Keyboard Security USB



USB-KS1

User Manual

Contents

1.	Har	dware	Installation	3
2.	Soft	ware l	Installation	4
3.	Basi	c Usag	ge	5
4.	Adv	anced	Setting	6
	4.1	Adapt	er Menu	6
	4.2	Adapt	er Setting Dialog	7
		4.2.1	Security Status	7
		4.2.2	Enable Options	8
		4.2.3	Support List	10
5.	Not	ation .		15
	5.1	Adapt	er Encrypted Key	15
	5.2	Limita	tion	15
	5.3	Unins	tallation	16

1. Hardware Installation: Keyboard Security USB Adapter (USB-KS1)

- a. Plug your standard USB keyboard or wireless keyboard (male connector) to USB-KS1 Adapter (female connector of USB).
- b. Plug USB-KS1 male connector to your PC (desktop or laptop).
- c. Install the software as next section.



2. Software Installation

Insert bundled CD (or flash built-in disk) to PC for software/driver's installation, and then follow few steps as following procedure to install the software



Step 1: Welcome







Step 5: Installation Successful



Step 2: License Agreement



Step 4: Ready to Install

3. Basic Usage

If you install of software completed, then next time when your re-boot it will auto-run by default setting. The icon 🕐 will appear on system tray area. There are 4 states of icon on system tray for representing USB-KS1 status.



Enabled: When the software is enabled and hardware is ready.



 \bigcirc Connected: When the USB-KS1 is connected to the application software. The data from keyboard are protected in this state.



Disabled: When the software is disabled.



Disconnected: When the USB-KS1 hardware is not found.

When the USB-KS1 is connected to application software, the data from keyboard in the application will be protected by The Anti-keylogger System. The System will auto change the encrypted key by mouse click, <Tab> key, <Caps Lock> key and <Enter> key.

ee alu-sle+gup,m/+ + ×	
← → M https://accounts.goog ♀ ← A & C × M Gmail: Email f The hacker only can get A ← S ← I ← Page(P) ← Security(S) ← Options(0) ← @ ← M meaningless encry/nted	the data
Google New to Gmail? CREATE AN ACCOUNT	
Gmail A Google approach to email. Sign in Google	H
Gmail is built on the idea that email can be more intuitive, efficient, and useful. And maybe even fun. After all, Gmail has:	
Lots of space Password Over 10288.682648 megabytes (and counting) of free storage.	
Less spam Sign in Stay signed in Keep unwanted messages out of your inbox. Can't access your account?	
Mobile access Get Gmail on your mobile phone. Learn more	-

4. Advanced Setting

4.1 Adapter Menu

By right click the Software in system tray, the system menu will appear as follows.

Disable	7	Enable
Keylogger Bar		Keylogger Bar
Setting		Setting
Help(pdf)		Help(pdf)
About		About
Exit	or	Exit

a. Select [Disable]/[Enable] to Disable/Enable the security mode.

Win+Ctrl keys are the hot key for switching security mode between Enabled and Disabled.

b. Select [Keylogger Bar] or left click the icon in system tray, the Keylogger Bar will appear as below:



You can know the encrypted characters for each word when you are typing. Right click the icon on the Keylogger Bar will pull down the system menu, too. When Keylogger Bar was turn-off, you can click the icon to turn-on again.

- c. Select **[Setting]** in the menu or left click the icon on the Keylogger Bar will open the setting dialog.
- d. Select [Help(pdf)] to open the User Manual.
- e. Select [About] to read the information about the system.

out Cloud Keyboard Security	
$\mathbf{\odot}$	ОК
Cloud Keyboard Security Version 2.00	
Copyright (c) 2012. All rights reserved.	
oTHE Technology Inc.	
http://www.othe.com.tw	
Firmware Version 5.0.0 011012143617	

f. Select [Exit] to close the software.

4.2 Adapter Setting Dialog

Security Sta	tus	
On For	Active Window	
On For	Laptop PC Embedde	d Keyboard
Enable Optio	ns	
Securi	ty Mode	
Securi	ty Mode On/Off by W	in+Ctrl Keys
Keylog	ger Bar Off After 5 S	econds Without Keyin
Keylog	ger Bar On Active Wi	indow Title
Auto R	un After Reboot	
Vision	Signal In Text Window	w When Acitve
Hot Key Sett	ing,	
	Open Hot K	Cey Editor
Program, Cla	iss of Active Window	1
notepad.e:	xe	
Edit		
and the second se	port This Now	Support List
Sup		

4.2.1 Security Status

a. On For Active Window

This status will be ticked when USB-KS1 is connecting to application software; your typing data are protected. The system tray icon will show: (Connected)

b. On For Laptop PC Embedded Keyboard

This status will be ticked if you have installed the **Driver** for your laptop PC embedded keyboard.

4.2.2 Enable Options

a. Security Mode

When this option is ticked, the software will be enabled. The system tray and Keylogger bar will show \bigcirc or \bigcirc . If Security Mode is disable then icon change to



b. Security Mode On/Off by Win+Ctrl Keys

When this option is ticked, security mode can be turned on/off by using the Win+Ctrl keys.

c. Keylogger Bar Off After 5 Seconds Without Keying

When this option is ticked, Keylogger Bar will turn off after 5 seconds without keying.

Win+Ctrl keys are the hot key for turn on/off the Keylogger Bar.

d. Keylogger Bar On Active Window Title

When this option is ticked, Keylogger Bar will always on the top of the active window.

x 🕄

If move the cursor to the Keylogger Bar icon \bigcirc , then right click will show the menu as following.



e. Auto Run After Reboot

When this option is ticked, the software will always auto-run after system reboot.

f. Vision Signal In Text Window When Active

When this option is ticked, the icon will be showed on the right-top corner or right side of a text bar when the system is connected to target application software.

Sign in with your
Email: JimmyLin 😳
ex: pat@example.com
Password:
Stay signed in
Sign in
Can't access your account?

Don't have a Google Account? Create an account now

4.2.3 Support List

User can support her/his own software which is not listed in the software support list by the following procedure:

- 1. Open the Setting Dialog by select the **[Setting]** in the Adapter menu.
- 2. Click the [Support List] button and select the [Supported AP] section.

Security Status		Supported AP Black AP Bla	ack URL
On For Active Window	Kauboard	Program Name	Class Name
	Reyboard	360se.exe	Edit
Enable Options		360se.exe	360se_Frame
County Made		360se.exe	Internet Explorer_Server
Security Mode	Obd Kaus	360se.exe	RichEdit20W
Security Mode On/Off by Win	I+Ctri Keys	7zFM.exe	Edit
Keylogger Bar Off After 5 Se	conds without Keyin	AbiWord.exe	AbiWordDocument
Keylogger Bar On Active Win	dow Title	Acrobat.exe	RICHEDIT50W
Auto Run After Reboot		AcroRd32.exe	AVL_AVView
Vision Signal In Text Window	When Acitve	AcroRd32.exe	Edit
Hot Key Setting		AcroRd32.exe	RichEdit20A
Open Hot Ke	ey Editor	aim.exe	oxFrame.class
		AM Browser.exe	TMemo
Program, Class of Active Window		AM Browser.exe	TEdit
notepad.exe		AM Browser.exe	Internet Explorer_Server
Edit		AM Browser.exe	Edit
		avant.exe	TTBXEdit.UnicodeClass
Support This Now	Support List	•	. III
OK Cancel	Apply / Save	Search:	

- 3. Click to a software you want to support. The program and class name of the active window will be showed in the setting dialog (Example: notepad.exe)
- 4. Click the **[Support This Now]** button then click the **[Apply/Save]** button.
- 5. After that, the software's program and class name will add into the software support list, user's typing data in the supported software's program and class will be protected by the system.

Cloud Keyboard Security Setting	Cloud Keyboard Sec	urity Support List	2
Security Status	Supported AP Black AP	Black URL	
On For Active Window	Program Name	Class Name	
Enable Options Image: Security Mode Security Mode	nobol.bng notebook.exe notebook.exe notebook.exe	Nobunaga Online Game Mai TEdit TNxEdit TRichViewEdit	
Keylogger Bar Off After 5 Seconds Without Keyin	Notepad++.exe	Edit	
Keylogger Bar On Active Window Title	notepad.exe	Edit	
Vision Signal In Text Window When Acitve	Notepad2.exe Notepad2.exe	Edit Scintilla	=
Hot Key Setting Open Hot Key Editor	OmgPortal.exe ONENOTE.EXE	Internet Explorer_Server OneNote::CJotSurfaceWnd	
Program, Class of Active Window notepad.exe	opera.exe	OperaWindowClass MozillaWindowClass	
Edit	orca.exe	TTBXEdit.UnicodeClass	
Support This Now Support List	€ Concentration of the second		
OK Cancel Apply / Save	Search: Default Setting	Delete Close	

Moreover, user can set software to the system's Black AP list if the software is not compatible with the system by the following procedure:

- 1. Open the Setting Dialog by select the **[Setting]** in the Adapter menu.
- 2. Click the [Support List] button and select the [Black AP] section.

Security Status	Supported AP Black AP Black	k URL
On For Active Window	Program Name	Class Name
On For Laptop PC Embedded Keyboard	ClientSM.exe	Edit
nable Options	gvim.exe	Vim
Security Mode	QQ.exe	Edit
Security Mode On/Off by Win+Ctrl Keys	QQ.exe	TXEdit
Kevlogger Bar Off After 5 Seconds Without Kevin	wlmail.exe	WLXDUI
Keylogger Bar On Active Window Title		
V Auto Run After Reboot		
Vision Signal In Text Window When Acitve		
tot Key Setting		
Open Hot Key Editor		
Program, Class of Active Window		
notepad.exe		
Edit		
Support This Now Support List		
OK Cancel Apply / Save	Search:	
Cancer Apply / Save		Delete Oleve

- 3. Click to a software you want to set to the Black AP list. The program and class name of the active window will be showed in the system's setting dialog (Example: notepad.exe)
- 4. Click the [Block This Now] button then click the [Apply/Save] button.
- 5. After that, the software's program and class name will add into the Black AP list, the software in the Black AP list will not protected by the system and cannot add into the Support list in order to prevent conflict.

Cloud Keyboard Security Setting	Cloud Keyboard Security Su	pport List 🛛 🔀
Security Status	Supported AP Black AP Black URI	
On For Active Window	Program Name	Class Name
On For Laptop PC Embedded Reyboard	ClientSM.exe	Edit
Enable Options	gvim.exe	Vim
Security Mode	notepad.exe	Edit
Security Mode On/Off by Win+Ctrl Keys	QQ.exe	Edit
Keylogger Bar Off After 5 Seconds Without Keyin	QQ.exe	TXEdit
Keylogger Bar On Active Window Title	wimail.exe	WLXDUI
Auto Run After Reboot		
Vision Signal In Text Window When Acitve		
Hot Key Setting		
Open Hot Key Editor		
Program, Class of Active Window		
Inotepad.exe		
Edit		
Block This Now Support List		
	Copreh	
OK Cancel Apply / Save	Search:	
	Default Setting	Delete Close

User also can set a specific website to the Black list by the following procedure:

- 1. Open the Setting Dialog by select the **[Setting]** in the system menu.
- 2. Click the [Support List] button and select the [Black URL] section.

oud Keyboard Security Setting	Image: Cloud Keyboard Security Support List
Security Status On For Active Window On For Laptop PC Embedded Keyboard	Supported AP Black AP Black URL Add
Enable Options	Black URL
Security Mode	
Keylogger Bar Off After 5 Seconds Without Keyin	
In Active Window Title Auto Run After Reboot Vision Signal In Text Window When Acitve	
Hot Key Setting Open Hot Key Editor	
Program, Class of Active Window	
notepad.exe	
Edit	
Support This Now Support List	
OK Cancel Apply / Save	Search:
	Delete Close

3. Input a specific URL to the input bar and click the **[Add]** button.

- 4. After that, the specific URL will add into system's Black URL list, the Adapter security status will automatic turn off when user enters the website by Internet Explorer.
- 5. Note: The Black URL function only works for Internet Explorer.



5. Notation

5.1 USB-KS1 Encrypted Key

The system only encrypts the character keys, number keys and symbol keys in keyboard. We do not encrypt the function keys.

a. USB-KS1 Encrypted Keys:

a A b B c C d D e E f F g G h H i I j J k K I L m M n N o O p P q Q r R s S t T u U v V w W x X y Y z Z 0) 1 ! 2 @ 3 # 4 \$ 5 % 6 ^ 7 & 8 * 9 (= + - _ \ | [{}];:' ", <. > / ?

b. USB-KS1 Non-Encrypted Keys:

"Space bar", "Enter" and "~" do not encrypted by USB-KS1 for software compatibility purpose. "." Key in numeric keypad also do not encrypt by USB-KS1 due to limitation of firmware.

c. Special case in different keyboard layout:

In most of the European keyboard layout, the "." key in the numeric keypad do not encrypted by USB-KS1 due to limitation.

In the French keyboard layout, user cannot type the symbols keys on the top of the keyboard layout when USB-KS1 is connected due to limitation.

5.2 Limitation

Due to the limitation of software, when user is switching his/her active window, we recommend user to wait for USB-KS1 connected to the new active window before start typing to prevent miss-type or incorrect-type.

5.3 Uninstallation

The uninstallation will removed the related files of the system, if the software is currently running; please close it before proceeding with the uninstallation.



After uninstallation, some Keyboard Security USB files will be removed after next reboot, please click Finish to exit or click Reboot to restart your PC.

