HKE 香港交易所

CLICK Trade 1.24.7.229 Installation Guide

2015-03-30

This manual describes how to install CLICK Trade applications on Windows 7 SP1 (64 bit).

HKEx believes the information in this document to be accurate at the date of publication. HKEx will not accept responsibility for damage, direct or indirect, caused by errors in this document.

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Document Version:	Version 1.3
Document Id:	CLICK Trade 1.24.7.229

Quick CLICK Trade Installation

- 1) Prerequisite requirement checking before installing CLICK Trade 1.24.7.229 (For details, please refer to section 2.1)
 - a. Windows 7 Professional 64-bit (SP1 or later) (English version)
 - b. Windows Installer Service
 - c. Microsoft .NET Framework 4.0 (Note: The is already build-in Windows 7 operation system)

2) Get the following zip files from HKEx

Ensure the following 7 files are placed in the "C:\hkex\" folder 1) CLICK Trade 1.24.7.229 Installation Guide (V1.3).pdf (this document) 2) TW_2.0.0805_12_HKEX-1.24.7.229_r70229.z01 3) TW_2.0.0805_12_HKEX-1.24.7.229_r70229.z02 4) TW_2.0.0805_12_HKEX-1.24.7.229_r70229.z03 5) TW_2.0.0805_12_HKEX-1.24.7.229_r70229.z04 6) TW_2.0.0805_12_HKEX-1.24.7.229_r70229.zip 7) TW_1.24.7.229_install.zip

- 3) Create a new folder "CLICK_1.24.7.229_INSTALL" in "C:\hkex\" and then close the window
- 4) Extract and unzip the contents of the following 2 zip files to "C:\hkex\CLICK_1.24.7.229_INSTALL" folder

1) TW_2.0.0805_12_HKEX-1.24.7.229_r70229.zip 2) TW_1.24.7.229_install.zip

🕌 Extract Compressed (Zipped) Folders	×
🕝 🔒 Extract Compressed (Zipped) Folders	
Select a Destination and Extract Files	
Files will be extracted to this <u>f</u> older:	
C:\hkex\CLICK_1.24.7.229_INSTALL	B <u>r</u> owse
✓ Show extracted files when complete	
	Extract Cancel

5) Copy the below CLICK Trade installation guide from "C:\hkex\" folder to "C:\hkex\CLICK_1.24.7.229_INSTALL" folder

1) CLICK Trade 1.24.7.229 Installation Guide (V1.3).pdf (this document)

6) Ensure a total of 9 files should be found in "C:\hkex\CLICK_1.24.7.229 INSTALL"

CLICK Trade 1.24.7.229 Installation Guide (V1.3).pdf
 TW_2.0.0805_12_HKEX-1.24.7.229_r70229.msi
 Install_TW_1.24.7.229.cmd
 PC_info_collection.bat
 PC_info_g1.bat
 pc_info_g2.vbs
 pc_info_g3.vbs
 w32time.reg
 Backup_Old_CLICK.cmd
 rename_dat_files.cmd

7) Copy TW 1.24.4.8838 shortcut to NASDAQ OMX (Backup Version)

BEFORE the new CLICK installation,

Cut 'TW 1.24.4.8838' and 'Troubleshooter' under 'NASDAQ OMX'







Or

Double click the "**Backup_Old_CLICK.cmd**" (right-click then run as administrator).

8) Checking:

Select Start -> All programs folder-> "NASDAQ OMX (Backup Version)" folder contains

old click version : TW 1.24.4.8838 (Post Genium version) TW 1.14.4.6508 (Genium version) TW 1.14.4.43 (Genium version)

After change:

 Internet Explorer (64-bit) Internet Explorer Windows Update Accessories 	
Administrative Tools Administr	dcassadmin Documents
 NASDAQ OMX NASDAQ OMX (backup version) GENIUM INET Trading Workstation 1.14.4.4 	Computer
 GENIUM INET Trading Workstation 1.14.4.6 GENIUM INET Trading Workstation 1.24.4.6 Troubleshooter 	1838 Control Panel
🐌 Startup 퉬 temp	Devices and Printers
	Help and Support
	Run
Back Search programs and files	Windows Security
🍂 🔊	

- 9) CLICK Trade 1.24.7.229 Installation (Please refer to section 2.2)
 - Login as Administrator
 - Double click "Install_TW_1.24.7.229.cmd" in "C:\hkex\CLICK_1.24.7.229_INSTALL" folder
- **10)** Checking after installation
 - Open login screen (Select Start → All Program → NASDAQ OMX → GENIUM INET Trading Workstation 1.24.7.229)
 - Installation log file checking (please refer to section 2.2.2)
- 11) Email the installation log files to <u>CLICKSupport@hkex.com.hk</u> (Please refer to section 2.3)

CLICK Trade Installation Guide Change History

The following is a summary of the recent changes made to this Installation Guide.

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1 Introduction

This installation guide describes how to install CLICK Trade application.

Note: Check with your system administrator that you have the right to install the program.

2 Installation

This instruction is for installing CLICK Trade 1.24.7.229.

2.1 Prerequisite

2.1.1 Windows Installer

The CLICK workstation should have "Windows Installer" before installing CLICK Trade. User may check the availability of the software by right clicking the "My Computer" icon and select "Manage". Windows Installer should be located under the group "Services".

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File Action View H	elp					
🗢 🔿 🖄 🗊 🖾	à 😖 🛛 🖬 👘 🕨 🔲 🕪					
E Computer Managemer	🔍 Services					Actions
System Tools						Services 🔺
Task Scheduler	Windows Installer	Name	Description	Status	*	More •
Event Viewer		🔅 Windows Error Reporting Service	Allows error			more in P
Started Folders	Stop the service	🤹 Windows Event Collector	This service			Windows I 🔺
Performance	Restart the service	🍓 Windows Event Log	This service	Started		More 🕨
Device Manager		🔍 Windows Firewall	Windows Fi	Started		
🔺 🔄 Storage	Description:	🔍 Windows Font Cache Service	Optimizes p			
🔄 📄 Disk Manageme	Adds, modifies, and removes	🥨 Windows Image Acquisition (WIA)	Provides im			
Services and Applic	applications provided as a Windows	😪 Windows Installer	Adds, modi	Started		
Services	service is disabled, any services that	Windows Management Instrumentati	Provides a c	Started		
🗃 WMI Control	explicitly depend on it will fail to start.	Windows Media Center Receiver Servi	Windows M			
		Windows Media Center Scheduler Ser	Starts and st			
		Windows Media Player Network Shari	Shares Win	Started	Ŧ	
		✓ [III]		Þ		
 ■ 	Extended Standard					

Figure 1 Windows Installer Service

2.1.2 Default Setting and Referenced Data

- 1) Settings and reference data will be stored in: APPDATA=C:\User\[Windows User]\AppData\Roaming
- 2) Live data should be stored in LOCALAPPDATA=C:\Users\[Windows User]\AppData\Local

LOCALAPPDATA should not be redirected to share or similar

2.1.3 Microsoft .NET Framework Version 4.0

The CLICK workstation should already have "Microsoft .Net Framework 4.0" installed before installing "CLICK Trade". User may check the availability of the software by selecting Control Panel\All Control Panel Items\Programs and Features.

Ensure the features of "Microsoft .NET Framework 4.0" has been installed.

G	🔍 🗢 💽 🕨 Control Panel 🕨	All Control Panel Items		- 4 j €	Search Programs	s and F	٩
	Control Panel Home	Uninstall or change a program					
	View installed updates	To uninstall a program, select it from the list and the	n click Uninstall, Change, or Repair.				
0	Turn Windows features on or						
	off	Organize 🝷 Uninstall/Change			:==	- (
		Name	Publisher	Installed On	Size	Version	•
		🕌 Java(TM) 6 Update 24	Oracle	02/06/2011	96.9 MB	6.0.240	
		🕌 Java(TM) 6 Update 24 (64-bit)	Oracle	02/06/2011	90.7 MB	6.0.240	
		LightScribe System Software	LightScribe	03/08/2011	23.9 MB	1.18.9.1	
		📾 LiveUpdate 3.3 (Symantec Corporation)	Symantec Corporation	02/06/2011		3.3.0.99	
		LocalGPO	Microsoft Corporation	02/06/2011	13.6 MB	1.0	
		Microsoft .NET Framework 4 Client Profile	Microsoft Corporation	27/08/2012	38.8 MB	4.0.3031	9
		Microsoft .NET Framework 4 Extended	Microsoft Corporation	27/08/2012	51.9 MB	4.0.3031	9 🚽
		 Image: A state of the state of	m			Þ	
		Microsoft Corporation Product version: Help link:	4.0.30319 Sup http://go.microsoft.co Update info	port link: http:// ormation: http://	/go.microsoft.co /go.microsoft.co	om/fwlin. om/fwlin	

Figure 2 Software of "Microsoft .NET Framework 4.0"

2.1.4 Operating Systems and Software

The software requirements:

- The CLICK Trade application is designed for, and will only work on, <u>Windows 7</u> <u>Professional 64-bit (English version) Service Pack 1</u> or later.
- The CLICK Trade application needs TCP/IP to be installed and working, which in turn assumes that the network card is installed and working.
- Microsoft .NET Framework 4.0 (Note: this is already included in Windows 7)

2.1.5 Hardware

The minimum hardware requirement:

- Intel[®] Core i3 550 3.2Ghz or higher
- 4 GB RAM, 10GB Hard drive disk space available

2.1.6 Essential information for the CLICK workstation

Type of NG	SDNet & Hosting Service NG	NG Server IP	CLCIK Workstation Name (for new setup CLICK PC)	Workstation (IP address for the CLICK workstation associated with specific NG server)
SDnet	# EP Code : xxx # EP Type : G # EP Site : nn e.g. ABCG01	xx.xx.230	# EP Code : xxx # EP Type : W # EP Site : nn # EP ws : %%% e.g. ABCW01001	xx.xx.xx.1 ~ 5, 21~ 25
Hosting Service	# EP Code : xxx # EP Type : H # EP Site : nn e.g. ABCH01	xx.xx.231 xx.xx.232 	# EP Code : xxx # EP Type : W # EP Site : nn # EP ws : %%% e.g. ABCW01030	xx.xx.xx.30 ~ 39 xx.xx.xx.40 ~ 49

1	CLICK	XXXWnn001	XXXWnn002	XXXWnn003	XXXWnn004	XXXWnn005	
	Computer name:						
2	CLICK	X.X.X.1	X.X.X.2	X.X.X.3	X.X.X.4	X.X.X.5	
	IP address:	or X.X.X.30	or X.X.X.31	or X.X.X.32	or X.X.X33	or X.X.X.34	
3	Workgroup			HKATS			
	name:						
4	Subnet mask:			255.255.255.0	0		
5	Default gateway:		172.X.X	X.254 or 10	.X.X.XXX		
6	Network		XX	XXGnn (SD	Onet)		
	gateway:						
		or					
			XXXHn	in (Hosting	Serving)		
7	Port number:	12024-12027					
8	Central gateway:		PGENCNGXXX				
9	Port number:	12024-12027					

Table 1 IP address

Description:

1	Existing CLICK Computer name:	SDnet-NG xxxWX%% # EP Code : xxx # EP Type : W # EP Site : X # EP ws : %%	 The first 3 character represents the company code, for example, ABC. Usually, the first 3 characters are the same as your login ID. The forth character represents this workstation is CLICK workstation. It is always "W". The fifth character represents the site name., for example, "A". Some Exchange Participants have applied more than one network gateways. The first gateway in the same company is "A". The sixth character represents the number of CLICK workstation. The first workstation is "1", the second is "2" and so on.
		Or	Or
		Hosting Service NG XXXWnn%%	 The first 3 character represents the company code, for example, ABC. Usually, the first 3 characters are the same as your login ID. The forth character represents this workstation is
		# EP Code : xxx # EP Type : W # EP Site : nn	 TW workstation. It is always "W". The fifth and sixth character represents the site name., for example, "01". Some Exchange Participants have applied more than one network gateways. The first gateway in the same company is "01". The second is "02" and so on
		# EP ws:%%%	- The seventh-ninth character represents the number of TW workstation. The first workstation is "001", the second is "002" and so on.

2	IP address:	172.X.X.%	Exchange will provide the IP information to users. The last
		10.x.x.%	the last character (number) of the workstation name.
3	Workgroup name	HKATS	Default value.
4	Subnet mask:	255.255.255.0	Default value.
5	Default gateway:	172.X.X.254 or 10.x.x.25x	Exchange will provide the IP information to users. The first 3 octet are the same as the IP of workstations.
6	Network gateway	SDNET NG XXXGnn or Host Service NG XXXHnn	It is the name of network gateway user is required to input while user is logging in HKATS. The naming convention is similar to the workstation name, except the forth and sixth character. The forth character character are always "G" The fifth and sixth character represents the site name., for example, "01". The first 3 octet are the same as the IP of workstations. The last octet is always "230"
7	Port number:	12024 -12027	Default value. User could use 12024 -12027
8	Central gateway*		Default value.
9	Port number: *	12024 -12027	Default value. User could use 12024 -12027

Table 2 Detailed information

* These machines are for contingency purpose.

2.1.7 OMnet Account

The Exchange creates account for user to login CLICK workstation. User needs the following information to login:

Username	e.g. TESTUSER1
Password	e.g. PASSWORD
Network	The node which runs the gateway to which the workstation is
Gateway	connected.
Port	The TCP/IP port number of the gateway process.

Table 3 OMnet User Account Information

2.1.8 Network Card

Note: Autosense and Auto Detect are not recommended.

Link speed of 100Mbps with full duplex is required.

Remarks: User can adjust this setting subject to their network infrastructure.

2.2 CLICK Trade 1.24.7.229 Installation (Silent Mode)

2.2.1 Installation Procedure

- 1. Login as **Administrator.**
- 2. Get the following zip files from HKEx

Ensure the following 7 files are placed in the "C:\hkex\" folder 1) CLICK Trade 1.24.7.229 Installation Guide (V1.3).pdf (this document) 2) TW_2.0.0805_12_HKEX-1.24.7.229_r70229.z01 3) TW_2.0.0805_12_HKEX-1.24.7.229_r70229.z02 4) TW_2.0.0805_12_HKEX-1.24.7.229_r70229.z03 5) TW_2.0.0805_12_HKEX-1.24.7.229_r70229.z04 6) TW_2.0.0805_12_HKEX-1.24.7.229_r70229.zip 7) TW_1.24.7.229_install.zip

- 3. Create a new folder "CLICK_1.24.7.229_INSTALL" in "C:\hkex\" and then close the window
- 4. Extract and unzip the contents of the following 2 zip files to "C:\hkex\CLICK_1.24.7.229_INSTALL" folder
- 1) TW_2.0.0805_12_HKEX-1.24.7.229_r70229.zip
- 2) TW_1.24.7.229_install.zip

24.7.2	.29_instanzip		
🕌 Еж	tract Compressed (Zipped) Folders		×
0	🚮 Extract Compressed (Zipped) Folders		
	Select a Destination and Extract Files		
	Files will be extracted to this <u>f</u> older:		
	C:\hkex\CLICK_1.24.7.229_INSTALL	B <u>r</u> owse	
	✓ Show extracted files when complete		
		Extract Cancel	

- 5. Copy the below CLICK Trade installation guide from "C:\hkex\" folder to "C:\hkex\CLICK_1.24.7.229_INSTALL" folder
- 1) CLICK Trade 1.24.7.229 Installation Guide (V1.3).pdf (this document)

- 6. Ensure a total of 10 files should be found in "C:\hkex\CLICK 1.24.7.229 INSTALL"
- CLICK Trade 1.24.7.229 Installation Guide (V1.3).pdf
 TW_2.0.0805_12_HKEX-1.24.7.229_r70229.msi
 Install_TW_1.24.7.229.cmd
 PC_info_collection.bat
 PC_info_g1.bat
 pc_info_g2.vbs
 w32time.reg
 Backup_Old_CLICK.cmd
 rename_dat_files.cmd
- 7. Double click C:\hkex\CLICK_1.24.7.229_INSTALL\Install_TW_Trade_1.24.7.229.cmd

In case that the workstation pop-up the message "Do you want to allow the following program from an unknown publisher to make changes to this computer?" Please press "Yes" to continue, then

🌍 Use	😵 User Account Control 🛛 🛛 🗙					
\bigcirc	Do you want to allow the following program from an unknown publisher to make changes to this computer?					
	Program name: C:\hkex\\TW_2.0.0805_12_HKEX-1.24.7.229_r70229.msi Publisher: Unknown File origin: Hard drive on this computer					
▼ Show <u>d</u> etails <u>Y</u> es						
	Change when these notifications appear					

the following screen will appear.

Genium INET Trading Workstation (1.24.7.229)	×
Genium INET Trading Workstation (1.24.7.229) Setup completed successfully.	
ОК	



8. Press "OK" to continue. Wait for the processing of workstation until the following screen appears.





- 9. Press "OK" to complete.
- 10. Check after new CLICK 1.24.7.229
 - All programs -> "NASDAQ OMX" folder contains New CLICK version: TW 1.24.7.229 (Post Genium version)



2.2.2 Information checking after successful CLICK Trade installation

The details for CLICK workstation and relevant information are listed in the following table.

TW 1.24.7.229 files	Path
Application Programs	C:\HKEX\ TW1.24.7.229\
Short-cut file:	Select Start -> ALL Programs -> NASDAQ OMX-> GENIUM INET Trading Workstation 1.24.7.229
Installation log and Workstation log	C:\HKEX\LOG\ "TW1.24.7.229_INSTALLATION_%COMPUTERNAME%.LOG"
	"TW1.24.7.229_RENAME_DAT_FILE_%COMPUTERNAME%.LOG" "PC_info_%COMPUTERNAME%.LOG"

Table 4 CLICK Trade Installation Information Table

After the installation, there should be two files generated. The following messages should be found at the end of the log file "TW_1.24.7.229_INSTALLATION_%COMPUTERNAME%.LOG" as shown below. This means the CLICK workstation installation has been completed successfully. If not, please call HKATS hotline for assistance.



2.3 Collection of installation log files

Please send the following log files to HKEx by email (email address: <u>CLICKSupport@hkex.com.hk</u>) after successful installation of CLICK Trade application.

a) TW_1.24.7.229_INSTALLATION_%COMPUTERNAME%.LOG

b) TW1.24.7.229_RENAME_DAT_FILE_%COMPUTERNAME%.LOG

b) PC_Info_ %COMPUTERNAME%.LOG

3 Verification

This section guides users to conduct the login test after CLICK Trade installation.

3.1 Prerequisite

- Your workstation must be set up at the central marketplace as a valid OMnet node. If not, contact your system administrator.
- You must be set up as a user with login name and password. If not, contact your system administrator.
- The application must be configured to connect to a valid OMnet gateway and socket.
- We assume that you are familiar with a computer and have been working with Windows 7 before.

3.2 Start the CLICK Trade Application

1. Start the application from the start menu.

Select Start → ALL Programs → NASDAQ OMX → GENIUM INET Trading Workstation 1.24.7.229

Or follow the path:

"C:\hkex\TW_1.24.7.229\TradingWorkstation.exe"

A login window will be displayed.

🕁 Trading Workstation 🛛 🛃				
\Leftrightarrow	Username:			
Tunithy	Password:			
	Log on	Cancel >>		

Figure 6 CLICK Trade 1.24.7.229 Login Window

2. Before the first time login of new CLICK Trade Application, execute the following file in the directory "C:\hkex\CLICK_1.24.7.229_INSTALL":

rename_dat_files.cmd A completion message will pop up. Click OK to close the window. 3. Go back to the CLICK Trade Application login window, continue by clicking the double arrow button.

The following window will be displayed:

😽 Trading Workstation 🛛 🔼				
	Username:			
<u>հայ</u> րիցո	Password:			
	Log on Cancel <<			
	Primary Gateway			
	Node:			
	Port:			
	Restore Latest Workspace			
	Restore Cached Static Data			
	Enable Network Encryption			
	Enable Network Compression			

Figure 7 Expanded Login Window

Enter your username and password in the login window.

The check box **Restore Latest Workspace** is automatically checked, which means that your windows will be displayed at the same location as when you last saved your configuration. Make sure the Restore Cached Static Data check box is selected, unless you have received other instructions from you system administrator or the exchange.

When "Restore Cached Static Data" check box is selected, stored data in the application will be verified to be correct and then used at logon instead of the system being queried for the same information. This is to reduce the log-on time. When the check box is cleared, on the contrary, the application will query the central system, asking for complete information regarding, for example, securities information. This will bring about a prolonged log-on time

Note: This "Restore Cached Static Data" box is selected by default.

The arrow button at the bottom displays additional fields which contain technical information necessary for the communication between the PC and the marketplace.



Figure 8 Login Window with sample parameters

4. Click "Log on".

Continue by clicking Log on button and complete the Checklist for CLICK Trade 1.24.7.229 login test form (Section 4).

3.3 Exit the CLICK Trade Application

- 1. Select the Exit alternative on the File menu.
- 2. Answer Yes or No in the dialog box that appears.

Note: Your orders will remain in the central orderbook if you exit the application by using the Exit function. It is not recommended to simply switch off the CLICK workstation application. If you have not inactivated the orders before exiting, the orders will be inactivated after about 12 minutes. If you login to the CLICK trade application after the orders have been automatically inactivated, you will have to activate the orders again.

4 Checklist for CLICK Trade 1.24.7.229 login test

*Login test can be conducted ONLY on designated date confirmed by HKEx as advised individually

Participant Code:	Date:
Participant Name:	Site(A to Z):

Please $\sqrt{}$ the following task if completed successfully. For any unsuccessful task, please call HKATS hotline for assistance.

Item		TW Workstation			
	W1	W2	W3	W4	W5
1) Did the CLICK Trade installation complete					
successfully?					
2) Could you ping the network gateway?					
Go to DOS prompt					
• Ping "your network gateway machine name"					
• The expected result is as follows,					
Reply from 172.16.xxx.11: bytes=32 time<1ms TTL=128 or 10.xx.xxx.xx: bytes=32 time<1ms TTL=128					
3) Is the workgroup name "HKATS"?					
4) Login CLICK Trade 1.24.7.229 as follows					
• Click the Start button.					
• Point to All Programs					
• Point to NASDAQ OMX					
• Select GENIUM INET Trading Workstation					
1.24.7.229					
Is the "Trading Workstation" shown as on Title Bar?					
Trading Workstation					
Username: 🔻					
Password:					
Log on Cancel >>					
5) Type Username and Password to attempt logging in					
Can you login successfully?					
If no, please call HKATS Hotline.					

Item		TW	Work	statior	1
	W1	W2	W3	W4	W5
 6) Click "Market" and then choose "Information Feed Status". Is the Information Feed Status shown as Online for ALL markets? Example of Information Feed Status window: 					
7) Click "Market", and then choose "Price Information". Type HSI* in the tab. Is there any price displayed? Example of Price Information window: Price Information [H5I*] Instrument Market Market Market Market-Best Ask Quantity Market-Best Ask Quantity Market-Best Ask Quantity <td></td> <td></td> <td></td> <td></td> <td></td>					
8) Comment:					

Participant Staff Signature	Participant Staff Name

<u>Please fill in the appropriate boxes and return the completed form to the Exchange at 2509-0724, 2878-7548, 2815-7616 or 2877-0017 via facsimile.</u>

5 Troubleshooting

5.1 Internet connection problem

Please note that the CLICK workstation should be connecting to the <u>closed network</u> which cannot access the public internet.

If the problem began in your CLICK workstation after you installed new software, check your connection settings to see if they have been changed.

Run the Network troubleshooter first and then test your Internet connection. To open the Network troubleshooter,

right-click the network in the notification area of your taskbar, and then click Troubleshoot problems.



Figure 9 Plug an Ethernet cable into this computer

For detail connection issues, please check the "Wired and wireless network connection problems in Windows" from the following link of Microsoft website.

http://windows.microsoft.com/en-US/windows/help/wired-and-wireless-networkconnection-problems-in-windows

5.2 Insufficient privileges to install software

If the Microsoft Windows account is not authorized to install software, the following window will be displayed during installation. Please press "Cancel" to quit the installation, login as Administrator and retry the installation.



Figure 10 CLICK Trade Installation Insufficient Privileges Message

5.3 Error when login CLICK Trade Application 1.24.7.229

If the following error message pops up when user login the CLICK Trade Application 1.24.7.229, please follow the steps below.



1. Execute the following file in the directory "C:\hkex\CLICK_1.24.7.229_INSTALL":

rename_dat_files.cmd

- 2. A completion message will pop up. Click OK to close the window.
- 3. Go back to the CLICK Trade Application login window and login again.

5.4 CLICK version checking

Example: Login old version of CLICK Trade to new Genium backend

The CLICK version 1.24.4.8838 is the previous Post Genium version which will be replaced by new CLICK software version 1.24.7.229 (Post Genium version).

EP can make use of new CLICK version 1.24.7.229 once schedule confirmed



Click Trading Workstation -> Help -> About Trading Workstation

6 Network Configuration

This section instructs users how to configure the network card interface.

6.1 Workgroup and Computer Name

1. Use the cursor to point to "My Computer" icon from desktop, and then right click, select "Properties". The following window will be displayed.



Figure 11 System Properties Window

2. Continue by clicking "Change settings" on the Computer Name. The following window will be displayed.



Figure 12 System Properties Window

3. Continue by clicking "Change ..." and the following window will be displayed.

	Computer Name/Domain Changes 🛛 🗙	
	You can change the name and the membership of this computer. Changes might affect access to network resources. <u>More information</u>	
(Emputer name: ABCW01001	
	Full computer pame: ABCW/01001	
	<u>M</u> ore	
	C Domain:	
\langle	(* Workgroup: HKATS	
	OK Cancel	

Figure 13 Computer Name Changes Window

Note: Input Computer Name and Workgroup, please refer to table 1 of section 2.1.6.

4. Click "OK" then reboot the workstation.

6.2 Network Card Settings

1. Start ->Control Panel->All Control Panel Items->Network and Sharing Center

~	a tease and the second second	
🔾 🔾 🗢 🙀 « All Control Panel	It Network and Sharing Center	✓ 4 Search Control Panel
Control Panel Home	View your basic network inforr	nation and set up connections
Change adapter settings Change advanced sharing settings	ABCWA5 Network 3 (This computer)	See full map Internet
	View your active networks	Connect or disconnect
See also		Access type: No Internet
HomeGroup	Network 3	Connections All Local Area
Internet Options	Work network	
Windows Firewall	Change your networking settings	

Figure 14 Network and Sharing Center Window

2. Select "Local Area Connection", the following window will be displayed.

Local Area Connection Status	X
General	
Connection	
IPv4 Connectivity:	No Internet access
IPv6 Connectivity:	No network access
Media State:	Enabled
Duration:	00:25:17
Speed:	100.0 Mbps
Details	
Activity	
Sent —	Received
Bytes: 723,652	893,510
Properties Disable	Diagnose
	Close

Figure 15 Local Area Connection Status Window

3. Continue by clicking "Properties", the following window will be displayed.

Local Area Connection Properties
Networking
Connect using:
Intel(R) 82578DM Gigabit Network Connection
This connection uses the following items:
✓ Client for Microsoft Networks ✓ ✓
Description Allows your computer to access resources on a Microsoft network.
OK Cancel

Figure 16 Local Area Connection Properties Window

4. Continue by clicking "Configure", depending on the setting of workstation, one of the following windows will be displayed.

Ir	Intel(R) 82578DM Gigabit Network Connection P	roperties X
	VLANs Driver	Details
	General Unik Speed Advanced	Power Management
	Link Speed and Duplex Settings Intel(R) PROSet Version: 15.2.89.	2
	Link Status Speed: 100Mbps/Half Duplex	
\langle	Speed and Duplex:	Diagnostics
		dentify <u>A</u> dapter
	Speed and Duplex Setting. By default, Intel8 to automatically detect and negotiate speed and If the adapter fails to connect, you can set the t settings to match those of the link partner.	adapters are set duplex settings. speed and duplex
	Copyright, legal disclaimers, and support inform	ation
		T
		OK Cancel

Figure 17a Local Network Card Setting Window

eneral	Advanced Drive	er Details	Power Management	
5	Intel(R) 82578DN	l Gigabit Ne	stwork Connection	
	Device type:	Network	adapters	
	Manufacturer:	Intel		
	Location:	PCI bus	0, device 25, function 0	
				-
				*
				*

Figure 17b Local Network Card Setting Window

5. For case a, select "Link Speed" tab, in "Speed and Duplex" field, choose "100 Mbps Full Duplex".

For case b, select "Advanced" tab, in "Property" and Value fields, choose "Link Speed and Duplex" and "100 Mbps Full Duplex" as shown in the following window.

The following properties are available for he property you want to change on the on the right. Property: Adaptive Inter-Frame Spacing Flow Control Gigabit Master Slave Mode Interrupt Moderation	this network adapter. Click left, and then select its value <u>Value:</u> 100 Mbps Full Duplex
Tow Control Sigabit Master Slave Mode Interrupt Moderation	TUU Mbps Full Duplex
Interrupt Moderation Hate IPv4 Checksum Offload Jumbo Packet Large Send Offload (IPv4) Large Send Offload (IPv6) Unk Speed & Duplex Docally Administered Address Log Link State Event Priority & VLAN Receive Buffers	

6. Click "OK" then go to "Local Area Connection Properties" Window, the following window will be displayed.

🔋 Local Area Connecti	on Status		x
General			
Connection			-
IPv4 Connectivity:		No Internet access	
IPv6 Connectivity:		No network access	
Media State:		Enabled	
Duration:		00:25:17	
Speed:		100.0 Mbps	
Details			
Activity			-
	Sent —	Received	
Bytes:	723,652	893,510	
Properties	Disable	Diagnose	
		Close	2

Figure 18 Local Area Connection Status Window

7. Continue by clicking "Properties", the following window will be displayed.

Local Area Connection Properties
Networking
Connect using:
Intel(R) 82578DM Gigabit Network Connection
Configure
This connection uses the following items:
Description Allows your computer to access resources on a Microsoft network.
OK Cancel

Figure 19 Local Area Connection Properties Window

8. Click "Internet Protocol Version 4 (TCP/IPv4)", then the following window will be displayed.

Local Area Connection Properties	x
Networking	
Connect using:	
Intel(R) 82578DM Gigabit Network Connection	
This connection uses the following items:	
Client for Microsoft Networks	
🗹 📮 Virtual PC Network Filter Driver	
🗹 📮 Qo S Packet Scheduler	
File and Printer Sharing for Microsoft Networks	
Internet Protocol Version 6 (TCP/IPv6)	
Internet Protocol Version 4 (TCP/IPv4)	
Link-Layer Topology Discovery Mapper I/O Driver	
🗹 🔺 Link-Layer Topology Discovery Responder	
Install Uninstall Properties	\supset
Description	
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	t
ОК Са	incel

Figure 20 Local Area Connection Properties-(TCP/IPv4) Window

- Internet Protocol Version 4 (TCP/IPv4) Properties 2 General You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings. Obtain an IP address automatically Use the following IP address: — 172 . 19 . 1 . 1 IP address: Subnet mask: 255 . 255 . 255 . 0 Default gateway: 172 . 19 . 1 . 251 Obtain DNS server address automatically O Use the following DNS server addresses: Preferred DNS server: . . . Alternate DNS server: . . . Validate settings upon exit Advanced... OK Cancel
- 9. TW the "Properties", the following window will be displayed.

Figure 21 Internet Protocol Version 4 (TCP/IPv4) Properties Window

Note: Input IP address, Subnet Mask and Default Gateway, please refer to table 1 of section 2.1.6.

10. Click "OK", then reboot the workstation.

6.3 Windows Time Services

1. Double click "C:\hkex\TW1.24.7.229_INSTALL\W32TIME.REG" for time services synchronized by every 3 hours.

The message "Do you want to allow the following program from an unknown publisher to make changes to your computer?". Please Click "Yes" to continue.

2. Click on the clock on system tray and the following window will be displayed.



Figure 22 Change Date and Time Setting Window

3. Select "Change date and time setting...", the following window will be displayed.



Figure 23 Time Zone Window

4. Select "Change time zone...", the following window will be displayed. Select "Hong Kong" in the time zone and press "OK" button to continue.

	Time Zone Settings
	Set the time zone:
	Time zone:
((UTC+08:00) Beijing, Chongqing, Hong Kong, Urumqi 🔹
	Current date and time: 28 November 2011, 17:10
	OK Cancel

Figure 24 Time Zone Settings Window

5. Select "Internet Time" tab. The following window will be displayed.



Figure 25 Date and Time Window

6. Select "Change settings…" and input the NG Host Name or IP address in Server box. Then click "Update now" button.

Example: NG: abc, site 01
💼 Internet Time Settings
Configure Internet time settings:
Sinchronize with an Internet time server
Server: abcg01
The clock was successfully synchronized with abcg01 on 13/06/2013 at 16:57.
OK Cancel

Hosting NG Example: NG: abc, site 01 (Hosting Service NG)
🕂 Internet Time Settings 🛛 💌
Configure Internet time settings:
Synchronize with an Internet time server
Server: abch01
The clock was successfully synchronized with abch01 on 13/06/2013 at 17:18.
OK Cancel

Figure 26 Example dump screen for Server NG Host name

Note: Input IP address or Host Name of NG, please refer to table 1 of section 2.1.6.

7. If success, the following window will be displayed.



Figure 27 Date and Time Window

8. Click "OK".

6.4 Services and Settings

6.4.1 Introduction

The CLICK Trade application is tested under SDNET with no firewall device placed between network gateway and CLICK workstations.

6.4.2 Prerequisite

The workstation group must be "HKATS" – refer to Table 1 of section 2.1.6

6.4.3 Limitation

Participants must not perform any unauthorised access or security scanning (no matter at network, system or application level) on the HKATS system and any related network device not owned by them. Any such attempt will be regarded as illegal access or malicious intrusion to HKATS system.

7 Remove the short-cut for old CLICK

7.1 Go to the old CLICK short-cut folder

(e..g "C:\ProgramData\Microsoft\Windows\Start Menu\Programs\NASDAQ OMX" or

"C:\ProgramData\Microsoft\Windows\Start Menu\Programs\NASDAQ OMX (Backup Version)"

. <u>g</u> .		
🗸 🕞 📲 « Microsoft 🕨 Windows 🕨 Start Menu 🕨	Programs + NASDAQ OMX (Genium) +	+ ++ Search NASDAQ OMX P
Organize 🔻 🔟 Open Burn New folder		# • 🗖 📀
Favorites Desktop Downloads Recent Places Libraize	Design 0801.40662 HKEX	Date modified Type 25/07/2013 10:25 File folder 26/06/2013 15:34 File folder 26/06/2013 12:05 File folder 25/06/2013 16:15 Shortcut
Documents Music Pictures Videos	Open Troubleshoot compatibil Pin to Taskbar Pin to Start Menu	ty
GENIUM INET Trading Workstation 1.14 Shortcut	Date modified: 28 Size: 2.4 Cut	> 2013 11:48
Cleaning PD 2005001 Inceling Dottedution Inceling Dottedution Inceling Dottedution Inceling Dottedution Inceling Dottedution Inceling Dottedution	Copy Create shortcut defining destealth Sename	
20 2006901 Fredhey 3 2006907 Workstate	Properties 200,805	
20 200501 Trading P0 200501 Researce To	Name And And And And And And And And And And	
🧿 🙆 🚞 🖉 🐺 🌡	- 🔤 🤌 🐋 😫	🚰 📑 EN 😺 🥥 🛤 🖬 🚸 🖻 🦏 🛷

Figure 28 Delete old CLICK shortcut icon

7.2 Delete the old CLICK short-cut file (version 1.14.4.43 or 1.14.4.6509)

User can delete the following old CLICK if they don't want to keep the Click backup

Old CLICK

- a) "GENIUM INET Trading Workstation 1.14.4.43" file or
- b) "GENIUM INET Trading Workstation 1.14.4.6509" file

8 CLICK Trade 1.24.7.229 Installation (Full Screen mode)

8.1 Detail Full Screen Installation Procedure

(Remarks: Full Screen mode installation is only for those users who failed to install the CLICK Trade 1.24.7.229 using <u>Silent Mode Installation</u>)

- 1. Login Administrator or equivalent.
- 2. Double click "C:\hkex\CLICK_1.24.7.229_INSTALL\TW_2.0.0805_12_HKEX-1.24.7.229_r70229.msi"

The following window will be display.

🖶 Genium INET Trading Workstation (1.24.7.229)
Welcome to the Genium INET Trading Workstation (1.24.7.229) Setup Wizard NASDAQ OMX
The installer will guide you through the steps required to install Genium INET Trading Workstation (1.24.7.229) on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel < Back Next >

Figure 29 Installation wizard 1

3. Click "Next" button and following window will be display.

Genium INET Trading Workstation (1.24.7.229)			
Select Installation Folder			
NASDAQ OMX			
The installer will install Genium INET Trading Workstation (1.24.7.229) to the following folder.			
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".			
Folder			
C:\Program Files\NASDAQ OMX\Genium INET Trading Workstation\ Browse			
Disk Cost			
Install Genium INET Trading Workstation (1.24.7.229) for yourself, or for anyone who uses this computer:			
◯ Just <u>m</u> e			
Cancel < <u>B</u> ack <u>Next</u> >			

Figure 30 Installation wizard 2

Input Folder name from "C:\Program Files\NASDAQ OMX\Genium INET Trading Workstation to "C:\hkex\TW_1.24.7.229\" and check "Everyone" box

4. Click "Next" button and following window will be display.

🙀 Genium INET Trading Workstation (1.24.7.229)	
Select Installation Folder	
NASO	AQ OMX
The installer will install Genium INET Trading Workstation (1.24.7.229) to the follo	owing folder.
To install in this folder, click "Next". To install to a different folder, enter it below o	r click "Browse".
<u>F</u> older:	
[c:\hkex\TW_1.24.7.229	B <u>r</u> owse
	<u>D</u> isk Cost
Install Genium INET Trading Workstation (1.24.7.229) for yourself, or for anyor computer:	ne who uses this
Cancel < <u>B</u> ack	Next >

Figure 31 Input Installation Path

🙀 Genium INET Trading Workstation (1.24.7.229)		
Confirm Installation			
		NASI	XMO PAC
The installer is ready to install Genium INET Click "Next" to start the installation.	Trading Worksta	ation (1.24.7.229) o	n your computer.
	Cancel	< <u>B</u> ack	Next >

Figure 32 Installation Wizard 3

Click "Next" button and following window will be display.



Figure 33 Installation Wizard 4

5. Click "Close" to finish installation

8.2 Detail Full Screen Installation Procedure (log collection)

- 1) Double click C:\hkex\TW_1.24.7.229_INSTALL\PC_info_collection.bat
- 2) Installation log collection

Please send the following log files to HKEx by email (email address: <u>CLICKSupport@hkex.com.hk</u>) after successful installation of CLICK Trade application.

- a) c:\hkex\log\TW_1.24.7.229_INSTALLATION_%COMPUTERNAME%.LOG
- b) c:\hkex\log\PC_Info_%COMPUTERNAME%.LOG