



孕龍科技股份有限公司
ZeroPlus Technology Co., Ltd.

SPECIFICATION

MODEL: HDQ Specification

PART NO : 005

VERSION : V2.06

Approver		Check	Design
GM	PM		

Customer Confirm

* Please fax the file to
ZeroPlus Technology after
signing .

2F, NO.123, Jian Ba Rd,
Chung Ho City, Taipei Hsian, R.O.C.

Tel: +886-2-66202225
Fax: +886-2-22234362



Content

1	Software Installation	2
2	User Interface	7
3	Operating Instructions	8

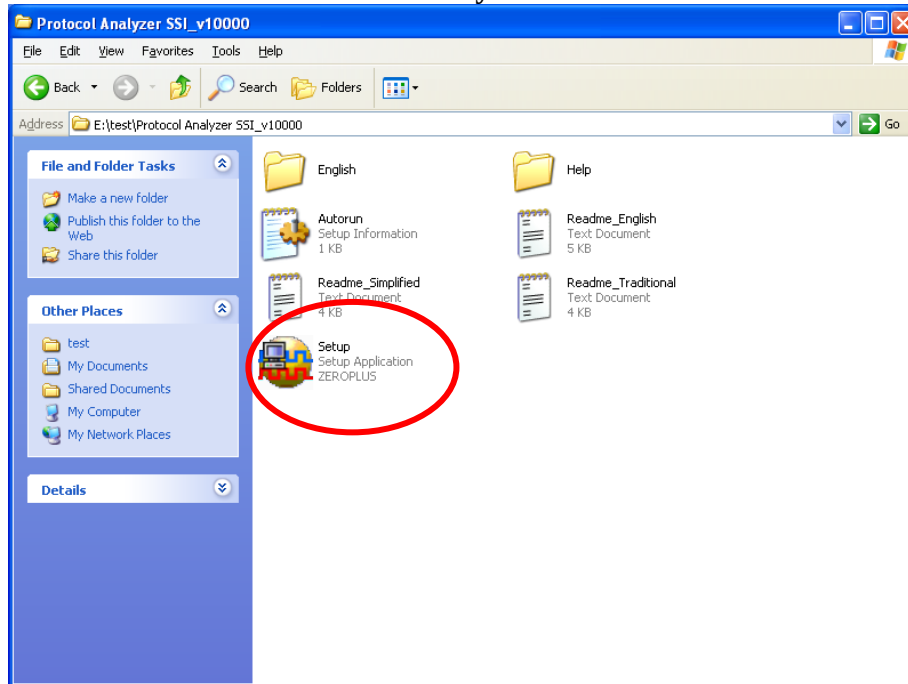
1 Software Installation



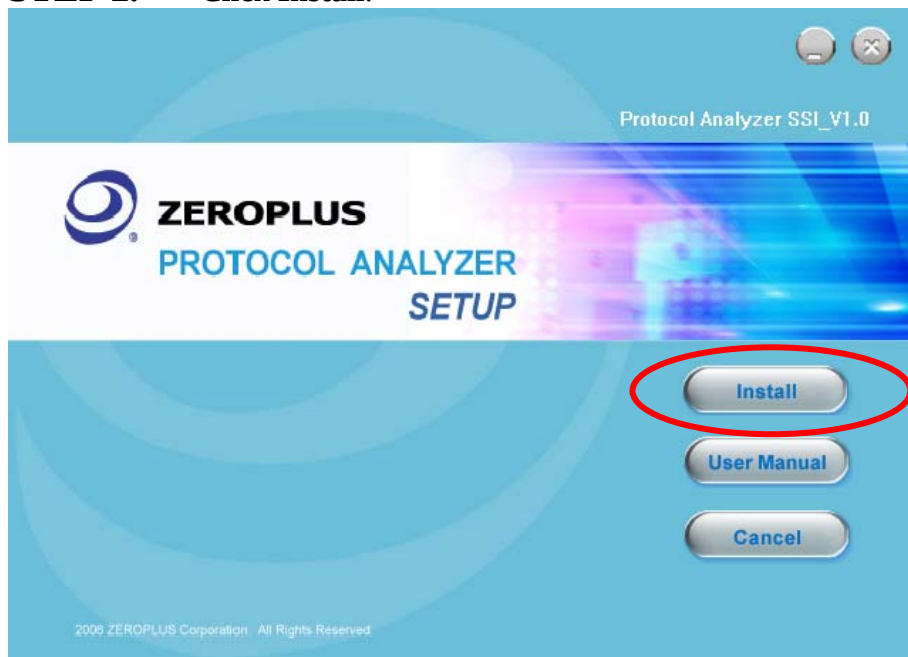
Please install the software as the following steps:

- ※ Remark: 1. The installation steps for all protocol analyzers are the same; you can complete the installation by following procedures. Following is an example on how to install protocol analyzer SSI.
- ※ Remark: 2. We won't have additional notice for you, when there is any modification of the module specification. If there is some unconformity caused by the module version upgrade, users should take the module software as the standard.

STEP 1. Install Protocol Analyzer Module.

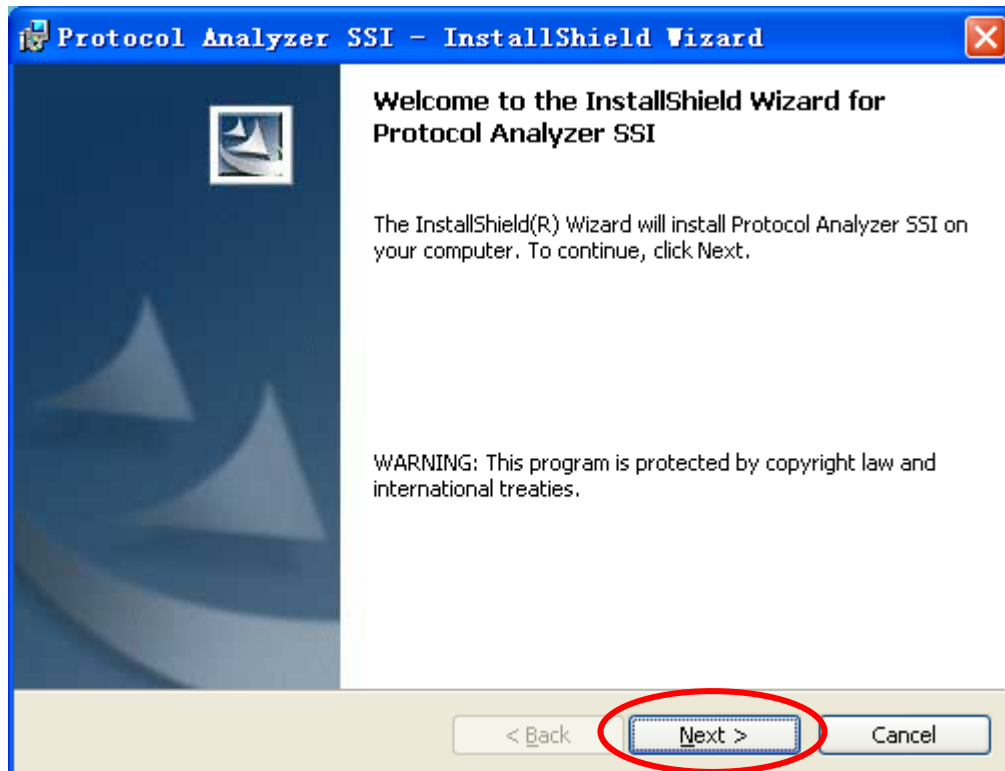


STEP 2. Click Install.

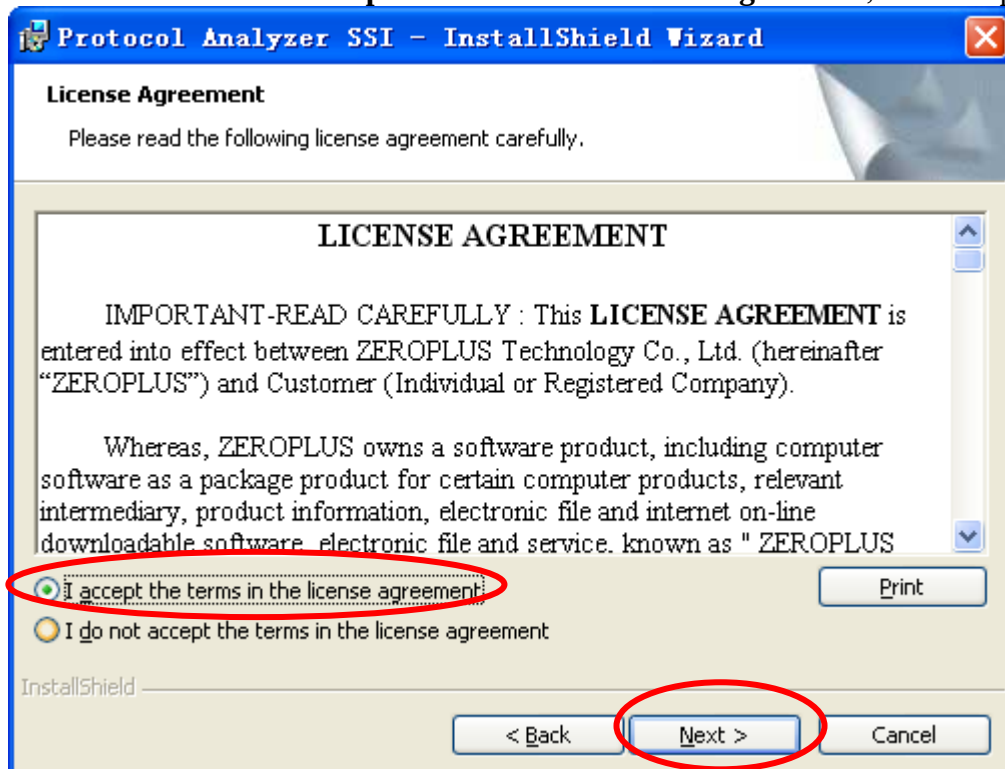




STEP 3. Click Next.



STEP 4. Select **I accept the terms in the license agreement**, and then press Next.





STEP 5. Fill in users' information in the below dialog box and click **Next**.

Protocol Analyzer SSI - InstallShield Wizard

Customer Information
Please enter your information.

User Name:
sunshine

Organization:
zeroplus

Install this application for:

☒ Anyone who uses this computer (all users)

☐ Only for me (sunshine)

InstallShield

< Back Next > Cancel

STEP 6. First, select **Complete** and then click **Next**.

Protocol Analyzer SSI - InstallShield Wizard

Setup Type
Choose the setup type that best suits your needs.

Please select a setup type.

☒ **Complete**
All program features will be installed. (Requires the most disk space.)

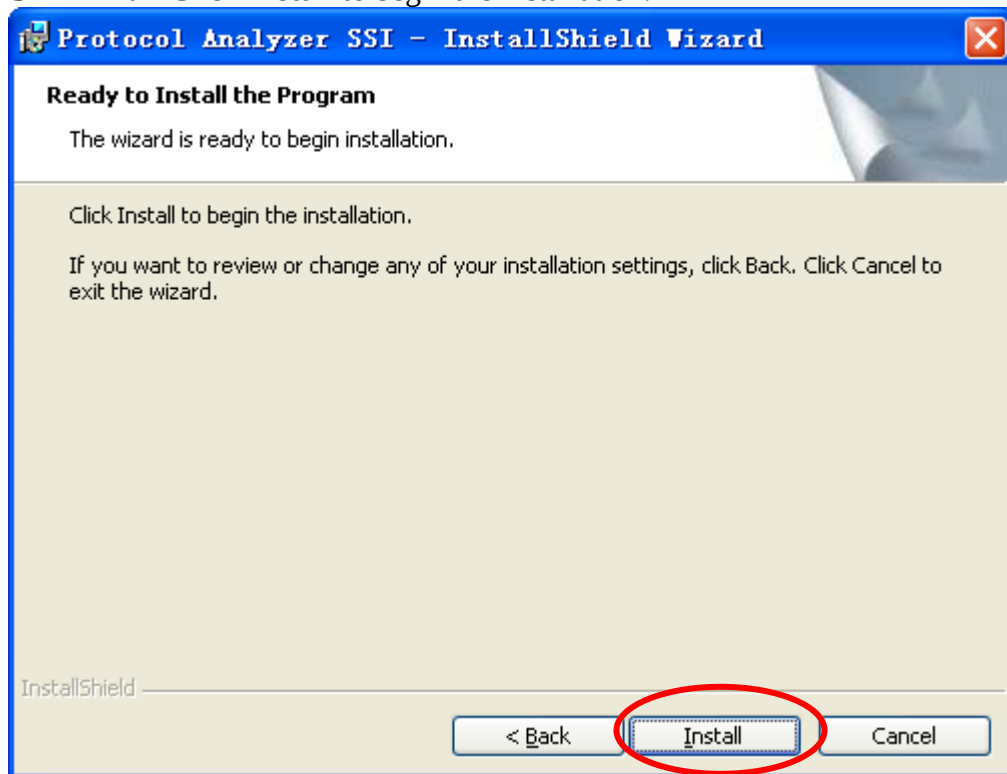
☐ **Custom**
Choose which program features you want installed and where they will be installed. Recommended for advanced users.

InstallShield

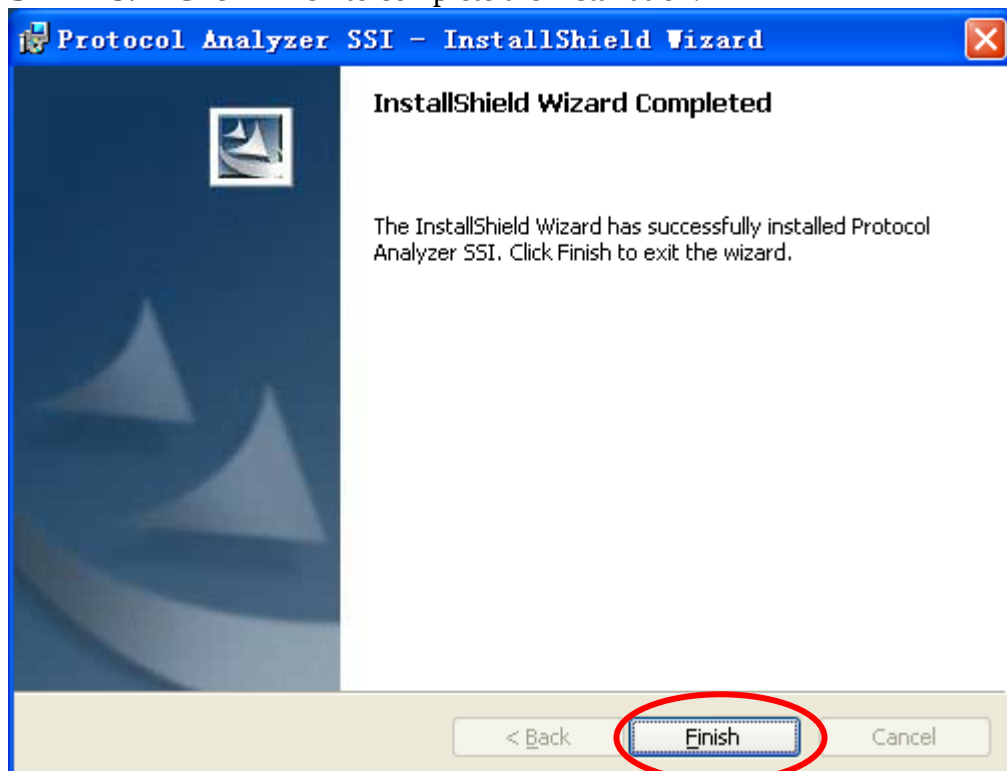
< Back Next > Cancel



STEP 7. Click **Install** to begin the installation.



STEP 8. Click **Finish** to complete the installation.

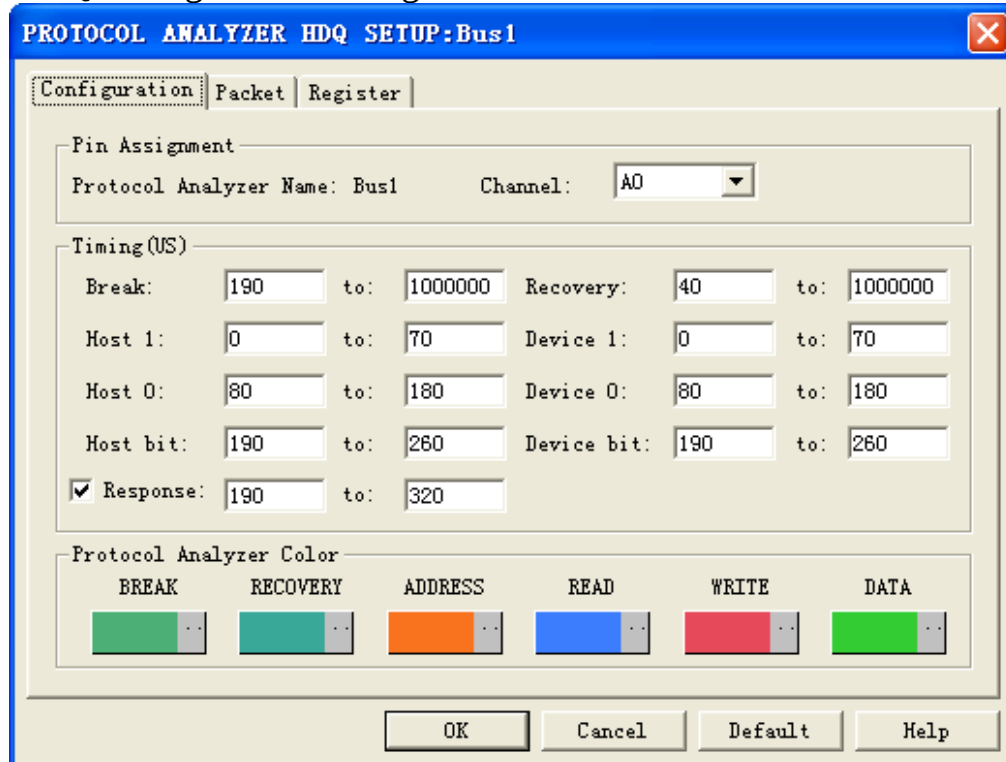




2 User Interface

Please refer to the below images to select options of setting **HDQ MODULE**.

HDQ Configuration Dialog Box



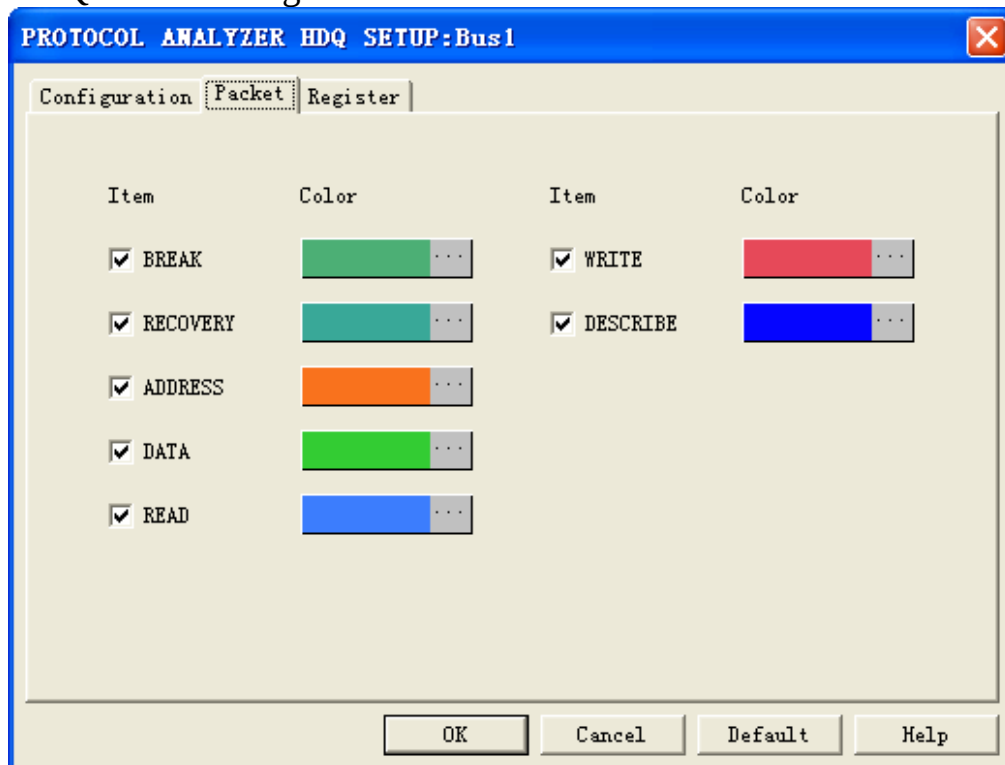
HDQ Pin Assignment: HDQ is a data signal line; its default is A0.

Timing (US): Set the value of the corresponding time range, whose unit is us, for example, Break is from 190 to 10000000.

Protocol Analyzer Color: The color can be varied by users; the error is displayed with red.

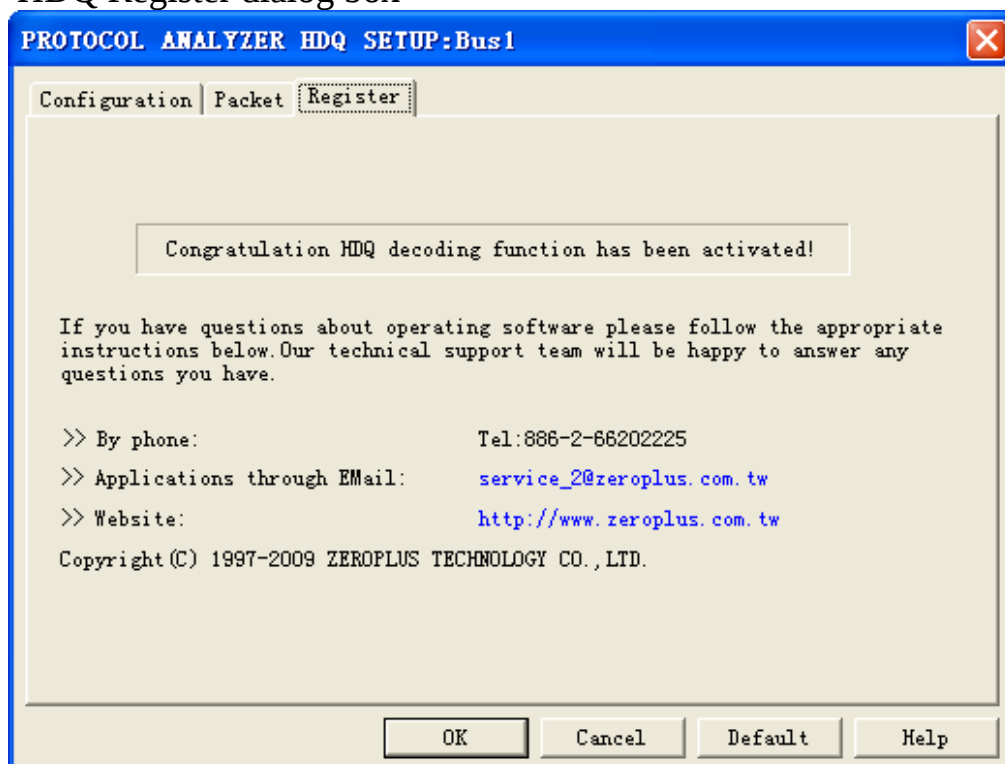


HDQ Packet dialog box



In the packet dialog box, users can vary the color of items.

HDQ Register dialog box

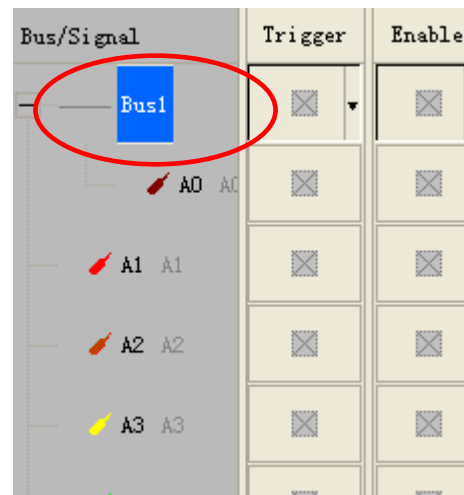
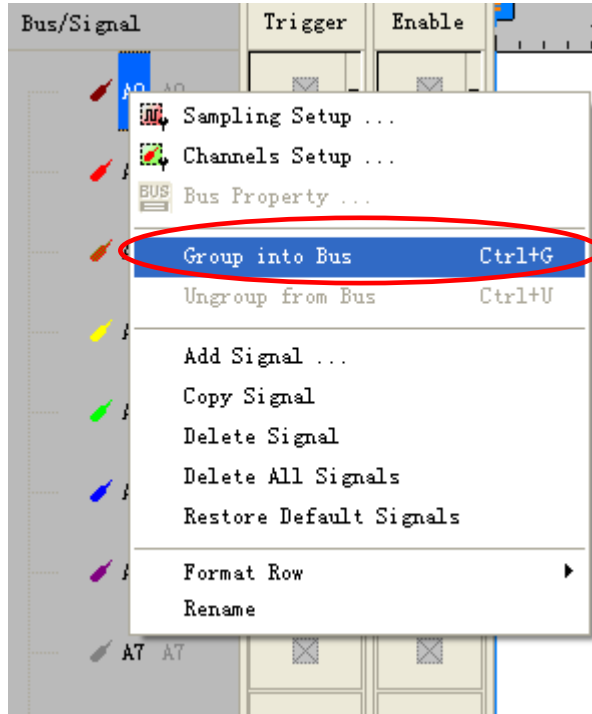


There is ZeroPlus company information. If you have any questions about software operations, you can contact ZeroPlus by Telephone or Email.

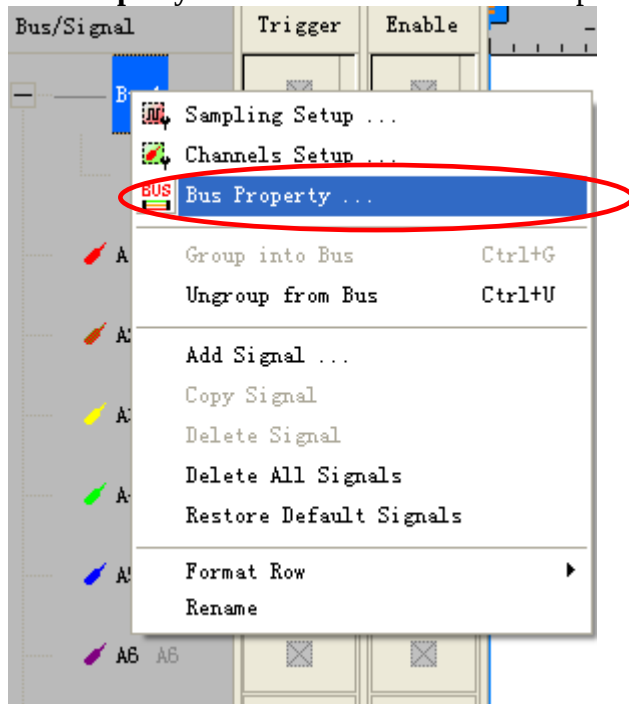


3 Operating Instructions

STEP 1. Group the unanalyzed channels into **Bus1** by pressing the **Right Key** on the mouse.

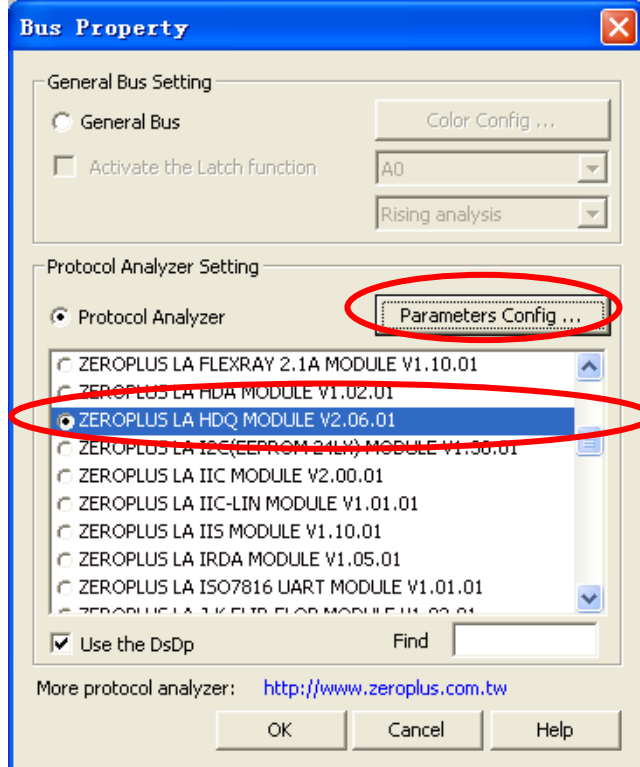


STEP 2. Select **Bus1**, then press **Right Key** on mouse to list the menu, then press **Bus Property** or **Bus** bar on the toolbar to open **Bus Property** dialog box.

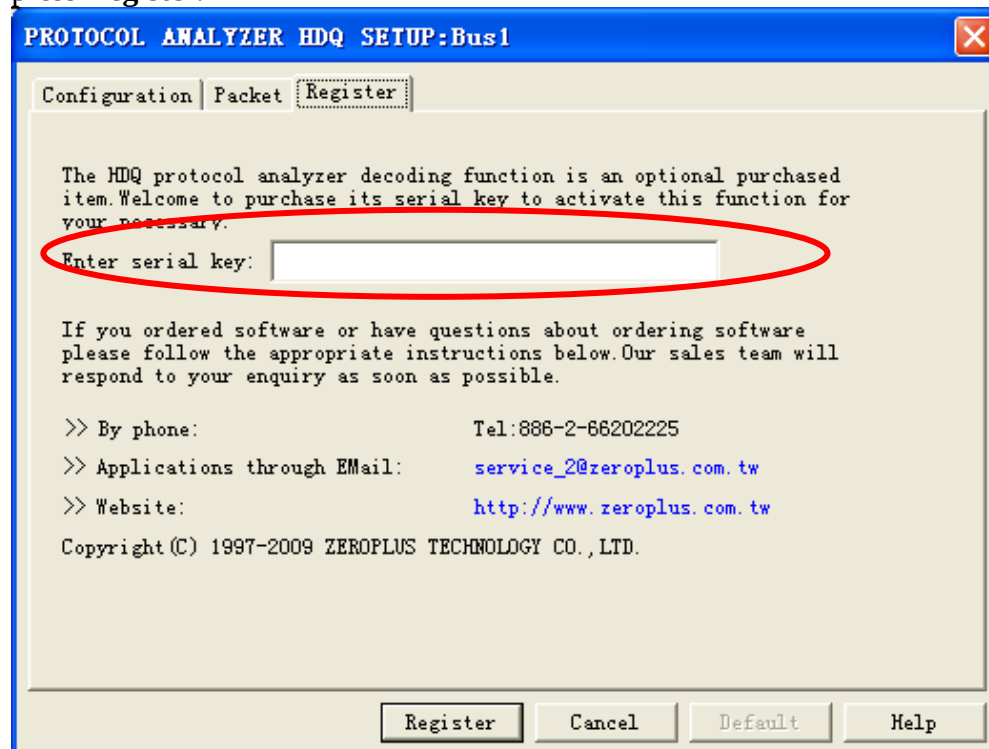




STEP 3. For Protocol Analyzer HDQ Parameters Configuration, select Protocol Analyzer, and then choose **ZEROPLUS LA HDQ MODULE V2.06.01**. Next click **Parameters Configuration** to open **Configuration** dialog box

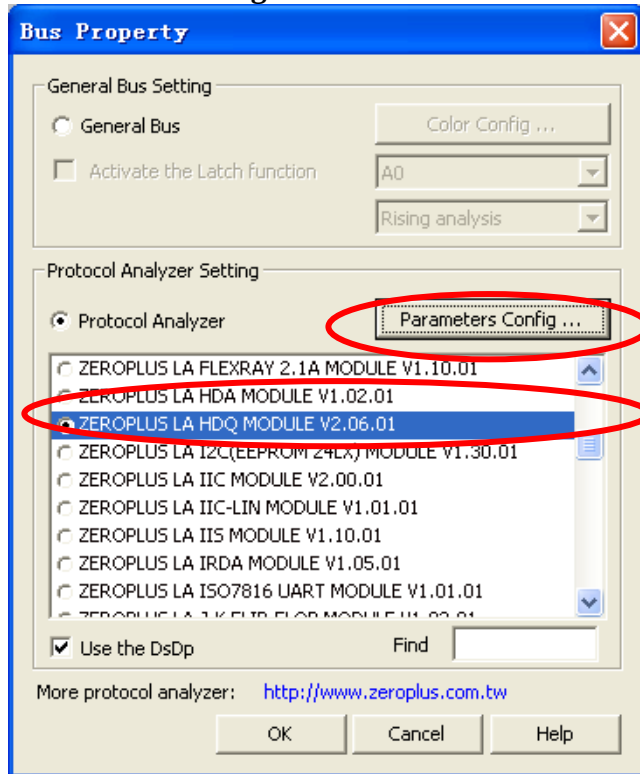


STEP 4. Press **Register** tab to key in the serial key number of Protocol Analyzer HDQ. Then, press **Register**.

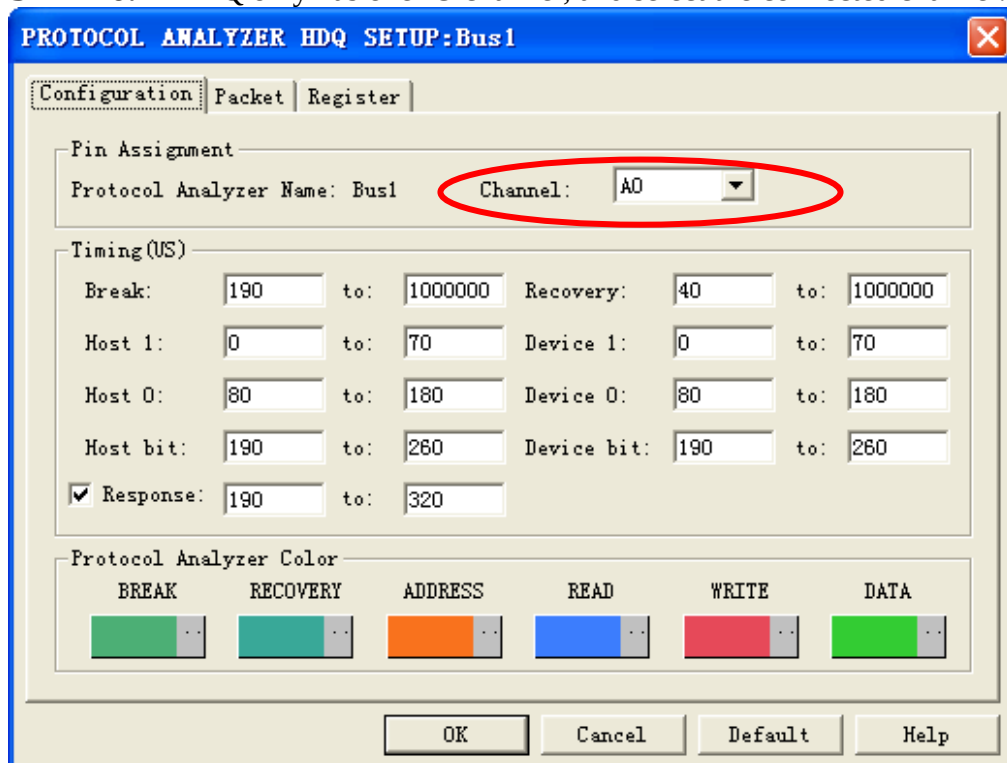




STEP 5. After completing **Register**, come back to the **Bus Property** dialog box, and then click **Parameters Configuration** to start Protocol Analyzer HDQ setup.

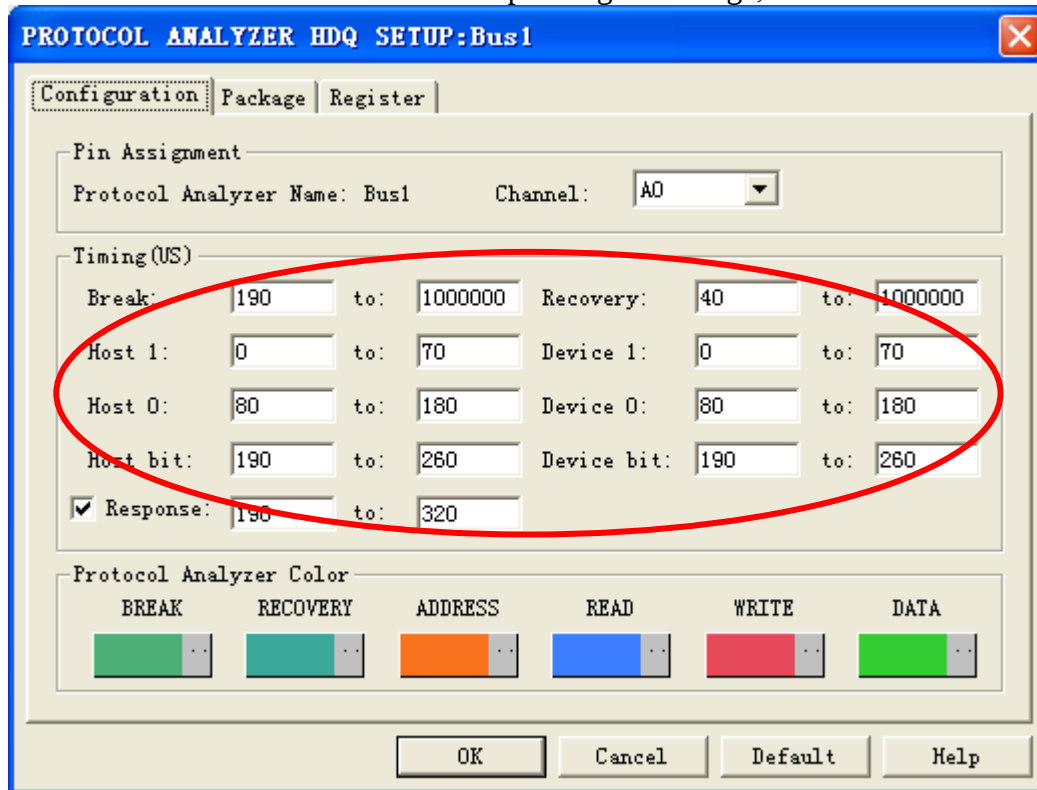


STEP 6. HDQ only has one IO channel, and select the connected channel.

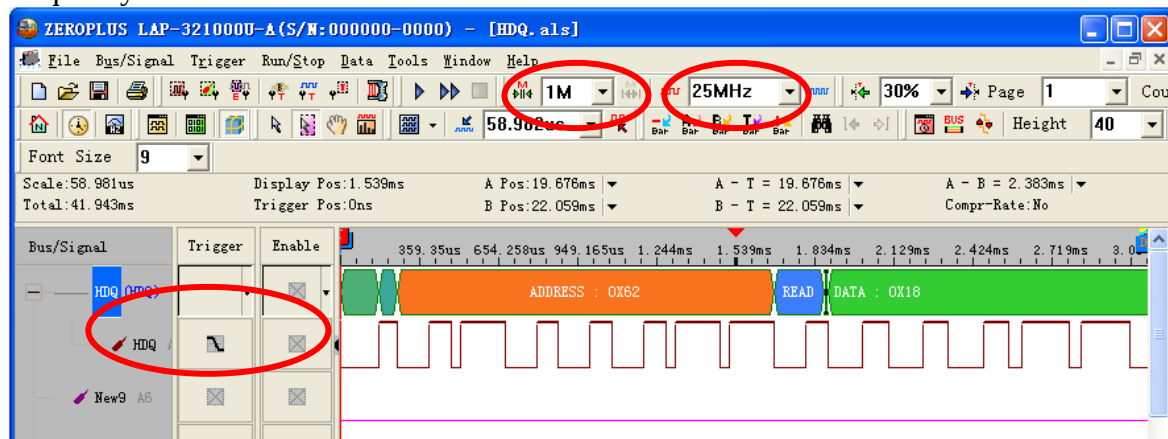




STEP 7. Set the value of the corresponding time range, whose unit is us.



STEP 8. Following pictures show the completion of the protocol analyzer decoding and the packet list. The trigger condition is set as Falling Edge; the memory depth is 1M; the sampling frequency is 25MHz.





Following picture shows the waveforms display with the packet list.

