

CryptoKey User Guide



Copyright 2010 Deepnet Security Limited

Trademarks

DualShield Unified Authentication, CryptoKey, MobileID, QuickID, PocketID, SafeID, GridID, FlashID, SmartID, TypeSense, VoiceSense, DevicePass, RemotePass and Site Stamp are trademarks of Deepnet Security Limited. All other brand names and product names are trademarks or registered trademarks of their respective owners.

Copyrights

Under the international copyright law, neither the Deepnet Security software or documentation may be copied, reproduced, translated or reduced to any electronic medium or machine readable form, in whole or in part, without the prior written consent of Deepnet Security.

Licence Conditions

Please read your licence agreement with Deepnet carefully and make sure you understand the exact terms of usage. In particular, for which projects, on which platforms and at which sites, you are allowed to use the product. You are not allowed to make any modifications to the product. If you feel the need for any modifications, please contact Deepnet Security.

Disclaimer

This document is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement.

This document could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the document. Deepnet Security may make improvements of and/or changes to the product described in this document at any time.

Contact

If you wish to obtain further information on this product or any other Deepnet Security products, you are always welcome to contact us.

Deepnet Security Limited Northway House 1379 High Road London N20 9LP United Kingdom

 Tel:
 +44(0)20 8343 9663

 Fax:
 +44(0)20 8446 3182

 Web:
 www.deepnetsecurity.com

 Email:
 support@deepnetsecurity.com

Contents

Introduction	4
First-time Use	4
Unlock a Drive	7
Lock a Drive	9
Register a Drive	
Password Recovery	12
Automatic Recovery	12
Manual Recovery	14
Reset Drive	15
Time Bomb	16
Remote Kill	17
Two-Factor Authentication	
Download MobileID Token	
Install MobileID Token	20
Use Mobile ID	

Introduction

CryptoKey is a secure USB flash drive with hardware encryption. Every bit of data saved into the drive is encrypted in real time by an on-board AES 256-bits encryption module. In addition, data saved into the drive is also scanned for virus and malware by a built-in Antivirus and Antimalware engine.

Using CryptoKey is as simple as using an ordinary USB flash drive. The only difference is that CryptoKey needs to be unlocked with your password before it is can be used.

First-time Use

At the very first time you use a CryptKey drive, you will be guided through a simple process to set up your password.

Step 1. Insert your CryptoKey drive into a USB port in your PC or laptop

If the Autoplay feature is enabled on your PC/Laptop, then in a few seconds you will see the screen below:



If the Autoplay feature is disabled, then you have to locate the drive in the Windows Explorer and click "CryptoKey.exe" to launch it.



Step 2. Set Password

As it is a brand new drive, you need to first set up your own password. Click the "Set Password" button.

Tools Settings Help	x
Set Password	
New password: Password Policy	
Confirm password:	
Hint (optional):	
8	GO
0	4 🔿 🕥

Your password must be compliant to the password policy that is set by the IT administrator of your organisation or vendor. To check the password policy, move your mouse cursor over the "Password Policy" link.

	EY: ×
Set Password	
New password:	assword Policy
Confirm password:	Password must be at least It must contain at least: - 1 lowercase letters
Hint (optional):	
R	GO
-	4 4 5

Enter your password and confirm it. Depending on your password policy, you might be allowed to enter a password hint.

• CRYF	KEY: ×
Tools Q	Settings 7 Help
Set P	ssword
New password:	Password Policy
•••••	
Confirm password:	
•••••	
Hint (optional):	
dn1	GO
8	
0	4 🕹 🙆

Finally, click "Go" to set up your password.

Unlock a Drive

Insert your CryptoKey drive into a USB port in your PC or laptop

If the Autoplay feature is enabled on your PC/Laptop, then in a few seconds you will see the screen below:

	Tools		Y Help	x
Please ente	r your passwor	d to unlock your	r CryptoKey USB drive	
8			Password Hint	

If the Autoplay feature is disabled, then you have to locate the drive in the Windows Explorer and click "CryptoKey.exe" to launch it.

Enter your password and Click "Go" to unlock your CryptoKey drive

Unlocking the drive might take a few seconds.



Once the drive is successfully unlocked, you will see the console.



And in your Windows Explorer, you will see a new Removable Disk:

Computer Removable Disk (H:)		- 4g	Search	Q
🍆 Organize 👻 🏢 Views 👻 📵 Burn	_			0
Favorite Links	Na	ame	Date modified	Туре
Documents		System	05/12/2010 22:31	File Folder
Pictures				
Music				
More »				
Folders	~			
 Public Computer OS (C:) DATA (D:) DVD RW Drive (E:) HD DVD-ROM Drive (F:) C D Drive (G:) CryptoKey Removable Disk (H:) System antivirus plugins Network Control Panel Recycle Bin 			III	,
1 item				

You can now save and copy data to/from the drive as if it was an ordinary USB drive.

Lock a Drive

There are 3 ways you can lock a CryptoKey drive.

1. If you want to lock the drive but not to shut down its console, then select "Tools | ${\sf Lock}''$

2. If you want to lock the drive also to shut down its console, then select "Tools | Exit''

(#	CRYPT		x
	▶ Tools Set Lock Unlock MobileID > SmartID > Antivirus > Security > Exit >	ttings 🏆 Help	
🕕 Updating antiv	rus failed	<u>_</u>	4 🕹 🙆

3. You simply unplug the drive from the USB port. As soon as a CryptKey drive is unplugged from a PC/Laptop, it is automatically locked.

Register a Drive

If you are a business user, then you might be required by your organisation to register your CryptoKey drive. By registering your drive with your organisation's central management server, you will be able to recover your password in the case you have forgotten password, or to wipe out your drive in the case you have lost your drive. Furthermore, you will be able to use your CryptoKey drive as a two-factor authentication token.

To register your drive, select "Settings | Register Device"

• CRY	YPTOKEY:	х
Tools	Settings 🖓 Help	
	Owner Info	
	User Options	
	<u>R</u> egister Device	
6	System Policy	
· · · · · · · · · · · · · · · · · · ·	Security Policy	
	Password Policy	
	Antivirus Policy	
	Management Server	
	Proxy Server	
🕕 Updating antivirus signature da	atabase 📋'	Þ 🔷 🙆

You need to enter the server address which should have been provided by your administrator.

•	Tools Settings Help	×			
	Register Device				
Server Address:	Server Address: http://212.23.24.60:8072/das5/service				
User Name:	john.smith				
Password:	•••••				
	Register				
Updating antivirus	signature database 🔐 🗘	⇔ ⊙			

Enter your user name and password. Please note this password is not the password that you have set up for the CryptoKey drive itself, it is your account password in your organisation's database which is normally an Active Directory.

Depending on your organisation's policy, you might be asked to enter an activation code to activate your registration. You will normally receive your activation code in an SMS text message to your mobile phone or in an email message in your email box. Otherwise, you can get your activation code from your IT administrator.

Please enter your	Tools Activation code	Settings	Y Help	X
Activation Code:	9389			
 Updating antivir 	us signature da	Activate		44

If your username/password and activation code are correct, your drive will have been successfully registered.

	x	
Your CryptoKey has been successfully registered.		
ОК		

Password Recovery

If you have forgotten your password, you can automatically recover it from your central management server (Automatic Recovery) or you can manually recover it with the help of your IT administrator or help desk.

Automatic Recovery

Select "Tools | Security | Recover Password | Automatic Recovery"

CRYP	IO KEY:	×
Tools 65	ettings ² Help	
Lock		
<u>U</u> nlock		
MobileID +		
SmartID 🕨		
Antivirus 🕨		
Security	Change Password	
Exit	<u>R</u> ecover Password	Automatic Recovery
	Reset Drive	Manual Recovery
 No antivirus updates avaliable 	Time Bomb	

You will be asked to first provide your user name and password:

3	Tools Settings Help	
	Recover Password	
Server Address:	http://212.23.24.60:8072/das5/service	
User Name:	john.smith	
Password:	1	
	Recover Cancel	

Depending on your organisation's policy, you might be asked to enter an activation code to activate your password recovery. You will normally receive your activation code in an SMS text message to your mobile phone or in an email message in your email box. Otherwise, you can get your activation code from your IT administrator.

(X Help
	Activation Code	
You have to enter	an activation code to perform th	e password recovery.
Please enter your	activation code:	
Activation Code:	1882	
	Activate	
🚯 No antivirus upo	ates avaliable 🤟	

If your username/password and activation code are correct, you will then be able set a new password:

Tools	Settings 7 Help
Cha	nge Password
New password:	Password Policy
•••••	
Confirm password:	
•••••	
Hint (optional):	
Dn1	GO
1	

Once your new password has been successfully set, you will be able to unlock your drive with the new password



Manual Recovery

Select "Tools | Security | Recover Password | Manual Recovery"

CRYP	KEY	×
Tools 🔍 S	Settings 🖓 Help	
Lock		
<u>U</u> nlock		
MobileID +		
SmartID +		
Antivirus 🕨		
Security	Change Password	
Evit	<u>R</u> ecover Password	Automatic Recovery
Exit	Reset Drive	Manual Recovery
	neset <u>o</u> nre	
O No antivirus updates avaliable	Time Bomb	⇒ ⊙

In the manual recovery process, you need to contact your IT administrator or Help Desk and provide the serial number of your drive and a so-called Recovery ID code:

•	Tools Settings Help
	Recover Password
Please contact y	our help desk on:
Serail Number:	070007A9080865D813F7
Recovery ID	B0FC30BD
Recovery Key:	
	<u>R</u> ecover <u>Cancel</u>

Your IT administrator or Help Desk will then provide you with a Recovery Key that will enable to reset your password.

After you have entered a correct Recovery Key, the rest of the process is the same as the automatic recovery.

Reset Drive

If you have forgotten your password and do not wish to recover the data in the drive, you can reset your drive with a new password by yourself. Resetting a driving will wipe out all data in the drive.

Tools Settings Help	x
Resetting drive will erase all data in the drive, including your MobileID token!	
Reset Drive	

Time Bomb

CryptoKey has a unique feature that enables you to set a time bomb.



If you set a time bomb on your CryptoKey drive, the drive will automatically reset itself and wipe out all data in the drive if the time bomb is not defused before its set-off date.

Time Bomb	
Reset the drive and erase all files if the drive is not unlocked by below date:	
12/12/2010 □▼	low date:

The time bomb will be automatically defused when you unlock the drive before its set-off date.

Remote Kill

If you have lost your CryptoKey drive, you should report to your IT administrator or Help Desk as soon as possible, and request your drive to be remote killed. Next time your drive is inserted into a PC by someone, it will be killed automatically.



Two-Factor Authentication

CryptoKey can also be used as a two-factor authentication token. The Deepnet MobileID client is already built into the CrptoKey's console. To use MobileID, all you need is a MobileID token. You can download your MobileID token from the management server automatically or you can install your token manually with the help of your IT administrator or help desk.

Download MobileID Token

To download your MobileID token, select "Tools | MobileID | Token Management | Download Token"

oad Token
Token

You will be asked to authenticate yourself with the correct user name and password:

(r)	Tools Settings Phelp	×
	Download Token	
Server Address:	http://212.23.24.60:8072/das5/service	
User Name:	john.smith	
Password:]
	Download	
🔔 Warning: Down	nload a new token will overwrite your existing tok	en!
Opdating antivirus s	signature database 🕜 🗘 🗘	

Depending on your organisation's policy, you might be asked to provide an download Authorisation Code which you will normally receive in an SMS text message or email message.

Please enter your aut	Tools Settings Help Authorization Code	x
Authorization Code:	90946046	
Updating antivirus si	Authorize	



Install MobileID Token

If you are unable to download your MobileID token, you can install it manually.

• CRYP	TOKEY	×
Tools 矣	Settings 7 Help	
Lock		
Unlock		
MobileID	One Time Password	
SmartID	Challenge & Response	
Antivirus	Sign	
Security	Token Management	I Download Token
Exit	S <u>e</u> ttings	Install Token
		Create Token
Antivirus engine initiated		Export Token

(Tools Settings The	Alp
	Install Token	
Name:		
Serial:		
Seed:		
	Install	
🛆 Warnin	ig: Install a new token will overwrite you	r existing token!
🖯 Antivirus er	ngine initiated 🕐	7 4 4 5

Contact your IT administrator or help desk for the Serial Number and Seed of your token. Use Mobile ID

To use your MobileID token, select "Tools | MobileID | One-Time Password"

Tools 📿 Set	tings 🖓 Help
Lock	
Unlock	
MobileID	One Time Password
SmartID 🔸	Challenge & Response
Antivirus 🔸	Sign
Security 🔸	Token Management
Exit	S <u>e</u> ttings

