

**Remix | RMX-SPL-TP1 Rev 0**

*Supplemental Documentation, Technical Preview 1*

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## 1. REVISION HISTORY

1. **Revision 0 - 2018.07.04** - Initial revision of Supplemental Documentation, Technical Preview 1

## 2. INTRODUCTION

Welcome to Remix Technical Preview 1.

Remix is an open source cryptocurrency, with roots in existing Monero/AEON technology, created with an ultimate goal of privacy and decentralization. The core objective of Remix development centers on continued research to further privacy coin technology and establish itself as a leader in cryptocurrency innovation while soliciting community feedback during the process through an approachable development team.

Remix Technical Preview 1 (TP1) is the first publicly available **testnet** software distributed for the Remix network. The purpose of this release is for any interested party to run the technical preview Remix software on the Remix testnet environment and report any findings or recommended enhancements to Remix developers. Please note that TP1 may not contain all of the features planned for the initial mainnet release.

Submitting bugs and feedback is critical to the success of open source software projects. We highly recommend opening new issues for any comments and concerns you have, or uncover, during the pre-release testing phase of this software.

### 3. RELEASE NOTES

The Remix software is currently under active development and all specifications herein should **not** be considered final. Bugs will occur and issues will be found. All references and listings to software nomenclature, features, specifications, etc. should be considered in flux until launch of the v1 Remix mainnet.

Remix TP1 is released with the following software and features. If you would like to suggest a feature for the official release or a later version, please join us in one of several available discussion forums listed on the official website [www.remixcoin.io](http://www.remixcoin.io).

#### 3.1 REMIX TP1 SOFTWARE

1. remixd: Remix blockchain daemon
2. remix-wallet-cli: Remix command line wallet
3. remix-wallet-rpc: Remix command line wallet for connecting to remote nodes

#### 3.2 REMIX TP1 FEATURES

1. Total Supply: 18.4467<sup>6</sup> [RMX]
2. Target Time: 120 [seconds]
3. Hashing Algorithm: Cryptonight-Heavy
4. Difficulty Adjustment: LWMA-2

## 4. GETTING STARTED

Remix uses separate software applications to handle the remix block chain and a users account; remixd and remix-wallet-cli. Remixd is the daemon software to manage the blockchain while Remix-wallet-cli is the component supplied with the remix software suite which stores the information necessary to privately send, receive, and document transaction history on the remix network.

The focus of this supplement is to get started with the technical preview 1 of the Remix software suite, running on the Remix testnet environment. This document does not detail the steps required for compiling the software from source and assumes the end user is interested in downloading a pre-compiled binary for their environment. Information for compiling Remix is available and controlled under the README.md file provided with the source code.

### 4.1 ACQUIRING REMIX

Remix software, in pre-built binary form, is officially available for download at [download.remixcoin.io](https://download.remixcoin.io). Additionally, remix source code is available for download at [www.gitlab.com/a3rk/remix](https://www.gitlab.com/a3rk/remix).

### 4.2 REMIX SOFTWARE INSTALLATION

1. Create a new folder (or this document, the folder name is assumed to be "Remix-TP1")
2. Move the file downloaded in section 4.1 to the Remix-TP1 folder
3. Extract/Un-archive the contents (three executable files) to the Remix-TP1 folder
  - (a) Linux file nomenclature:
    - i. remixd
    - ii. remix-wallet-cli
    - iii. remix-wallet-rpc
  - (b) Windows file nomenclature:
    - i. remixd.exe
    - ii. remix-wallet-cli.exe
    - iii. remix-wallet-rpc.exe

**NOTE:** The Remix-TP1 folder will be your working directory for the remainder of this document.

## 5. REMIX TESTNET SOFTWARE

The Remix test network is comprised of a collection of computers all over the world running the Remix TP1 software. Running a Remix node is as simple as running the remixd daemon which verifies transactions and blocks. The distribution of nodes, each holding an entire copy of the Remix testnet blockchain, is what enables the Remix test network to be decentralized.

### 5.1 STARTING A TESTNET NODE

1. Open a new terminal (Linux) or start a command prompt / cmd (Windows) to be used for the remixd software
2. Change the working directory to Remix root file location:

```
# Linux Command:
$ cd ~/Remix-TP1/
# Windows Command:
$ cd Remix-TP1
```

3. Start the Remix daemon (remixd):

**NOTE:** The following process will connect you to the Remix testnet.

```
# Linux Command:
$ ./remixd --testnet
# Windows Command:
$ remixd.exe --testnet
```

**NOTE:** The Remix daemon will now begin to sync with the network. After the following message is displayed, continue to the next step:

```
"You are now synchronized with the network. You may now start remix-wallet-cli"
```

### 5.2 CREATING A TESTNET WALLET

1. Open a new terminal (Linux) or start a new command prompt / cmd (Windows) for the wallet software  
**NOTE:** Remixd must remain running (started in the previous step) to utilize remix-wallet-cli
2. Start the Remix wallet software:

```
# Linux Command:
$ ./remix-wallet-cli --testnet
# Windows Command:
$ remix-wallet-cli.exe --testnet
```

3. Follow the onscreen instructions to create a new wallet (example provided below)

```
No wallet found with that name. Confirm creation of new wallet named: RemixTest (Name you choose)
(Y/Yes/N/No): Y
Generating new wallet...
Enter new wallet password: *****
Confirm password: *****
List of available languages for your wallet's seed:
```

0 : Deutsch  
1 : English  
2 : EnglishOld  
3 : Español  
4 : Français  
5 : Italiano  
6 : Nederlands

Enter the number corresponding to the language of your choice: 1

Generated new wallet: a3rkxobSnUeRCZnLbXDrJBbHA4anvQQZhV7HB9p9D46ASTRaBfxt  
gDGiNkqE1wGrBFYcm9iqrfdxoNtcXvA4nWUALg4Uxs6pm86

View key: 63e4746a710878b646e3b95876331b1d10a15954c5c8e648446bc42e97aeab0f

\*\*\*\*\*

Your wallet has been generated!

To start synchronizing with the daemon, use "refresh" command.

Use "help" command to see the list of available commands.

Use "help <command>" to see a command's documentation.

Always use "exit" command when closing remix-wallet-cli to save your  
current session's state. Otherwise, you might need to synchronize  
your wallet again (your wallet keys are NOT at risk in any case).

NOTE: the following 24 words can be used to recover access to your wallet.

Write them down and store them somewhere safe and secure.

Please do not store them in your email or on file storage services outside  
of your immediate control.

bids intended cousin shackles lectures cactus zippers major  
owls jolted faulty fuselage soapy aquarium furnished igloo  
reinvest wrap jaunt ankle oozed daytime bugs dawn

\*\*\*\*\*