



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

SPECIFICATION

MODEL: PM1.1 Specification

PART NO : B08018

VERSION : V1.03

Approver		Check	Design
GM	PM		

Customer Confirm

* After signature you fax to zeroplus company , please .



Content

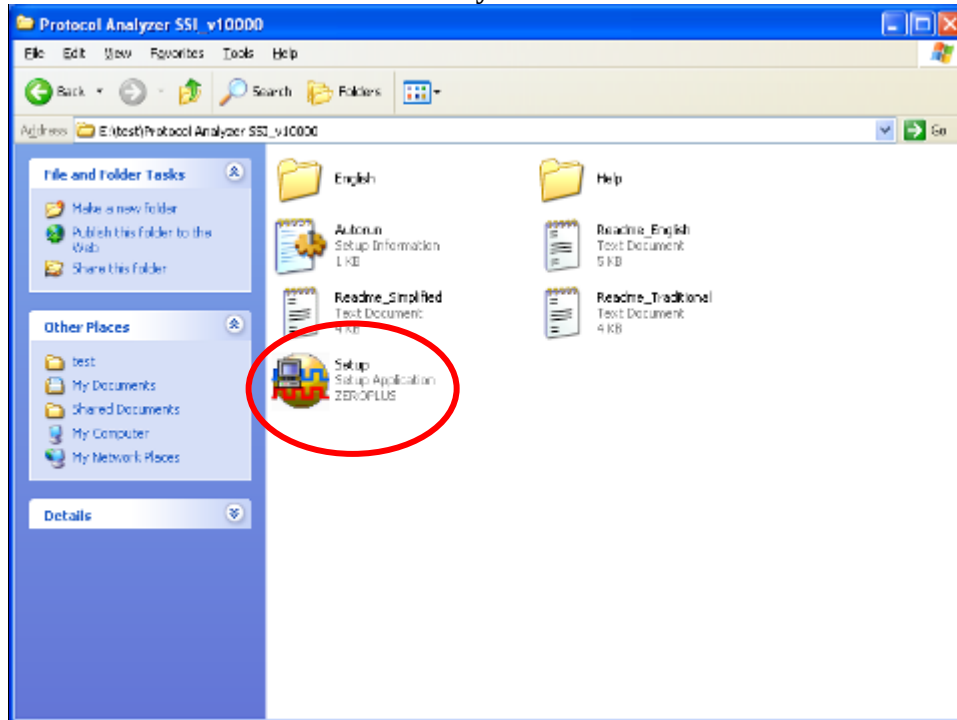
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1 Software Installation

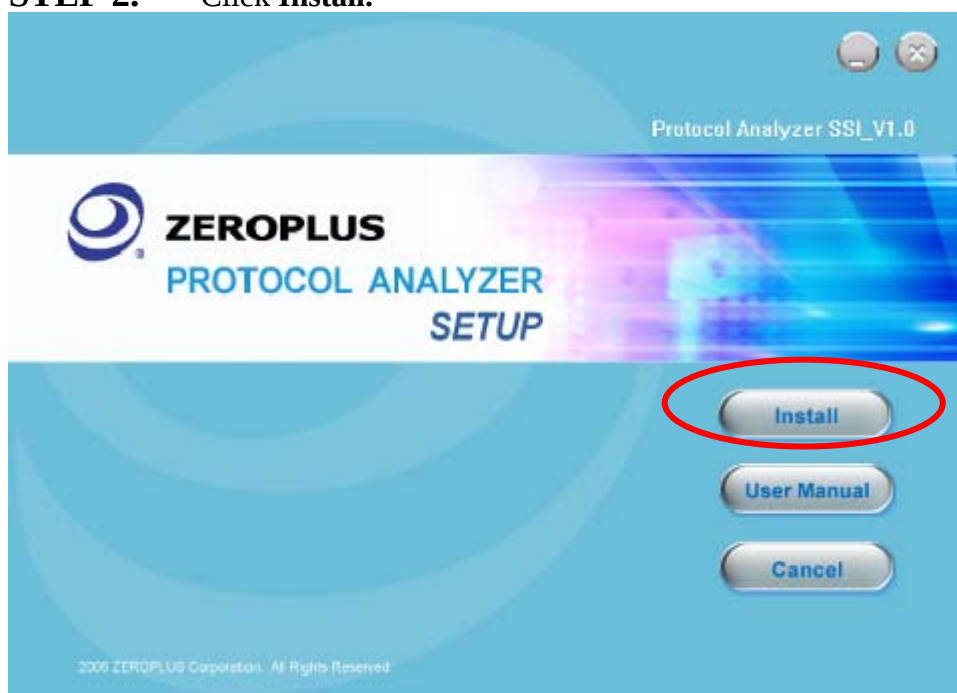
Please install the software as the following steps:

- ※ Remark: 1. The installation steps for all protocol analyzers are the same; you can complete the installation by following procedures. 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.

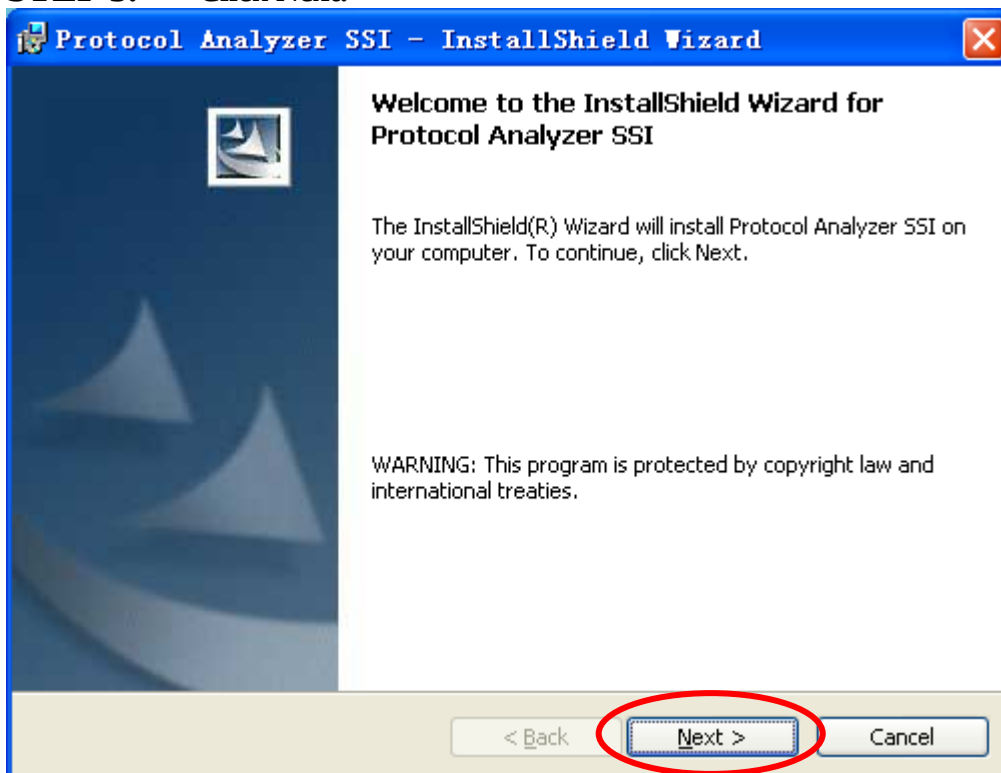


STEP 2. Click **Install**.

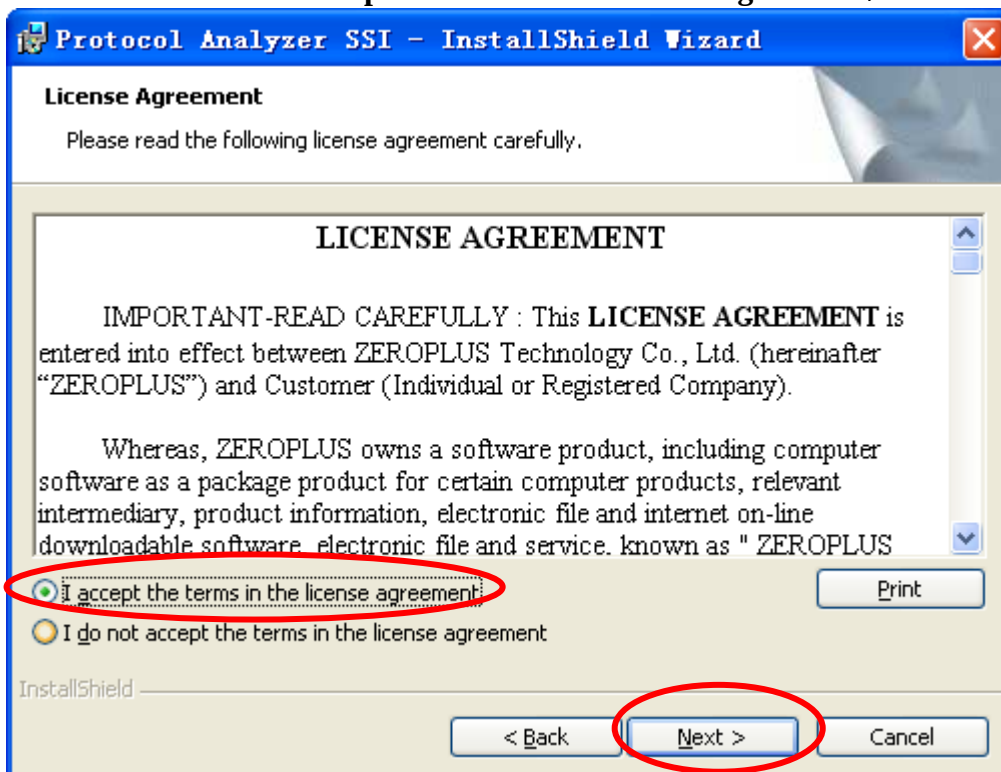




STEP 3. Click Next.



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**.

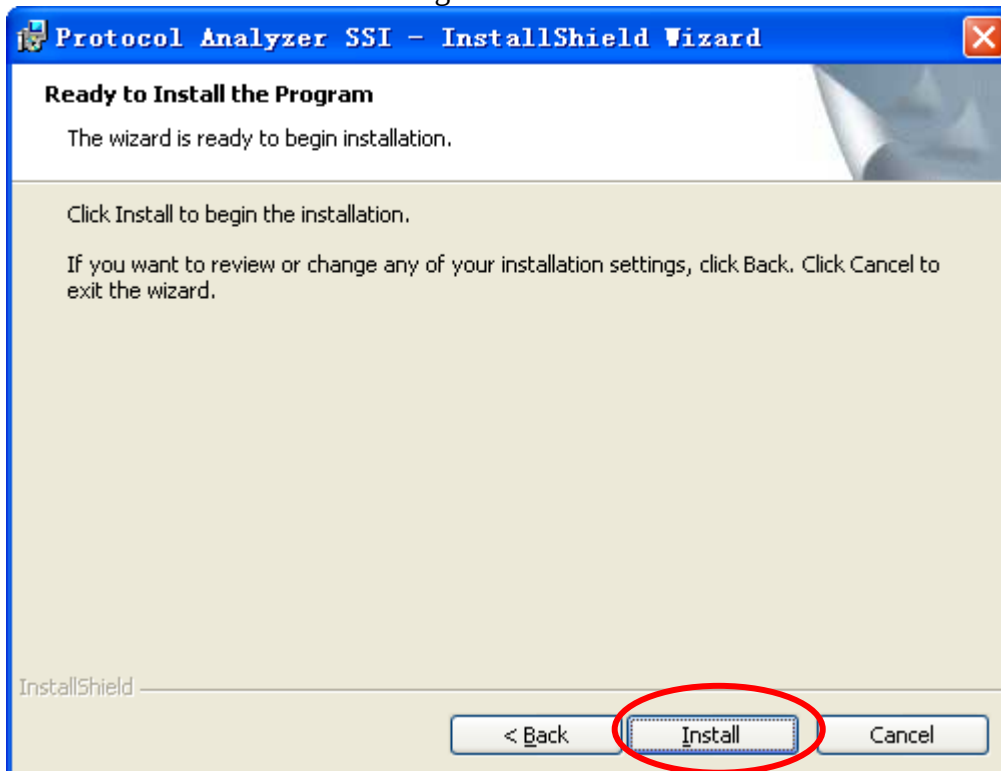
The dialog box is titled "Protocol Analyzer SSI - InstallShield Wizard". It has a "Customer Information" section with the instruction "Please enter your information." Below this are two text input fields: "User Name:" with the value "sunshine" and "Organization:" with the value "zeroplus". There is a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

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

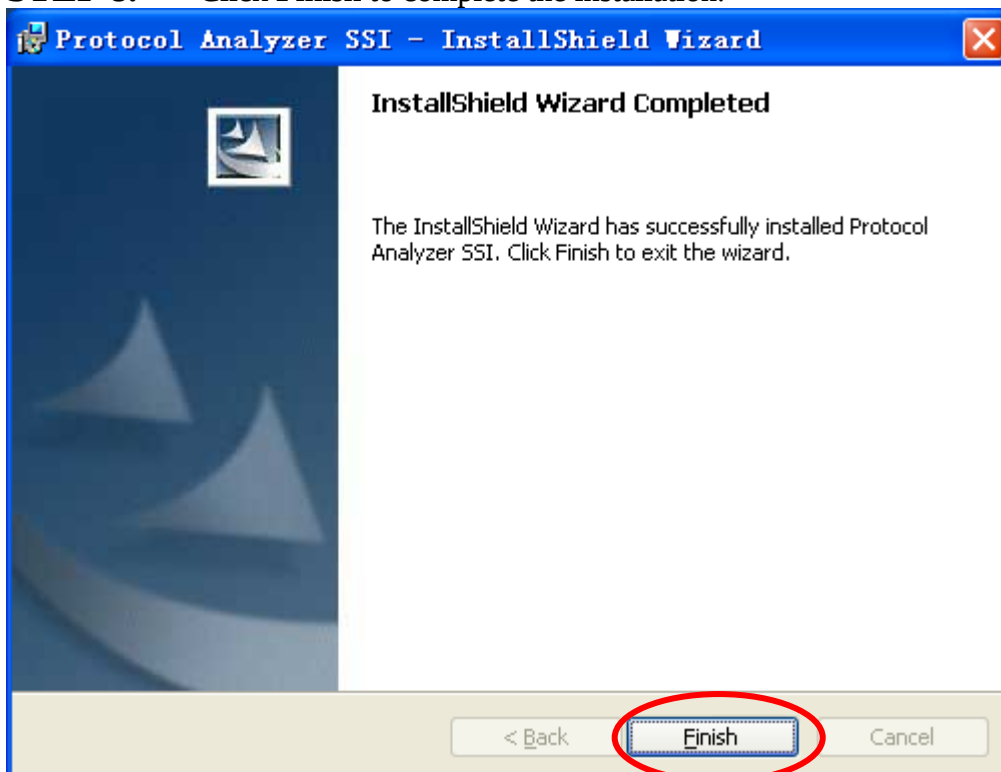
The dialog box is titled "Protocol Analyzer SSI - InstallShield Wizard". It has a "Setup Type" section with the instruction "Choose the setup type that best suits your needs." Below this is the text "Please select a setup type." There are two radio button options: "Complete" (which is selected) and "Custom". 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 >" (which is circled in red), and "Cancel".



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



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

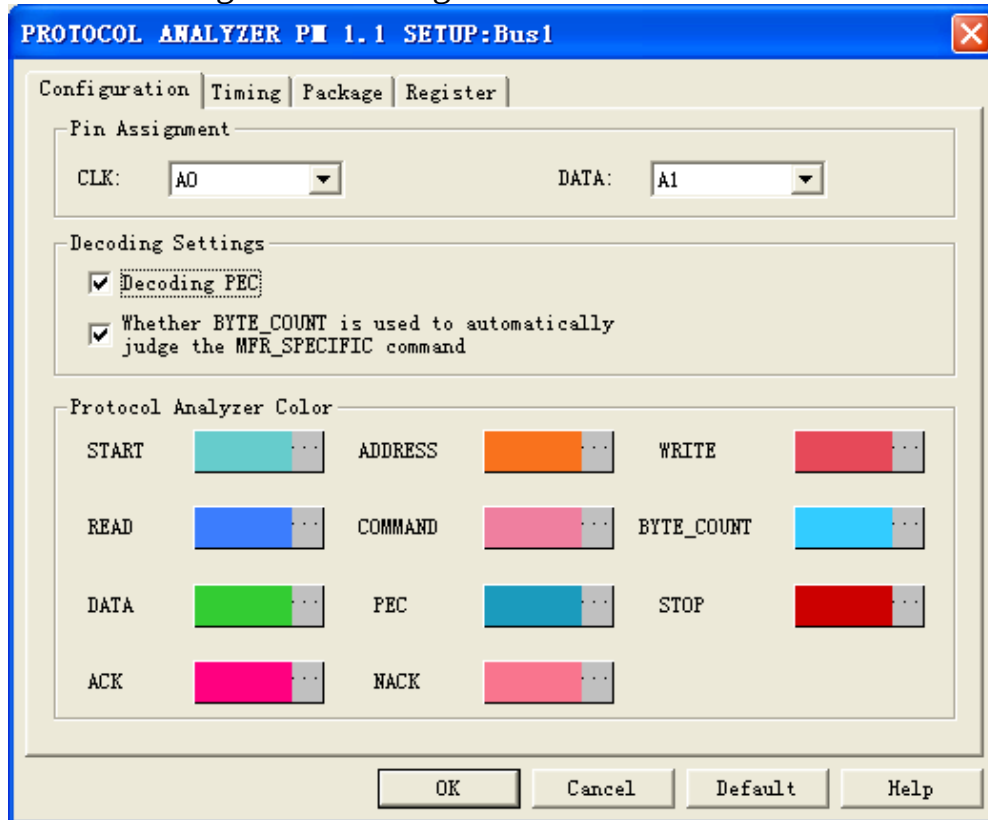




2 User Interface

In the configuration dialog box, please refer to the below images to select options of setting **PM 1.1 MODULE**.

PM 1.1 Configuration Dialog Box



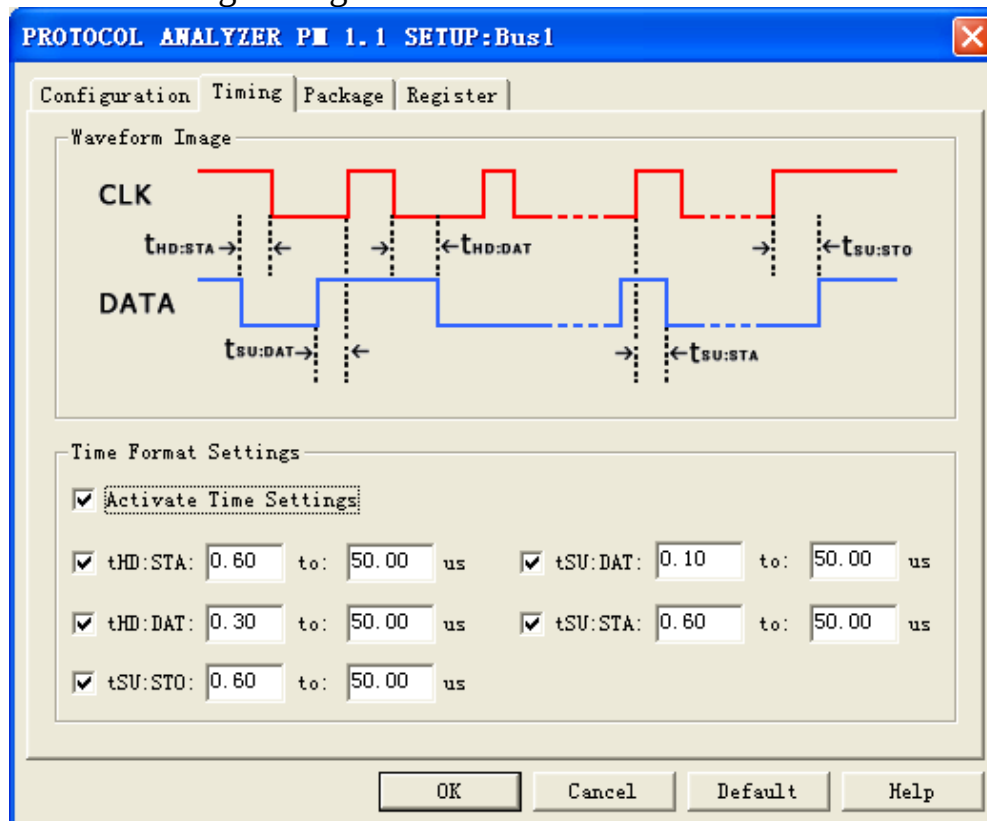
Pin Assignment: Set the corresponding signal lines. The default of CLK is A0; the default of DATA is A1.

Decoding Settings: Set the special decoding modes; for example, setting **Decoding PEC**, **Whether BYTE_COUNT is used to automatically judge the MFR_SPECIFIC command**.

Protocol Analyzer Color: Users can set and vary the color of the items according to their requirements.



PM 1.1 Timing Dialog Box



Waveform Image:

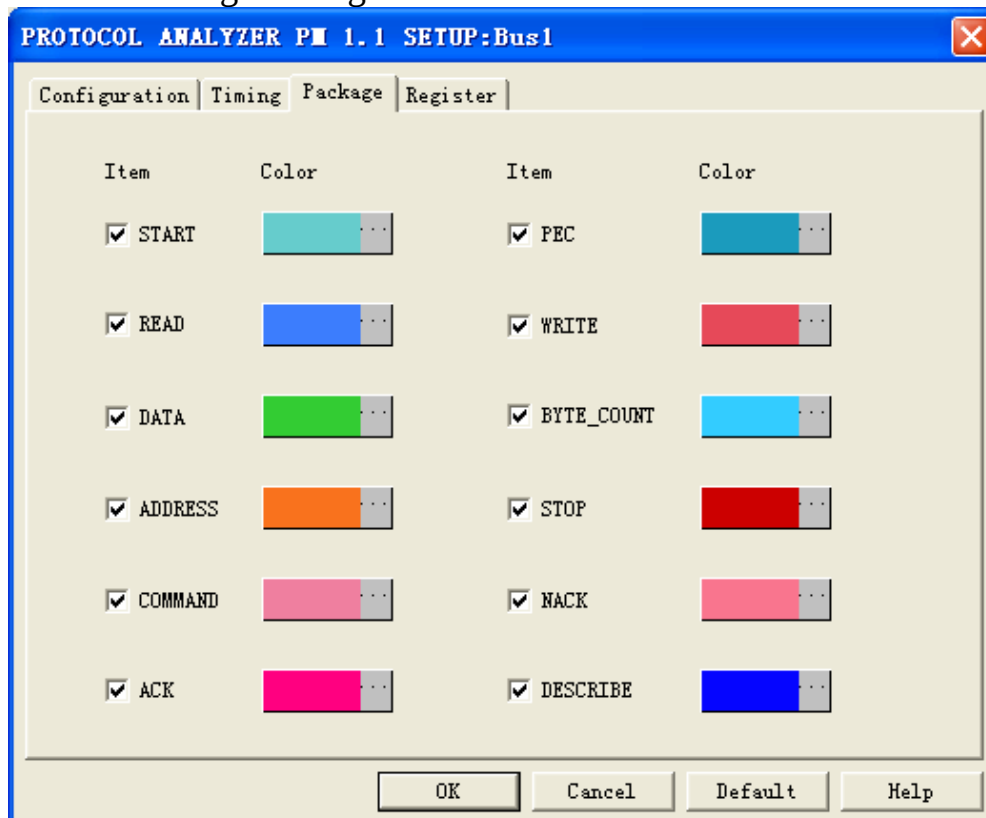
Describe the position of the set time.

Time Format Settings:

When the Time Settings are activated, the set time will become the condition of judging decoding. For example, when you want to decode START, you should judge whether the conditions of START is satisfied firstly, and then judge whether the set time of tHD: STA is coincident with the factual waveform. If the two conditions are satisfied, the START can be decoded. Other segments decoding of the package are the same as START decoding.

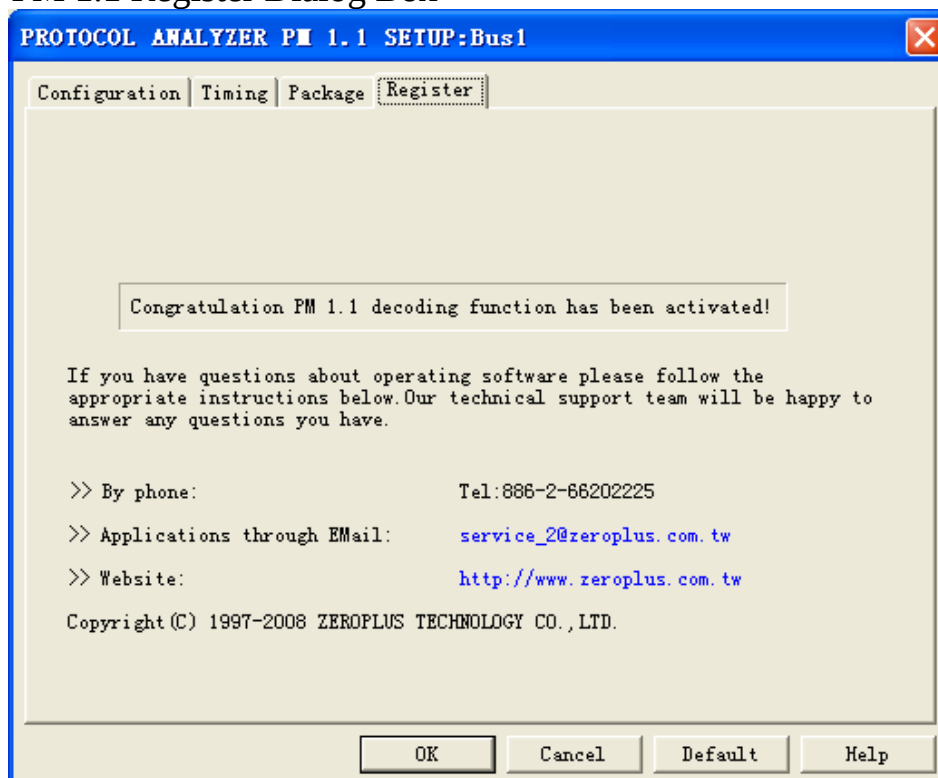


PM 1.1 Package Dialog Box



Users can choose the displayed items and set the protocol analyzer color as their requirements.

PM 1.1 Register Dialog Box

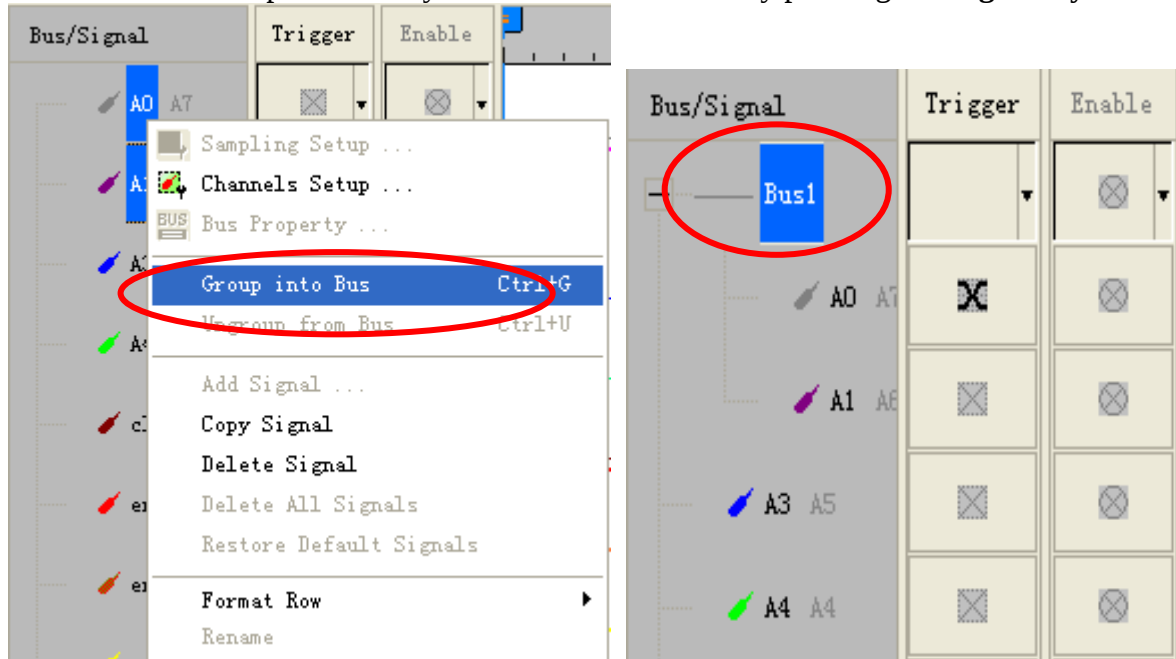


There is written ZeroPlus company information. If you have any questions about software operations, you can contact ZeroPlus by Telephone or Email.

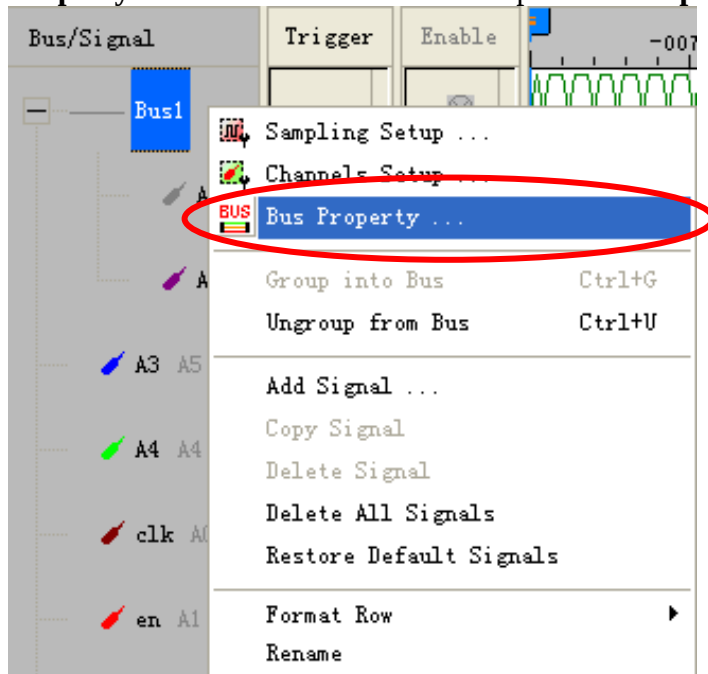


3 Operating Instructions

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

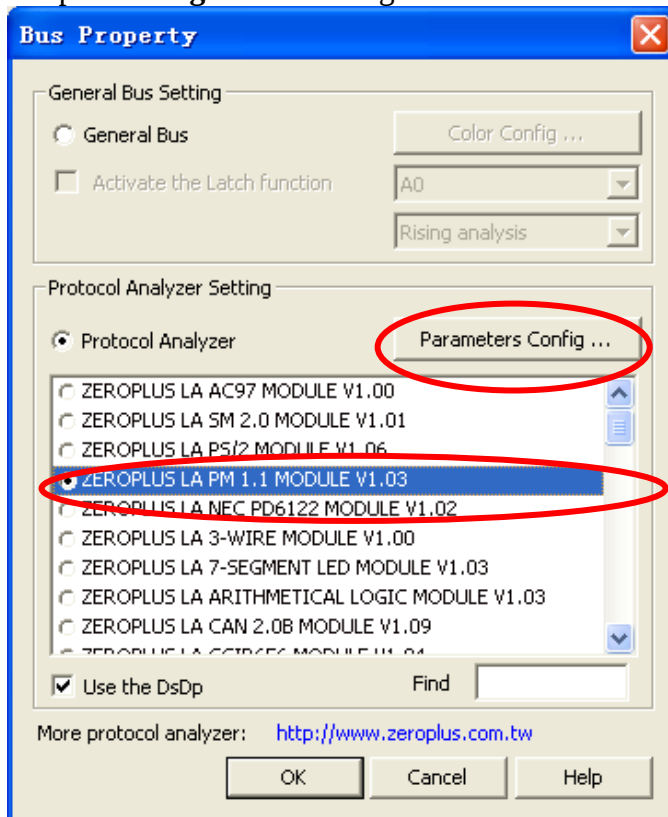


STEP 2. Select **Bus1**, then press **Right Key** on the mouse to list menu, then press **Bus Property** or **Bus** bar on the toolbar to open **Bus Property** dialog box.

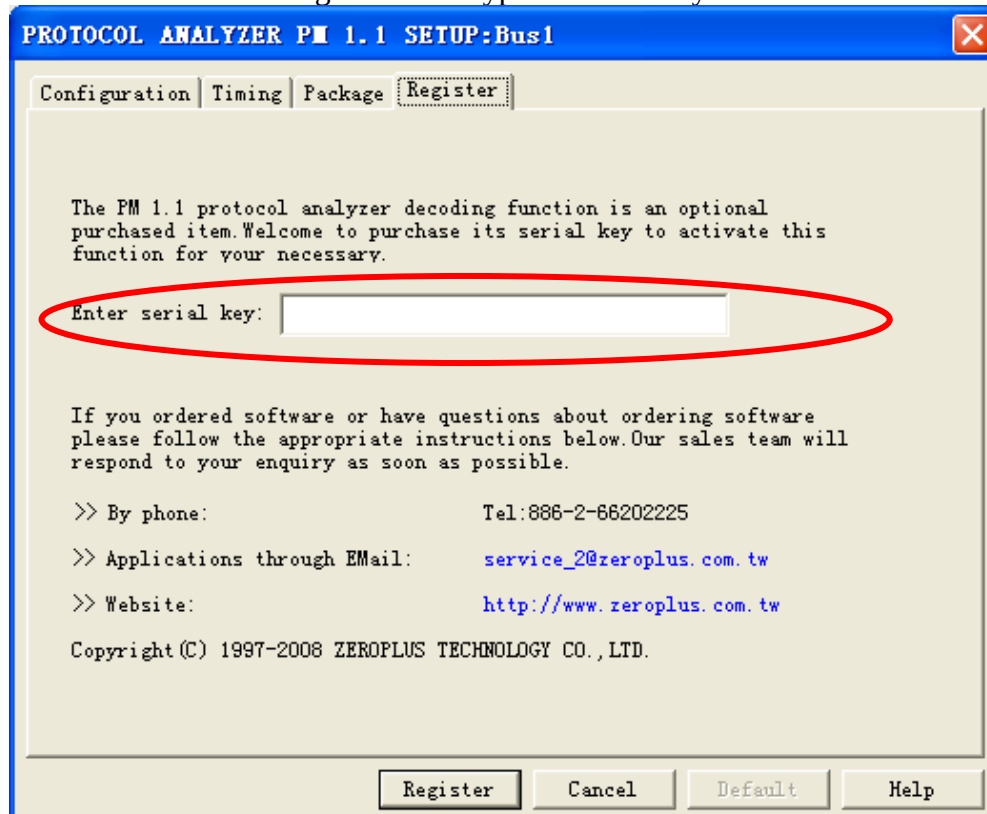




STEP 3. For Protocol Analyzer PM 1.1 Parameters Configuration, select Protocol Analyzer, and then select **ZEROPLUS LA PM 1.1 MODULE V1.03**. Next click **Parameters Configuration** to open **Configuration** dialog box.

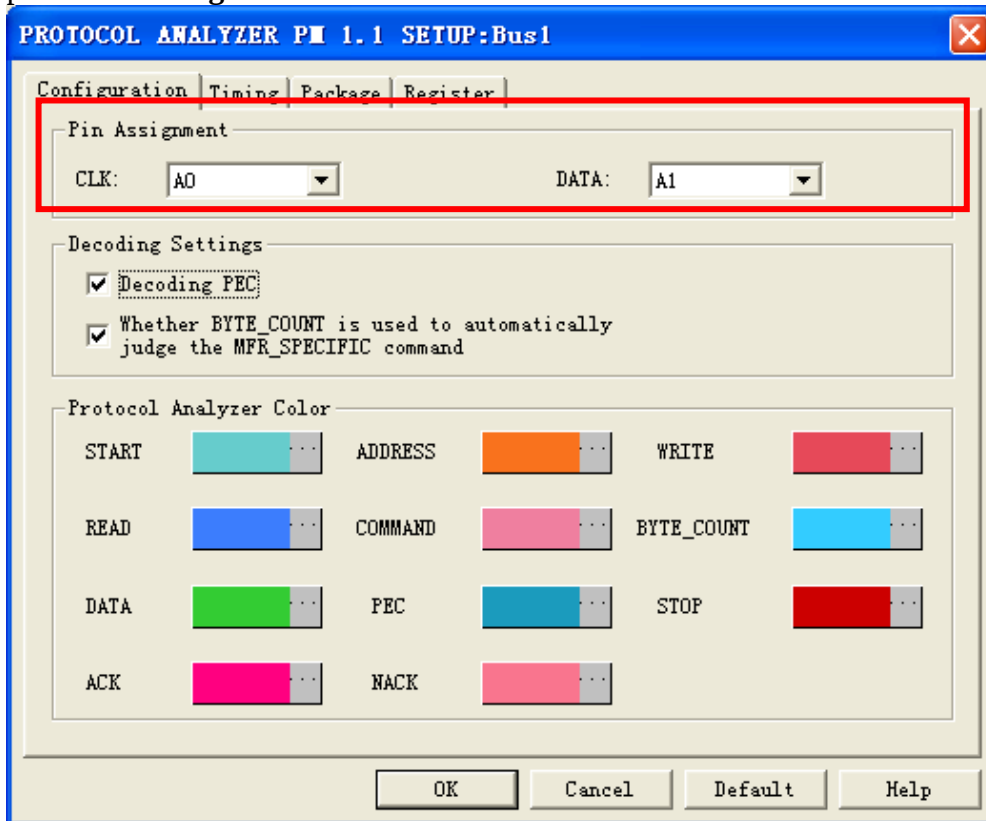


STEP 4. Click Register tab to type the serial key number of **PM 1.1**. Then, press **Register**.

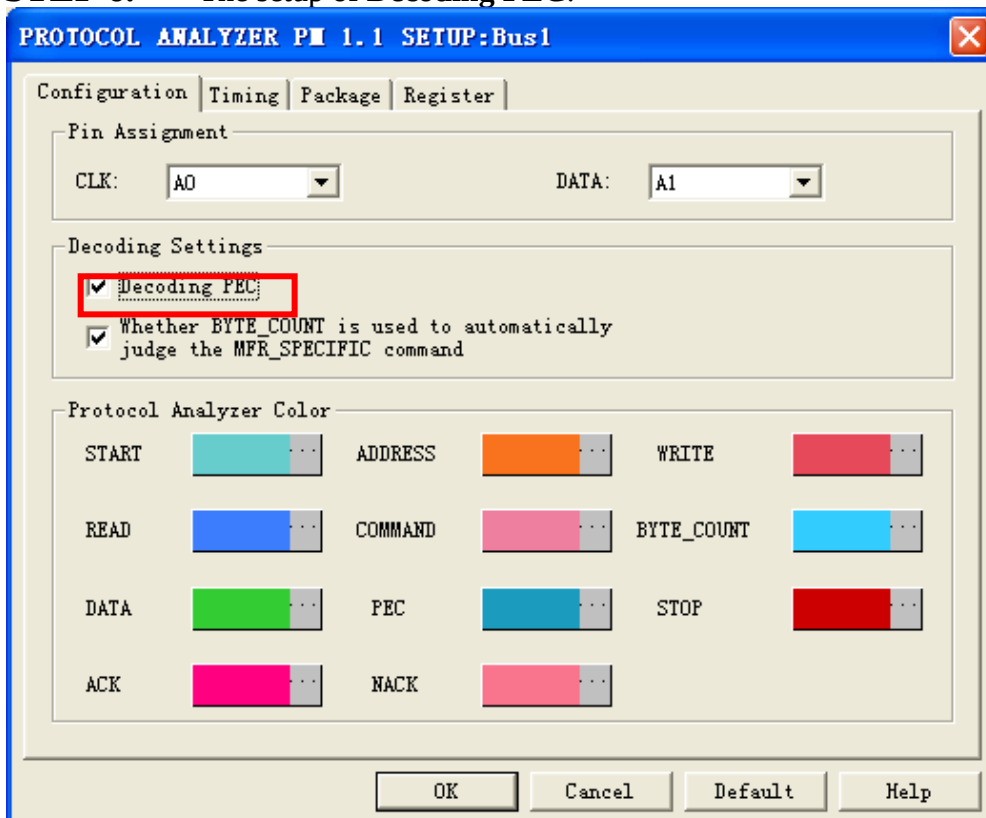




STEP 5. Open the configuration dialog box; select the corresponding PM 1.1 signal lines in the part of **Pin Assignment**.

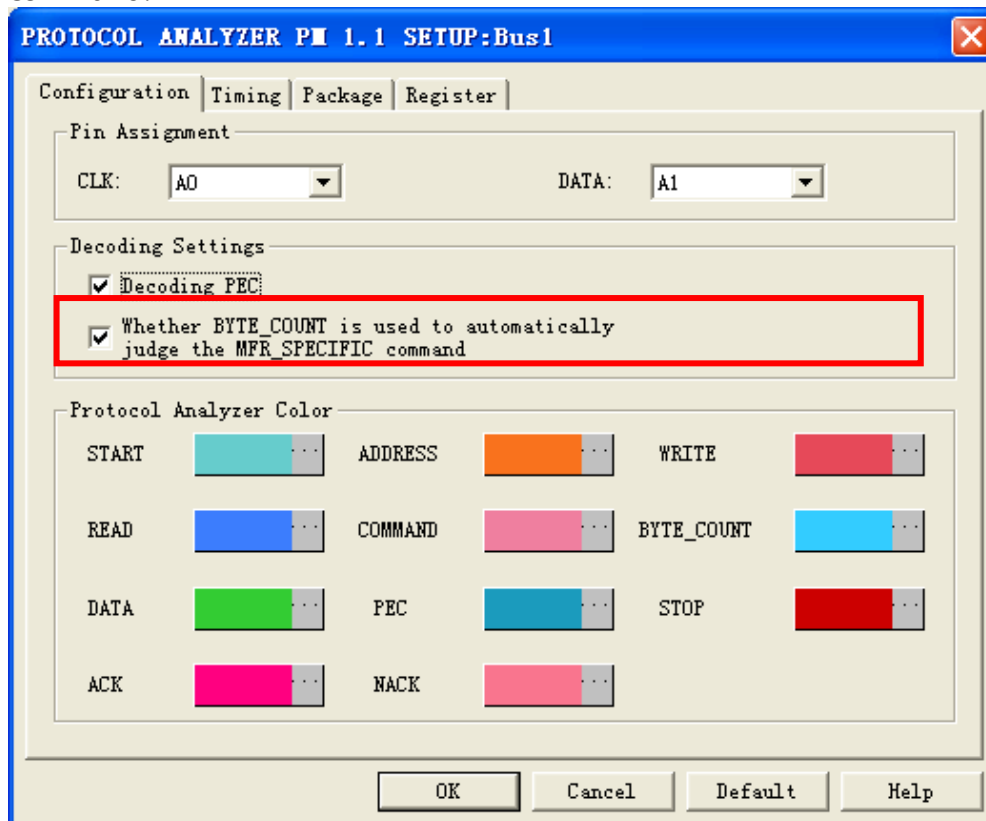


STEP 6. The setup of **Decoding PEC**.

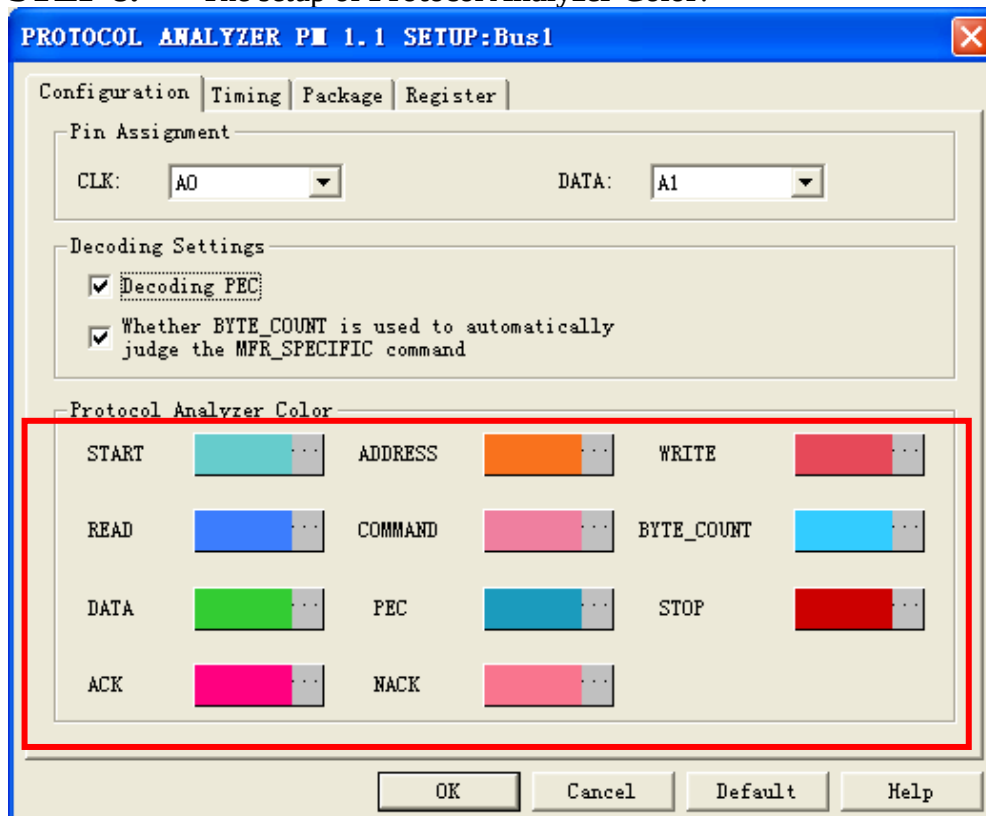




STEP 7. Set Whether BYTE_COUNT is used to automatically judge the MFR_SPECIFIC command.

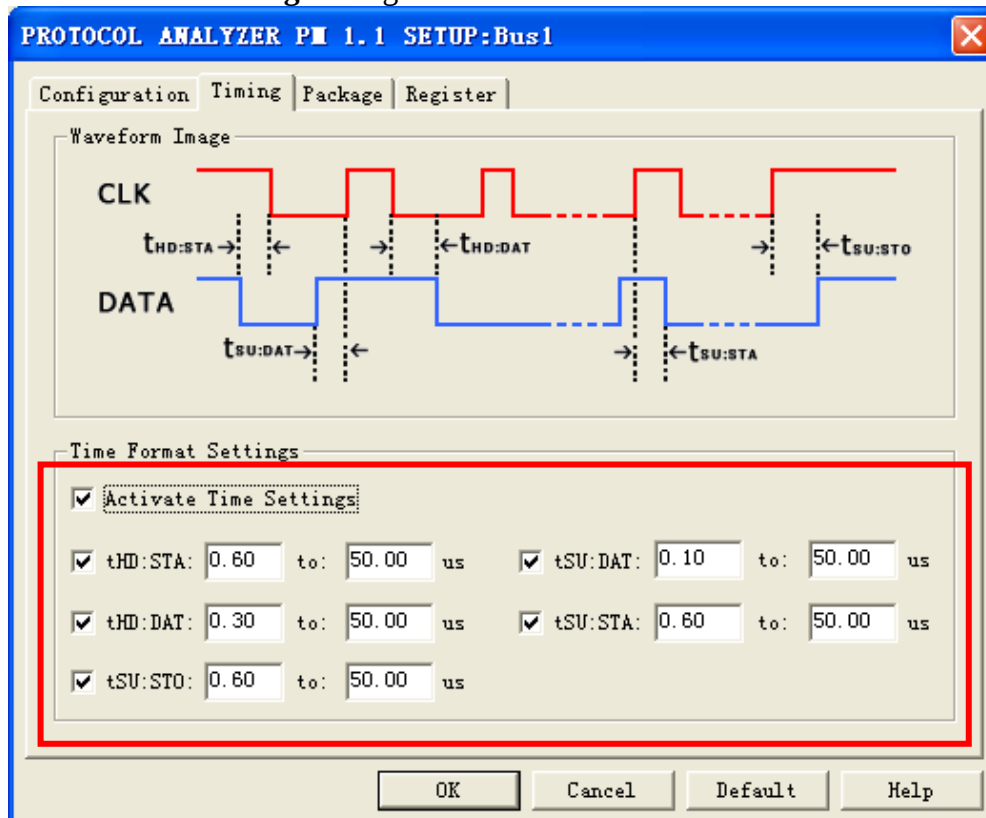


STEP 8. The setup of Protocol Analyzer Color.



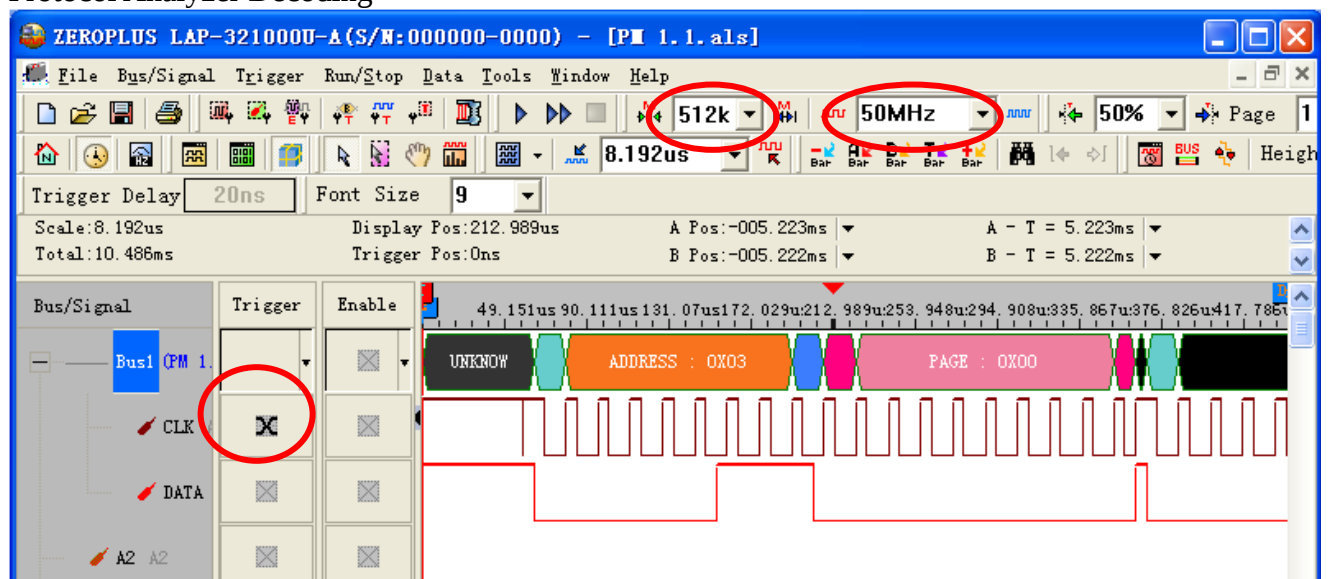


STEP 9. Timing Setting.



STEP 10. Following pictures show the completion of the protocol analyzer decoding and the package list. The trigger condition is set as Either Edge; the memory depth is 512K; the sampling frequency is 50MHz.

Protocol Analyzer Decoding





Package List

