

WK 4900 Installation Guide



Software Name: WK 4900 UI

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Disclaimer

This software only provides the convenience of remote measurement. Users should pay close attention to the conditions of the instruments, fixtures and objects to be measured to avoid damage and disasters.

The company is not responsible for any damages, disasters, legal liabilities and other compensation liabilities caused by the software. If this is not acceptable, please do not use this software.

※ To avoid any risk, please pay attention to the following:

1. Before using this software, please read the installation and operation instructions of the instrument and software carefully, especially the section about safety principles.
2. Our company will not provide any technical services or support for those using counterfeit or unauthorize software.
3. Our company will not hold any responsibility for malfunction or indirectly damage of the instrument if testing is not properly disconnected from the operation interface of this software.

Reverse engineer, reverse assemble, reverse compile and other modifications to this software is strictly prohibited. Any other software derived from this software that is not developed and officially released with the authorization of Asia-Pacific Instrument Testing Co., Ltd. is consider illegal. Download, install, or use unauthorize software may lead to unpredictable risks. Our company will not hold any responsibility for any legal liabilities and disputes caused by unauthorize software. Moreover, we will not provide any customer service for unauthorize software as well.

Chapter 1 Safety Protocol

1.1 Introduction

This software can only use by 4900 LCR Engine to perform measurement. Users should have sufficient electrical background knowledge and read the software operation manual carefully to ensure safe operation. Managers should formulate safety regulations to require users to follow to ensure private and public safety.

1.2 Machinery Safety Precautions

※While using the software, please pay close attention to the following:

1. Avoid any contacts with the conductors or the buttons on the instrument directly when using this software. To interrupt the communication between the instrument and the software, please close the interface of the software first to disconnect.
2. When using this software, you should always pay close attention to the condition of the measured object and the instrument. If necessary, turn off the power immediately of the instrument to avoid danger.
3. In order to ensure the measurement quality, please first calibrate the instrument before any measurement task.
4. For your safety, please shut down the software and remove the power of the instrument before starting the hardware installation.

Chapter 2 Hardware installation

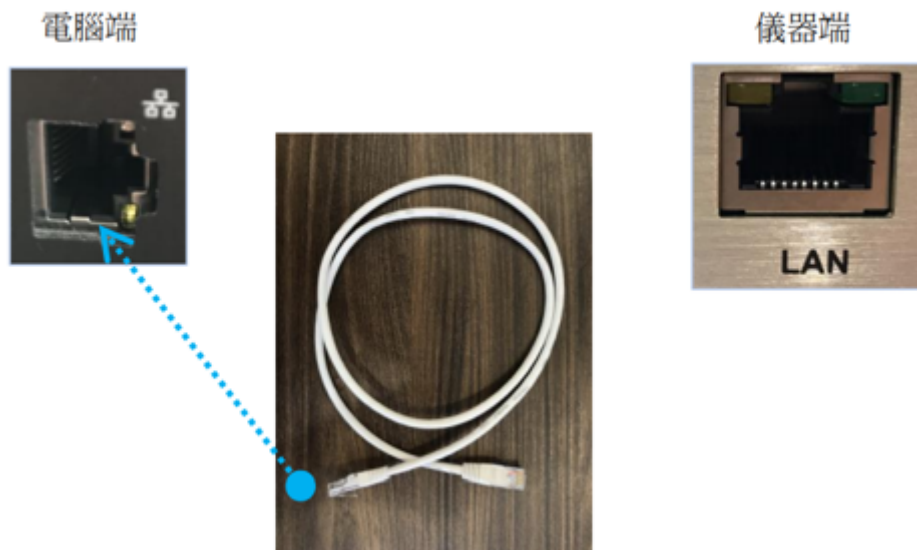
2.1 Instrument Port

Please refer to Wayne Kerr instrument user guide for hardware installation

2.2 PC/Tablet Port

2.2.1 LAN Cable Connector

Use LAN cable (RJ-45 recommended) as a direct connector between instrument and pc



Pic 1 LAN cable connector

2.2.2 USB Key

※If user want to save the data results or graph from Data Logging or Analysis, it is required to use the USB key to grant access.



Pic 2 USB Key

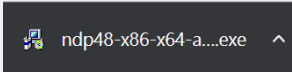
Pic 2 is the USB key for 4900 software permission. If USB wasn't insert to the pc while running the 4900 software program, user may face limitations on certain functions such as saving data or saving graphs.

Chapter 3 Software Installation

3.1 System Requirements

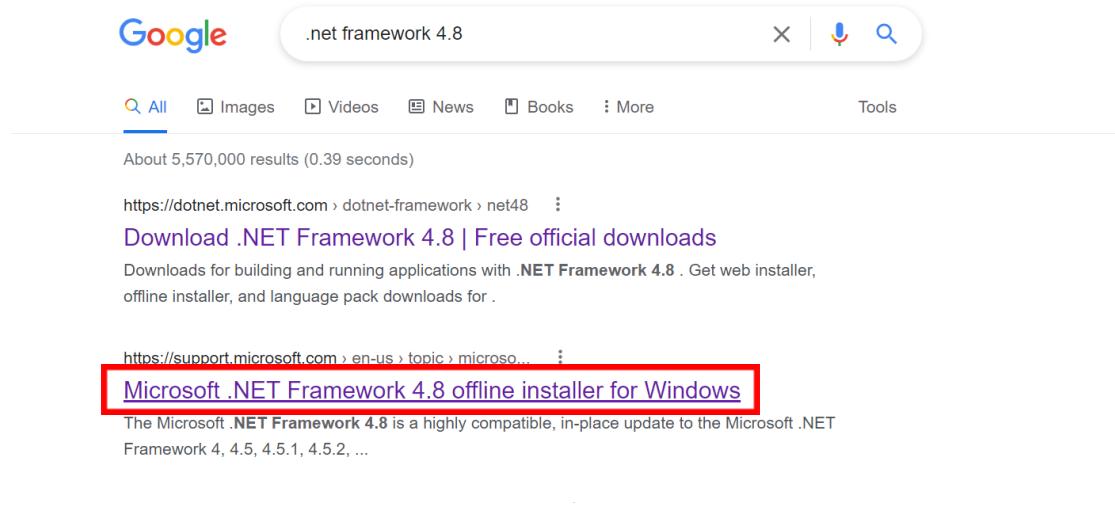
Components	Description
Operating System	Windows 10
CPU	Intel Core 2 Duo 1.86 GHz or higher
Ram	4GB RAM
Storage	200 MB

3.2 Procedures

Step	Actions	Descriptions
1	 ndp48-x86-x64-a...exe ^	Download.Net Framework 4.8
2	Connect LAN cable	2.2.1
3	Change Interface Card Settings	3.4
4	4900_UI.exe	Run WK 4900 software

3.3 Installation Procedure

Install .Net Framework 4.8



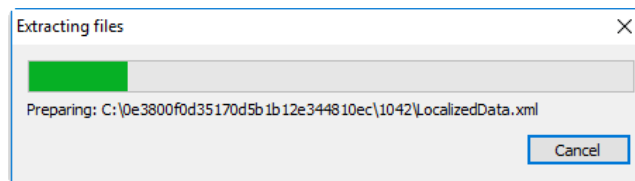
Download information

The following files are available for download from the .NET Download site:

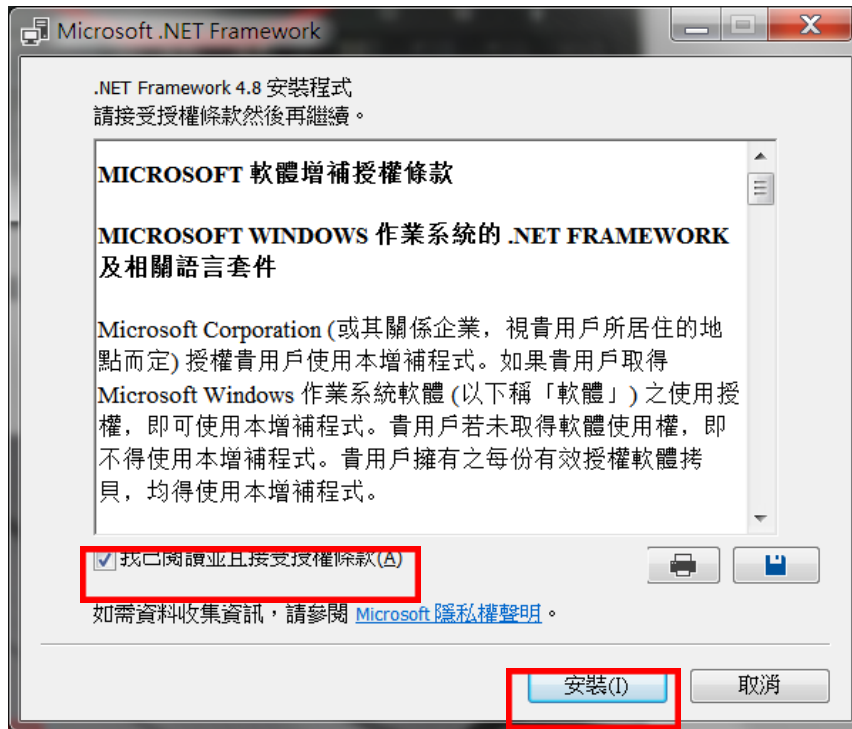
[Download the Microsoft .NET Framework 4.8 offline installer package now.](#)

Pic 3 .Net Framework 4.8 Installment file

Pic 3 Execute ndp48-x86-x64-all.exe to install .Net Framework 4.8.

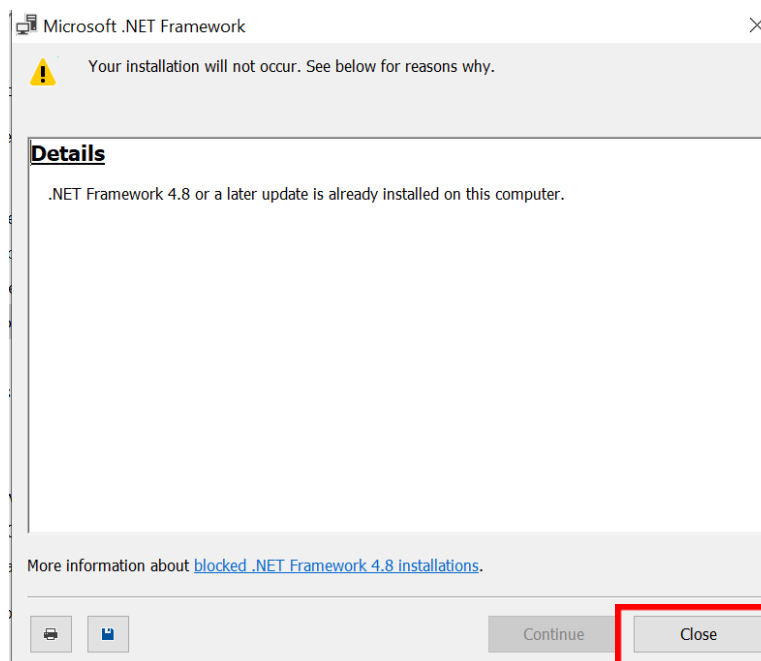


Pic 4 Unzip .Net Framework file



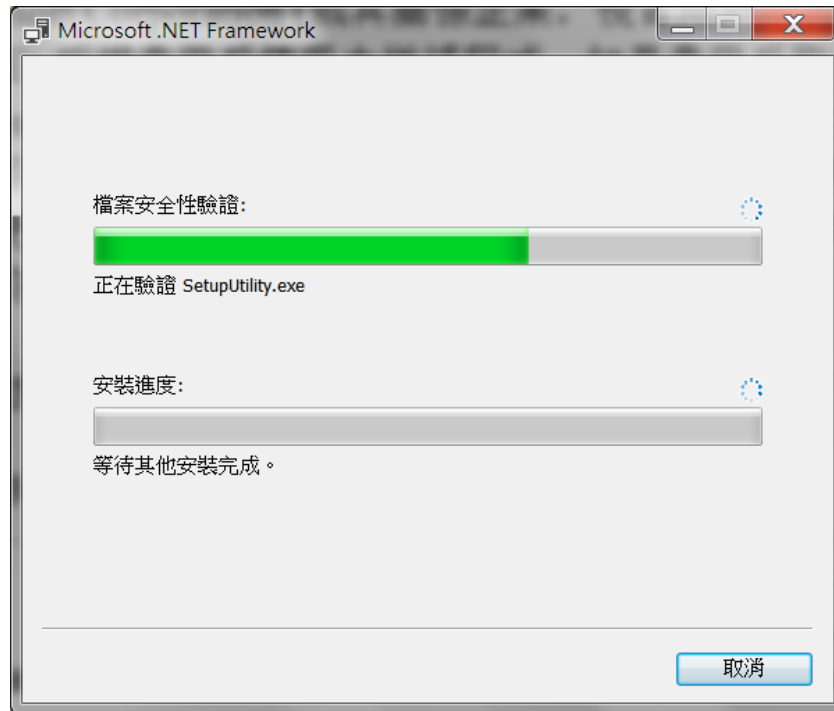
Pic 5 .Net Framework Agreement Page

Pic 5, Please carefully read .Net Framework agreement form. Click on “I agree and accepts terms and conditions”, press「Install」; Disagree, Press「Cancel」。



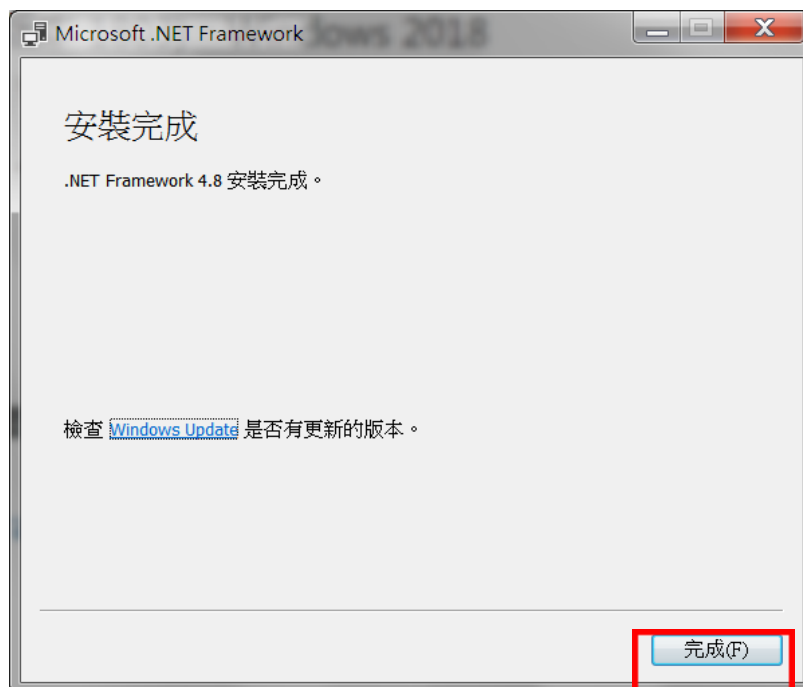
Pic 6 Previously Install .Net Framework4.8 before

Pic 6, If PC/Tablet had previously installed Net Framework 4.8 before, user can skip to next chapter (3.4).



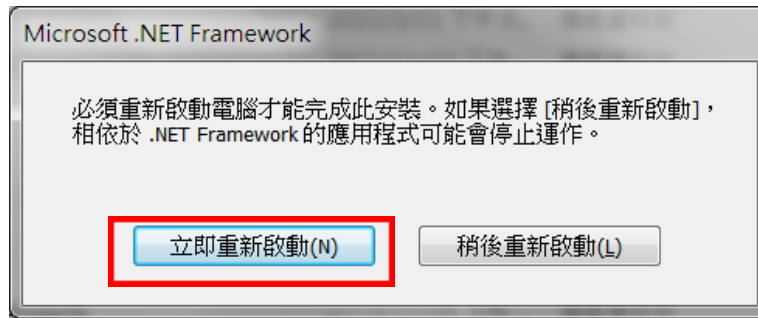
Pic 7 Currently Install.Net Framework

Pic 7 , If current PC/Tablet has never install .NET Framework 4.8 before, then it will automatically start the installation procedure. The screen will show the progress of installment of .Net Framework. Please patiently wait until all installation is completed.



Pic 8 Finished Installing.Net Framework4.8

Pic 8 After finished Installing, press「Complete」button to continue。

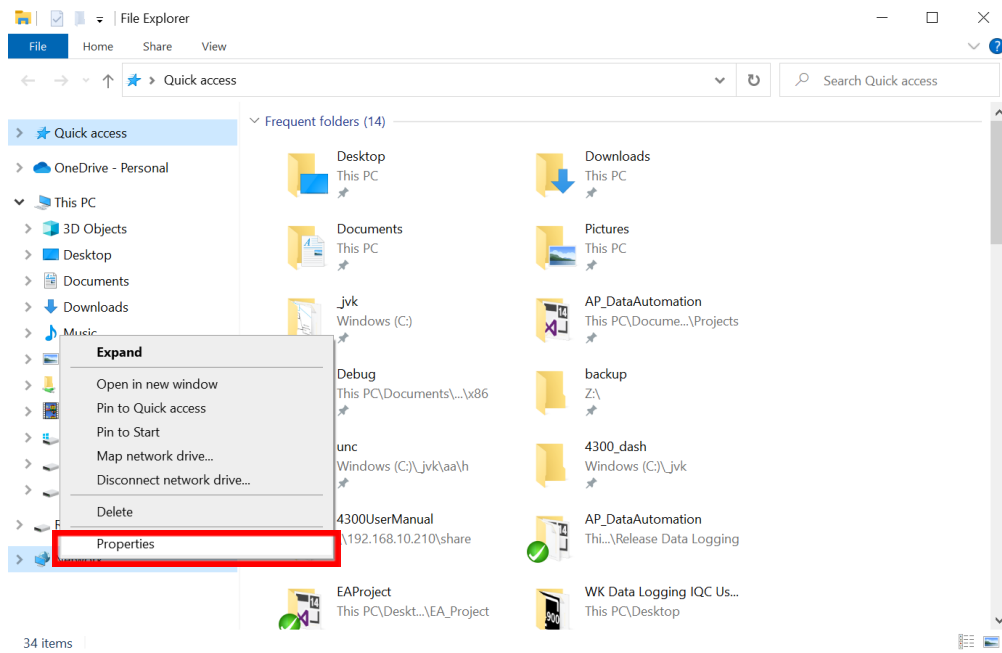


Pic 9 .Net Framework4.8 Restart Device now

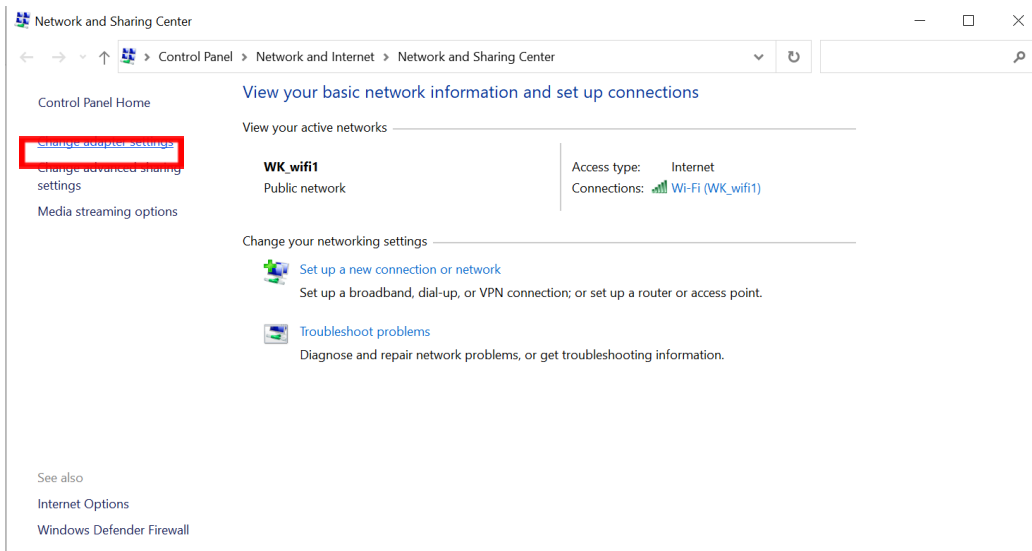
Pic 9 , To ensure .NET Framework to run smoothly, user is highly recommended to reboot the system. Please press「Restart Immediately」

3.4 Change Interface Card Options

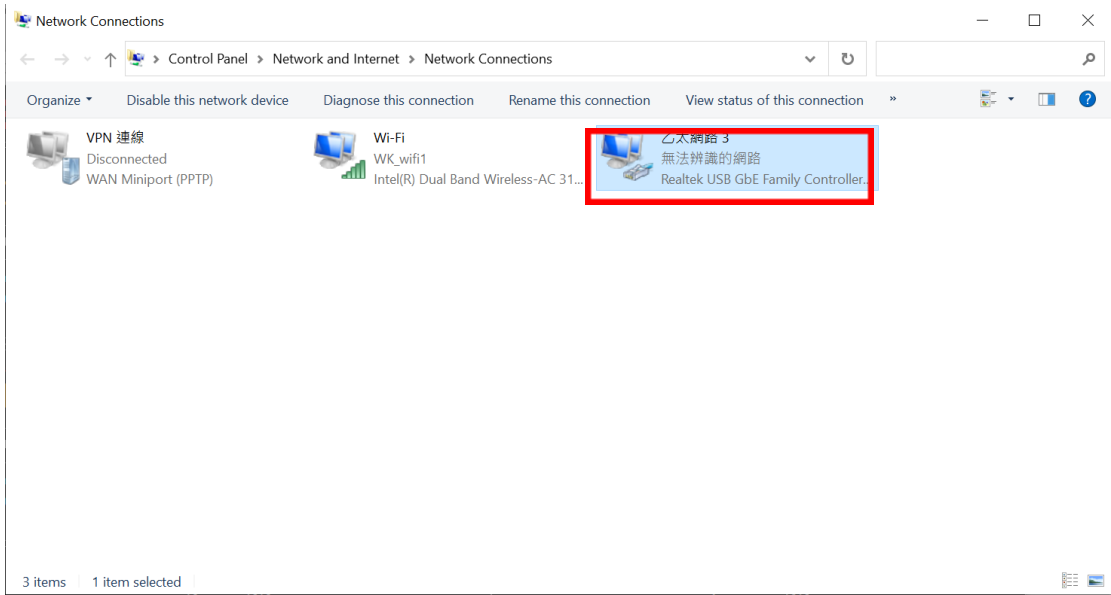
First, Please connect the LAN cable between 4900 Instrument and PC/Tablet. Next, Set the PC/Tablet's IP address range same as the 4900 instrument. 4900 Instrument default IP settings is 192.168.1.245., please set PC/Tablet's IP into the form 192.168.1.XXX, where XXX is between 1 to 255 but not include 245(PC and 4900 can't share the same IP Address). The following images will demonstrate the settings process.



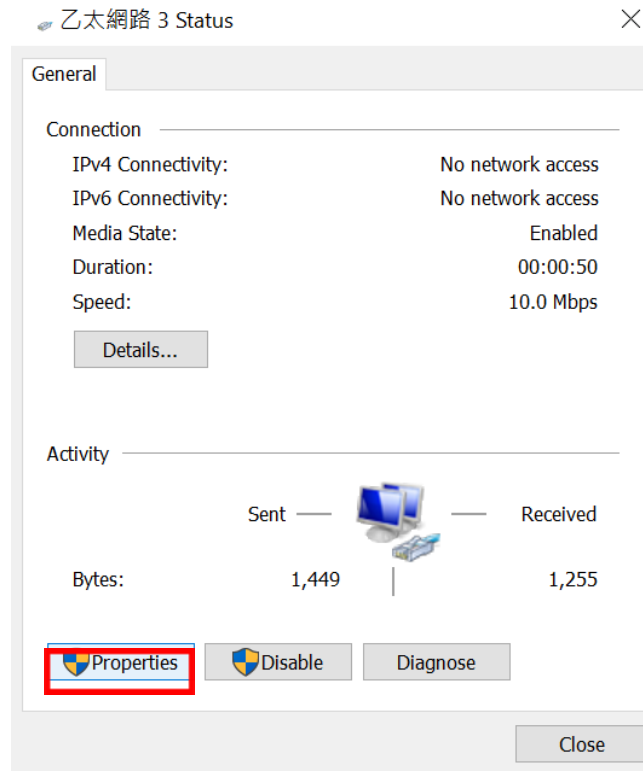
Pic 10 Right Click [Network] and choose the option [Properties]



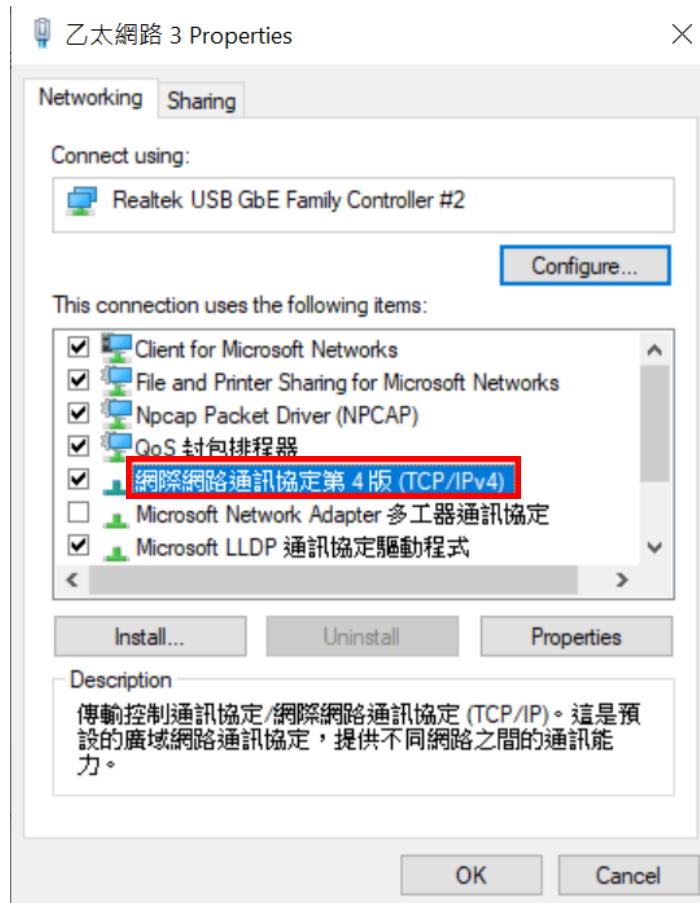
Pic 11 Click [Change Adapter Settings]



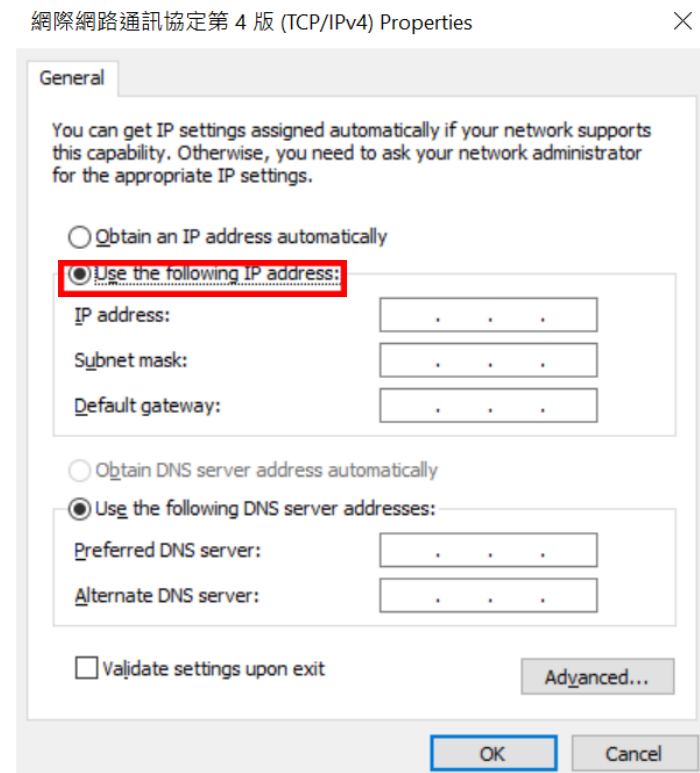
Pic 12 Choose the cable that connects 4900 and PC/Tablet, in this case, double click[乙太網路3].



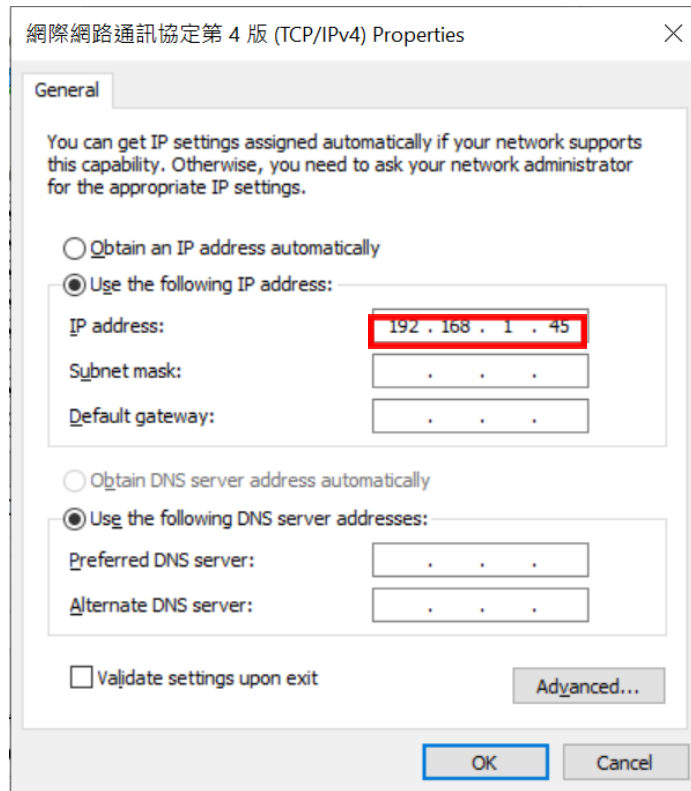
Pic 13 Click on [Properties]



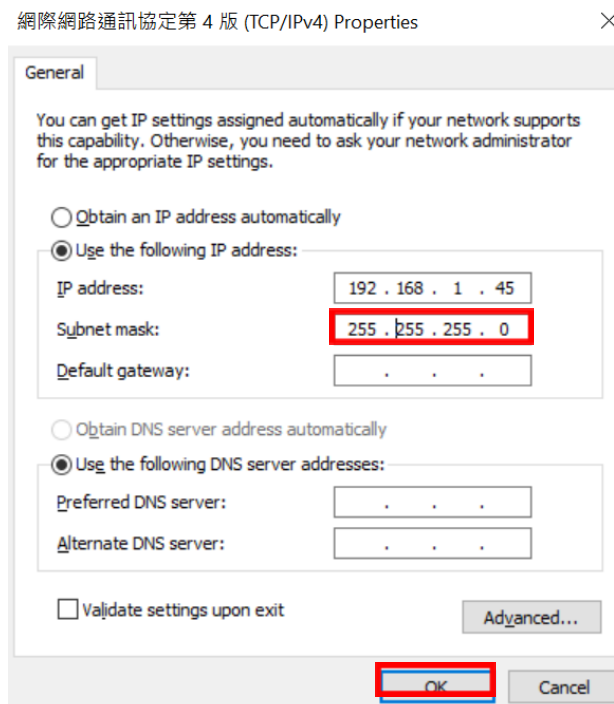
Pic 14 double click on[網際網路通訊協定第4版(TCP/Pv4)]



Pic 15 Choose the option [Use the following IP address(S)]



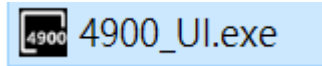
Pic 16 4900 default IP is set to 192.168.1.245, Please input the following form: 192.168.1.XXX, XXX can be any number between 1 to 255 but not include 245 (PC and 4900 can't share the same IP Address). This example inputs 192.168.1.45



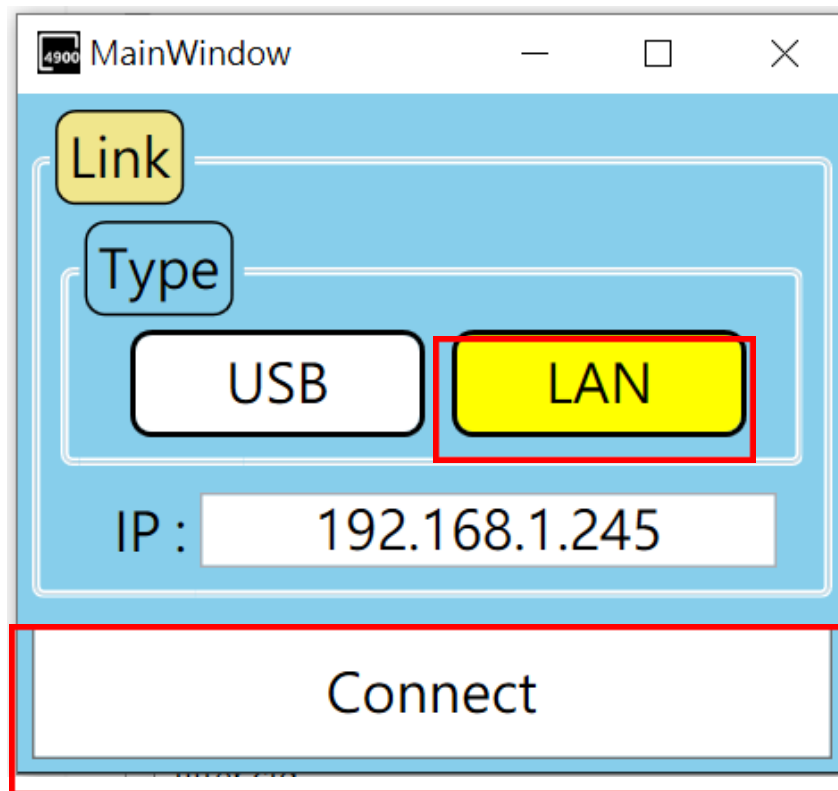
Pic 17 After entering IP, press [tab] on keyboard or left click on [Subnet mask(U) input text bar. The system will automatically input 255.255.255.0, then press on [OK]

Chapter 4 Execute Software

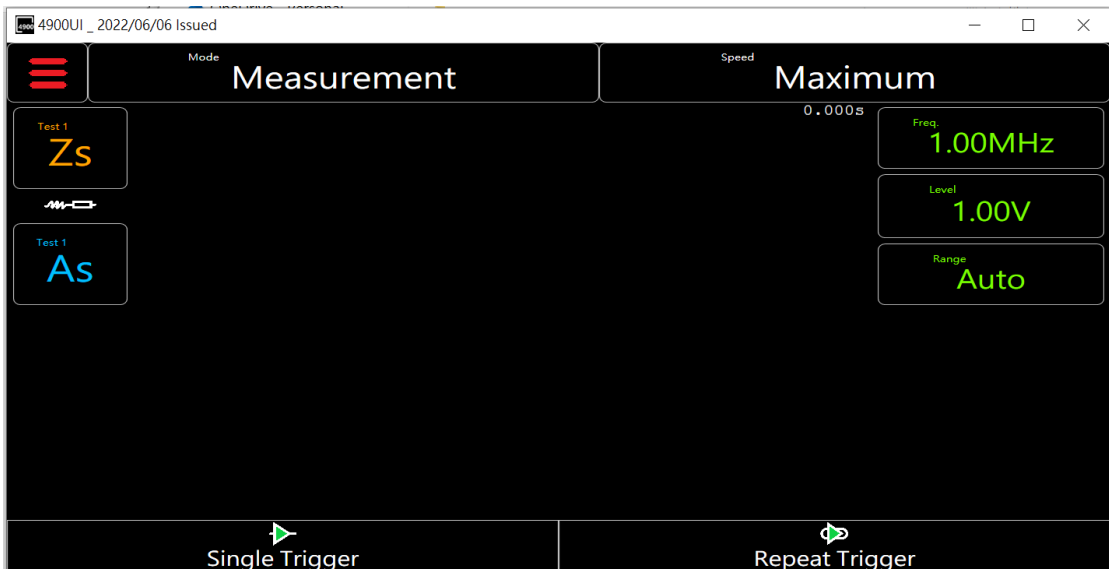
Execute [4900_UI.exe]



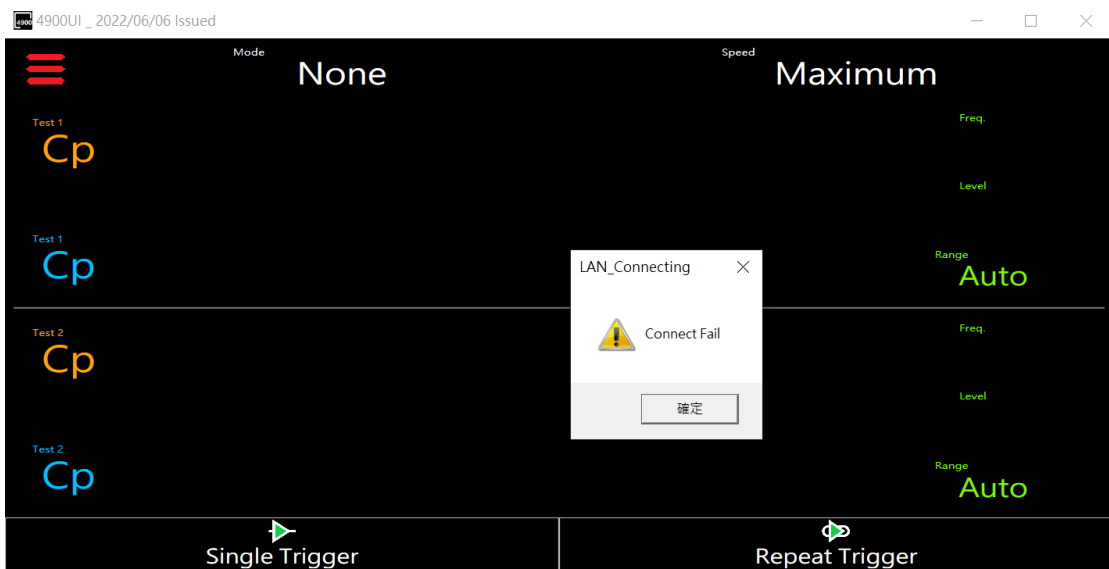
Choose [LAN] instead of [USB], and click on [Connect]



Pic18 4900 UI Software start screen



Pic9 Connect Successfully



Chapter 5 Troubleshooting Guide

1. Please confirm that the device had successfully installed .Net Framework 4.8, and reboot.

2. Please confirmed while changing the adapter settings, 4900 instrument and device's IP address both hold the same IP address range but a unique IP Address itself.
3. Please ensure LAN cable is properly connected.
4. Besides setting IP address, double check subnet mask has the input value 255.255.255.0.
5. If you still have questions that is unanswered, please send an email to technical support
6. technical support email: tech-sw.ap@waynekerrtest.com.tw