



User Guide

Version 1.2





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Introduction

VX-Lock Pro is a comprehensive encryption utility based on the best PKI technologies using Elliptic Curve Cryptography (ECC) and Advance Encryption Standard (AES). It provides easy-to-use encryption functions to prevent your confidential files and Crypto & NFT assets from being viewed or hacked by unauthorized person(s).

Cold Wallet

- **Accounts**

Accounts section allows you to manage your cold wallet accounts. Here you may add, edit or delete your wallet account.

- **Send**

Send section allows you to send crypto currency from your cold wallet account to any other crypto wallet account.

- **Receive**

A QR Code will be generated with your wallet address, amount and remarks so that you may share the QR Code and ask your friends to scan and deposit crypto currency to your account.

- **History**

History of your wallet transactions will be displayed along with date of transaction, currency type and amount.

- **Manager**

Manager allows you to manage your wallet accounts. You may import wallet accounts that you exported using **VX-Lock Pro** App or you may export your wallet accounts and save it in safe place as a backup.

File Security

- **Key Exchange**

Key exchange is the process where you will share your public key and profile with your friends who are **VX-Lock Pro** users.

- **File Encryption and Decryption**

Encrypt and decrypt any type of file format(s) in your computer. You can encrypt files for your own viewing or to be viewed by person(s) that you have authorized.

- **File Cloaking and Decloaking**

File cloaking adds an extra layer of security apart from using encryption alone. It hides your files behind an ordinary-looking file such as pictures, sounds and videos, therefore, bypassing unsuspecting interceptor(s).



- **Shredder**

Normal file deletion does not execute permanent file deletion like deleting file via windows recycle bin. Those files can be retrieved by using forensic software or data recovery applications. On the other hand, **VX-Lock Pro** secures deletion by permanently deleting the files.

- **Disk Wipe**

Disk Wipe performs a low-level overwriting into the free sectors of your hard disk. Disk Wipe acts as an additional protection against data recovery software that might be able to recover files that have been shredded alone.

- **Clipboard**

Clipboard allows you to encrypt/decrypt which you copied to it. This feature is extremely useful when you want to share a text message via instant messaging apps such as WhatsApp, WeChat, Telegram, KakaoTalk, Line and Zalo to your friend securely.

VX-Lock Pro employs encryption technology based on approved algorithms by world cryptography community and **FIPS** (Federal Information Processing Standard) of the US, which are **ECC** (Elliptic Curve Cryptography) for key agreement and **AES** (Advance Encryption Standard) for encryption. Besides that, we also use our own **PKID** technology (Patent Pending - PI20031745) for greater security.



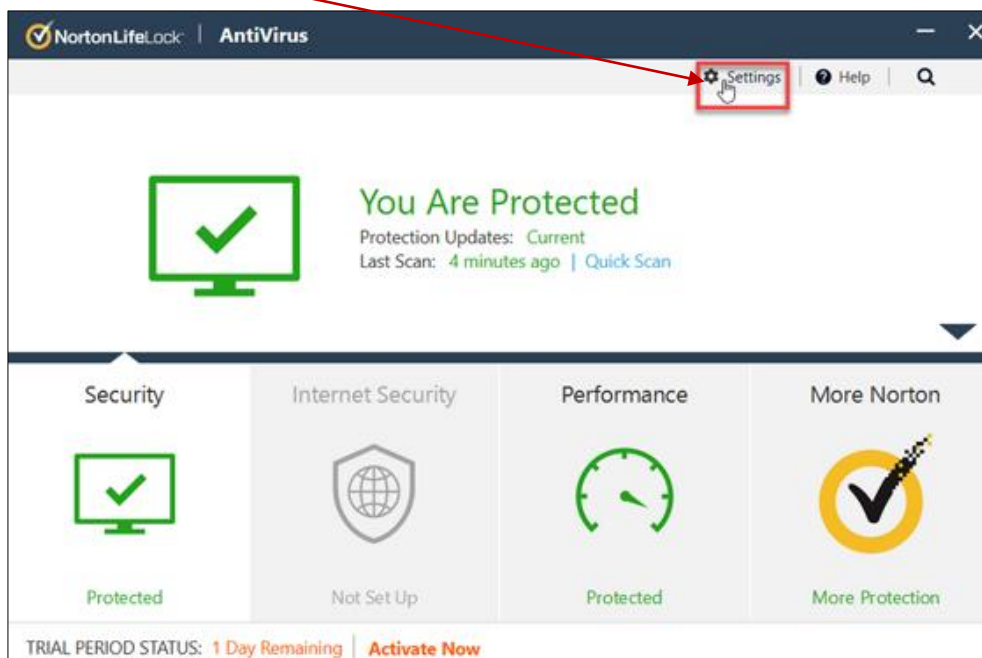
Registration

If you just installed the app freshly, you need to register yourself so that your public key can be generated for yourself and shared with your friends.

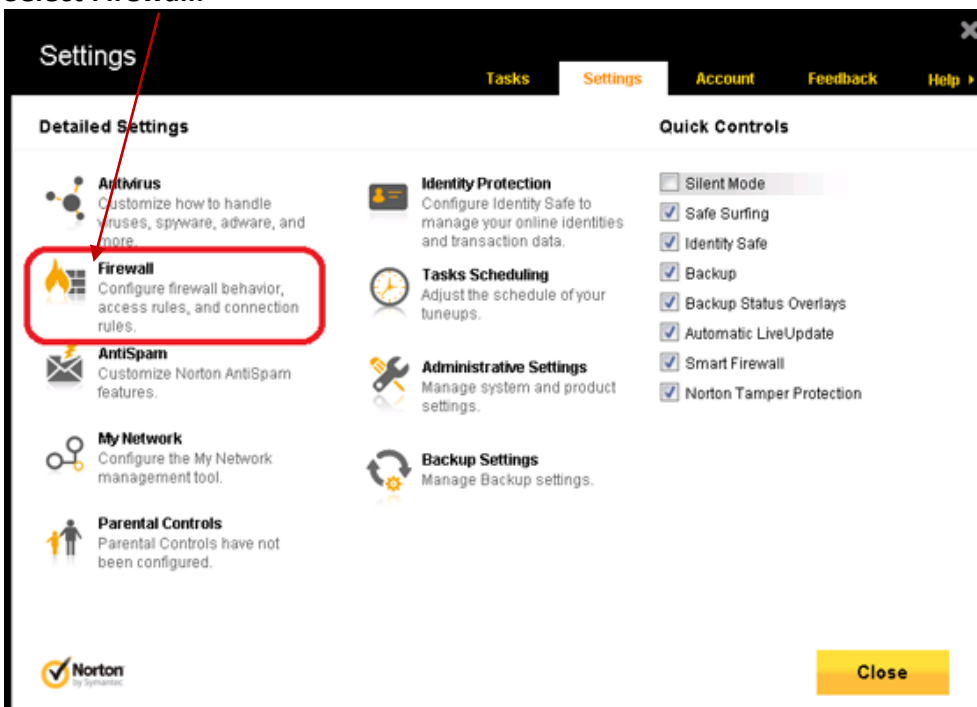
Allow VX-Lock in your Firewall software

After installation, execute your Firewall software in order to allow VX-Lock. (The following is from the case of Norton.)

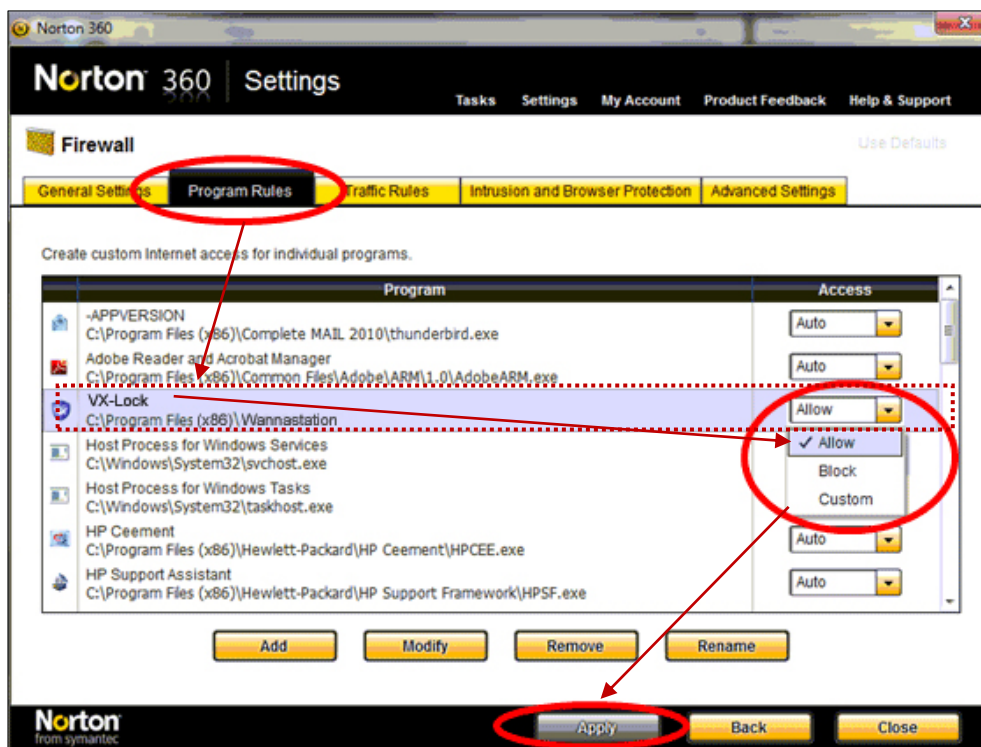
First, enter the Settings.



Select Firewall.



Search “C: /Program Files(x86) /Wannastation”, allow VX-Lock, and apply it.



Registration – Step One

Enter your Name and email address. Note that an email address is mandatory and you must enter a valid email address. OTP will be sent to your email address. After filling in the name and email address, click on “Send OTP” so that server can send you the OTP to your email address.




Registration – Step Two

You will receive the OTP in your mail box. Please, check your Spam/Junk folders also. Enter the OTP and click on “Next” button.



Register

×

 **VX-Lock**

Please register to continue.

Step two of three

Your OTP (One Time Password) has been sent to your email id **demo.three@vx-lock.com**. Check your Spam/Junk box as well.

Demo User Three

demo.three@vx-lock.com

•••••

Back


Next

Registration – Step Three

Fill in your mobile number and choose your desired access code (minimum length should be eight characters) and click on “Register” button to complete your registration process.

Register

×

 **VX-Lock**

Please register to continue.

Step three of three

Demo User Three

006145678903

demo.three@vx-lock.com

•••••

•••••

Cancel

Register



Login

Enter your access code and click on “Login” button.

Check the box “Remember access code for this session” so that it won’t prompt you to enter your access code for Decrypting and Decloaking processes.

The screenshot shows a window titled "VX-Lock Login" with a close button (X) in the top right corner. The background is dark blue. At the top center is the VX-Lock logo, which consists of a shield icon with a stylized 'V' and 'X' inside, followed by the text "VX-Lock". Below the logo, the text "Please login to continue." is displayed. Underneath, there is a text input field containing the email address "demo.three@vx-lock.com". Below the email field is a password field represented by a series of dots. A checkbox labeled "Remember access code for this session" is checked. At the bottom, there are two buttons: "Login" and "Cancel".

If the entered access code is correct, it will take you to the OTP verification by reading secure QR Code with VX-Lock mobile app.

The screenshot shows a window titled "VX-Lock Authentication" with a close button (X) in the top right corner. The background is dark blue. At the top center is the VX-Lock logo. Below the logo, the text "Scan this QR code using VX-Lock mobile app and enter the OTP" is displayed. In the center, there is a square QR code. Below the QR code, there is a text input field labeled "Enter OTP". At the bottom, there are two buttons: "Verify" and "Cancel".

Login to your mobile application and click on “Scan QR Code”.

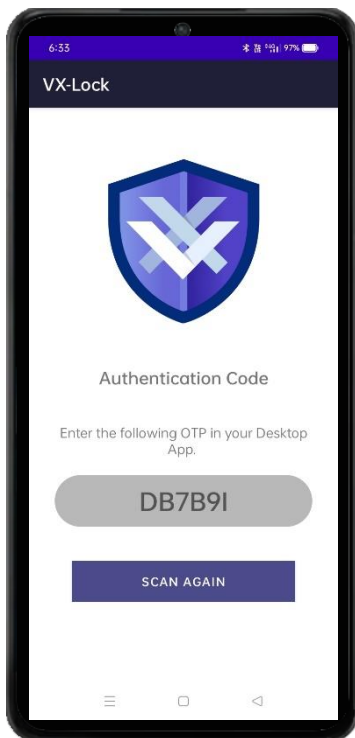


Focus on the QR Code displayed on desktop.

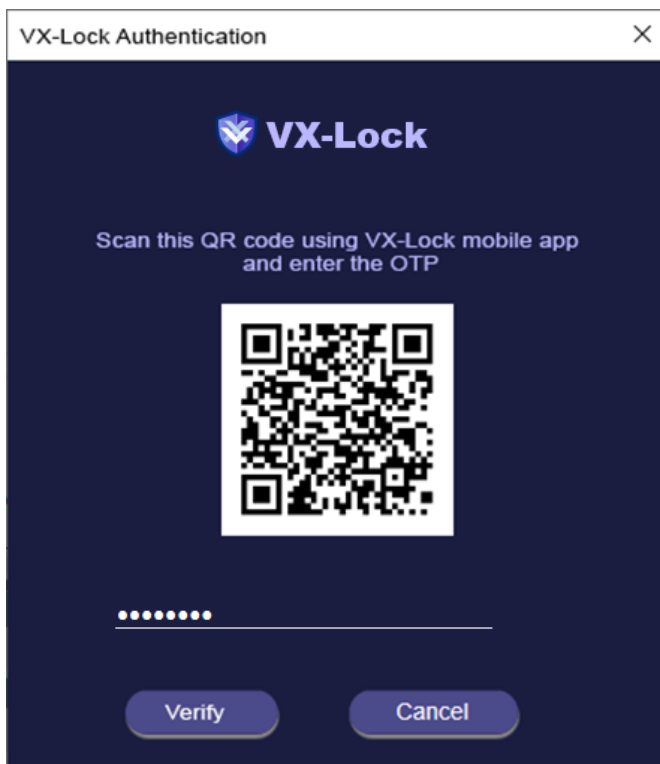




After the successful scan, OTP will be displayed on screen.



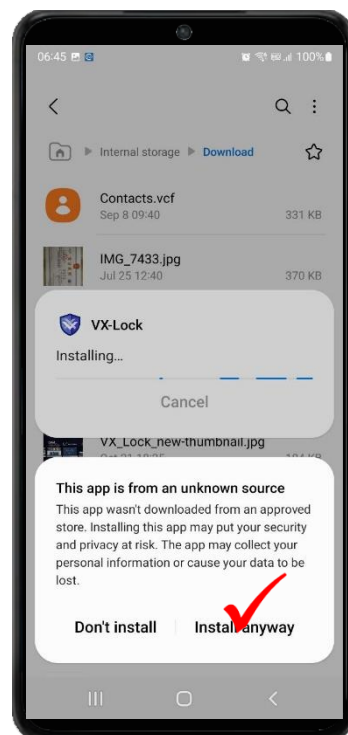
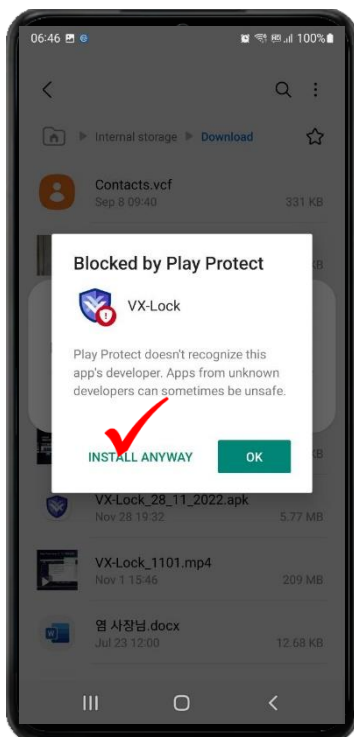
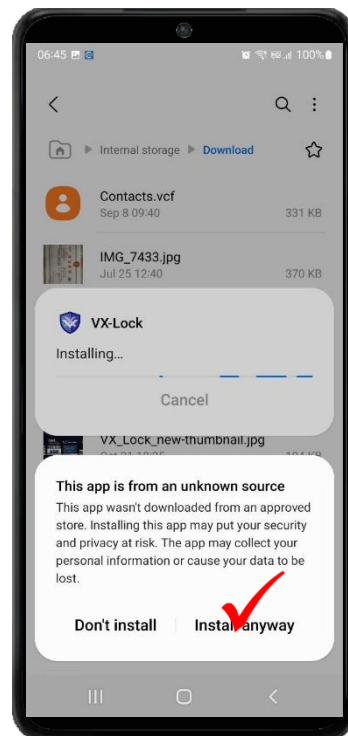
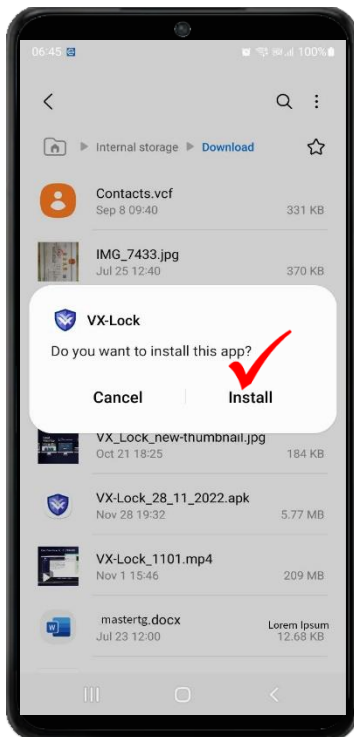
Enter the OTP in desktop app and click on “Verify” button. Then, it will take you to next screen.

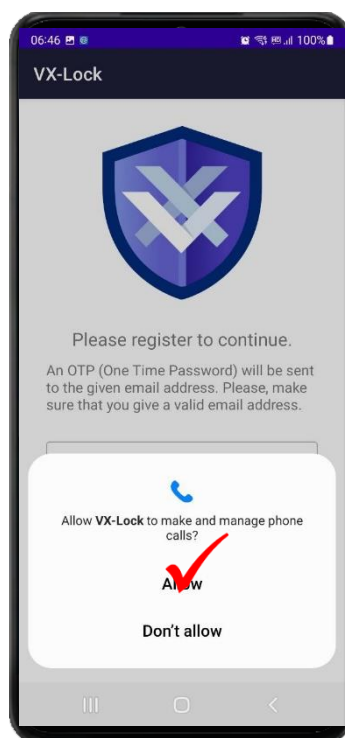
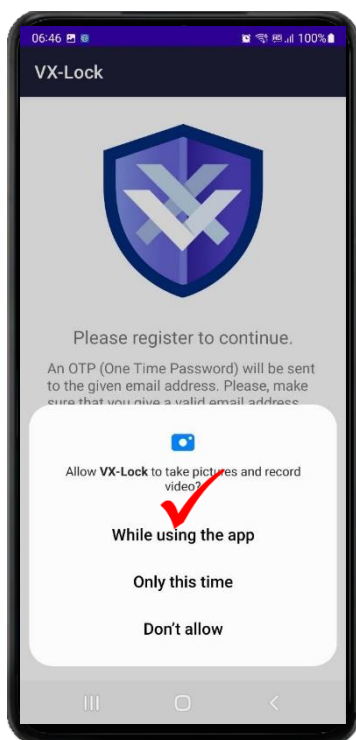




How to install?

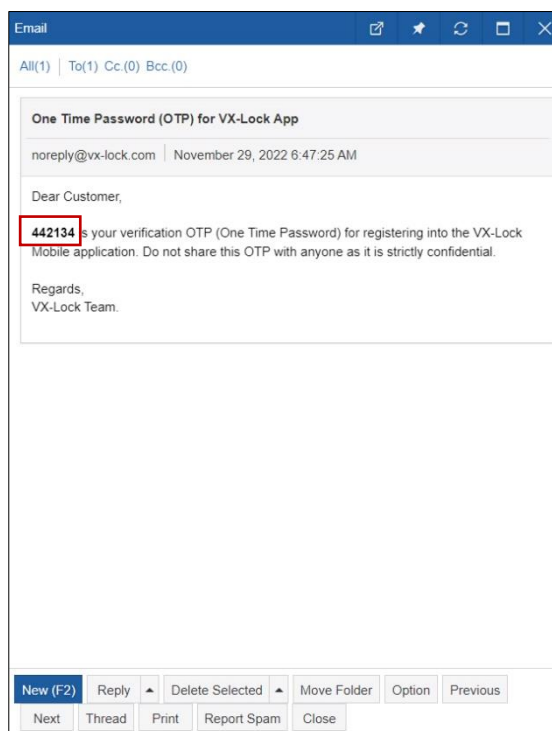
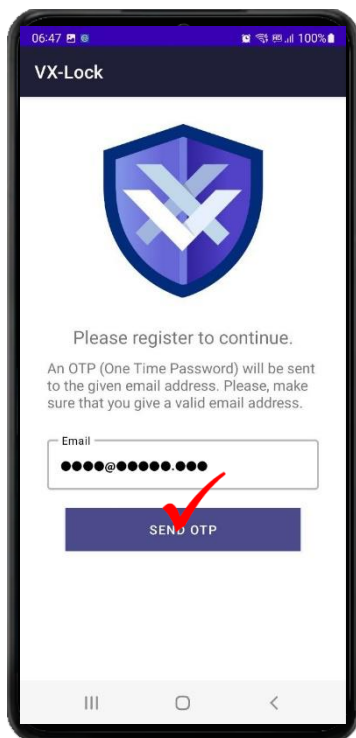
First of all, download the App from the official website, www.vx-lcok.com. Then, install the App on your smartphone like the following.





Send OTP

Input your email address, and click on SEND OTP button. Then, OTP will be sent to your email account.





Submit OTP & Register

Input the OPT and submit it. And enter your own access code and register.

VX-Lock

Please register to continue.
Your OTP (One Time Password) has been sent to your email id . Check your Spam/ Junk box as well.

Email
.....@.....

Enter OTP
.....

SUBMIT OTP



VX-Lock

Please register to continue.

Email
.....@.....

Choose Access Code
.....

Confirm Access Code
.....

REGISTER



Login & Scan QR Code

Login by entering Access Code and click on SCAN QR CODE button to scan the secure QR Code.

VX-Lock

Please, login to continue.

Email
.....@.....

Access Code
.....

LOGIN

Forgot access code



VX-Lock

SCAN QR CODE

LOGOUT

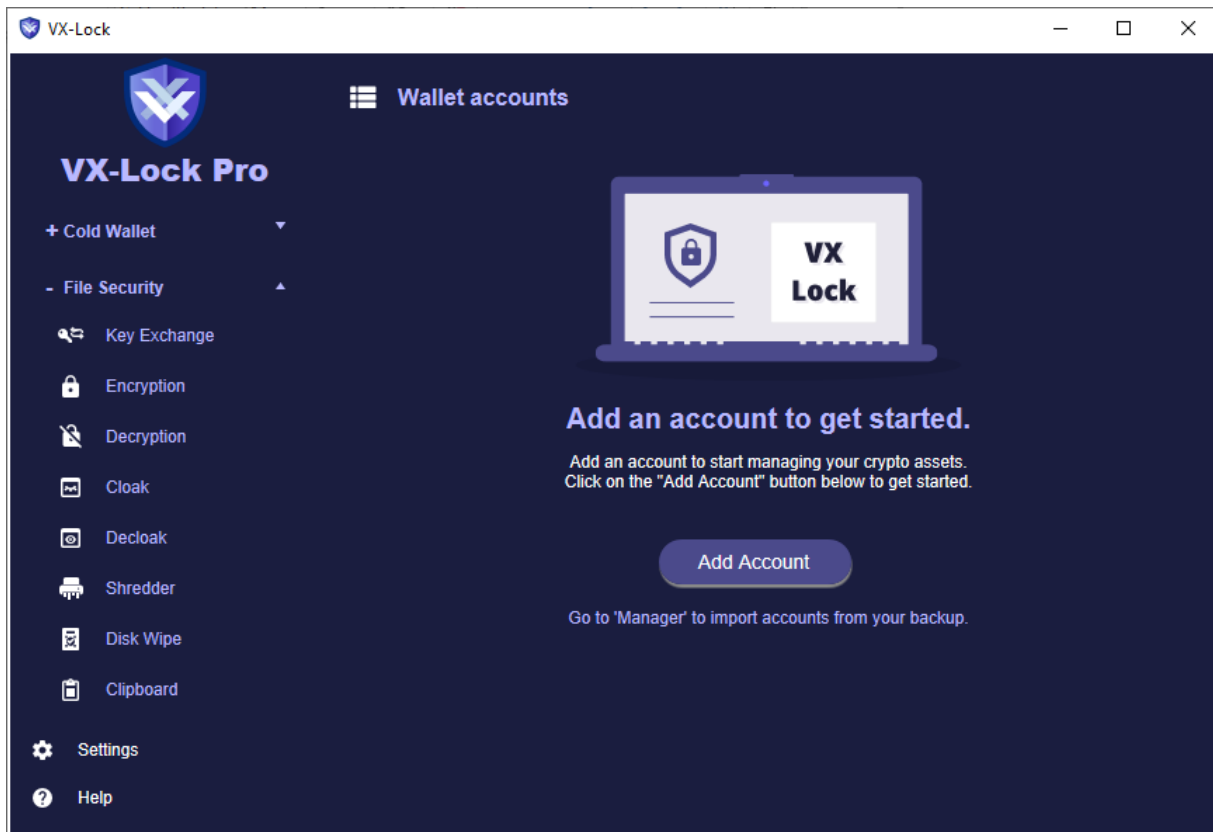
Change Access Code





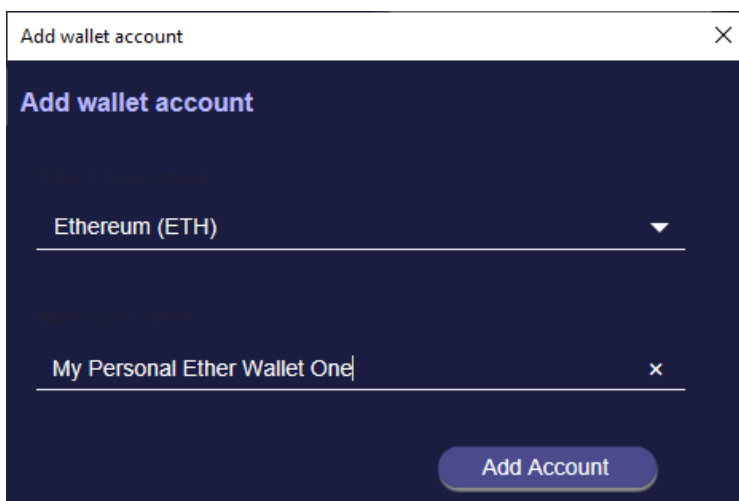
Wallet Accounts

You need to create wallet accounts first in order to do any transactions. Click on “Add Account” button to create a new account.




Add Account

Select the crypto currency from the drop-down list and enter your desired name of wallet as shown below. Click on “Add Account” to create another new wallet account for you.



Once the wallet account created, the ‘Wallet Accounts’ page appears as below.

Click on Copy icon  to copy the wallet address.

Click on Edit icon  to edit wallet name.

Click on Delete icon  to delete the wallet.



VX-Lock Pro

- Cold Wallet

Accounts

Send

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History

Manager

+ File Security

Settings

Help

Wallet accounts

Add Account

Q

Date range

Today

Sort by

High balance

	Ethereum (ETH) My Ether Wallet Two	6.270349999999706	15-09-2022 19:49:05			
	Ethereum (ETH) My Ether Wallet One	4.241007999999853	16-09-2022 21:28:48			
	Bitcoin (BTC) My Bitcoin Wallet Two	0.00	-			
	Litecoin(LTC) My Litecoin Wallet Two	0.00	-			
	Bitcoin (BTC) My Bitcoin Wallet One					
	Litecoin(LTC) My Litecoin Wallet One Updated					



Send

You may send crypto to your friends using this function. Simply select the account from which you would like to debit, enter the amount and wallet address of the recipient, and you may add optional remarks. Click on 'Send Now' button to send funds to your friend.

VX-Lock Pro

- Cold Wallet

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Help

Send crypto

Select account to debit from

My Ether Wallet Two - Ethereum (ETH)

Enter amount

1

Enter recipient wallet address

0x0d5fdc010179840fa235ba359cbac047bac625ef

Note / Remarks

To Mr. Yeom

Send Now

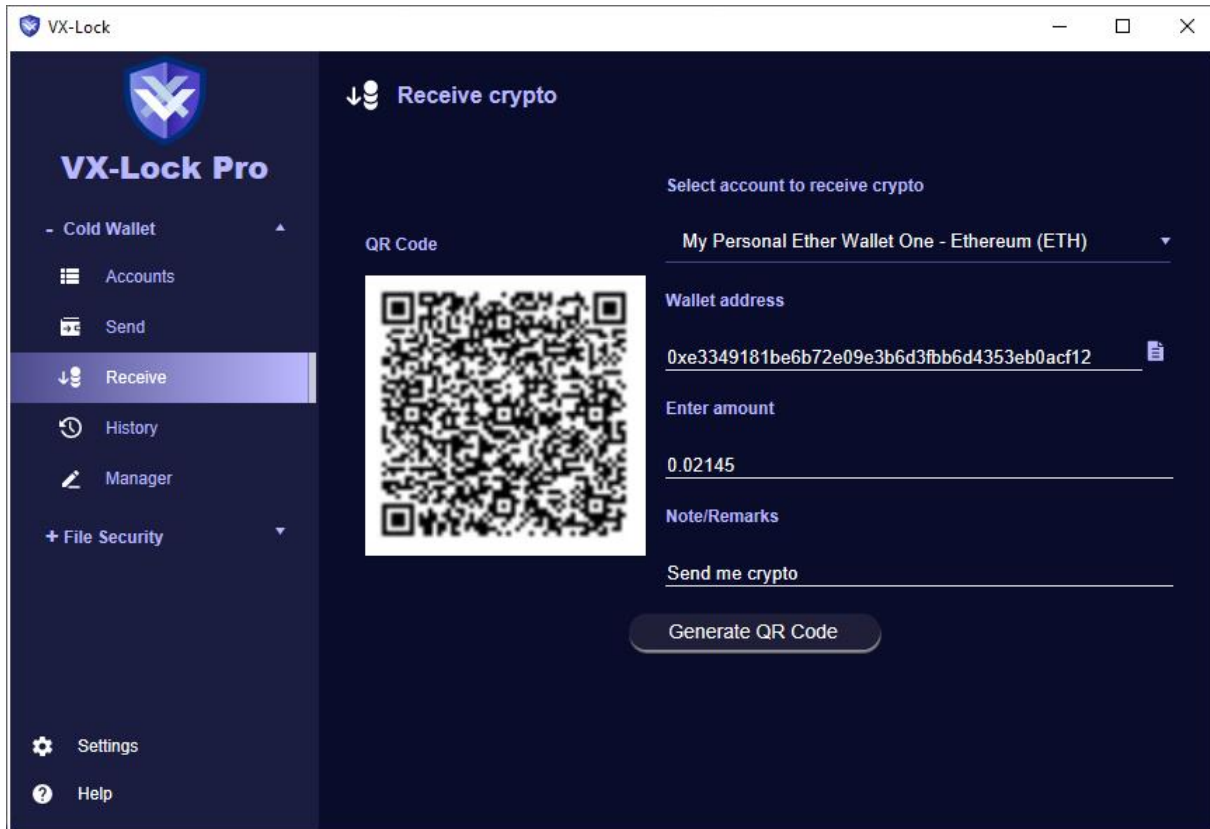
Once the transaction submitted to the block chain server, you will be prompted with a message like below. Your friend will receive the funds depending on the processing time taken by block chain server.





Receive

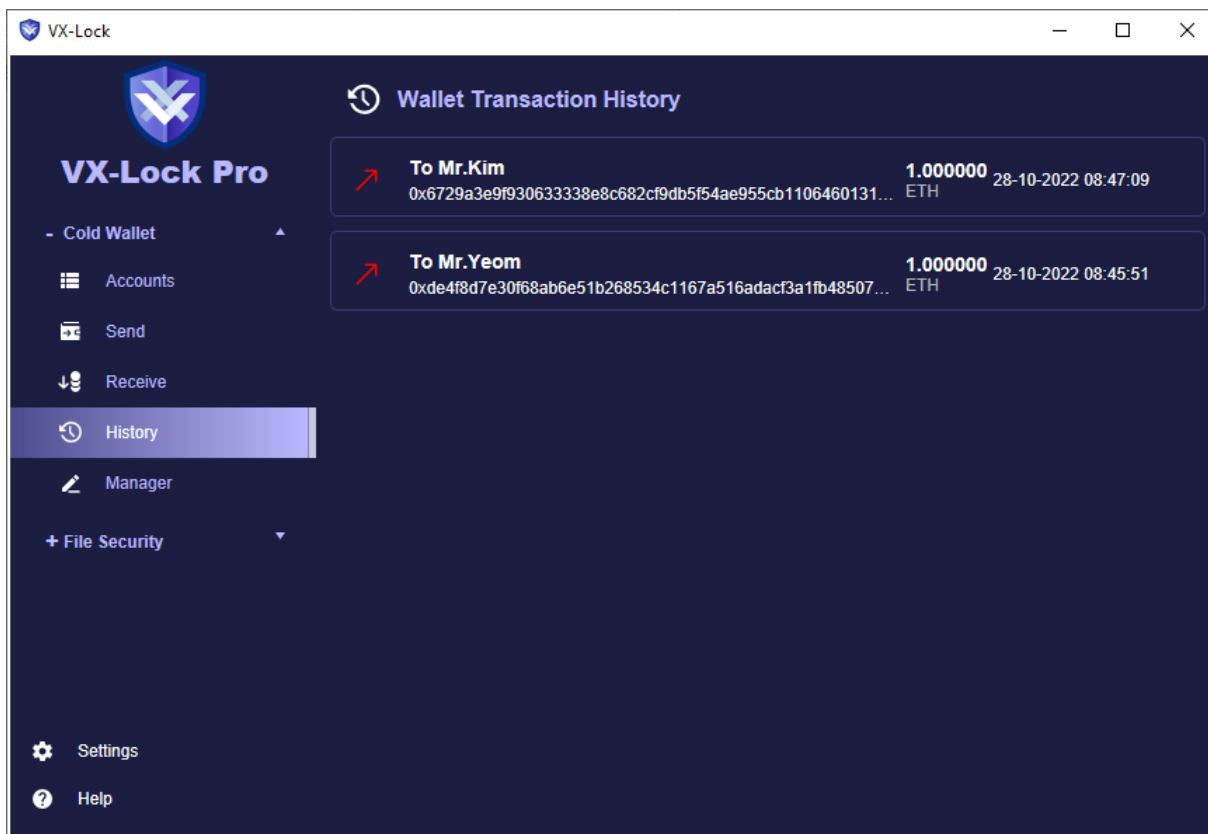
Select the wallet from the list, enter the amount, and add remarks if any, then click on “Generate QR Code” button. This will generate the fresh QR code which you may capture and share it with your friend. Your friend may simply scan the QR code to send you crypto. Once you receive the crypto, your wallet will be updated with the latest available balance.





History

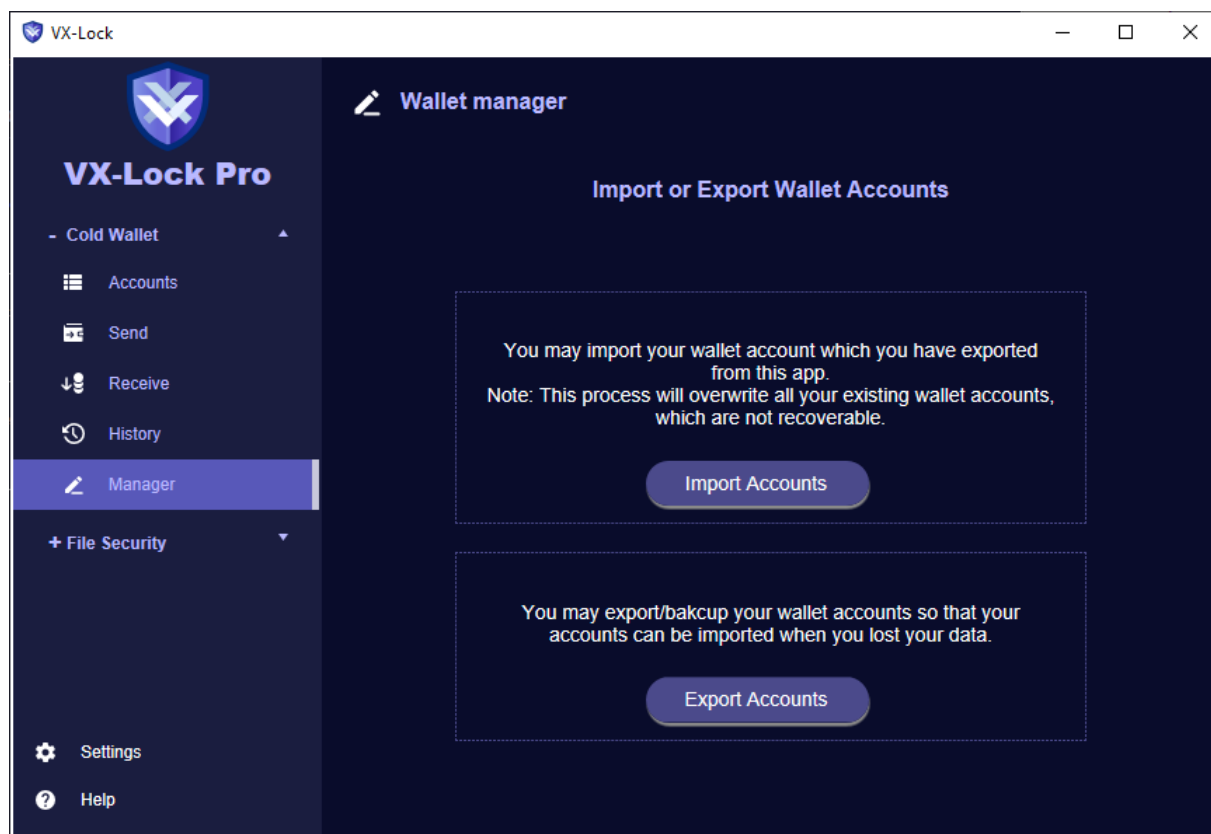
History displays transactions history of the wallet. It will display all the outgoing transactions from your wallets.





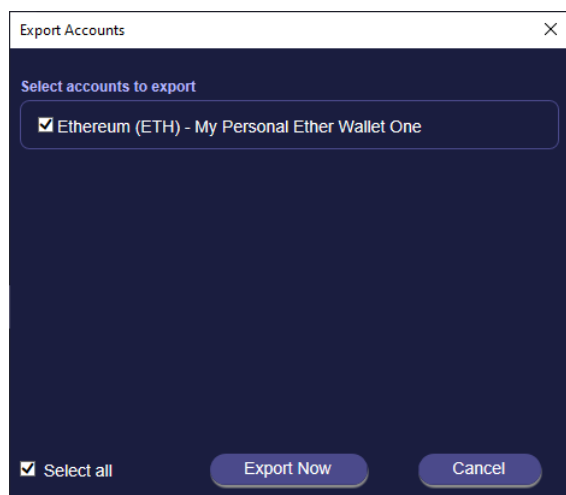
Wallet Manager

Click on “Import Accounts” button to import the wallet accounts, which you have exported earlier using **VX-Lock Pro** App. You need to select the file to import from your wallet accounts. Note that accounts with the same wallet address will be over written.



Click on “Export Accounts” button to export your wallet accounts. This will help you to save your wallet accounts in a safe place. You may export your accounts to a USB Drive or PenDrive and keep in a safe locker.

Once you click on “Export Accounts” button, a window will pop up with the list of all the accounts you have. You need to select all or some of the accounts to export. Click on “Export Now” button once you finish selecting accounts. You will be prompted to choose the location/path where you would like to save the exported file. Choose the secure folder (for ex: a folder inside an USB Drive or PenDrive), and then the accounts will be exported.





Key Exchange

Key Exchange is the first process of utilizing **VX-Lock Pro** App. It is to communicate securely with other **VX-Lock Pro** users. You need a copy of their public key and they need yours. Your public key is just a block of text, so it's quite easy to share your keys with someone. A list of all your friends with whom you have exchanged your public key will be displayed here.

First, export your public key. **VX-Lock Pro** will export your public key to a file of **xxxxxxxx.pkid** which you can send via e-mail by attaching it or you can transfer it using a **thumb drive**. Once the recipient receives the key, she or he will import your public key.

Import allows you to import your friends' public key and profile shared through file.

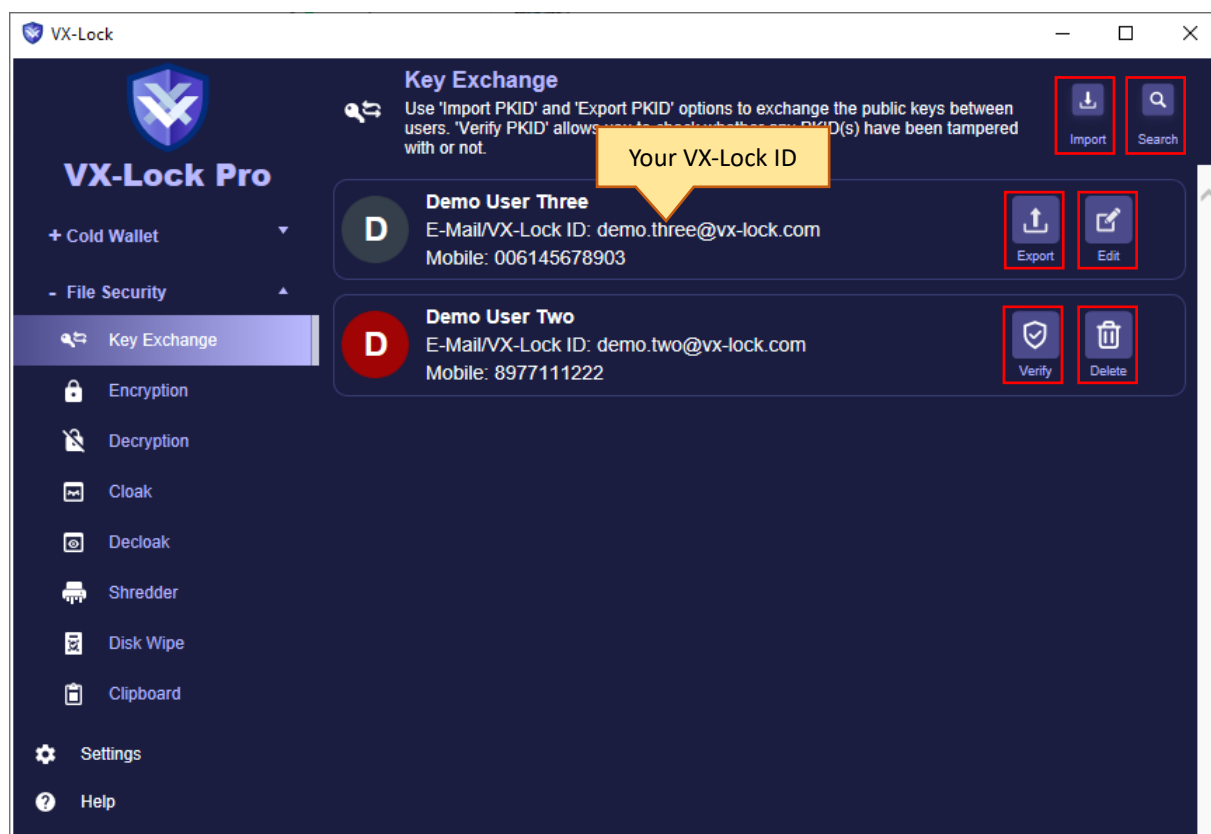
Search allows you to search for your friends' **VX-Lock Pro** ID and import their profiles directly. This process requires internet connection.

Export is used to export your public key and profile to a file which you can share it with your friends.

Edit allows you to edit your profile except for your email address.

Verify allows you to check if the public key of a particular user tampered with or not.

Delete is used to delete the profile & public key of you friend that you selected.



To export PKID:

1. Click on “Export” button on the Key Exchange page.
2. Select the folder location to export the PKID (public key) & Profile.
3. Share the PKID (public key) file (xxxxxxxx.pkid) with your friends.

To Import PKID:

1. Click on “Import” button on the Key Exchange page.
2. Select the received public key and click on “Open” to import PKID.
3. Your friend's profile will be imported and the same will be updated in the Key Exchange page.



To Delete the PKID:

Click on “Delete” button which is next to your friend’s profile which you want to delete. A confirmation message box will be displayed and click “Yes” button to confirm deletion.

To Verify the PKID:

This function is to verify the PKID, and ensure that the PKID was not tampered with. Click on the “Verify” button next to the friend’s name to verify PKID.

Search & Import:

Enter your friend’s **VX-Lock Pro** ID and click on “Search” button, it will display your friend’s profile below, check the name and mobile number and if they are okay click on “Import” button to import your friend’s PKD & Profile.

Search

Enter your friend's VX-Lock ID and click on 'Search' button.

Search

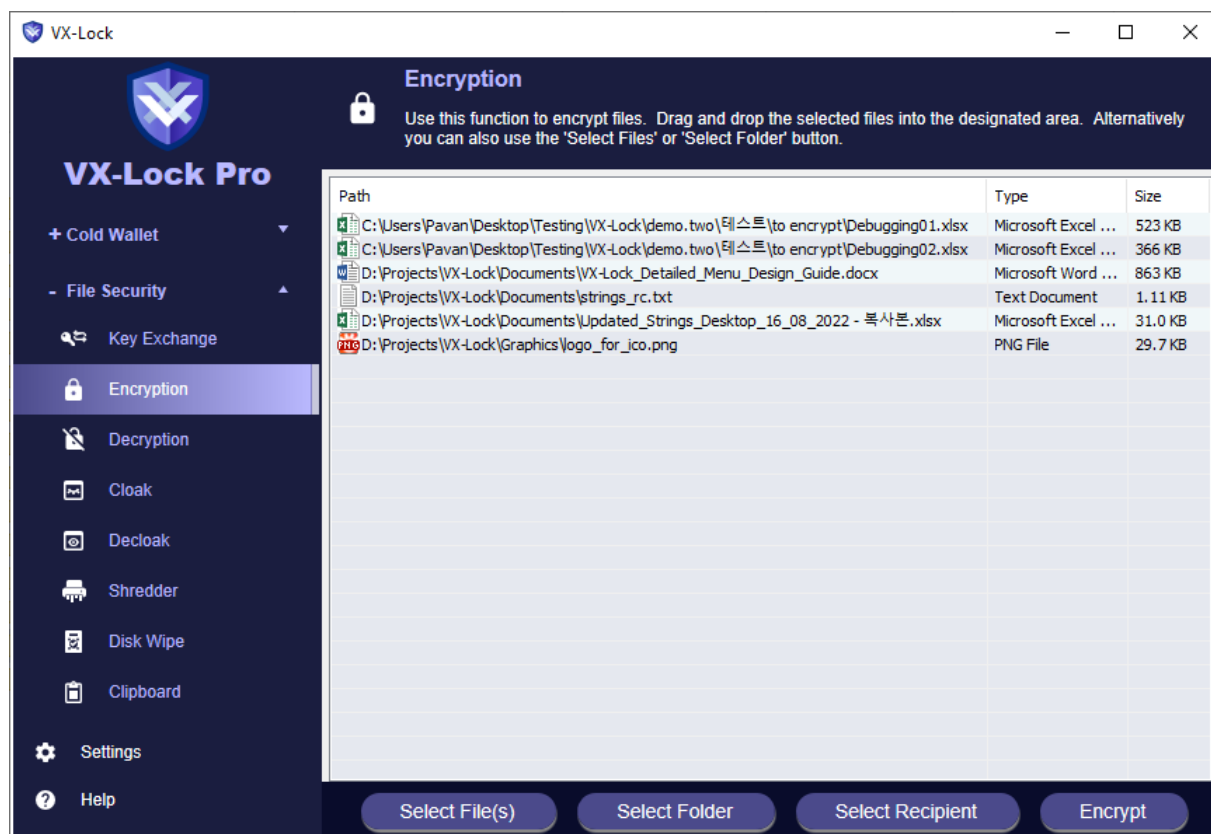
***Note: Ask your friend to share his/her VX-Lock ID to you so that you both can communicate securely each other

Import Exit



Encryption

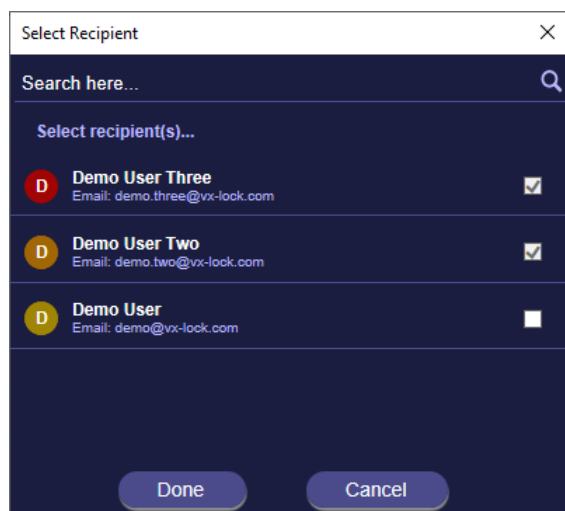
Encryption is a process to cipher(scramble) the contents of your file in a way that render it to be meaningless if opened by an unauthorized person(s). By encrypting a file, you change the matrix of its original form until it is decrypted by yourself or the person(s) that you have authorized to do so.



You may choose either one of the followings to encrypt the file(s) or document(s):

1. Drag and drop the file(s) or document(s) into the **VX-Lock Pro** interface page; or
2. Click on “Select File” button to browse and select the file(s) or document(s); or
3. Click on “Select Folder” button to browse and select the folders.

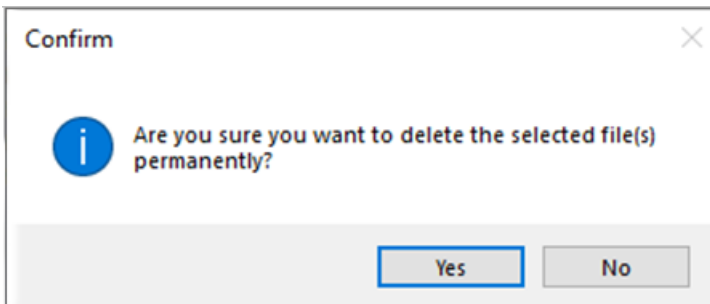
Now, click on 'Select Recipient' button to select the recipient(s).





After selecting the recipient, click on “Done” button.

Now, click on “Encrypt” button to encrypt selected file(s) or folder(s) to your selected recipient list. After the successful encryption, you will be asked whether to delete the original file(s) or not. Click on the 'Yes' button to delete original file or click on 'no' button to skip deleting the original file(s).



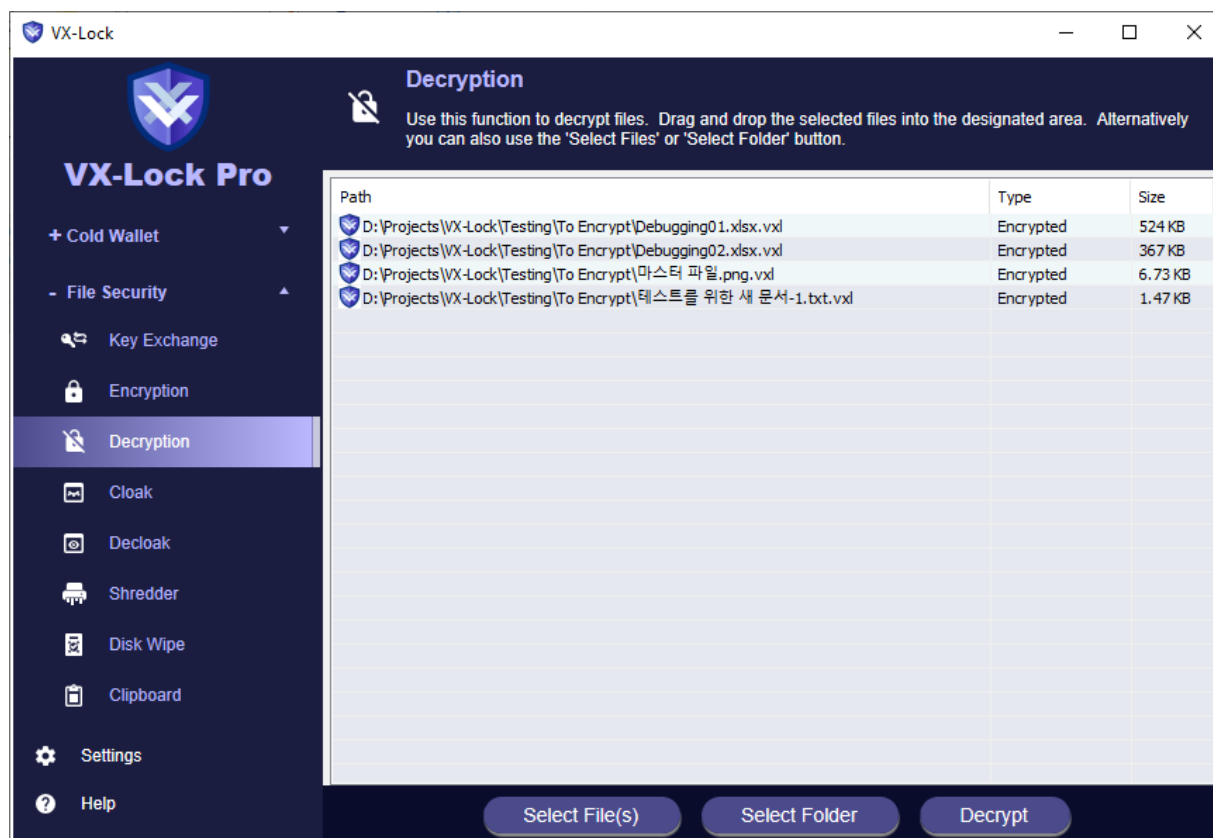
All the encrypted files will be saved into the same location where you have selected originally from.

Now, you may share the encrypted files to your recipients using email application or any other messaging applications.



Decryption

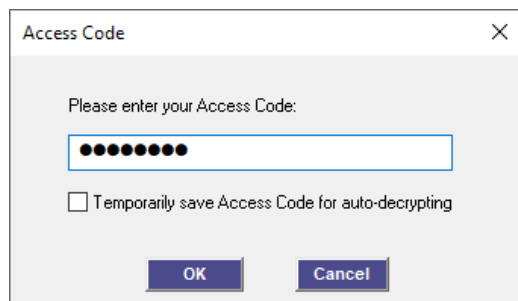
Decryption is a process to decipher encrypted contents of your file. You can only decrypt file(s) that have been encrypted for you, either by yourself or by other **VX-Lock Pro** user(s).



You may choose either one of the followings to decrypt the file(s) or document(s):

1. Drag and drop the file(s) or document(s) into the **VX-Lock Pro** interface page; or
2. Click on “Select File” button to browse and select the file(s) or document(s); or
3. Click on “Select Folder” button to browse and select the folders.

Click on “Decrypt” button to decrypt the files. You will be prompted to enter your access code. Enter the correct access code to decrypt the file(s).



Note: If you have checked the 'Temporarily save access code for auto decrypting' during login, then you will not be asked to enter your access code.



Cloak

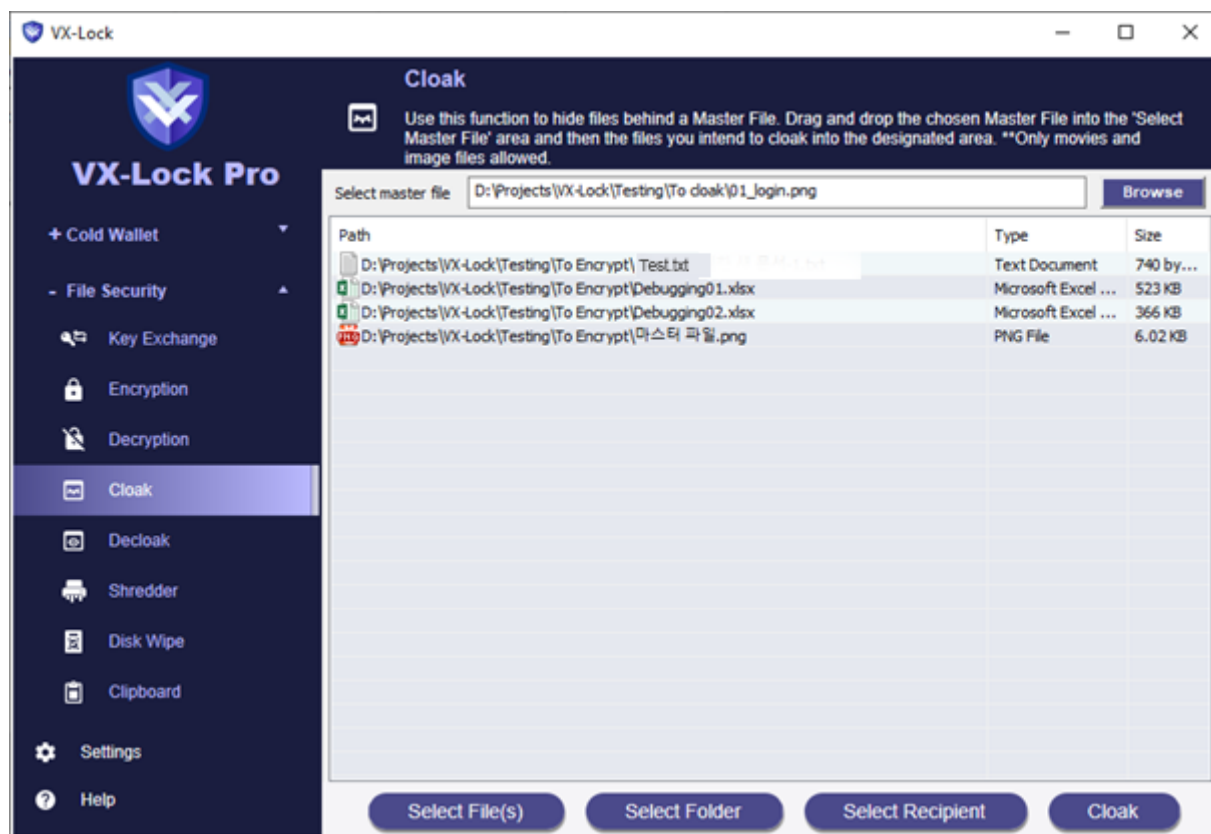
Cloaking is a process of encrypting and hiding files into another file (Master File). It adds an additional layer of security above the encryption because the cloaked file(s) may pass unnoticed by an unsuspecting eavesdropper.

To cloak the file, the user needs to select the master file:

Click on “Browse” button on the “Cloak” interface page and select the file.

Select master file

*** Only image and movie file(s) are allowed as the Master File.**



You may choose either one of the followings to cloak the file(s) or document(s):

1. Drag and drop the file(s) or document(s) into the **VX-Lock Pro** interface page; or
2. Click on “Select File” button to browse and select the file(s) or document(s); or
3. Click on “Select Folder” button to browse and select the folders.

Select a master file to cloak, and click on “Select Recipient” button to choose the recipient by the “Check Box” on the Recipient list.

After selecting the recipient, click on “Cloak” button to cloak the file(s). You will be asked whether to delete the original files or not. Click on the 'Yes' button to delete original file(s) and click 'No' to skip the process.



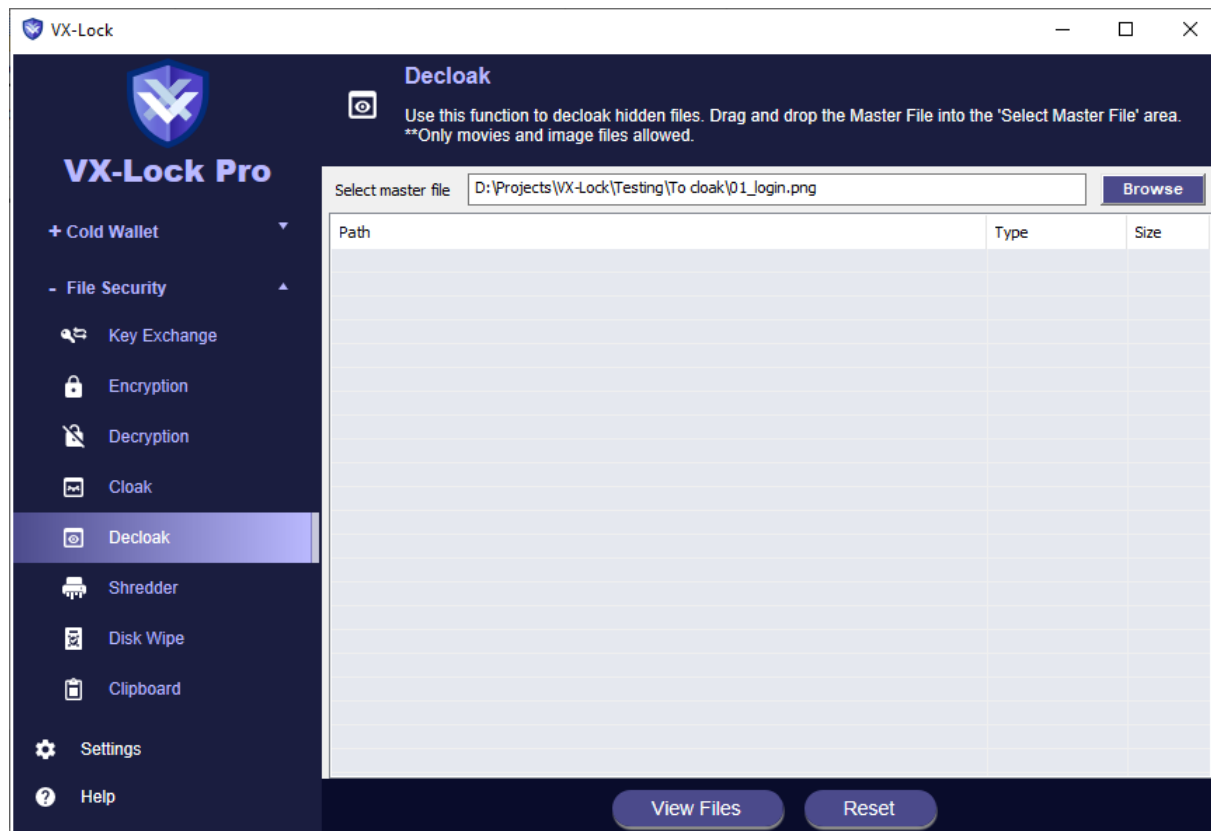
Decloak

Decloaking separates the hidden file(s) back from the cloaking process. As with decrypting, you must be the person that was intended to decloak the file(s).

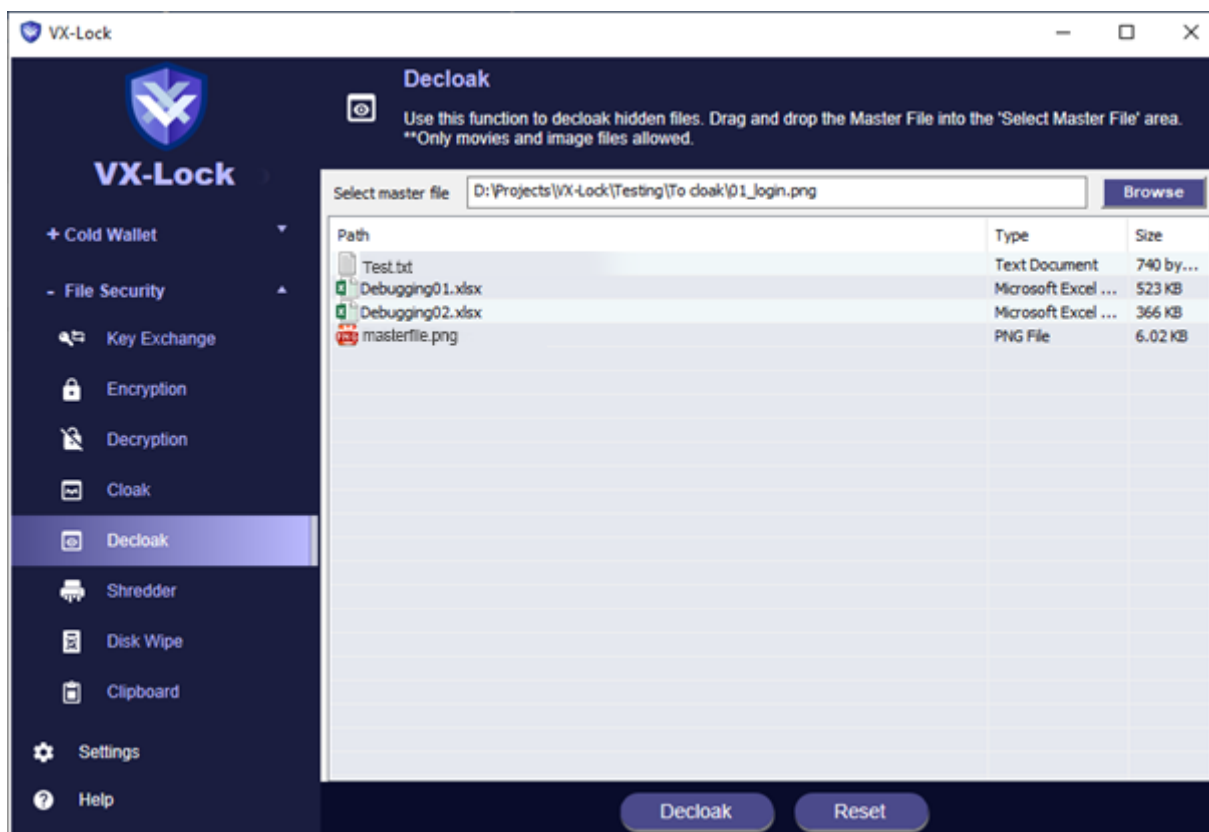
You can choose either one of the followings to decloak the file(s) or document(s):

1. Drag and drop the “master file” into the **VX-Lock Pro** Decloak interface page; or
2. Click “Browse” button to browse and select the file.

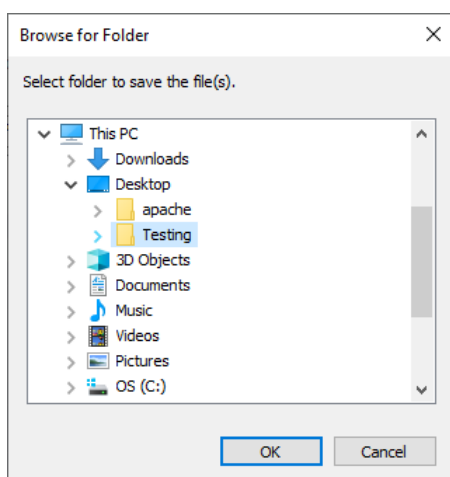
Now, click on “View Files” button to see what are the file(s) hidden under the selected master file.



If a valid master file has been selected, then it will display the list of files hidden under the master file.

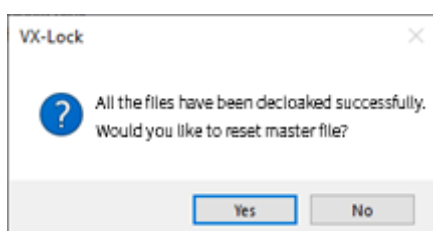


Click on “Decloak” button to decloak the files hidden under the master file. Select the folder where you would like to save the decloaked files.



If you have entered valid access code and you are authenticated to decloak, then the files will be decloaked to the selected destination folder.

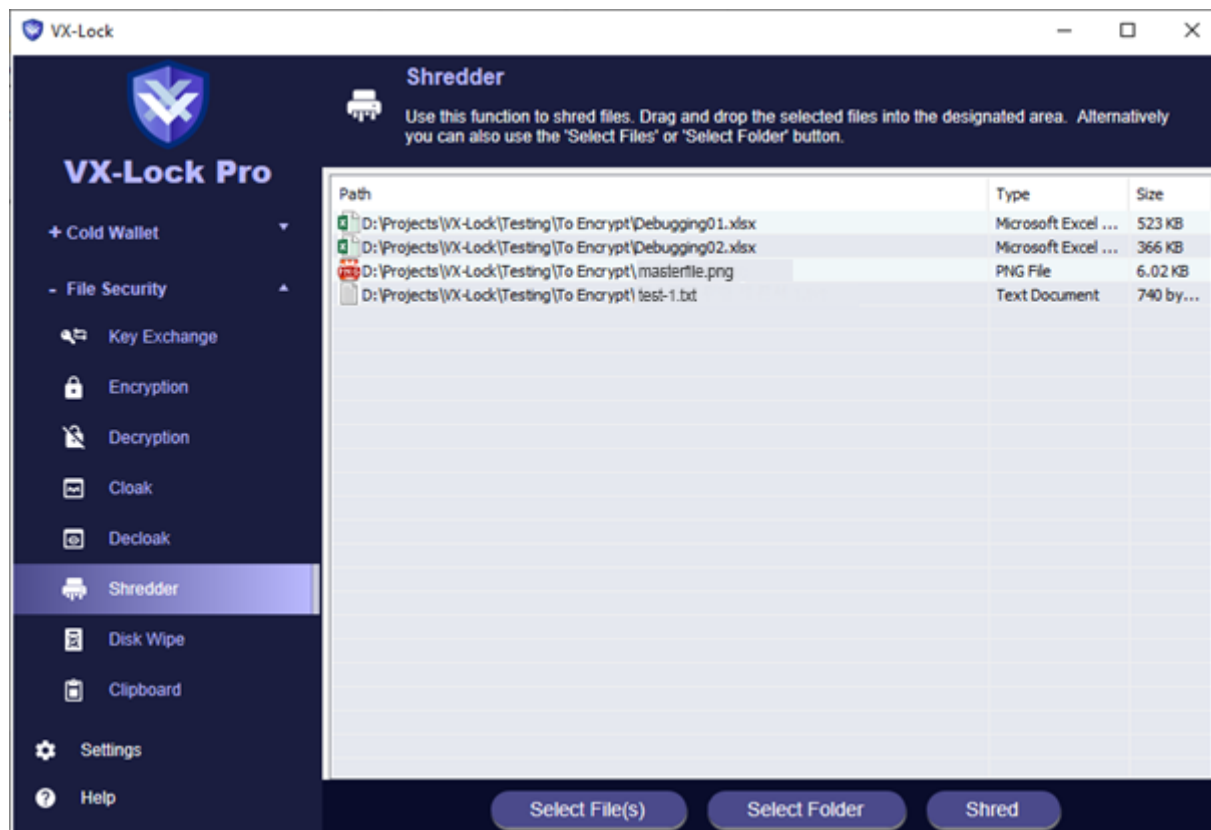
A message will be prompted for you to select the option to reset master file. By clicking on “Yes” button, master file will be reset to normal file. “No” will keep the master file as it is.





Shredder

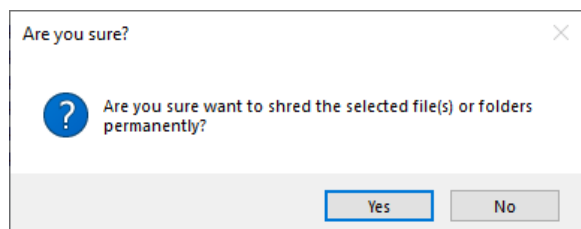
File(s) that you have deleted and gone into Windows Recycle Bin can be retrieved. They still can be recovered by forensic softwares or data recovery applications, even after emptying the recycle bin. With **VX-Lock Pro** Shredder, you can erase these files with complete assurance that they won't be easily recovered. **VX-Lock Pro** garbles the file contents before erasing them from the file system. On top of that, **VX-Lock Pro** performs erasures at the sector level.



You may choose either one of the followings to shred the file(s) or document(s):

1. Drag and drop the file(s) or document(s) into the **VX-Lock Pro** interface page; or
2. Click on “Select File” button to browse and select the file(s) or document(s); or
3. Click on “Select Folder” button to browse and select the folders.

And click on “Shred” button to securely delete the selected files. Make sure that you have selected correct files and click on “Yes” button to confirm delete the files permanently.

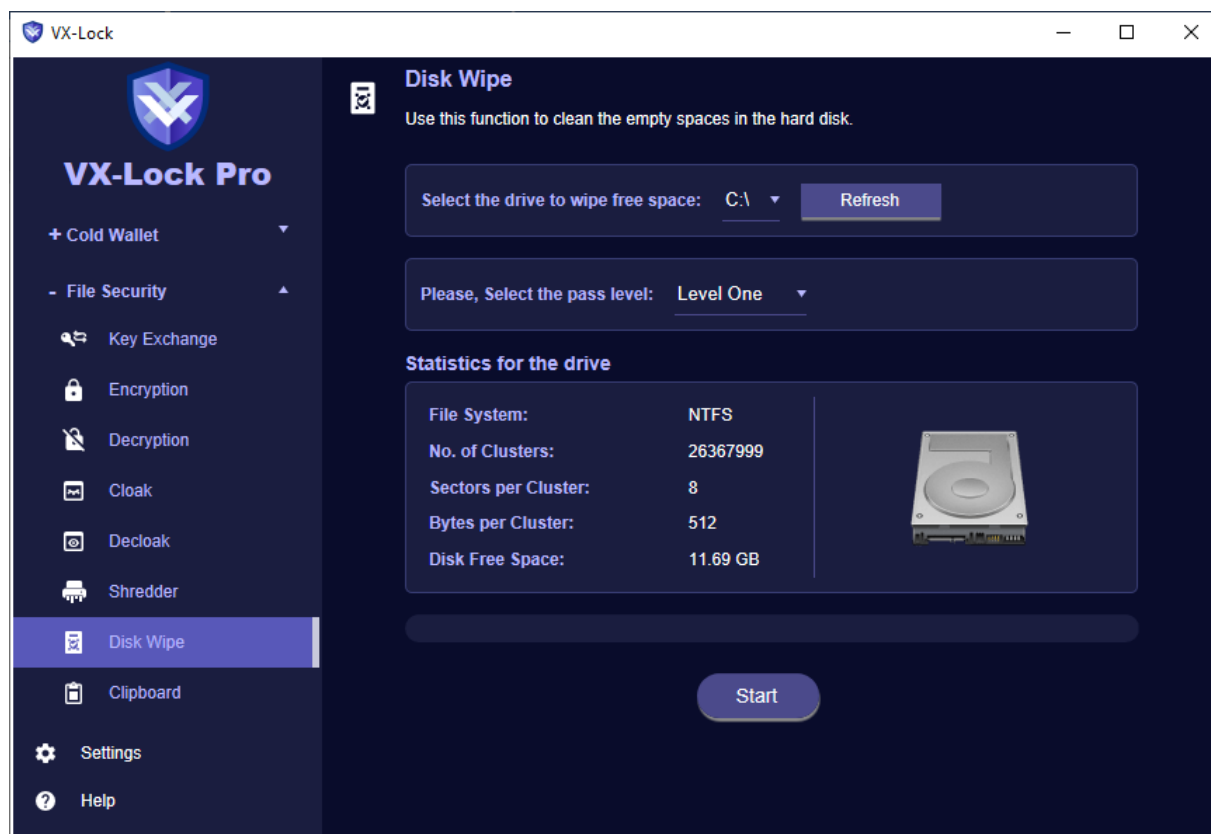




Disk Wipe

Disk Wipe performs a low-level writing into the free sectors of your hard disk.

Disk Wipe acts as an additional protection against data recovery software that might be able to recover files that have been shredded alone.



First, select the drive to wipe from the drive list shown on **VX-Lock Pro** Disk Wipe interface page. Next, indicate how many passes you want to perform. Each pass garbles the information in the hard drive once. The more passes you select, the more unlikely for anyone to make out your original data. We recommend between 1 to 3 passes.

After the input process, click on “Start” button to start the disk wipe process.

Note: Each pass may take a few minutes to complete, even hours if your computer has slower processor or your drive has large amount of free space.



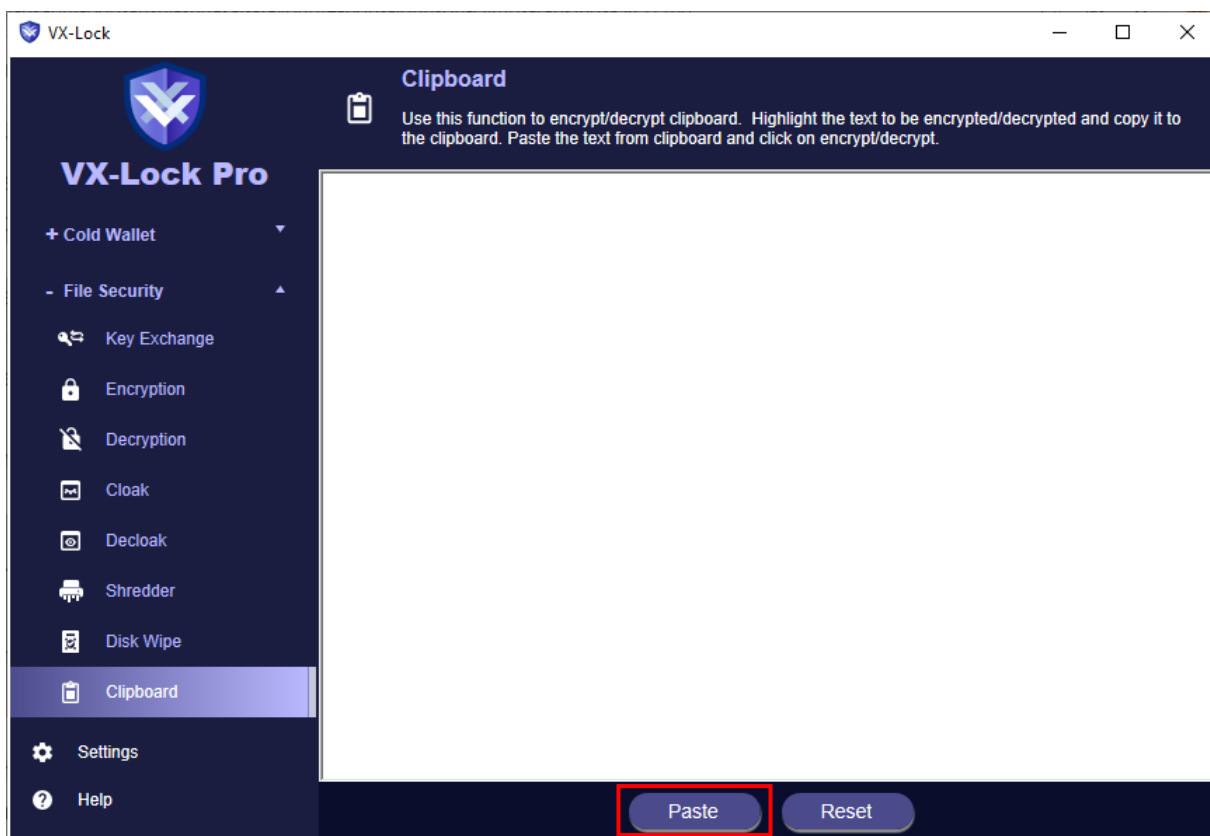
Clipboard

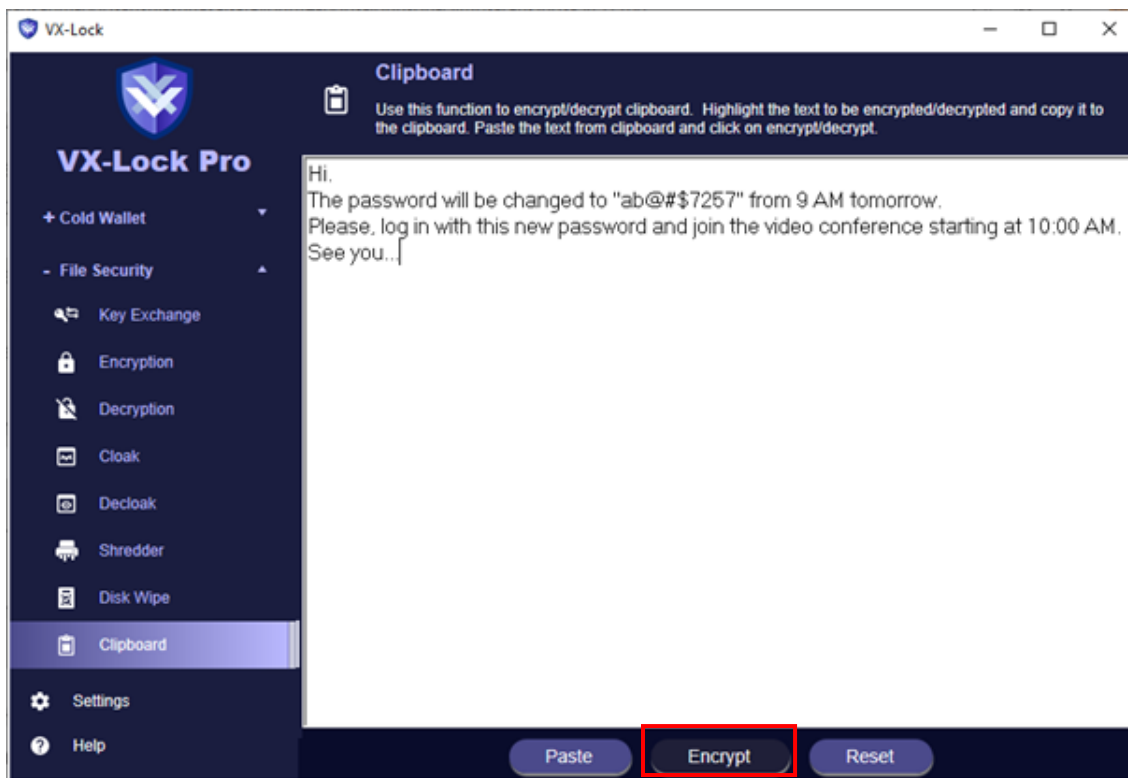
Clipboard function allows you to encrypt/decrypt the text which is copied to clipboard. This feature is very useful while exchanging text messages between friends.

To encrypt any text, copy the text using the command (Ctrl+C) or use the mouse right click to copy the selected text.

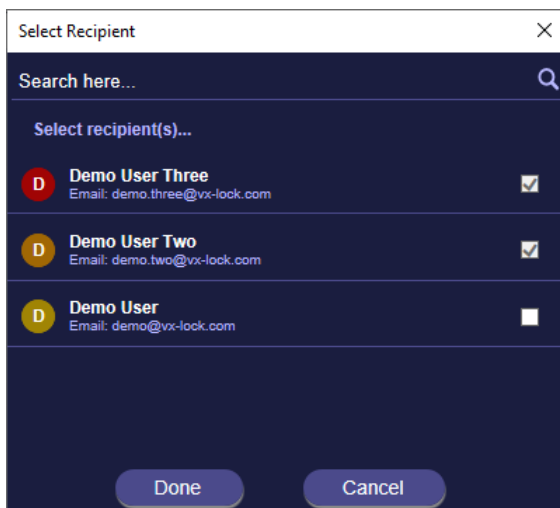
Hi.
The password will be changed to "ab@#\$7257" from 9 AM tomorrow.
Please, log in with this new password and join the video conference starting at 10:00 AM.
See you...

Move to **VX-Lock Pro** App, and select clipboard option from left side menu and click on "Paste" button or use the shortcut key (Ctrl+V).

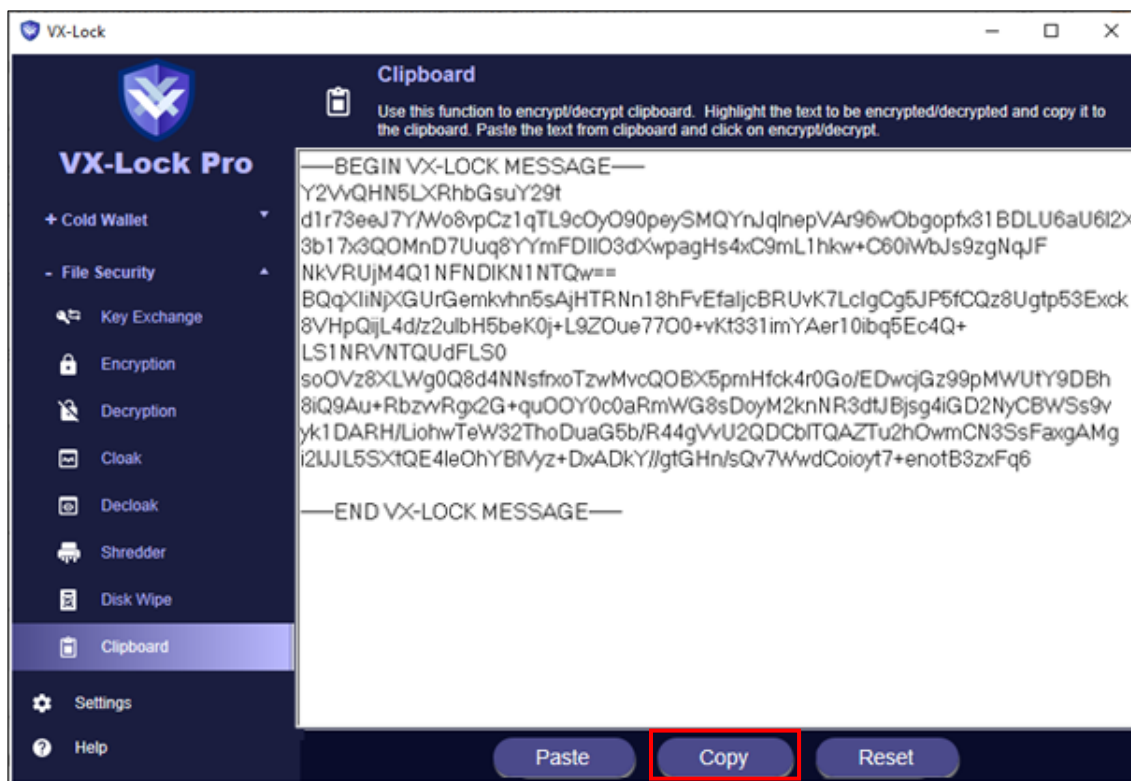




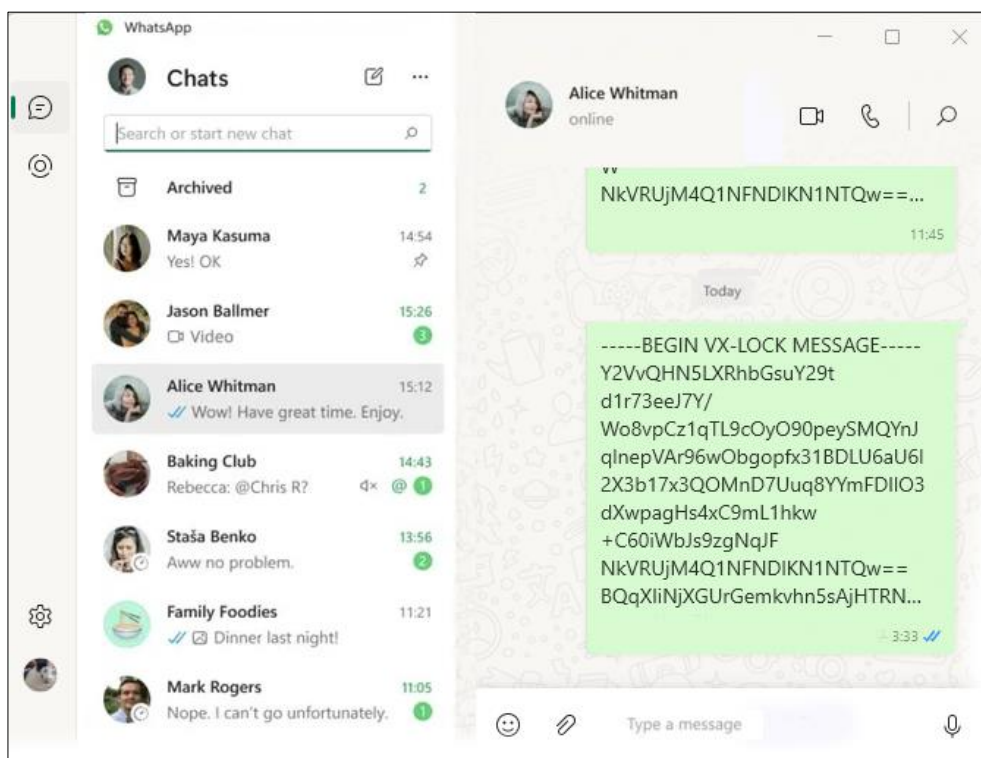
Encrypt button will be enabled. Click on “Encrypt” button and select the recipient from the list.



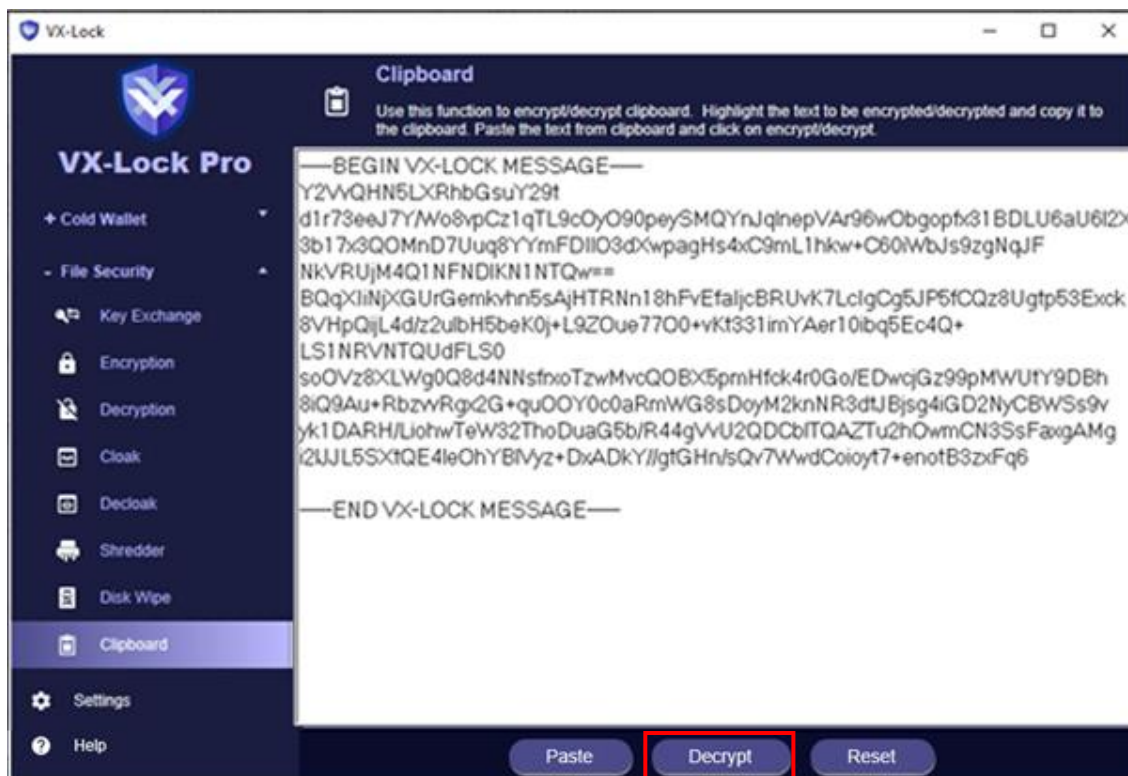
Text will be encrypted and the encrypted text will be displayed on the screen.



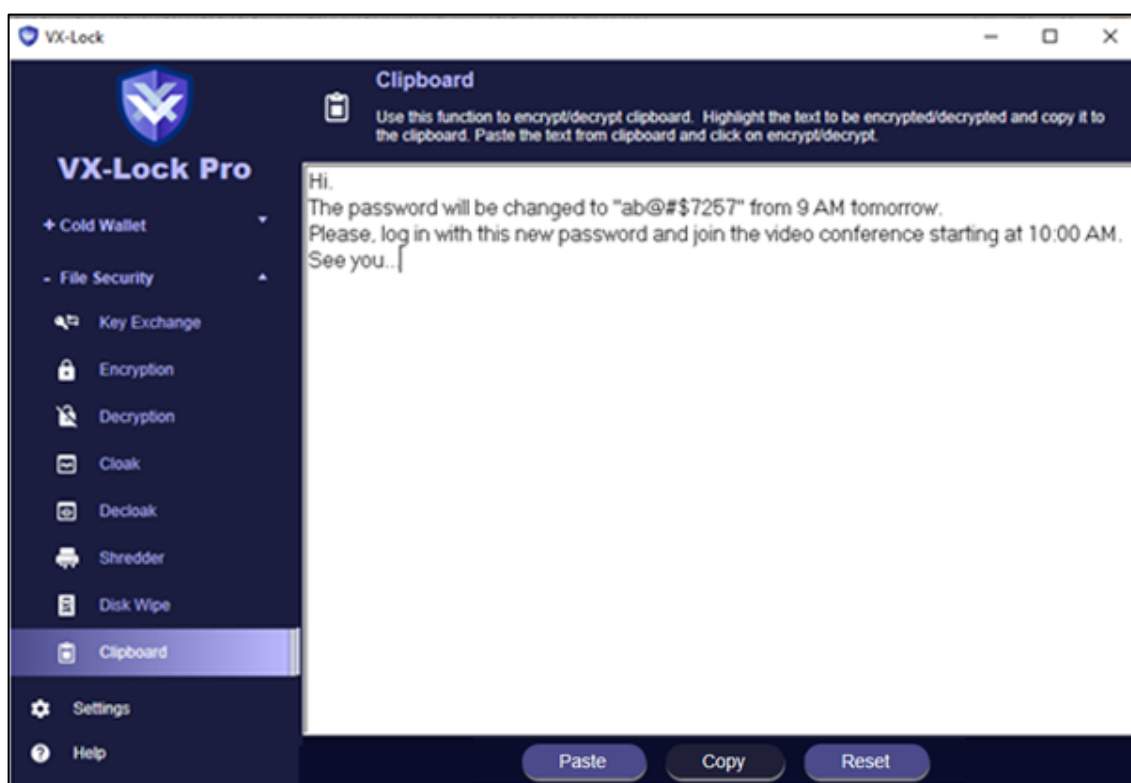
Click on “Copy” button to copy the encrypted text to clipboard.
Share the encrypted text using any medium (Mail, WhatsApp, Facebook, WeChat, Telegram, KakaoTalk, Line, and Zalo, etc.)



Once the recipient receives the encrypted text, they need to copy the encrypted text and paste into **VX-Lock Pro** App.



Click on “Decrypt” button to decrypt the text. Then, the decrypted text will be displayed on screen.





Settings

General

This allows you to set general preferences. You will find the version of **VX-Lock** App. You may change your preferred language, select auto logout time, and change the mode to light or dark.

The screenshot shows the 'Settings' screen with a gear icon and the title 'Settings'. Below the title is a subtitle: 'Here you may edit your profile, change your access code and do other settings.' There are three tabs: 'General' (selected), 'Profile', and 'Access Code'. Under the 'General' tab, there is a product information box showing 'Product: VX-Lock Demo' and 'Version: 1.0.0.16'. Below this is a language selection dropdown menu currently set to 'English'. Next is a 'Logout automatically after' field set to '10' minutes. At the bottom is a toggle switch for 'Enable Light Mode!' which is currently turned off.

Profile


This allows you to update your profile. Do the modifications to your name or mobile number and click on “Update” button to save your updated profile.

The screenshot shows the 'Settings' screen with the 'Profile' tab selected. The subtitle remains the same. Under the 'Profile' tab, there are three input fields: 'Full name' with the value 'Demo User Three', 'Mobile number' with the value '006145678903', and 'Email address' with the value 'demo.three@vx-lock.com'. Below these fields is a checkbox labeled 'Update my profile in server. (**Requires internet connection)' which is checked. At the bottom are two buttons: 'Update' and 'Reset'.

Access Code

This allows you to change your access code. Enter your current access code, new access code and confirm your access code. Click on “Update” button to update/change your access code.





Settings

Here you may edit your profile, change your access code and do other settings.

General

Profile

Access Code

Old Access Code

.....

New Access Code

.....

Confirm Access Code

.....

Update

Reset

Thank you and enjoy VX-Lock for your purpose!