7ScMCj7	0.0000000 ZEN		10000	
		znfHgfJr2yW1XpYSqnGCzh	r8bbSmDppwf3N	0.0000000 ZEN		00000	ZEN
		zngDfjyBMqHKMvAVeiAzwu	lqrn4oLTsxnX2S	0.0000000 ZEN			
		zngTm5Pza68o5HRwatXNM8	3FyMu5KNS7Ufmk	0.0000000 ZEN		00000	
		znh7LjGBHupcWww6et8afs	jEa6a179kSEhu	0.0000000 ZEN	h		ZEN
		znhHKPQYKuGT9WL3tXPvcd	AMV7wLHMNQxwi	0.0000000 ZEN			
		znigSDCuDz6zcBPiukdc24	OPRJJ4E8rwVJB	0.0000000 ZEN	D		
		znitKsXbQTwESXFizwoJm7		0.0000000 ZEN			
		anduda1nKx0kKvIIf2fEvf/	76117561750 I+V	0 0000000 7EN	- 1		

Figure 2.16: You can choose from the list of your addresses.

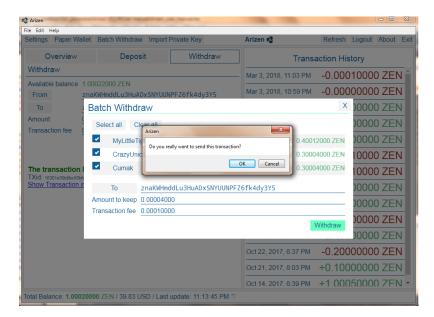


Figure 2.17: You are asked for confirmation before sending the transaction.



ettings Paper Wallet	Batch Withdraw Import	Private Key	Arizen 😍	Refresh Logout	About
Overview	Deposit	Withdraw	Transa	ction History	
List Of Addresses	Show zero balance	ces Get a new address	Jan 20, 2018, 9:20 PM	+0.000000	00 ZE
	0 xSNYUUNPFZ6fk4dy3Y5	.90030000 ZEN 🚺 1	Jan 20, 2018, 7:13 PM	+0.000000	00 ZE
CrazyUnicorn		.05000000 ZEN 👔 🕇	Jan 20, 2018, 12:05 PM	-0.000100	00 ZE
0 91	tHncHuhgPyh4UnfqZcu		Jan 17, 2018, 9:05 PM	-0.000100	00 ZE
Cumak znSQmUGvZ2y2EpeH	0 IsLXWp2BkMF6XUSDX3RG	.05000000 ZEN	Jan 16, 2018, 10:08 PM	+0.000000	00 ZE
	Transaction status			×)0000	00 ZE
	efa56b4ce0bfd9f4884	1f2eee885a5c21f632a	a723644b4c241020349c29	3057db	00 ZE
			OCC20, 2017, 1.001 M	.0.40000	00 ZE
			Oct 22, 2017, 6:37 PM	-0.200000	00 ZE
			Oct 21, 2017, 8:03 PM	+0.100000	00 ZE
			Oct 14, 2017, 6:39 PM	+1.000500	00 ZE
					rizen

Figure 2.18: If you confirmed the transaction you can see Transaction status, its ID and a link for web browser.

insight Blocks									
Transaction aed63d5fccc30bb7	7d7ec957d6c4	4ff8c469502	53d58bb63e5	5d58d08f0e6b72268					
Summary									
Size							81	6 (bytes)	
Fee Rate					0.0	00012254901	960784314 ze	n per kB	
Received Time						Ma	ar 3, 2018 11:2	4:38 PM	
Mined Time								Ŋ/A	
Included in Block							Upro	nfirmed	
Details							01100		
aed63d5fccc30bb7d7ec957	d6c4ff8c4695	50253d58bb	63e5d58d08fi	0e6b72268			med re	st of a	ZENs from t
	d6c4ff8c4695	50253d58bbi	63e5d58d08fi	0e6b72268	or	igin ad an the	med res	st of a s (wh old) is	
aed63d5fccc30bb7d7ec957	*		- .		or	igin ad an the stinati	med res dresse thresho	st of a s (wh old) is ress.	ich was big sent to
aed63d5fccc30bb7d7ec957 No JoinSplits	A 28kMF6XUSD) .0.30004 zł	• •	znaKWHmddLu3	or th de	igin ad an the stinatio	med rese dresse thresho on add	st of a s (wh old) is ress.	ich was big sent to The thresh was set to
aed63d5fccc30bb7d7ec957 No JoinSplits znSQmUGvZ2y2EpeHsLXWp;	A 28kMF6XUSD) .0.30004 zł	• •	znaKWHmddLu3 znf6U4zZku8g6j	or th de	rigin ad an the stination cofk4dy3Y5	med res dresse thresho on add	st of i s (wh bld) is ress. en (U)	ich was big sent to The thresh

Figure 2.19: User chose two source addresses with balances 0.30004 ZENs and 0.30004 ZENs. The selected threshold (*Amount to keep*) was 0.00004 ZENs. The result of the transaction were the thresholds and the rest of ZENs was transferred to the destination address (*To*).



2.5 Transaction History

Transaction History shows every transaction which were done. If you had done a transaction and it hasn't been confirmed, you can see it with label *Unconfirmed*, see Fig. 2.13. You can click on every single transaction and check Transaction Detail as it's shown in Fig. 2.20.

ettings Pap	er Wallet	Batch Withdraw	Arizen 😍		Refresh Logout	About	E
Overv	iew	Deposit	Withdraw	Transa	ction History		
List Of Add	resses	Show zero balar	ces Get a new address	Jan 17, 2018, 9:05 PM	-0.000100	00 ZI	13
MyLittleTig znaKWHmddl		NYUUNPFZ6fk4dy3Y5	0.84050000 ZEN	Jan 16, 2018, 10:08 PM	+0.00000	00 ZI	Eľ
CrazyUnic			0.09990000 ZEN	Dec 18, 2017, 7:39 PM	+0.000000	00 ZI	
znf6U4zZk	Transa	ction Detail			X	00 ZI	Ē
Cumak znSQmUGvZ		Show in ZEN Ex	<u>kplorer</u>	db1d1130d728a5fe659b	d151163e816d	00 ZI	
	Date Block He Amount	Jan 17, 2018, 9 ight 241501 -0.00010000 ZE				00 ZI	
	From To	-	6jp4tHncHuhgPyh4Unfo HuADxSNYUUNPFZ6fk4dv			00 ZI	
	10		6jp4tHncHuhgPyh4Unfo				

Figure 2.20: You can check Transaction Detail with all important information.

Chapter 3

Settings and updates

3.1 Settings

In Settings you can set Transaction limit, Language, Zen Explorer URL and API URLs and Fiat Equivalent, see Fig. 3.1.

- **Transanction limit** defines the amount of transactions shown in the Transaction history.
- You can also choose the **Language** which is the most suitable one for you.
- The **ZEN Explorer URL** indicates address which is opened when you click on the detail of transaction.
- API URLs is used for sending of transactions to blockchain. API URLs can be extended by user. You can add a new address on a new row. The API URLs are tried one by one.
- You can choose one of the defined **Fiat Equivalent**. The choosen Fiat Equivalent is shown in Balance bar, see Fig. 2.4.
- **Desktop notification** can help you to track progress with your transactions, see Fig. 2.12.
- It was implemented **Domain fronting** technique which is supposed to be a part of ZenHide. This technology allows to use Arizen for people around the world. It can help especially to people who live in countries where is applied censorship for an access to web-services. It is used the *https://www.google.com/* domain for establishing the encrypted connection. After the *https* connection is establish, the real destination of *https://www.zendhide.appspot.com* is included into the encrypted header request and sent to the Domain Fronted API server where a full ZenCash node runs. After that you can send the T transaction normally. See Fig. 3.1.



Please note that we use the most widely spoken languages. And it's impossible to implement all languages into Arizen wallet.

e Edit Help ettings Paper Wallet	Batch Withdraw Impo	ort Private Key	Arizen 😋	Refresh	Logout	About	Ex
Overview	Deposit	Withdraw	Tr	ransaction H	istory		
List Of Addresses	Show zero balar	nces Get a new addre	Apr 2, 2018, 7:14 F	м +0.00		0 ZE	N
MyLittleTigger znaKWHmddLu3HuADx	n. Settings	80002000 ZEN 🔳 🗖	Aug 2 2010 11-26	X	01000		
O Cumak znSQmUGvZ2y2EpeHs	Transaction limit	50 English		items	01000		
CrazyUnicorn znf6U4zZku8g6jp4t	Language ZEN Explorer URL	https://explorer.zensys				0 ZEI	N
CrazyHorse zncEEo5tP3BAua1ee	API URLs	https://explorer.zensys http://explorer.zenmin	stem.io/insight-api-zen e.pro/insight-api-zen				
Unnamed address znarQXo3JxLUwsZVw	Fiat Equivalent	(USD) US Dollar			00000		
Unnamed address znas JHiLHwr5Nu8U1	Desktop notifications	· · · · · · · · · · · · · · · · · · ·			01000	o ZEI	N
Unnamed address znb11ZQCViobjFpVY	Domain fronting	-					
O Unnamed address	mpq9a4N6uEBtbTee9v		Dec 18, 2017, 5:07		00000		
Unnamed address zpbk760XPbybcC11z	0. Y22tuUqBSWfbD4NVG\	00000000 ZEN	Oct 28, 2017, 1:06	РМ +0.46		D ZEI	V
2110K200AF DVIIOC311	12200005015541004		Cct 22, 2017, 6:37	РМ -0.20	00000	0 7FI	V

Figure 3.1: In option Settings you can set Transaction limit, Language, Zen Explorer URL, API URLs, and Fiat Equivalent.

ettings Paper Wallet	Batch Withdraw Impor	t Private Key	Arizen 😍	Refre	sh Logout	About	E
Overview	Deposit	Withdraw	Trans	action	History		
List Of Addresses	Show zero balan	ces Get a new address	Apr 2, 2018, 7:14 PM	+0.0		0 ZEI	V
MyLittleTigger znaKWHmddLu3HuADx	0.8 Settings	0002000 ZEN 🔳 🗖 🚖	Mar 2, 2010, 44-26 DM	X	01000		
Cumak znSQmUGvZ2y2EpeHs	Transaction limit	50 English		items)01000)00000		
CrazyUnicom znf6U4zZku8g6jp4t	ZEN Explorer URL	عربی Česky		•	00000		
CrazyHorse zncEEo5tP3BAua1ee	API URLS	Deutsch Ελληνικά English			00000		
O Unnamed address znarQXo3JxLUwsZVw	Fiat Equivalent	Español Français 日本語			01000		
O Unnamed address znas JHiLHwr5Nu8U1	Desktop notifications Domain fronting	한국어 Dutch Polski			01000		
Unnamed address znb11ZQCViobjFpVY	Somain nonung	Português Русский			00000		
Unnamed address znbb8agkGuUQMXCFR	mpq9a4N6uEBtbTee9v			D	000000		
Unnamed address znbkZ6DXPbvhoCJ1r	0.C Y22tuUqBSWfbD4NVGV	简体中文 繁體中文	Oct 22 2017 6:37 PM	_	600000 000000		

Figure 3.2: You can change language of your Arizen wallet.



😢 Arizen	ALCONOMIC DE LA COLONIA DE LA	
File Edit Help	(USD) US Dollar (EUR) Euro	^
Settings Paper Wallet Batch Withdraw Impor	(RUB) Russian Ruble	esh Logout About Exit
Overview Deposit	(JPY) Japan Yen (GBP) British Pound	History
List Of Addresses Show zero balan	(AUD) Australian Dollar	0000000 ZEN
MyLittleTigger D.a ZnaKWHmddLu3HuADx Settings	(BRL) Brazilian Real (CAD) Canadian Dollar (CHF) Swiss Franc	20010000 ZEN
Cumak Transaction limit Language	(CLP) Chili Peso (CNY) China Yuan/Renminbi (CZK) Czech Koruna	0010000 ZEN
CrazyUnicom znf6U4zZku8g6jp4t API URLs	(DKK) Denmark Krone (HKD) Hong Kong Dollar (IDR) Indonesia Rupiah	0000000 ZEN
CrazyHorse zncEEo5tP3BAua1ee	(ILS) Israel New Shekel (INR) India Rupee (KRW) South Korea Won	0000000 ZEN
Unnamed address znarQXo3JxLUwsZVw Fiat Equivalent	(MXN) Mexico Peso (USD) US Dollar	010000 ZEN
Unnamed address Desktop notifications znas JHiLHwr5Nu8U1 Domain fronting	✓	0010000 ZEN
Unnamed address znb11ZQCViobjFpVY	_	0000000 ZEN Save 0000000 ZEN
Unnamed address znbb8agkGuUQMXCFRmpq9a4N6uEBtbTee9v	Dec 18, 2017, 5:07 PM	-0.00000000 ZEN
Unnamed address O.O znbkZ6DXPbvhoCJ1rY22tuUgBSWfbD4NVGV	0000000 ZEN III Oct 28, 2017, 1:06 PM	+0.46000000 ZEN
	• Oct 22, 2017, 6:37 PM	-0 20000000 7FN 🛛
Total Balance: 1.00010000 ZEN / 18.25 USD / Las	st update: 7:50:36 PM 😡	

Figure 3.3: You can change your Fiat currency. Just click on *Fiat Equivalent* and choose the perfect one for you o.

New feature in *Settings* has been added into v1.1.5. It is *Desktop notifications*. You can turn it on or off, see Fig. 3.4.

ettings Paper Wallet	Batch Withdraw Impo	rt Private Key	Arizen 😍	Refre	sh Logout	About
Overview	Deposit	Transaction History				
List Of Addresses	Show zero balar	Get a new address	Mar 3, 2018, 11:26 PM	-0.0	001000	
MyLittleTigger znaKWHmddLu3HuADx	Settings	00002000 ZEN 🔳 🗖	Mar 2, 2010, 11-02 DM	X	001000	
CrazyUnicorn znf6U4zZku8g6jp4t	Transaction limit	50 English		items	00000	
Cumak znSQmUGvZ2y2EpeHs	ZEN Explorer URL	https://explorer.zensyster			00000	
CrazyHorse zncEEo5tP3BAua1ee	API URLs	https://explorer.zensystem.io/insight-api-zen http://explorer.zenmine.pro/insight-api-zen			00000	
O Unnamed address znarQXo3JxLUwsZVw	Fiat Equivalent	(USD) US Dollar)01000)01000	
O Unnamed address znas JHiLHwr5Nu8U1	Desktop notifications				00000	D ZEN
Unnamed address znb11ZQCViobjFpVY	Domain fronting			Save	00000	
Unnamed address znbb8agkGuUQMXCFR	mpq9a4N6uEBtbTee9v		Oct 28, 2017, 1:06 PM	+0.4	600000	
Unnamed address		0000000 ZEN 1 t	Oct 22, 2017, 6:37 PM	-0.2	000000	D ZEN
znokzouxPbvhoCJ1r	Y22tuUqBSWfbD4NVGV		Oct 21, 2017, 8:03 PM	-0 1	000000	D ZEN

Figure 3.4: You can turn on or turn off the Desktop notifications in *Settings*.



3.2 Update

You don't need to install updates manually. It is done automatically (when new update has been released). When you click on the button OK (see Fig. 3.5), the **app is updated and the Arizen wallet is automatically relaunched**. It just takes some time, what depends on your computer. Sometimes you have close the app and relaunch it again.

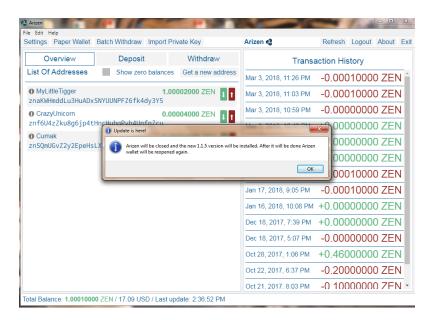


Figure 3.5: If there is available update version you are asked for confirmation of installation - you can't decline or postpone it.

3.3 Paper Wallet

Paper Wallet is a new cool feature, see Fig. 3.6. With option of Paper Wallet you can :

- Export it into *.pdf format and add it into Arizen, see Fig. 3.7.
- Or only export it into ***.pdf** format.

If you add the Paper Wallet into Arizen, you have to choose *Show zero balances* and then you can see it in a list of your addresses, as it's show in Fig. 3.8.

Exporting Paper Wallet into *.pdf format you receive a document with Private Key in a string format and T–address, see Fig. 3.9.

Settings Paper Walle	t Batch Withdraw	Arizen 📢		Refresh Logout About E	
Overview	Deposit	Withdraw	Transaction History		
List Of Addresses	Show zero balance	s Get a new address	Jan 17, 2018, 9:05 PM	-0.00010000 ZEM	
MyLittleTigger znaKWHmddLu3HuAF	0.8 0xSNYUUNPFZ6fk4dy3Y5	4050000 ZEN	Jan 16, 2018, 10:08 PM	+0.0000000 ZEM	
CrazyUnicorn		9990000 ZEN 🚦 🕇	Dec 18, 2017, 7:39 PM	+0.00000000 ZEM	
znf6U4zZku8g6jp4tHncHuhgPyh4UnfqZcu		Dec 18, 2017, 5:07 PM	-0.00000000 ZEI		
Cumak znSOmUGv72v2EpeHsL	0.0 IsLXWp2BkMF6XUSDX3RG	6000000 ZEN 11	Oct 28, 2017, 1:06 PM	+0.46000000 ZEI	
			Oct 22, 2017, 6:37 PM	+0.20000000 ZEI	
			Oct 21, 2017, 8:03 PM	+0.1000000 ZEI	
			Oct 14, 2017, 6:39 PM	+1.00050000 ZEI	

Figure 3.6: New cool feature is a possibility to create a Paper Wallet.



😍 Arizen	State of the local division of the local div	Carlos and and and	-	- • • • • • • •
File Edit Settings Paper Wallet Batch V	Withdraw	Arizen 🐔		Refresh Logout About Exit
Overview	Deposit	Withdraw	Transa	action History
List Of Addresses	Show zero balances	Get a new address	Jan 17, 2018, 9:05 PM	-0.00010000 ZEN
MyLittleTigger znaKWHmddLu3HuADxSNYUUN		4050000 ZEN 🚦 🕇	Jan 16, 2018, 10:08 PM	+0.0000000 ZEN
CrazyUnicorn	,	9990000 ZEN	Dec 18, 2017, 7:39 PM	+0.0000000 ZEN
5 51	gs Paper Wallet Batch Withdraw A Overview Deposit Withd Of Addresses Show zero balances Get a ne tyLittleTigger 0.84050000 Zt KWHmddLu3HuADxSNYUUNPFZ6fk4dy3Y5 rzazyUnicom 0.09990000 Zt GU4zZku8g6jp4tHncHuhgPyh4UnfqZcu Zumak p.gs000000 Zt Generate New W Name (optional)		Dec 18, 2017, 5:07 PM	-0.00000000 ZEN
	ist Of Addresses Show zero balances Get a new MyLittle Tigger 0.84050000 ZEF acKWH#ddLu3HuADxSNYUUNPFZ6fk4dy3YS OrazyUnicom 0.09990000 ZEF inf6U4zZku8g6jp4tHncHuhgPyh4UnfqZcu Ocumak 0.06000000 ZEF inSQmUGvZ2y2EpeHsLXWp2BkMF65 Generate New Wat Name (optional)		× M	+0.46000000 ZEN
	view Deposit Withdraw dresses Show zero balances Get a new address igger 0.84050000 ZEN 1 Lu3HuADxSNYUUNPFZ6fk4dy3Y5 com 0.09990000 ZEN 1 u8g6jp4tHncHuhgPyh4UnfqZcu 2y2EpeHsLXWp28kMF6 Generate New Wallet	PM	+0.2000000 ZEN	
			PM	+0.1000000 ZEN
	Deposit With Show zero balances Get a r 0.84050000 cSNYUUNPFZ6fk4dy3Y5 0.09990000 cHncHuhgPyh4UnfqZcu chncHuhgPyh4UnfqZcu chncHuhgPyh4UnfqZcu chncHuhgPyh4UnfqZcu n nennonn Generate New Y Name (optional)		Export PDF PM	+1.00050000 ZEN
	QmUGvZ2y2EpeHsLXWp2BkMF6 Generate New W Name (optional)			
Total Balance: 1.00040000 ZEN /	43.40 USD / Last u	pdate: 7:41:28 PM		

Figure 3.7: You can export your Paper Wallet into ***.pdf** format and it's possible to add it into Arizen.

Arizen		10 N 10 N				
ile Edit Settings Paper Wallet	Batch Withdraw	Arizen 📢		Refresh Logout About Ex		
Overview Deposit		Withdraw	Transa	saction History		
List Of Addresses	Show zero balance	Get a new address	Jan 17, 2018, 9:05 PM	-0.00010000 ZEN		
MyLittleTigger zpaKWHmddLu3HuADx	0.84 SNYUUNPFZ6fk4dv3Y5	050000 ZEN 📘 1	Jan 16, 2018, 10:08 PM	+0.0000000 ZEN		
CrazyUnicom	,	990000 ZEN 🔋 🚹	Dec 18, 2017, 7:39 PM	+0.00000000 ZEN		
5 51	HncHuhgPyh4UnfqZcu	Dec 18, 2017, 5:07 PM	-0.00000000 ZEN			
Cumak znSQmUGvZ2y2EpeHs	0.06 LXWp2BkMF6XUSDX3RG	000000 ZEN 11	Oct 28, 2017, 1:06 PM	+0.46000000 ZEN		
CrazyHorse		000000 ZEN 1 1	Oct 22, 2017, 6:37 PM	+0.2000000 ZEM		
	dbfWY5TkJ7MypFJEWZ		Oct 21, 2017, 8:03 PM	+0.10000000 ZEN		
Unnamed address znarQXo3JxLUwsZVw	0.00 pzy5a5YuQV3HFFQZ3H	000000 ZEN 11	Oct 14, 2017, 6:39 PM	+1.00050000 ZEN		
O Unnamed address znasJHiLHwr5Nu8U1	0.00 aSCVwYcf6jw7qEEosH	000000 ZEN 11				
Unnamed address znb11ZQCViobjFpVY	0.00 Q8mnP466FkcD4p1zWw	000000 ZEN 11				
Unnamed address znbb8agkGuUQMXCFR	0.00 mpq9a4N6uEBtbTee9v	000000 ZEN 11				
Unnamed address znbkZ6DXPbvhoCJ1r	0.00 Y22tuUqBSWfbD4NVGV	000000 ZEN				
	00 ZEN / 43.71 USD / Last					

Figure 3.8: If you've chosen Add this wallet to Arizen, you can see in Overview.Show zero balances checkbox is checked by default.



ZENCASH WALLET CrazyHorse

PRIVATE KEY 022fb7e8410269e21d25 c7cf8b94b



T-ADDRESS znbvSX3ZsMiuNs9jY6BnL6zLGNaH3hPz96L



Figure 3.9: Your private key and T-address can be stored in string form and QR code form as *.pdf file.

Chapter 4

Technical support

4.1 Help menu

New option implemented in the Arizen wallet v1.1.5 is Help. You can find it on a toolbar next to option *File* and *Edit*, see Fig. 4.1. There are three options:

- Arizen Manual this new option can direct you on GitHub webpage where you can download the actual Arizen Manual for version v 1.1.5.
- Support you can use a service of ZenHelp, the global helpdesk for ZenCash users. You will be kindly ask for signing up and create a free account in order to get in contact with the ZenCash team and receive support. You will also be able track the progress of your requests. Many thanks to ZenHelp team for doing great job!
- ZenCash explore our official website with all of the possibilities and perks which are offered by ZenCash[©].



Settings Arizen Manual Ctrl+H	draw Import Private Key		Arizen 📢	Refresh	Logout	About	Exi	
Suport Ctrl+Shift+S	posit	Withdraw	Transaction History					
ist Or Augresses or	ow zero balanc	es Get a new addres	s Jan 20, 2018, 9:20 PM	+0.0	00000	00 ZE	ΞN	
MyLittleTigger znaKWHmddLu3HuADxSNYUUNPF		.90030000 ZEN 🚺 🕇	Jan 20, 2018, 7:13 PM	+0.0	00000	00 ZE	ΞN	
CrazyUnicorn		.05000000 ZEN 🚺 🕇	Jan 20, 2018, 12:05 PM	-0.0	00100	00 ZE	ΞN	
znf6U4zZku8g6jp4tHncHuhgA	2 - C		Jan 17, 2018, 9:05 PM	-0.0	00100	00 ZE	ΞN	
Cumak 0.05000000 ZEN II I			Jan 16, 2018, 10:08 PM	+0.0	00000	00 ZE	ΞN	
			Dec 18, 2017, 7:39 PM	+0.0	00000	00 ZE	ΞN	
			Dec 18, 2017, 5:07 PM	-0.0	00000	00 ZE	ΞN	
			Oct 28, 2017, 1:06 PM	+0.4	60000	00 ZE	ΞN	
			Oct 22, 2017, 6:37 PM	-0.20	00000	00 ZE	ΞN	
			Oct 21, 2017, 8:03 PM	+0.1	00000	00 ZE	ΞN	
			Oct 14, 2017, 6:39 PM	+1.0	00500	00 ZE	ΞN	

Figure 4.1: Option *Help* can direct you on Arizen Manual, Support or official Zen-Cash website.

4.2 About and thanks to the team

If you need some technical support, please, contact our developers and main contributors via Discord or via Github(which is preferable).

Have you found a bug? Would you like to recommend to us any new cool feature? Please let us know via Github issue.

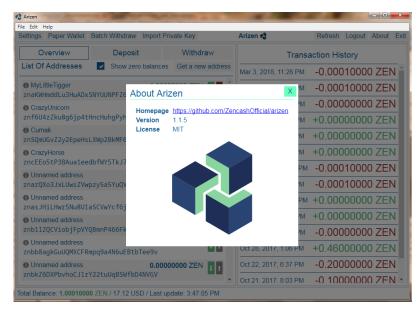


Figure 4.2: Option *About* shows you Homepage and version of your Arizen Wallet.

Many thanks belong to the Arizen Team who dedicated leisure time to develop the Arizen wallet v1.1.5. The biggest part of this is in hands of @lukas, @woky, @gsfakianakis, and @Tigger. Many thanks to people who help us to improve this project via Github issues and tasks. Peace \heartsuit