



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

SPECIFICATION

MODEL: 025-LAP-ST7669-M

PART NO : _____

VERSION : V1.06

Approver		Check	Design
GM	PM		

Customer Confirm

* Please fax the file to
ZeroPlus Technology after
signing .

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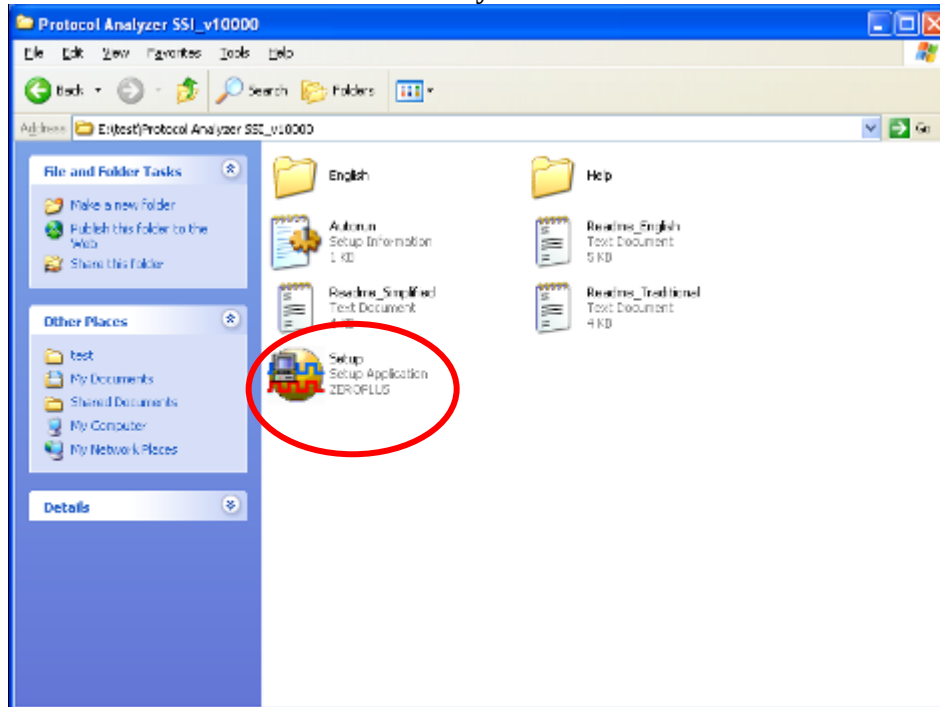
1 Software Installation

Please install the software as the following steps:

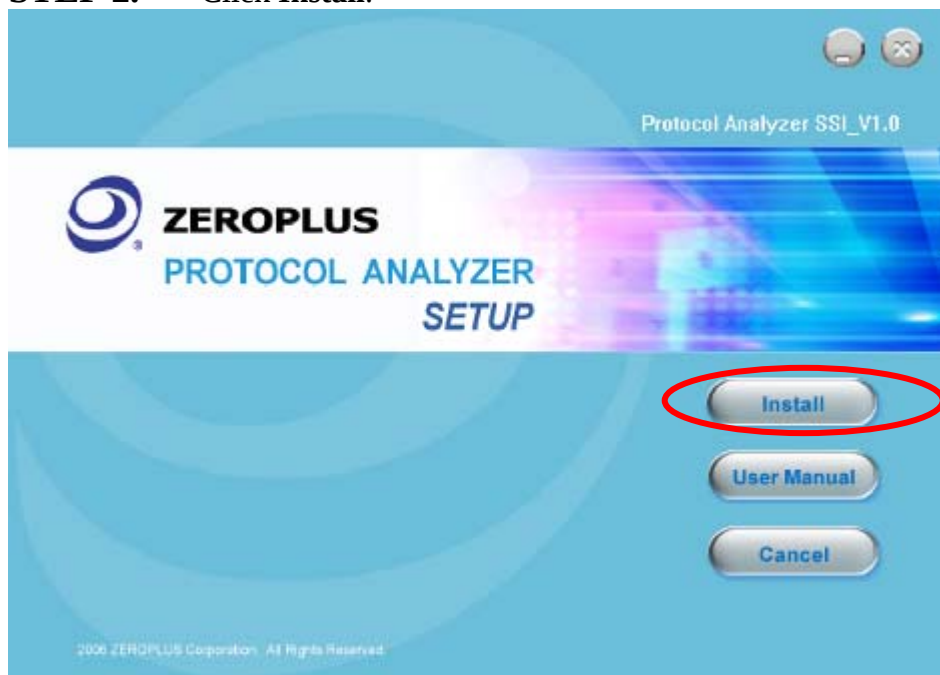
※ Remark: 1. The installation steps for all protocol analyzers are the same; you can complete installation by following procedures. The following is an example to install protocol analyzer SSI.

※ Remark: 2. We won't have additional notice for you, when there is any modification of the module specification. If there is unconformity caused by the module version upgrade, users should refer to the module software as the standard.

STEP 1. Install Protocol Analyzer Module.

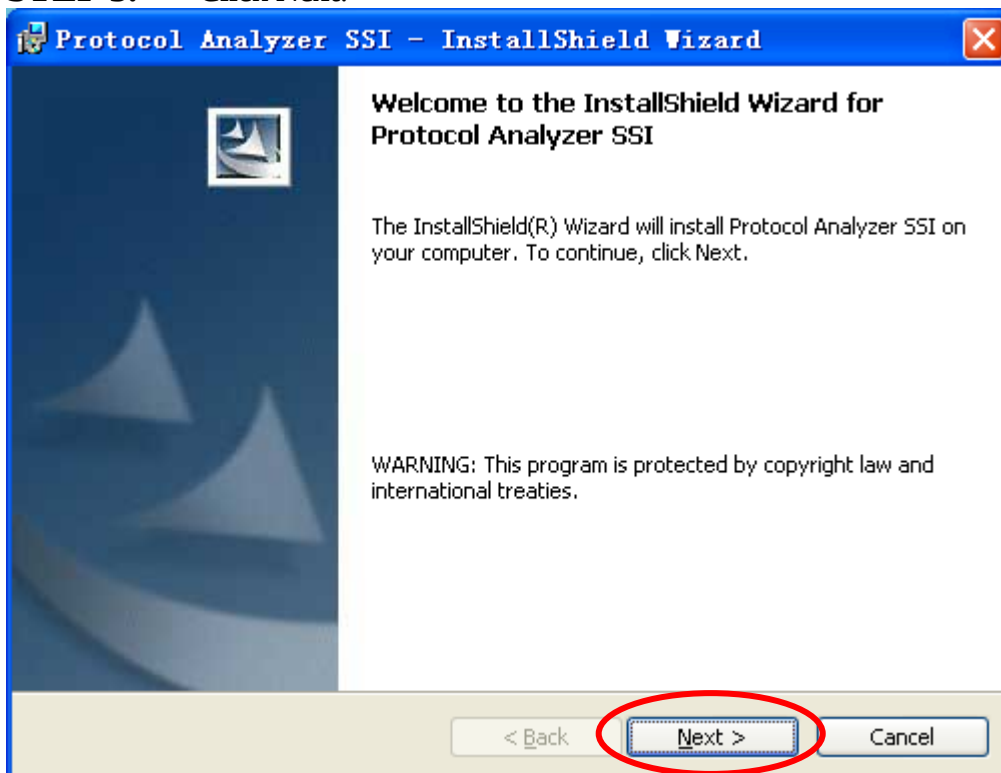


STEP 2. Click Install.

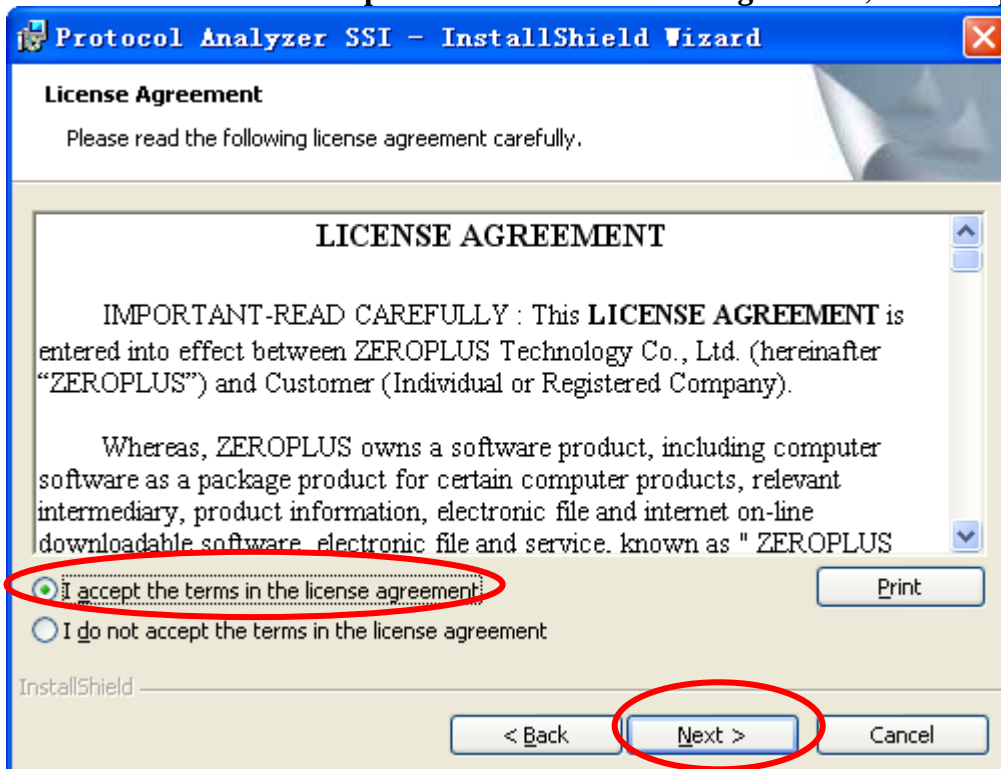




STEP 3. Click Next.



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. At 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.)

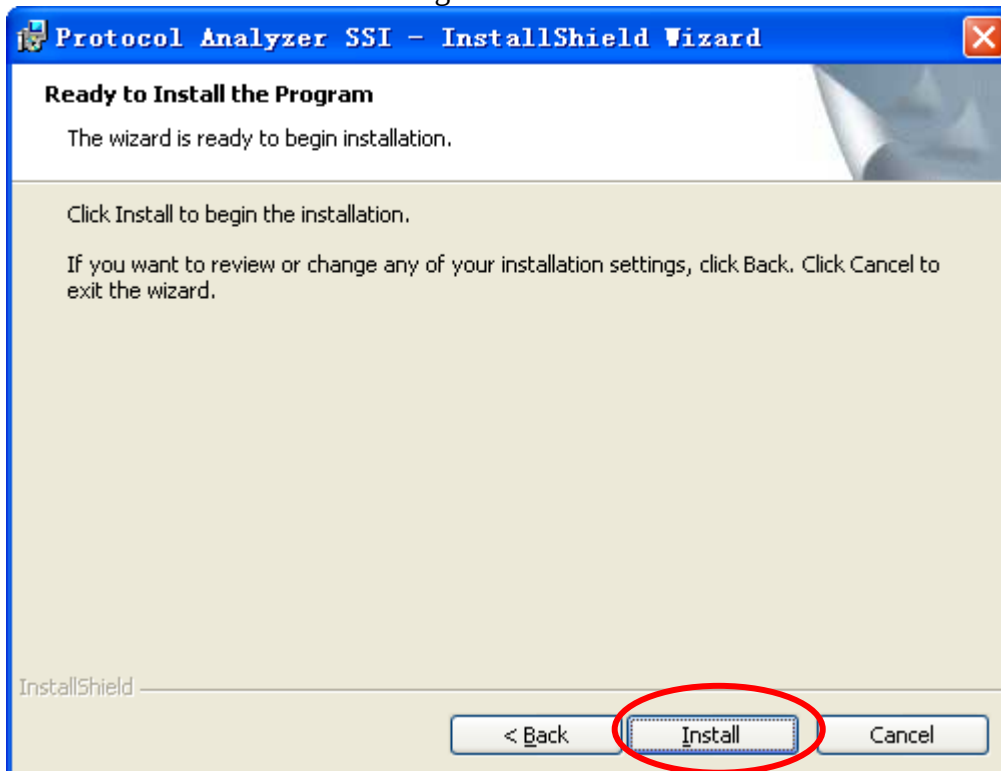
☐ **Custom**
Choose which program features you want installed and where they will be installed. Recommended for advanced users.

InstallShield

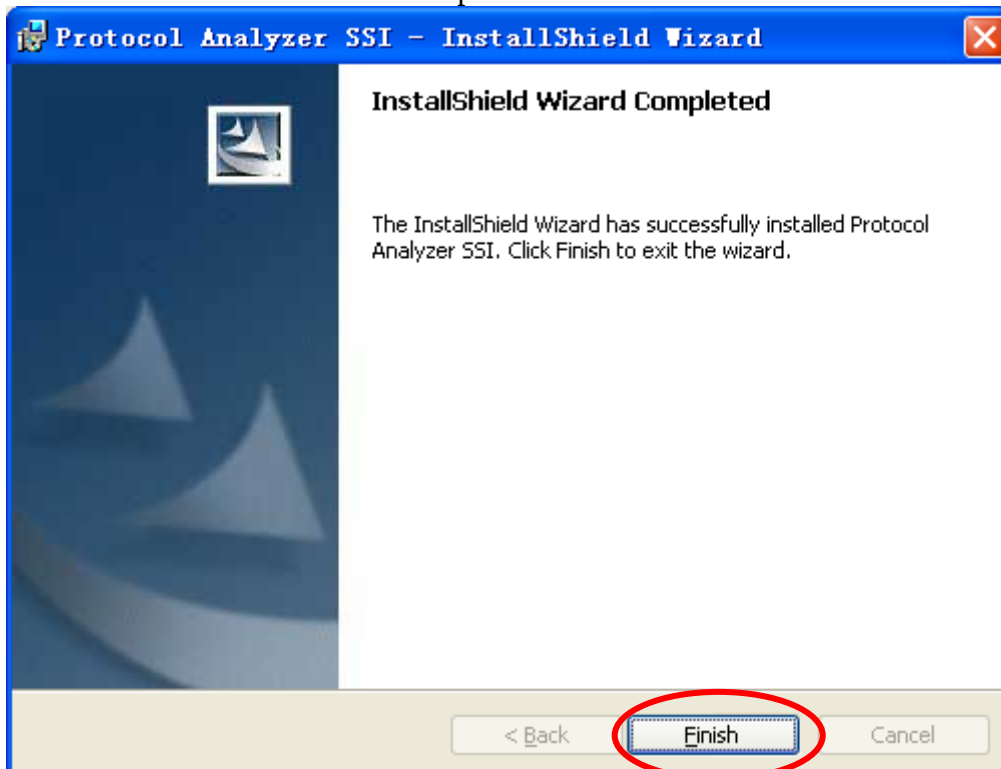
< Back Next > Cancel



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



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

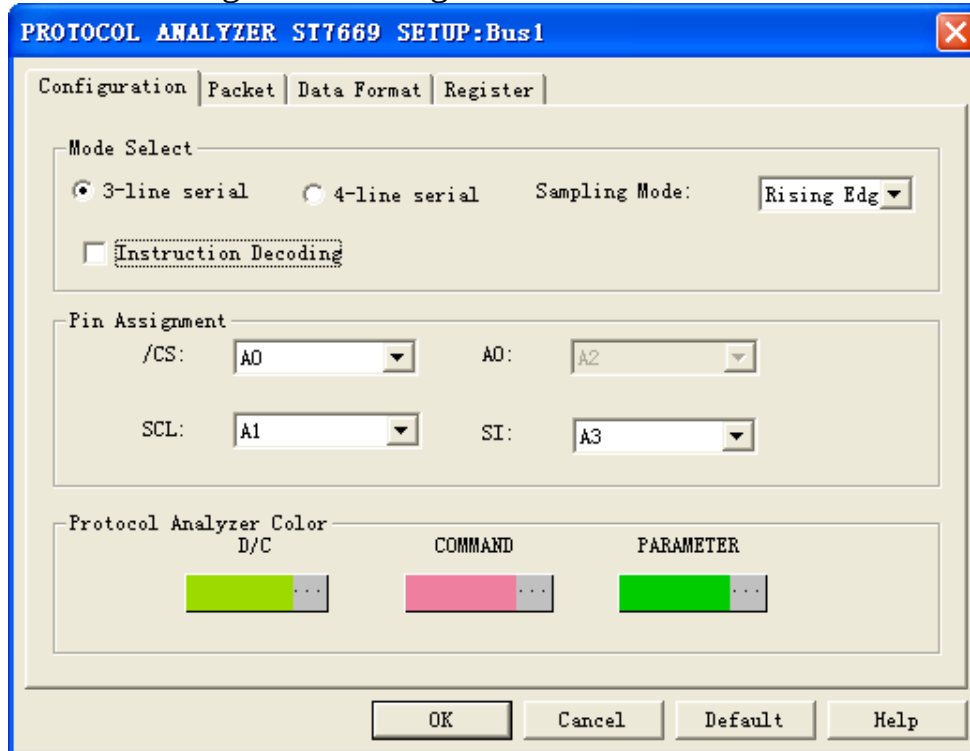




2 User Interface

Please refer to the below images to select options of setting **ST7669 MODULE**.

ST7669 Configuration dialog box



Mode Select:

There are two modes for choice: 3-line serial or 4-line serial; users can select any one of these two modes. Meanwhile, it can start the Instruction Decoding.

Pin Assignment:

In 3-line serial mode: The A0 channel can't be used; the /CS channel is defaulted to connect with A0; the SCL channel is defaulted to connect with A2; the SI channel is defaulted to connect with A3.

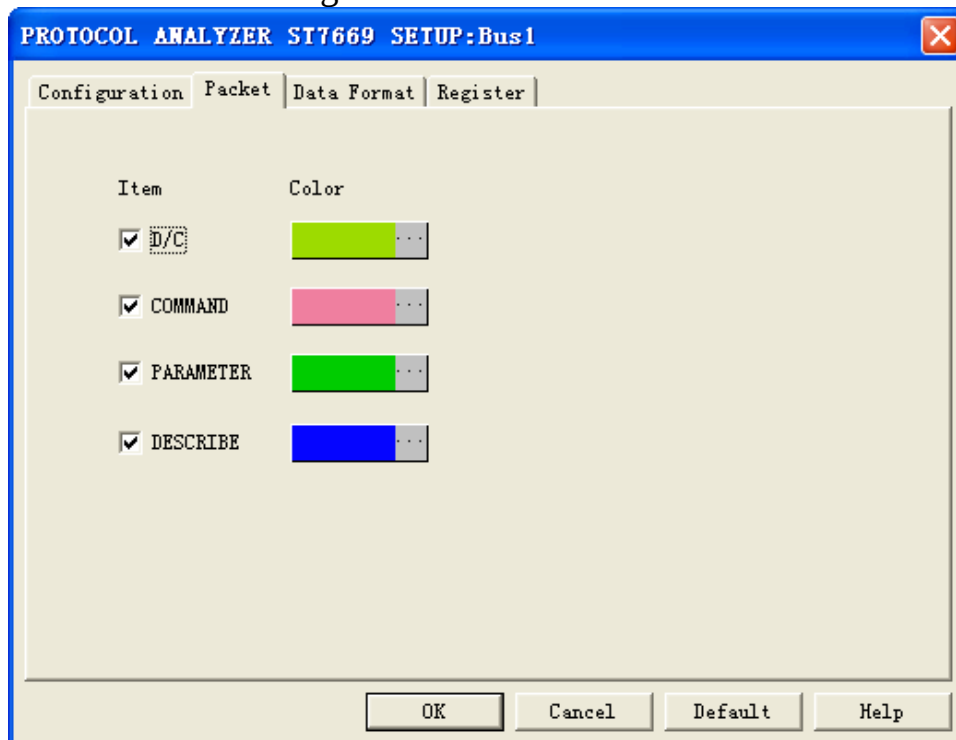
In 4-line serial mode: The /CS channel is defaulted to connect with /CS; the A0 channel is defaulted to connect with A0; the SCL channel is defaulted to connect with SCL; the SI channel is defaulted to connect with SI.

Protocol Analyzer Color Setting:

D/C COMMAND PARAMETER

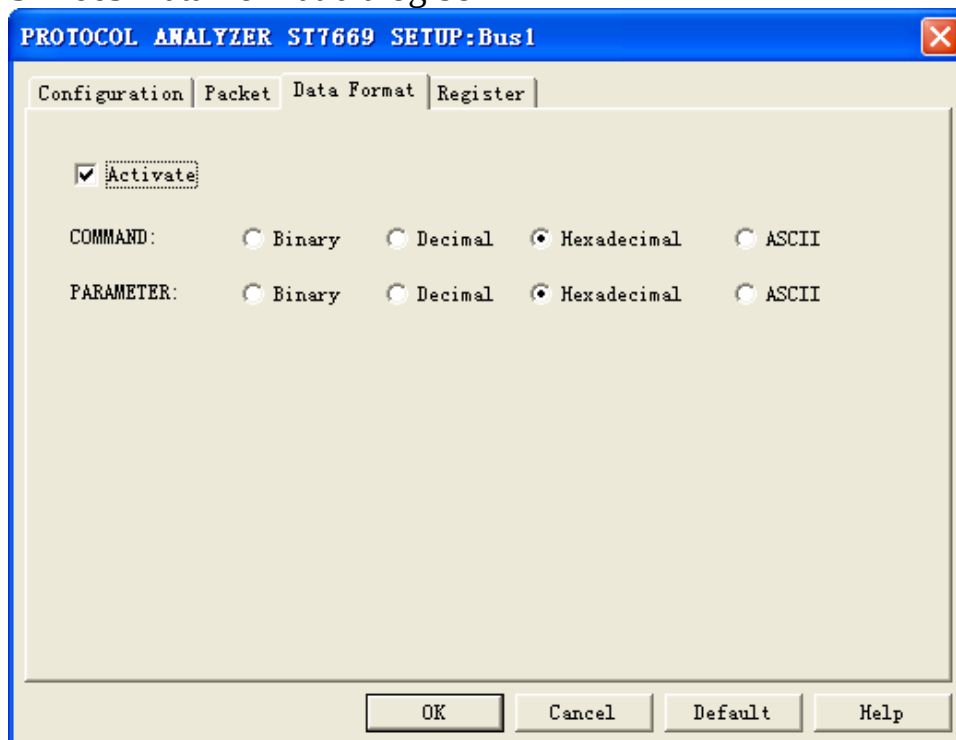


ST7669 Packet dialog box



In the packet dialog box, users can vary the colors of the items

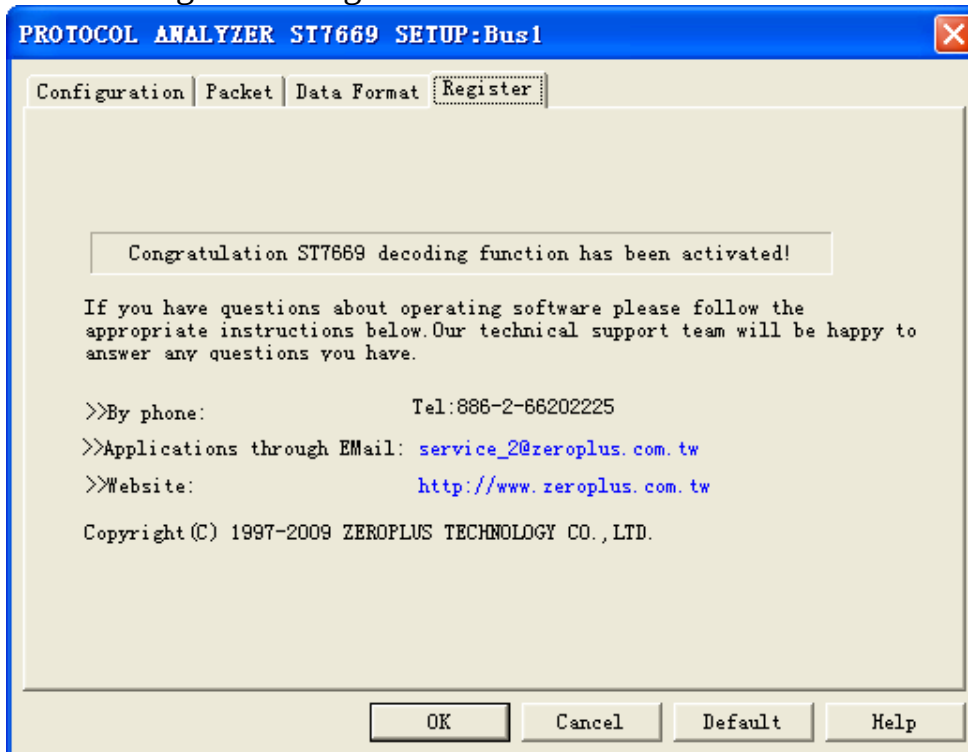
ST7669 Data Format dialog box



Users can set the Data Format of the COMMAND and PARAMETER as their requirements. When selecting the option, Activate, the data formats are decided by the settings in the Protocol Analyzer; when not selecting the option, Activate, the data formats are decided by the settings in the main program.



ST7669 Register dialog box.

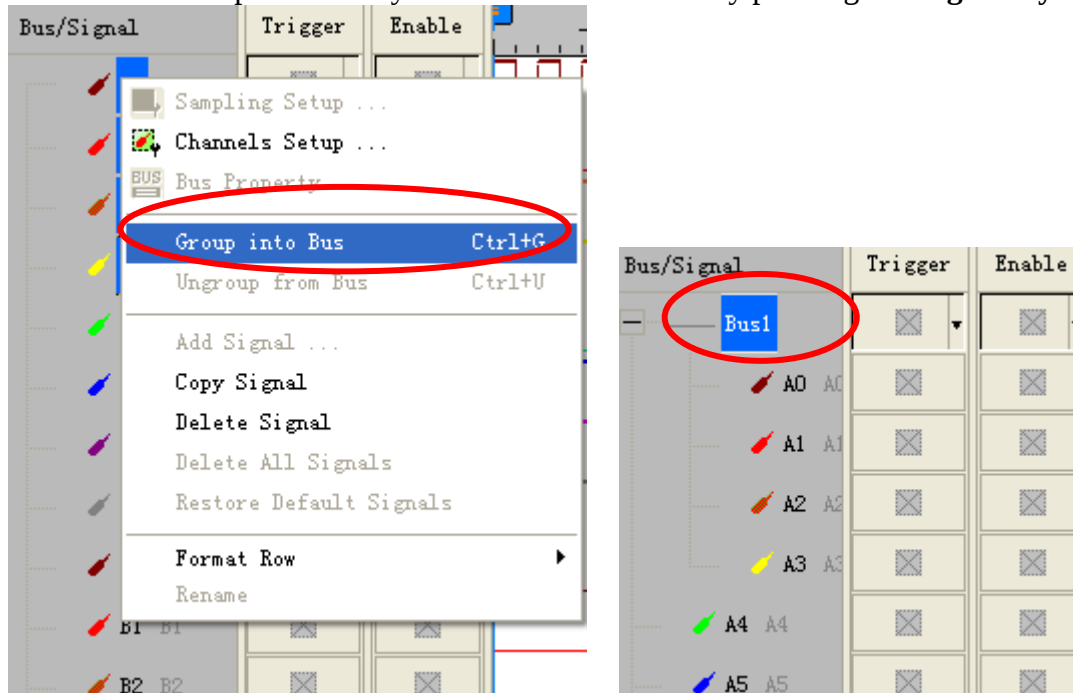


There is written ZeroPlus company information. If you have any questions about software operations, you can contact ZeroPlus by Telephone or Email.

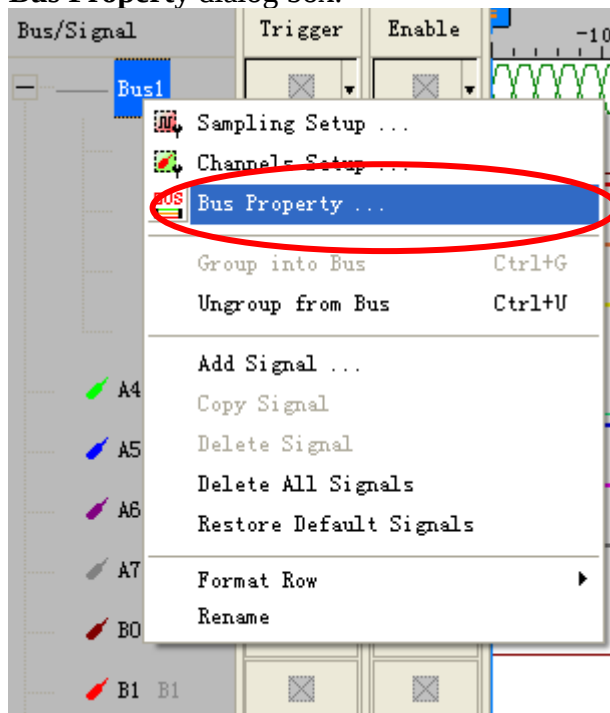


3 Operating Instructions

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

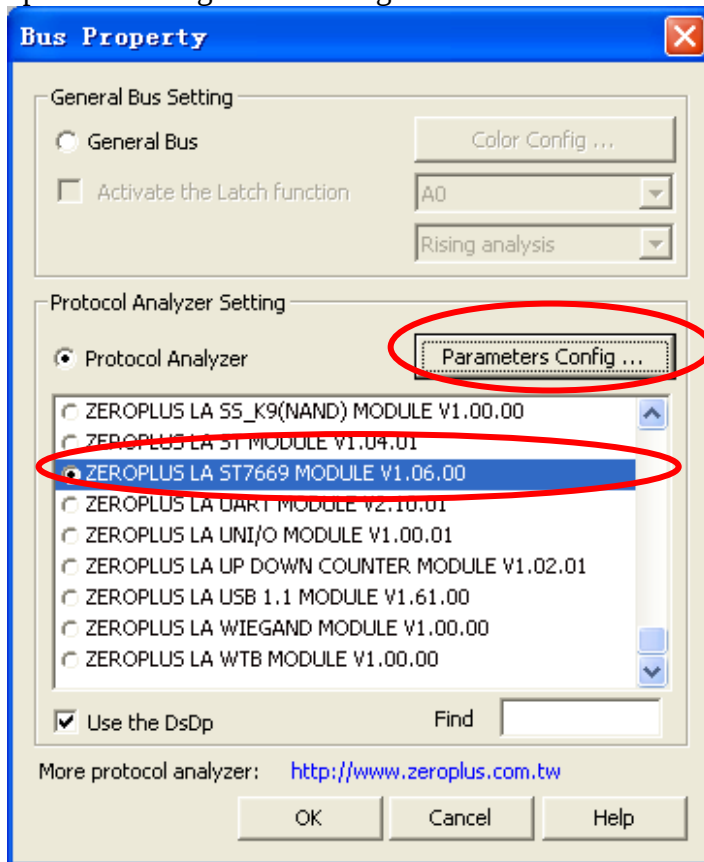


STEP 2. Select **Bus1**, then press the **Right Key** on the mouse to click **Bus Property** to open the **Bus Property** dialog box.

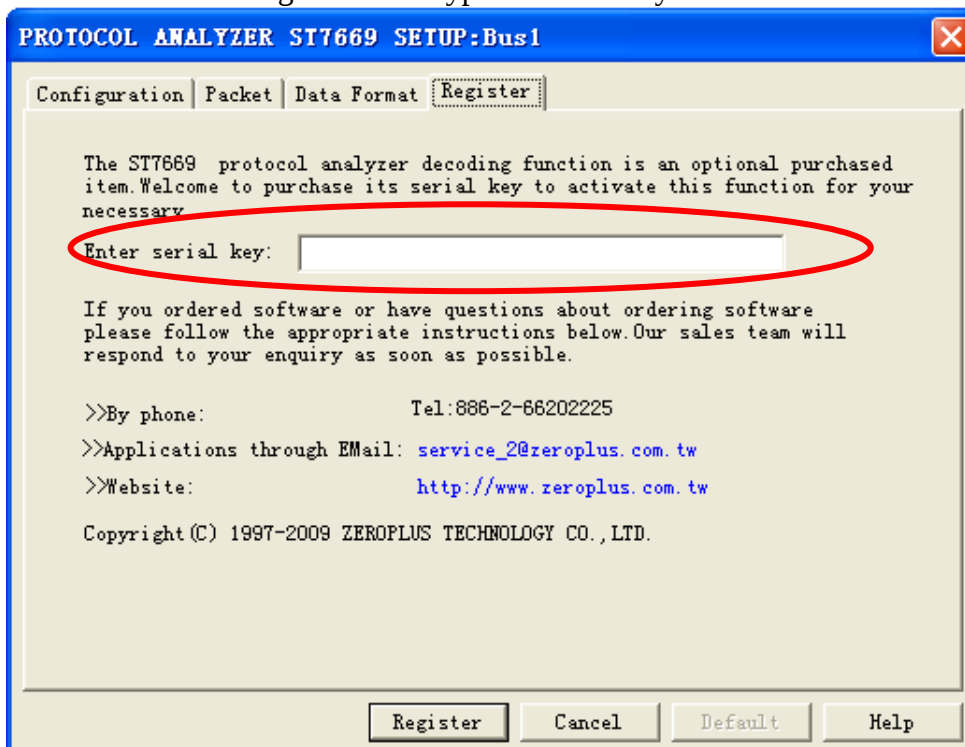




STEP 3. For Protocol Analyzer Parameter Configuration, select Protocol Analyzer, and then choose **ZEROPLUS LA ST7669 MODULE V1.06.00**. Next click **Parameters Configuration** to open the Configuration dialog box.

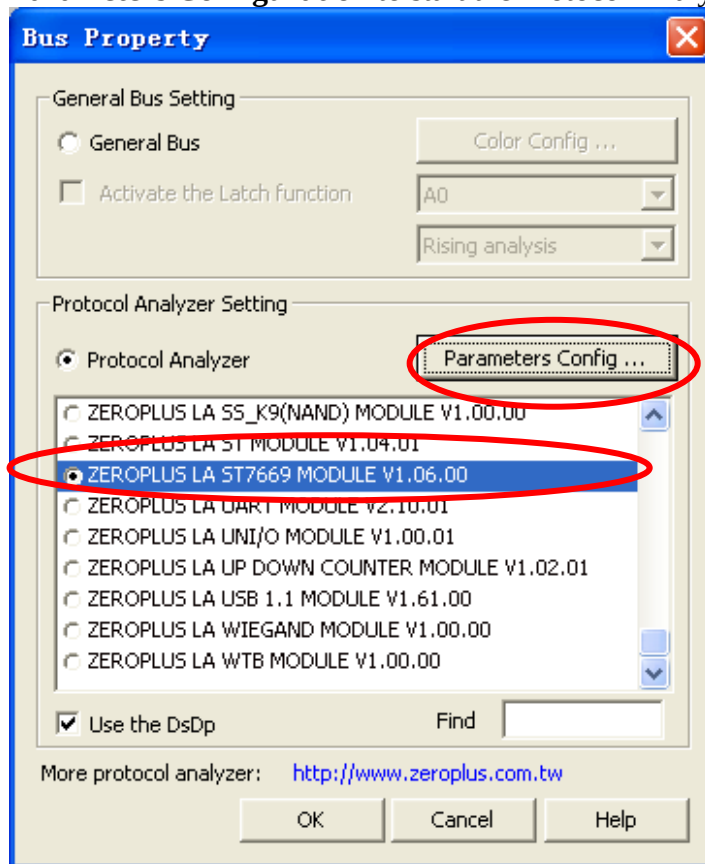


STEP 4. Press Register tab to type the serial key number of ST7669 module. Then, click **Register**.

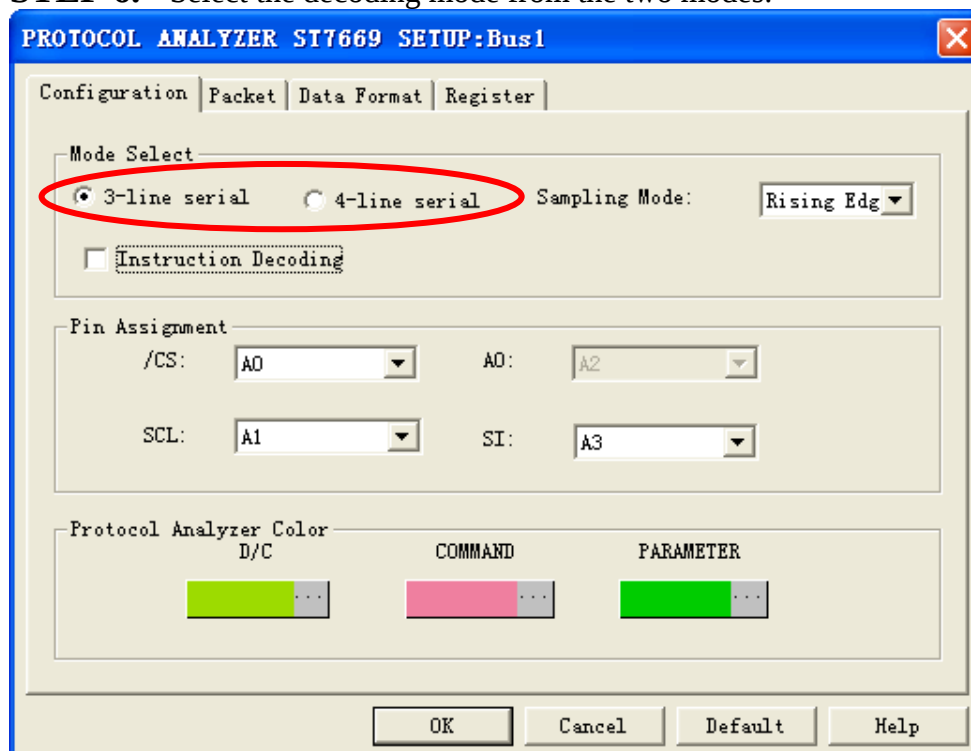




STEP 5. After completing **Register**, it turns to the **Bus Property** dialog box, and then click the **Parameters Configuration** to start the Protocol Analyzer ST7669 setup.



STEP 6. Select the decoding mode from the two modes.





STEP 7. Set Protocol Analyzer ST7669 channels in **Pin Assignment** section.

PROTOCOL ANALYZER ST7669 SETUP:Bus1

Configuration | Packet | Data Format | Register

Mode Select
☒ 3-line serial ☐ 4-line serial Sampling Mode: Rising Edg
☐ Instruction Decoding

Pin Assignment
/CS: A0 AO: A2
SCL: A1 SI: A3

Protocol Analyzer Color
D/C COMMAND PARAMETER

OK Cancel Default Help

STEP 8. Protocol Analyzer Color Setting.

PROTOCOL ANALYZER ST7669 SETUP:Bus1

Configuration | Packet | Data Format | Register

Mode Select
☒ 3-line serial ☐ 4-line serial Sampling Mode: Rising Edg
☐ Instruction Decoding

Pin Assignment
/CS: A0 AO: A2
SCL: A1 SI: A3

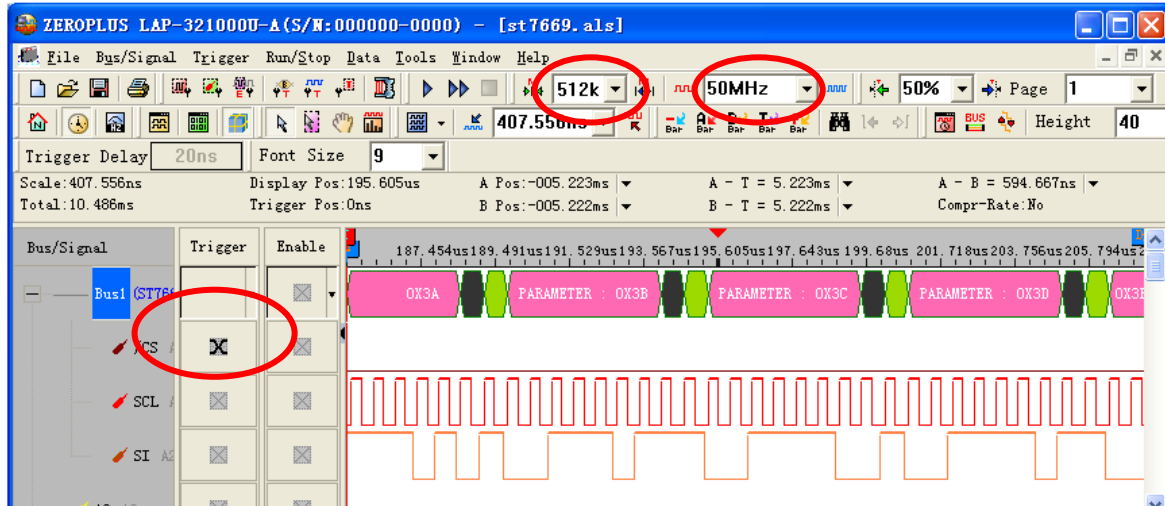
Protocol Analyzer Color
D/C COMMAND PARAMETER

OK Cancel Default Help



STEP 9. Following pictures show that the completion of the protocol analyzer decoding and the packet list. The trigger condition is set as Either Edge; the memory depth is 512K; the sampling frequency is 50MHz.

Protocol Analyzer Decoding



Packet List

