



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

# SPECIFICATION

**MODEL: 7-SEGMENT LED Specification**

**PART NO : 020**

**VERSION : V1.04**

| Approver |    | Check | Design |
|----------|----|-------|--------|
| GM       | PM |       |        |
|          |    |       |        |

| Customer Confirm |
|------------------|
|                  |

\* Please fax the file to ZeroPlus Technology after signing.

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## Content

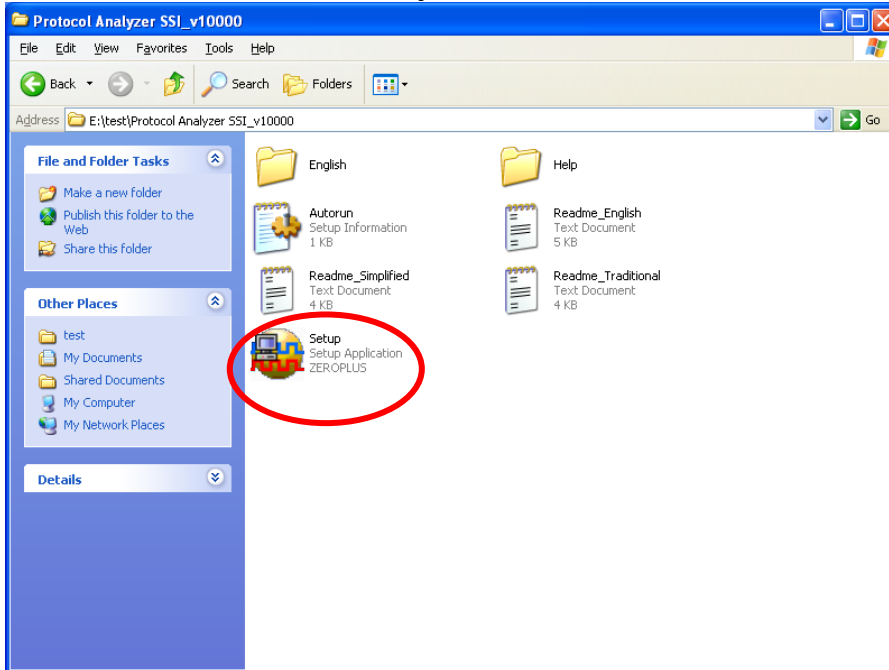
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## 1 Software Installation

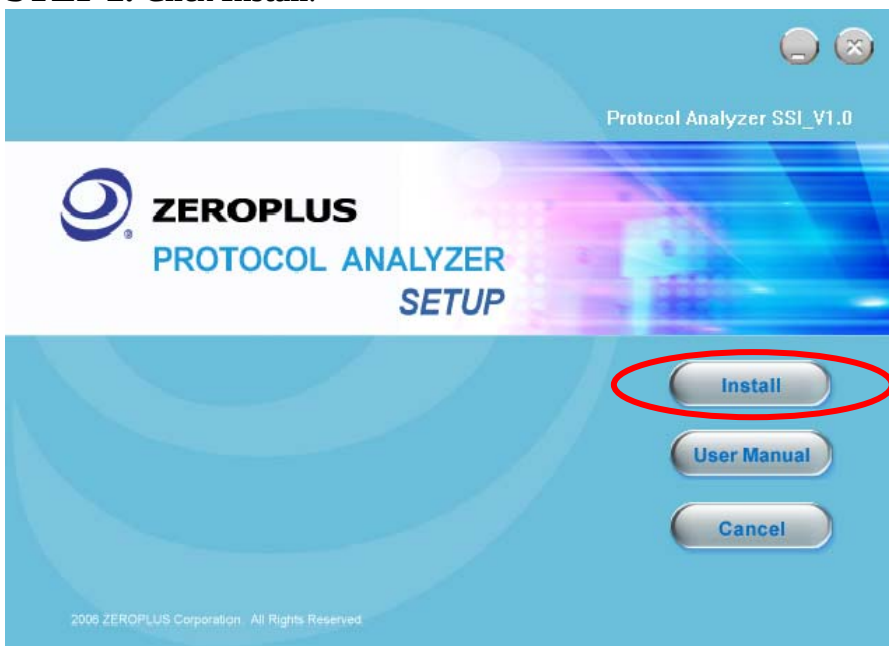
Please install the software as the following steps.

- ※ Remark: 1. The installation steps for all protocol analyzers are the same; you can complete the 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 some unconformity caused by the module version upgrade, users should take the module software as the standard.

### STEP 1. Install Protocol Analyzer Module.

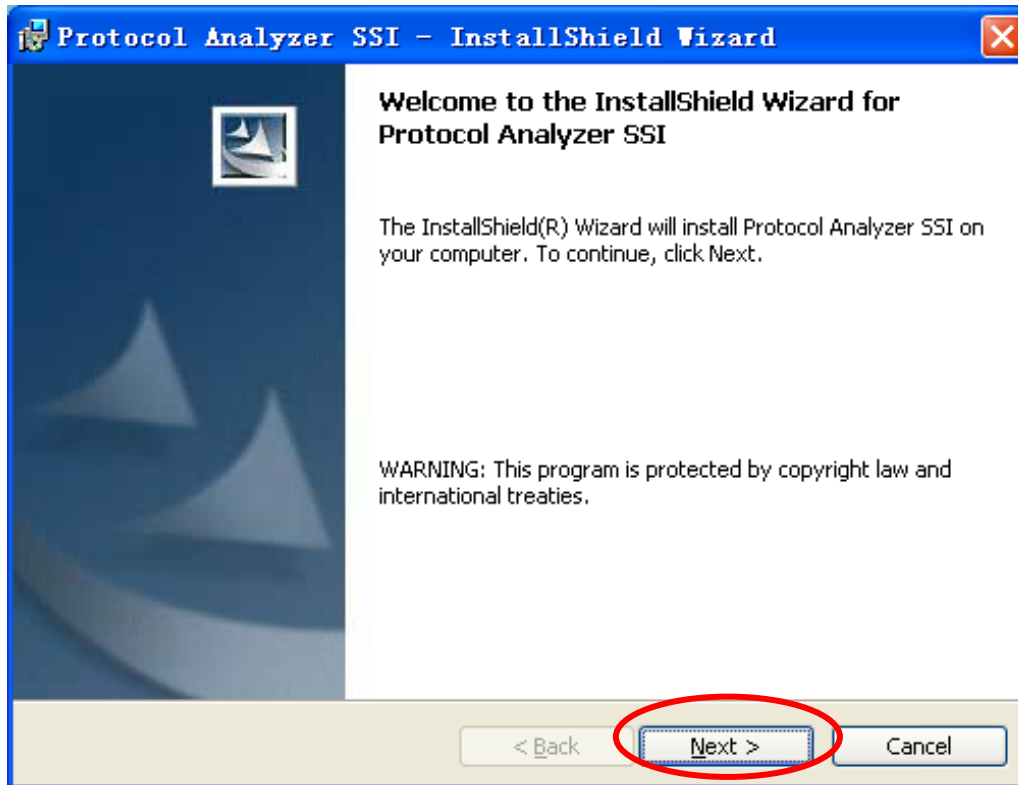


### STEP 2. Click Install.

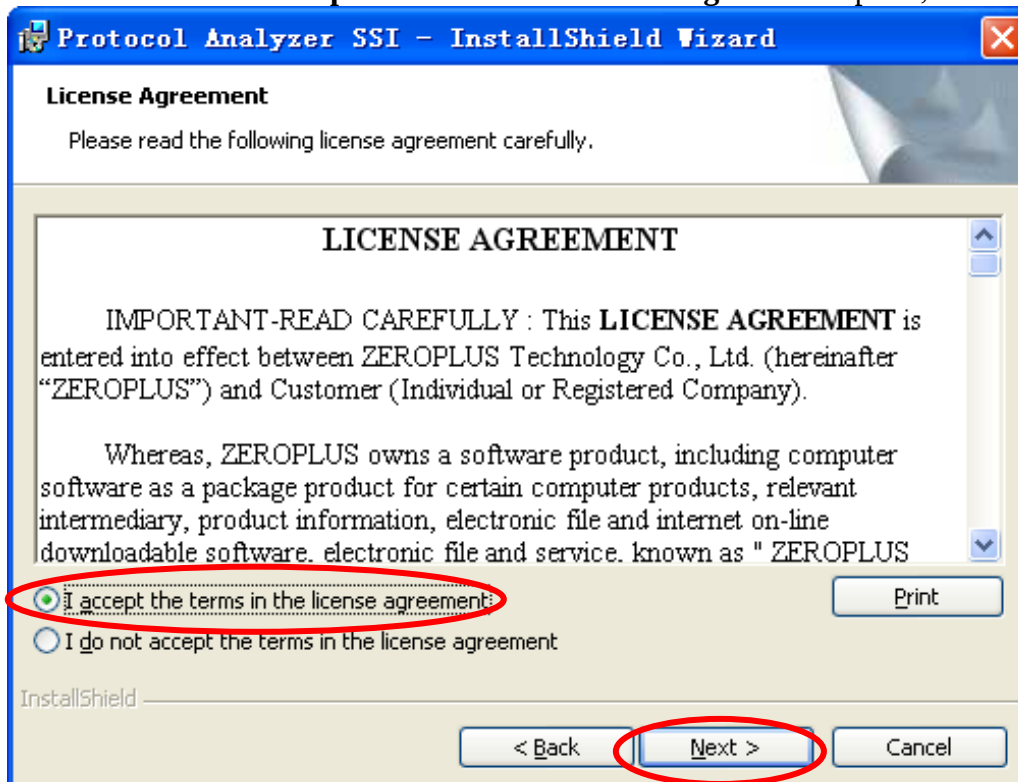




**STEP 3.** Click Next.



**STEP 4.** Click I accept the terms in the license agreement option, and then click Next.





**STEP 5.** Fill the relative information in the below dialog box , and then click **Next**.

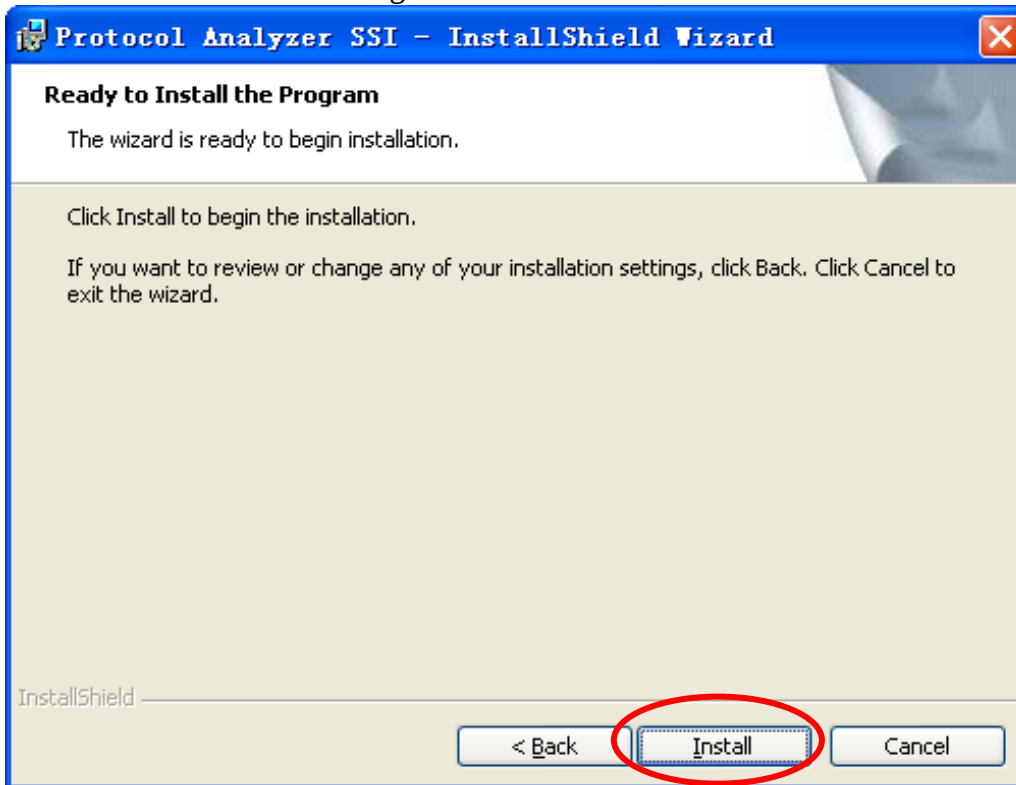
The dialog box is titled "Protocol Analyzer SSI - InstallShield Wizard". It contains a section "Customer Information" with the instruction "Please enter your information." Below this are two text input fields: "User Name:" with the text "sunshine" and "Organization:" with the text "zeroplus". There are two radio buttons for installation scope: "Anyone who uses this computer (all users)" (selected) and "Only for me (微软用户)". At the bottom, there are three buttons: "< Back", "Next >" (circled in red), and "Cancel".

**STEP 6.** Select the **Complete** option, and then click **Next**.

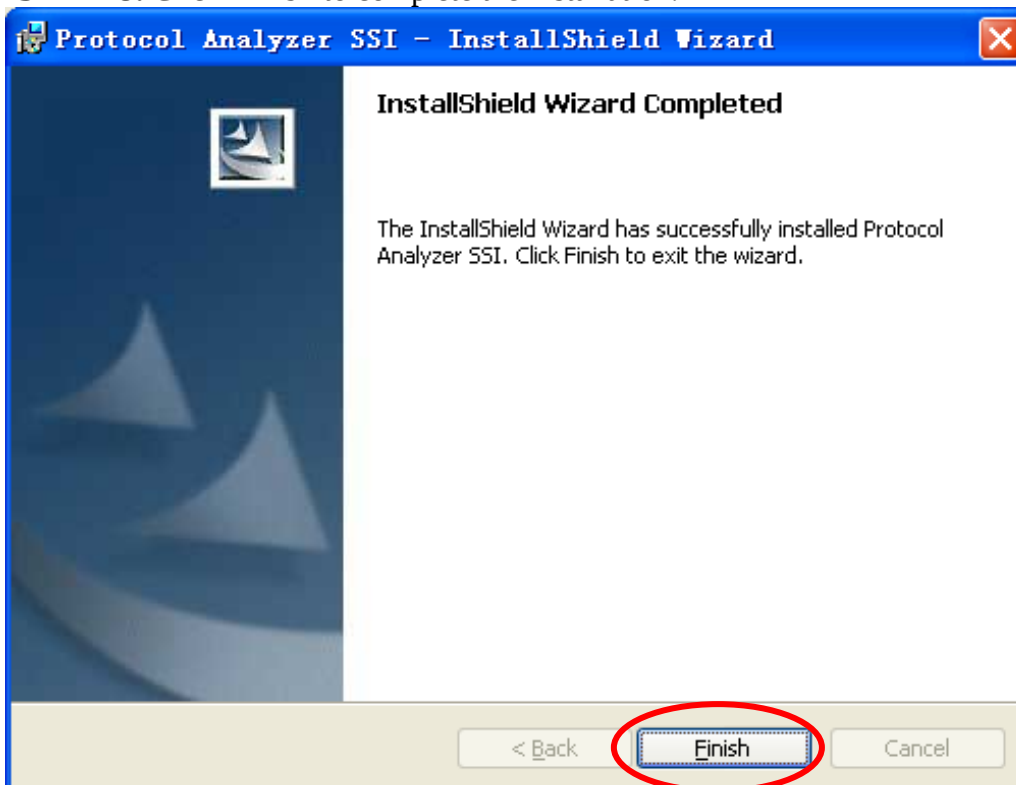
The dialog box is titled "Protocol Analyzer SSI - InstallShield Wizard". It contains a section "Setup Type" with the instruction "Choose the setup type that best suits your needs." Below this are two radio buttons: "Complete" (selected) and "Custom". The "Complete" option has a description: "All program features will be installed. (Requires the most disk space.)". The "Custom" option has a description: "Choose which program features you want installed and where they will be installed. Recommended for advanced users." At the bottom, there are three buttons: "< Back", "Next >" (circled in red), and "Cancel".



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



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

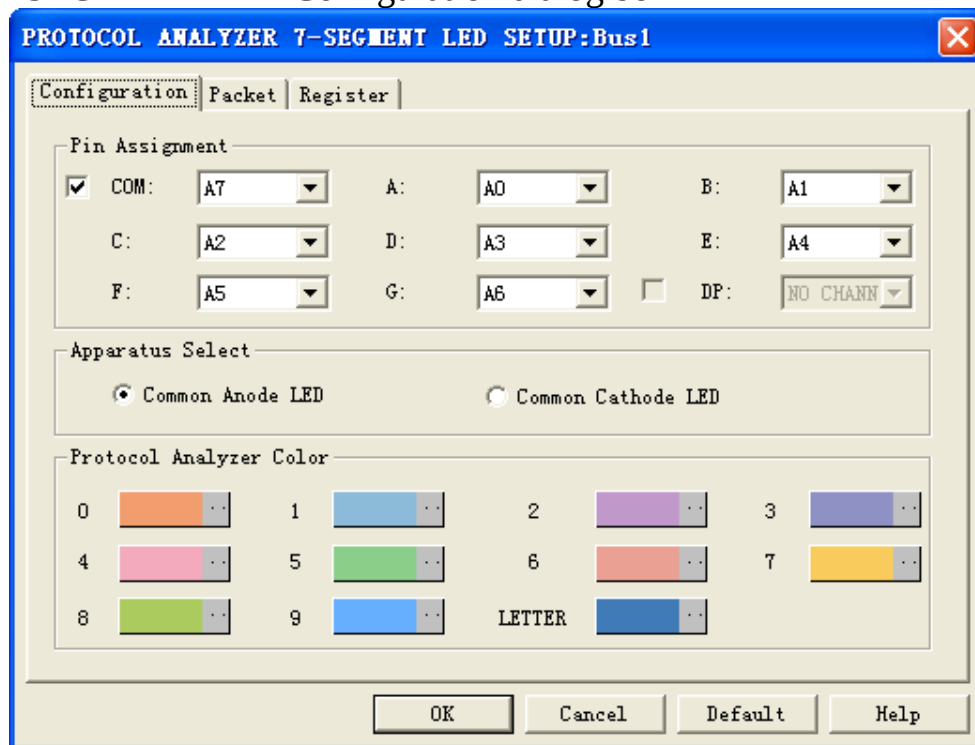




## 2 User Interface

Please refer to the below images to set up 7-SEGMENT LED.

### 7-SEGMENT LED Configuration dialog box



#### Pin Assignment:

**COM:** When COM is activated, the user can customize it; the default is B0.

**A:** Users can customize it; the default is A0.

**B:** Users can customize it; the default is A1.

**C:** Users can customize it; the default is A2.

**D:** Users can customize it; the default is A3.

**E:** Users can customize it; the default is A4.

**F:** Users can customize it; the default is A5.

**G:** Users can customize it; the default is A6.

**DP:** When DP is activated, the user can customize it; the default is A7.

#### Apparatus Select:

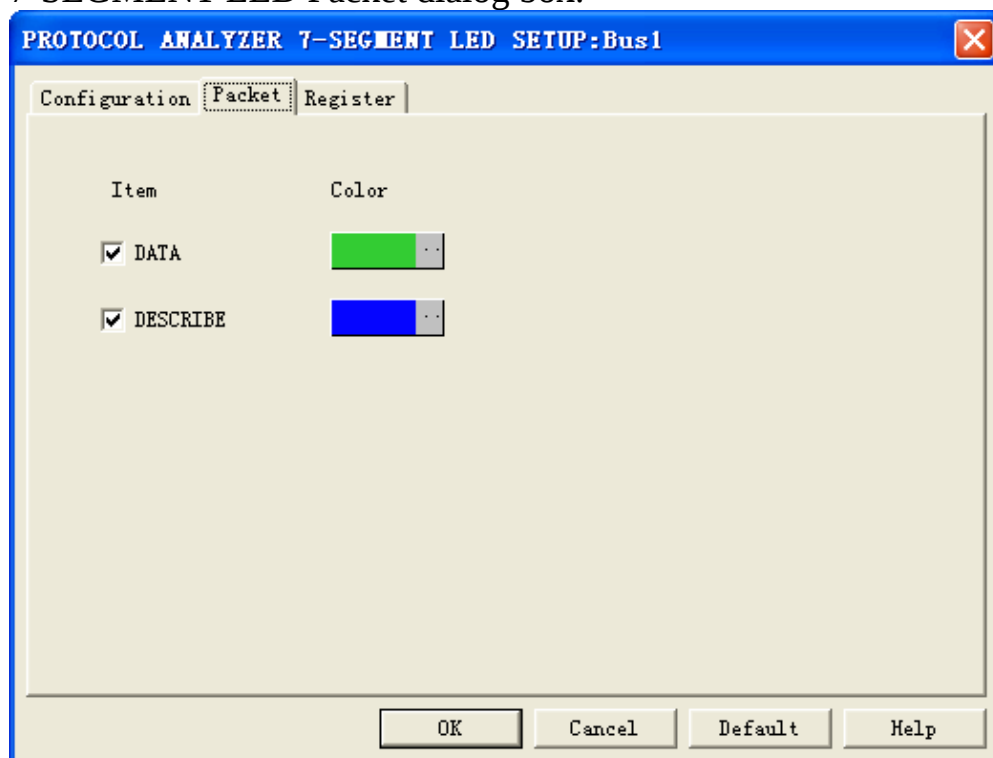
It can set up the Common Anode LED and Common Cathode LED; the default is the Common Anode LED.

#### Protocol Analyzer Color:

Users can customize the color of the protocol analyzer; the red denotes error.

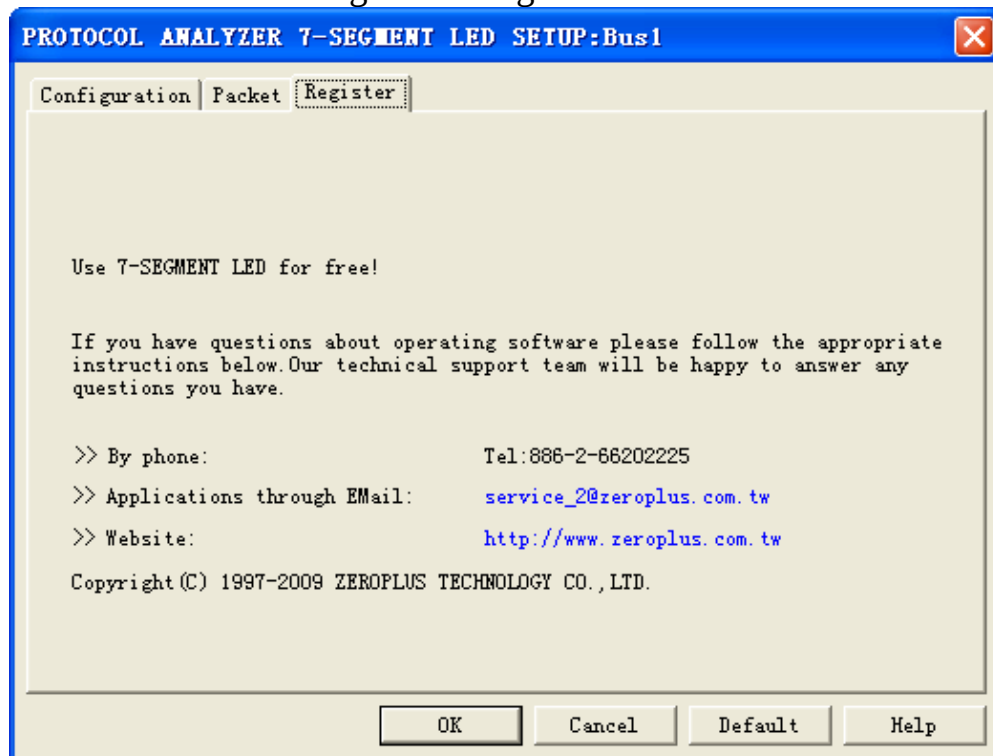


## 7-SEGMENT LED Packet dialog box.



In the packet part, users can select the item and customize the color of the item.

## 7-SEGMENT LED Register dialog box

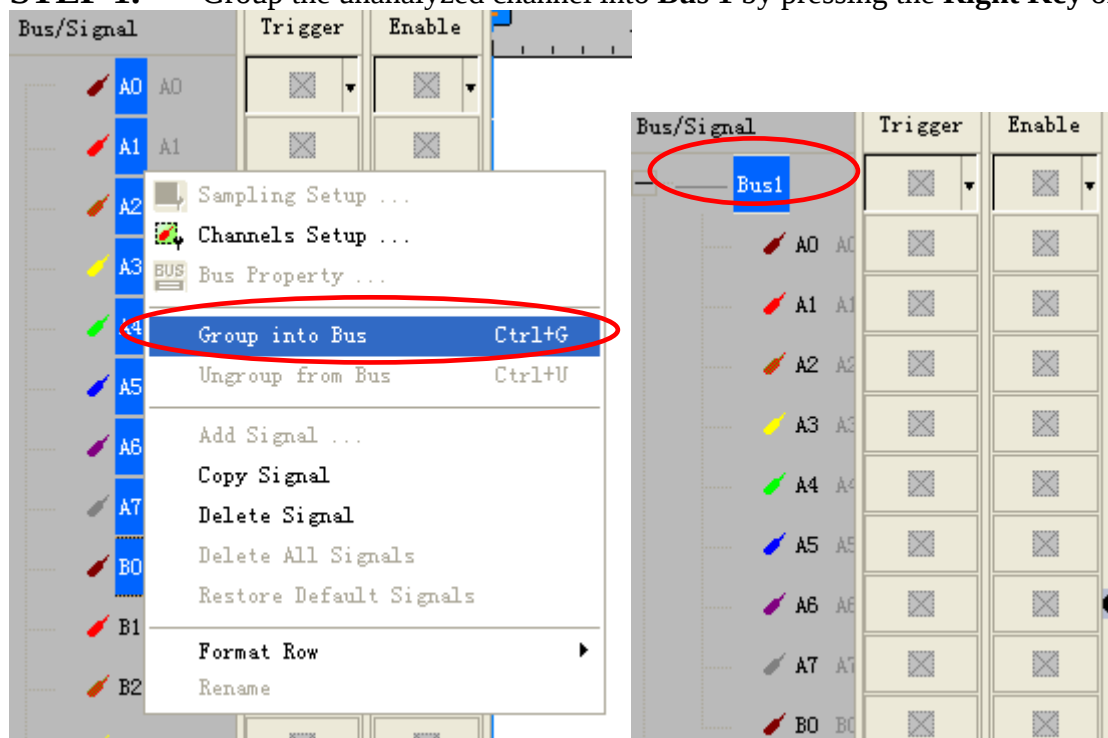


There is ZeroPlus company information. If you have any questions about software operations, you can contact ZeroPlus by Telephone or Email.

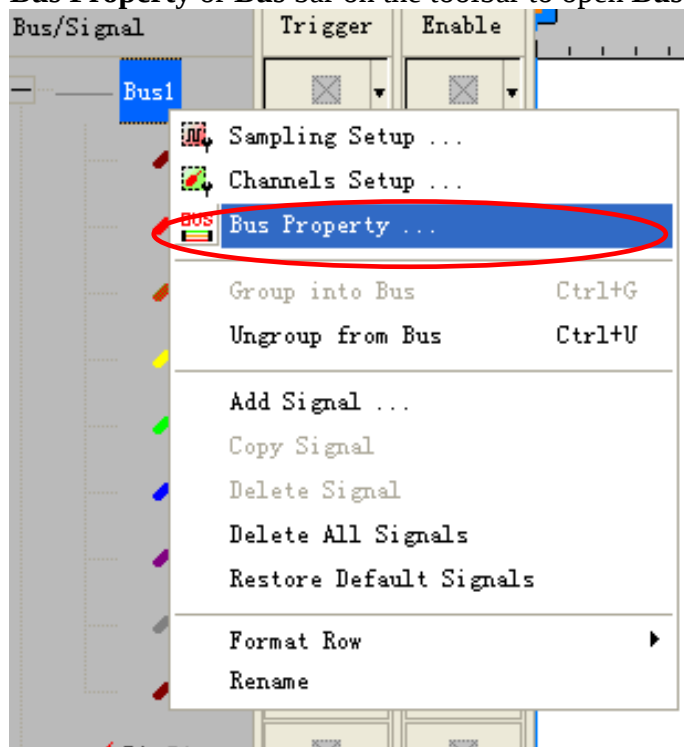


### 3 Operating Instructions

**STEP 1.** Group the unanalyzed channel into **Bus 1** by pressing the **Right Key** on the mouse.

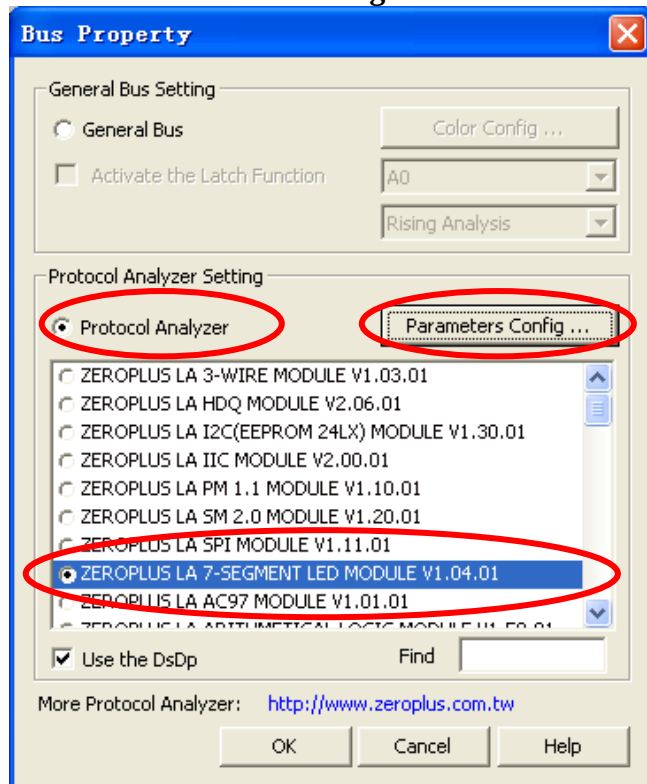


**STEP 2.** Select **Bus1**, then press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus** bar on the toolbar to open **Bus Property** dialog box.

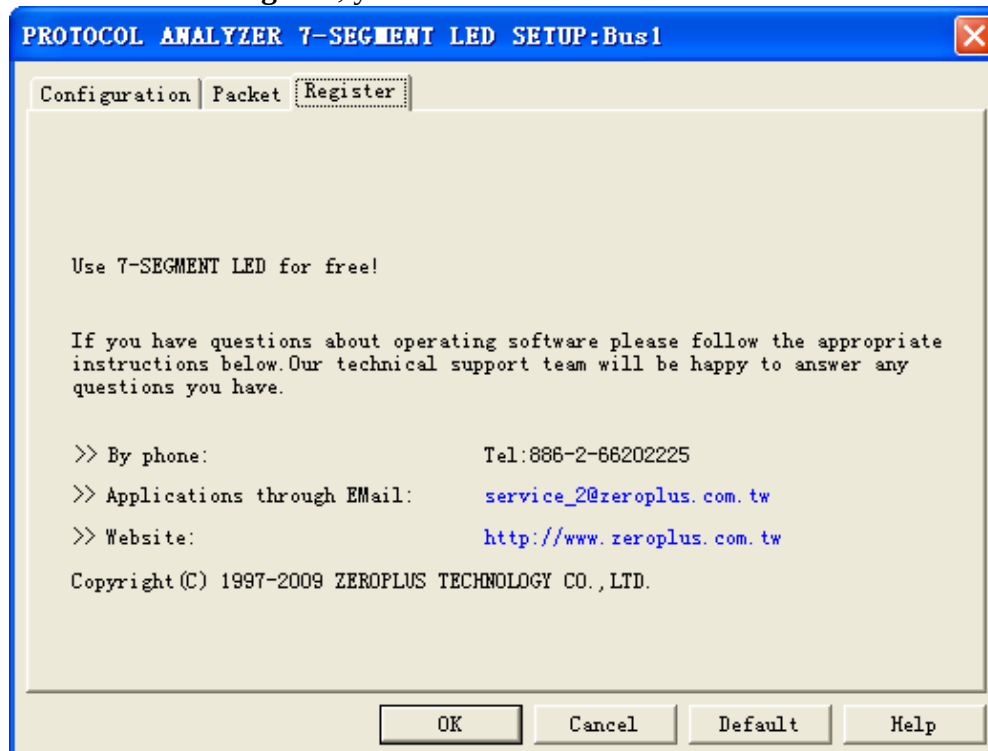




**STEP 3.** Click Protocol Analyzer and select **ZEROPLUS LA 7-SEGMENT LEDMODULV1.04.01**, then click **Parameters Configuration**.

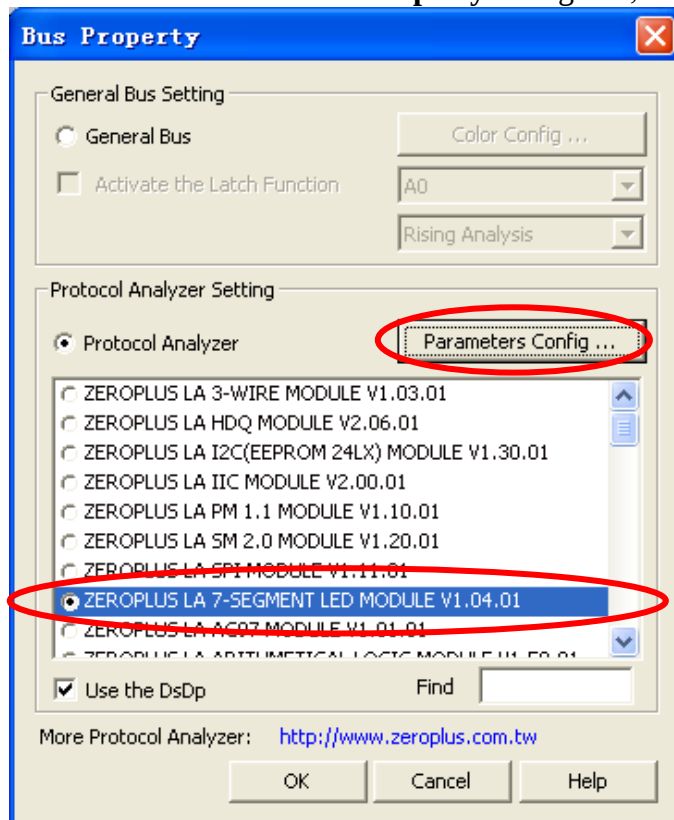


**STEP 4.** Click **Register**, you will see the words **Use 7-SEGMENT LED for free** in the dialog box.

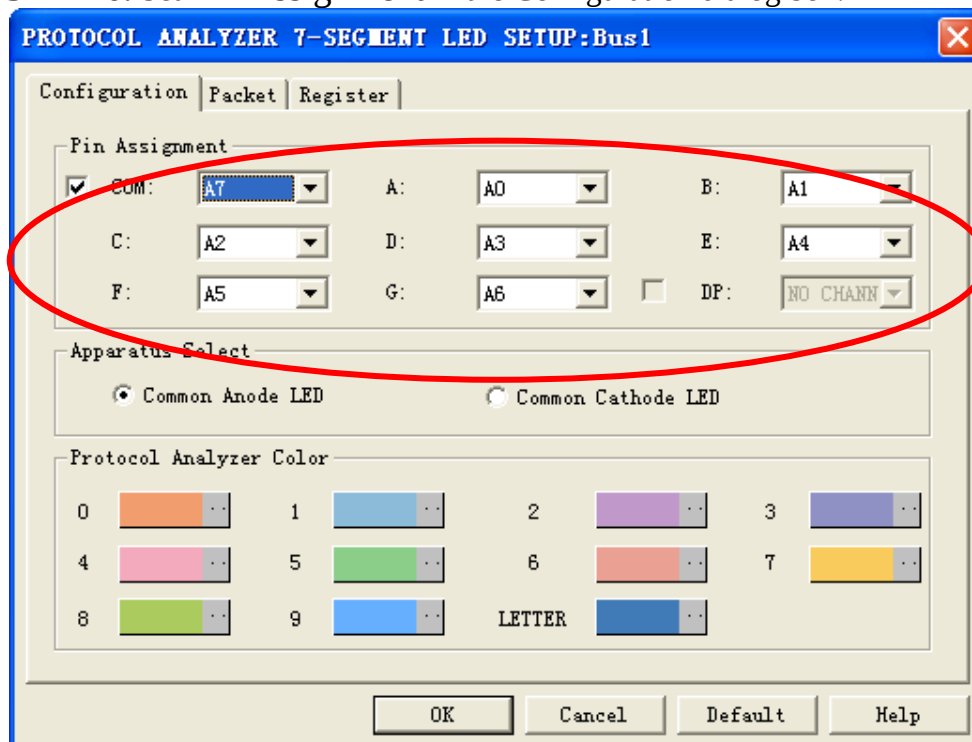




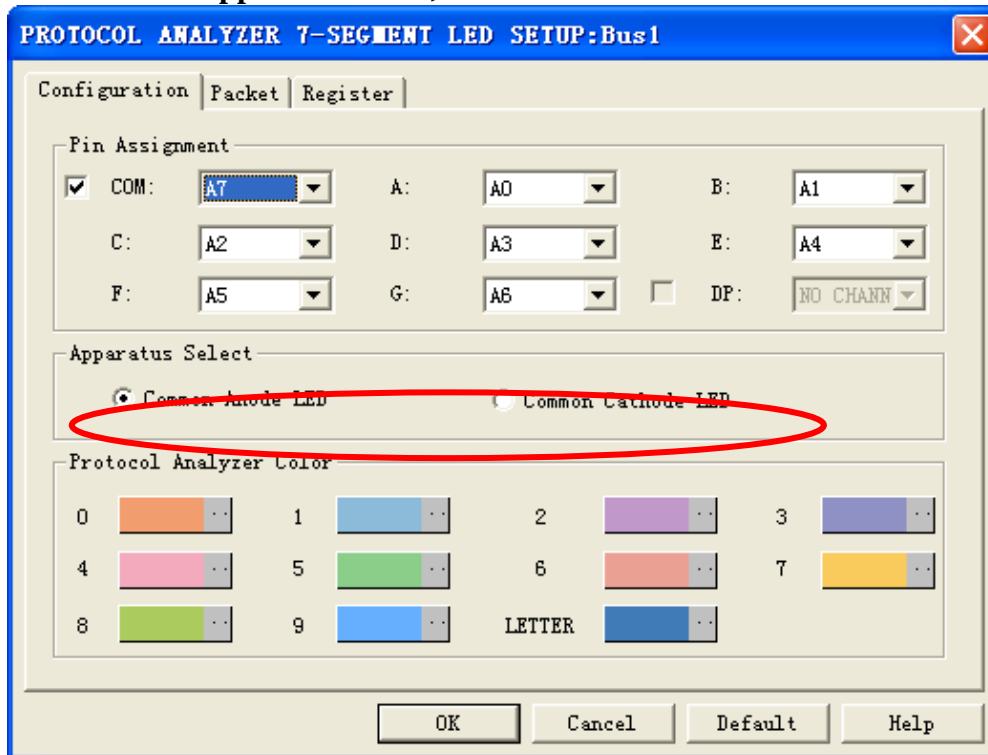
**STEP 5.** Return to the **Bus Property** dialog box, and set up the parameters for the protocol analyzer.



**STEP 6.** Set Pin Assignment in the Configuration dialog box.

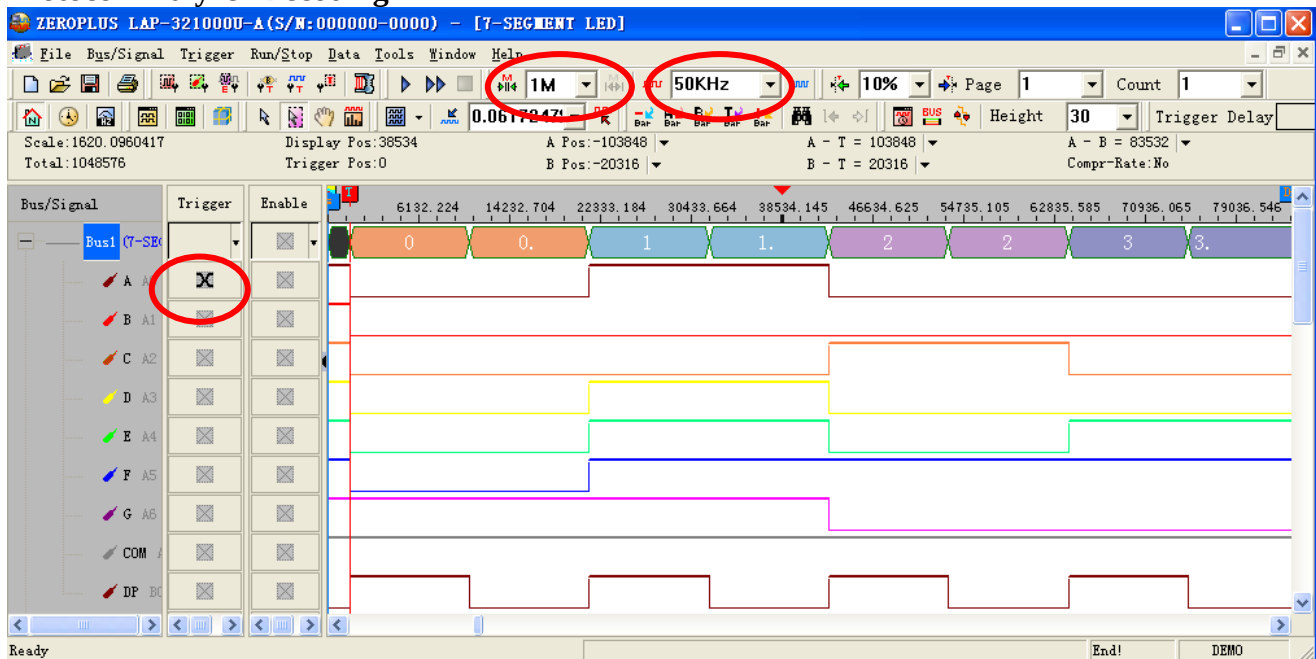


## STEP 7. Set Apparatus Select; the default is Common Anode LED.



## STEP 8. Following pictures show the completion of the protocol analyzer decoding and the packetlist. The trigger condition is Either Edge; the memory depth is 1M; the sampling frequency is 50KHz.

### Protocol Analyzer Decoding





## Packet List

