



**QnoSoftKey Intelligence VPN
Connection Key
Quick Installation Guide**

2010 · 7

Qno Technology Inc.

Thank you for choosing QnoSoftKey intelligent VPN connection key from Qno. You will understand and learn how to use this product with this Quick Installation Guide quickly.

QnoSoftKey Secure VPN Connection is a VPN client solution developed by Qno Technology Inc. QnoSoftKey works with QnoSoftKey Client Mode Utility to establish IPsec VPN connection to have both convenience and security. QnoSoftKey can be used in Windows 2000/XP/Vista/Win 7 Operating System.

This Quick Installation Guide is mainly for introducing how to use QnoSoftKey Client Utility for creating VPN connection quickly. Before VPN connection, you need to install QnoSoftKey Client Utility. If your administrator has installed the QnoSoftKey User Mode Utility on your PC, you can execute directly. The QnoSoftKey User Mode Utility can be installed from CD. If you need to install by yourselves, please refer to Appendix-1.

Note before VPN connection:

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- Please confirm the User Mode Utility has been installed on your computer.
 - Please confirm that your computer has connected to LAN or WAN.
 - Being QnoSoftKey user, before you can use the QnoSoftKey, you are required to obtain the Username & Password in order to logon the QnoSoftKey.

1) Logon QnoSoftKey Client

If your computer has already been installed QnoSoftKey Client Mode Utility, the shortcut below will

appear on the desktop. Double click the shortcut to start running the QnoSoftKey Client Mode Utility.



Figure 1 : shortcut of the Client Mode Utility

After starting the Client Mode Utility, the user logon page will appear first. On the top of the screen, the language including "Simplified Chinese", "Traditional Chinese" and "English" is available to choose. The grey area is the indication. You can follow the indication to operate systematically as shown in the figure below.

Press QnoSoftKey Bottom



Figure-2 : The QnoSoftkey Bottom

QnoSoftkey Logon Page



Figure-2 : User logon screen

Please enter Router's IP, Username and Password to start VPN connection.

- Router IP :** VPN Server's IP address
- Username :** The Username and Password is pre-defined for you by network administrator.
- Password :**

2) Establish VPN connection

After the correct Pin Code is entered, it will enter the Client Mode screen.



Figure-4 : Client Mode screen

After the “Connect” is clicked, the Utility begins reading the data from QnoSoftKey and responses to the router. Click “Cancel” button to cancel the connection and back to the previous page.

During the connection process, the data transmitted in both sides will be shown in the “Message” field. The response time is shown in front of each information statement. During the response process, the “Disconnection” and “Cancel” are shown as grey and are not available to select. They are shown in Figure 5.

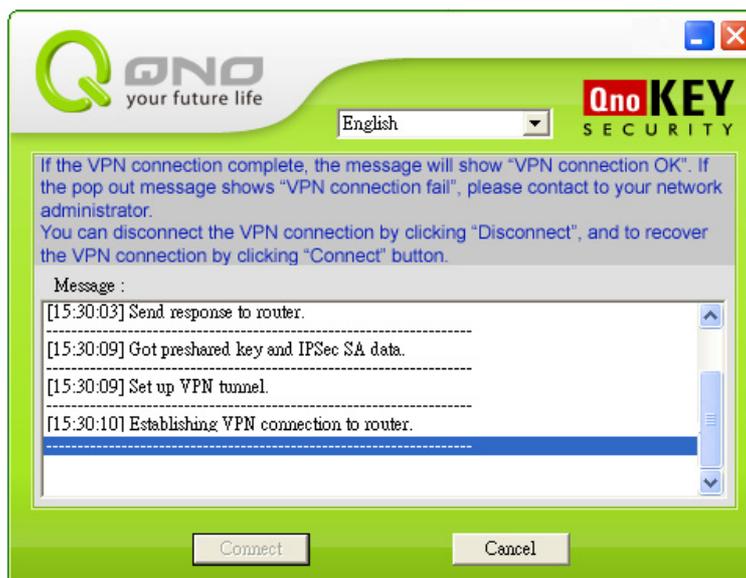


Figure-4 : Client Mode screen

After the “Connect” is clicked, the Utility begins reading the data from QnoSoftKey and responses to the router. Click “Cancel” button to cancel the connection and back to the previous page.

During the connection process, the data transmitted in both sides will be shown in the “Message” field. The response time is shown in front of each information statement. During the response process, the “Disconnection” and “Cancel” are shown as grey and are not available to select. They are shown in Figure 5.

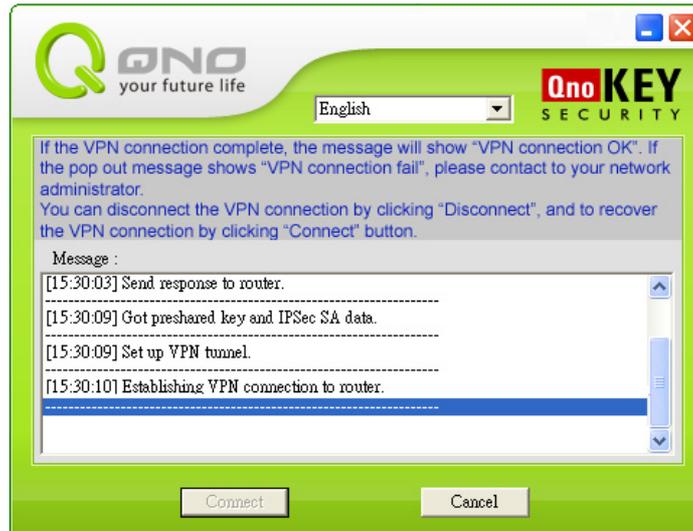


Figure 5 : Client mode message screen

The data transmitted by both sides during the running process is shown below:

| | |
|--|--|
| Start connection and challenge response protocol | Start connection and send the response request |
| Get challenge from router | Receive the response from router |
| Send response to router | Send the response to router |
| Got preshared key and IPsec SA data | Receive the public key and IPsec SA data |
| Set up VPN tunnel | Establish VPN connection channel |
| Establishing VPN connection to router | Confirm establishing VPN connection to router |
| VPN connection OK | VPN connection successful |

If the IPsec VPN connection is successful, the “VPN Connection OK” message will appear in the Message field.

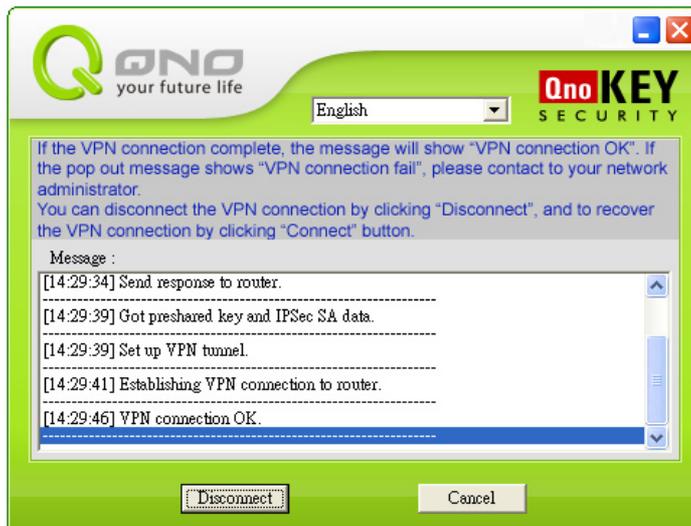


Figure 6 : Client mode connection successful ending screen

After the successful connection, the “Disconnection” and “Cancel” will be available to choose.

Under the connection status, the key of the Q icon on the bottom right corner of the Task Bar will be orange, which means it is on-line. If the key of the Q icon is grey, it means it is off-line. They are shown in the figure below.



Figure 7 : under the connection status, the icon is orange

Note: After the successful VPN connection, the Client mode window cannot be closed. Otherwise, the program will be ended and the VPN will be disconnected.

In the Client mode window, click the minimize icon and the program will be minimized to the bottom right of the Task Bar. Left click the small icon to choose the options including “About”, “Auto execute when Windows startup”, “Open”, “Return to Main Page”, “Connect” and “Exit”. They are shown in Figure 8.

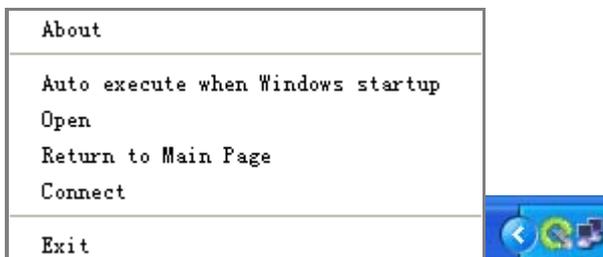


Figure 8 : Task Bar minimized icon

3) Disconnection of VPN

When it is not necessary to establish connection, for the data security reason, the “Disconnection” button can be clicked to disconnect the VPN.

After the successful disconnection, the “Disconnect VPN OK” message will be shown in Information field. They are shown in Figure 9.

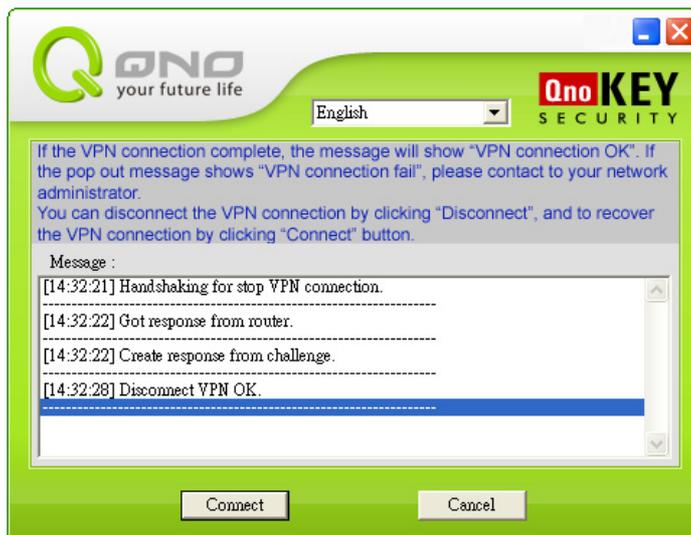


Figure 9 : Screen of disconnection ending in Client Mode

After the disconnection of VPN, you may pull out the QnoSoftKey. For security reason, please keep it safely. If the QnoSoftKey is pulled out during the VPN connection, the Client Mode Utility will be ended automatically. The established IPsec VPN channel will also be removed.

Our company reserves the right to modify the product. The proper modification of the details will not announce accordingly. Please contact Qno resellers periodically, or browse our official website www.qno.cn to get the updated version of this manual and the updated information of this product. If there is any problem on using the product, please contact your network administrator. Thank you for using our product.

Appendix 1- Installation Guide

You may follow the steps below to install the QnoSoftKey Management Software and Client Software.

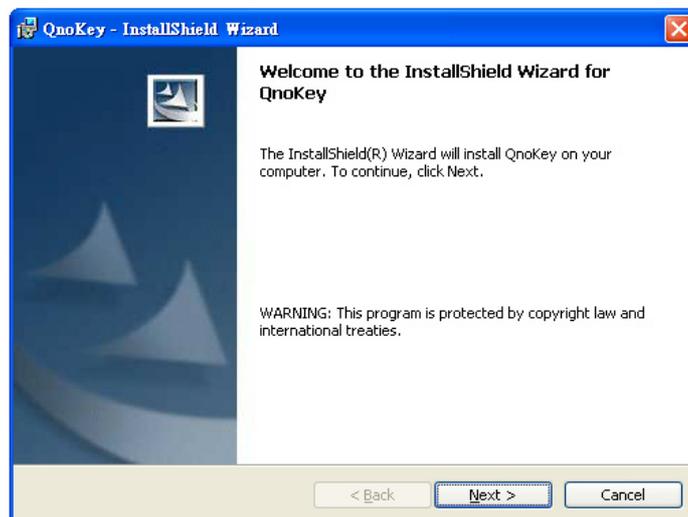
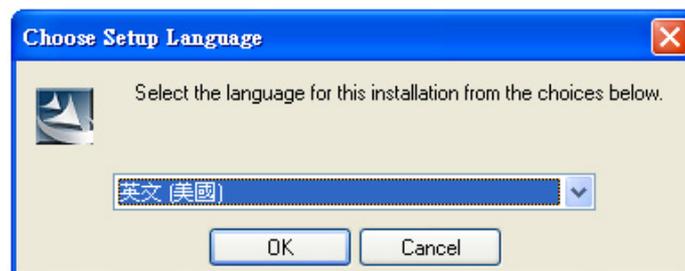
Recommendation: close all applications and windows.

1. Put the CD Kit bundled with QnoSoftKey into the CDROM of your computer. The CD will be run automatically and the following screen will be displayed.

If the CD does not run automatically, please execute index.exe under the root of the CD.

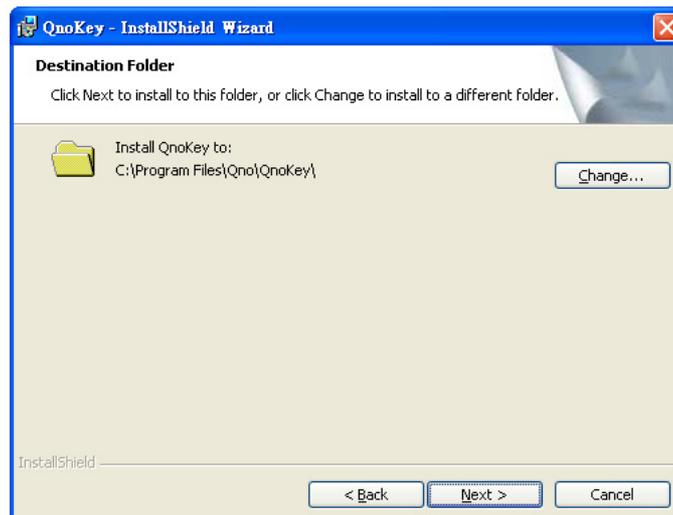
2. Click the “QnoSoftKey Management Software” to start the installation.

3. Click the “Next” and the Agreement screen will be appeared. You must agree the Agreement before you can continue the installation.

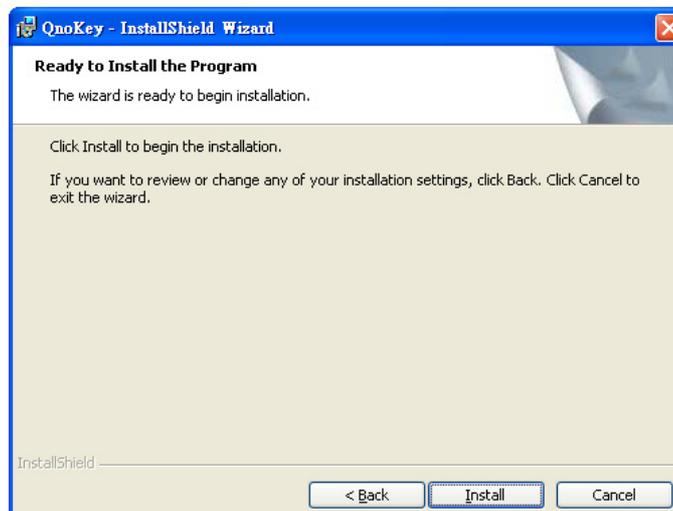




4. Click the “Next” and the installation directory screen will appear. You can choose the directory for the installation.

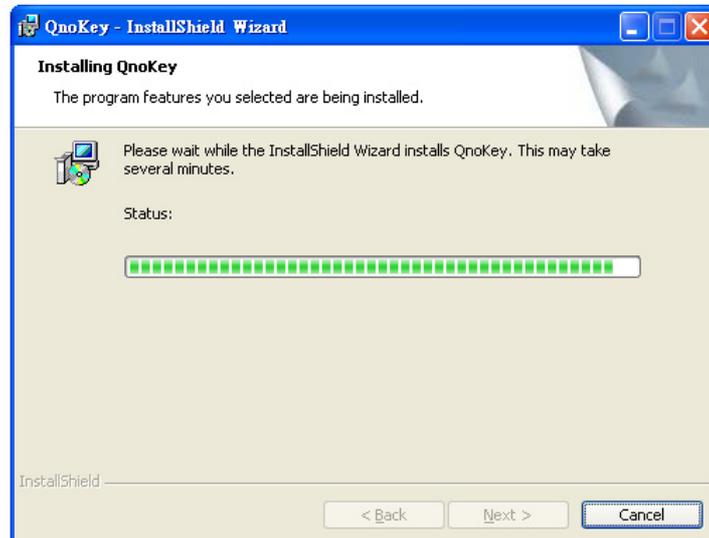


5. Click “Next” and the enquiry screen appears. Click “Install” to confirm the installation.

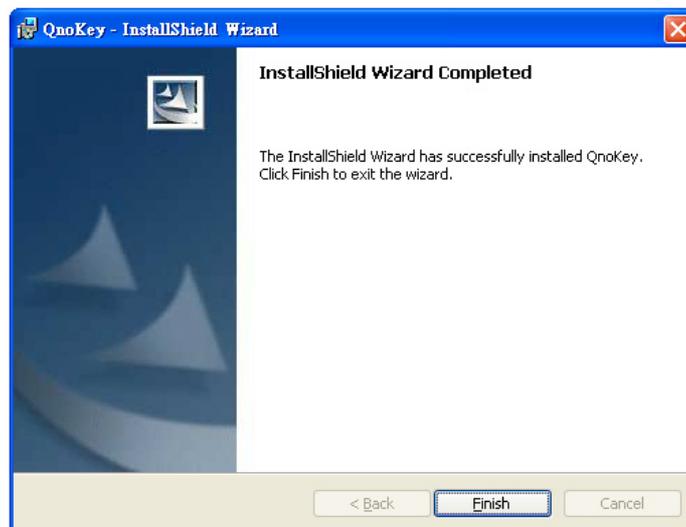


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6. Click “Install” and the installation program will install the driver, application and management tool of QnoSoftKey automatically.



7. Installation is successful. Click “Finish” to exit from the installation wizard.



8. Locate the relevant icon on desktop. Click the icon to start the QnoSoftKey Privilege Mode Utility or Client Mode Utility.



Appendix 2 Qno Technical Support

More information about the technical support of Qno product can be found in Qno broadband Forum and relevant actual example can be found in FTP server. You may also contact with the technical support department of the Qno resellers and Qno China Mainland Technical Center.

Online forum and FTP server :

Forum : <http://www.Qno.com.tw> click "Online forum"

FTP server : Qnoftp.3322.org

Contact method of the major resellers :

Users may browse the Service page of the website to check the contact method of the major resellers :

http://www.Qno.com.tw/web/where_buy.asp

Technical support :

Email : service1@qno.com.tw

MSN : service1@qno.com.tw