



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

SPECIFICATION

MODEL: PSB Specification

PART NO : B08006

VERSION : V1.03

Approver		Check	Design
GM	PM		

Customer Confirm

* Please fax the file to
ZeroPlus Technology after
signing .

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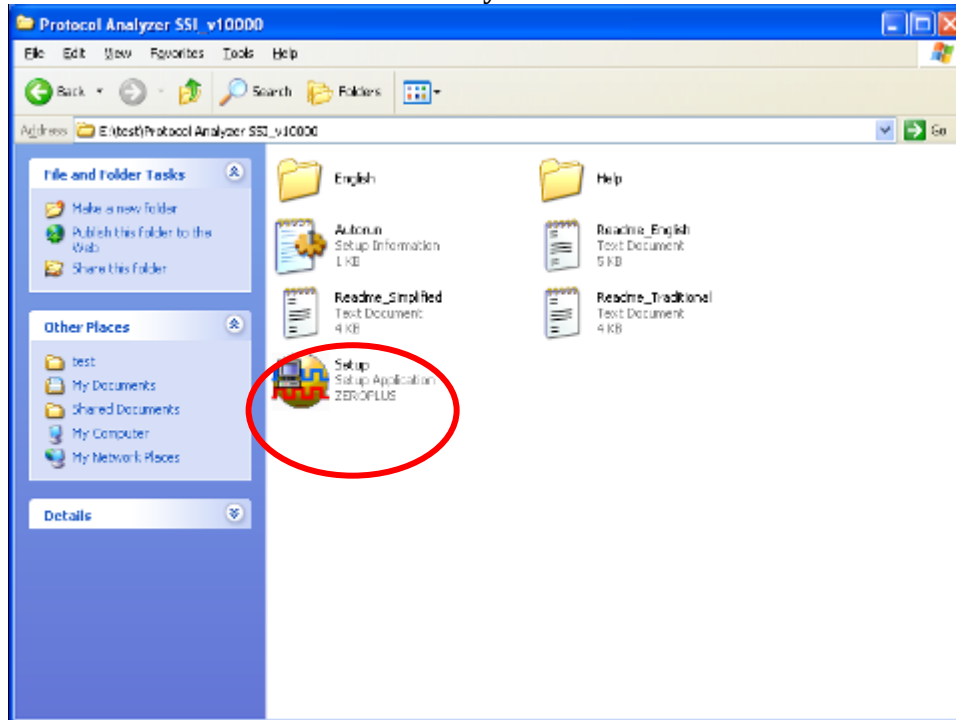


1 Software Installation

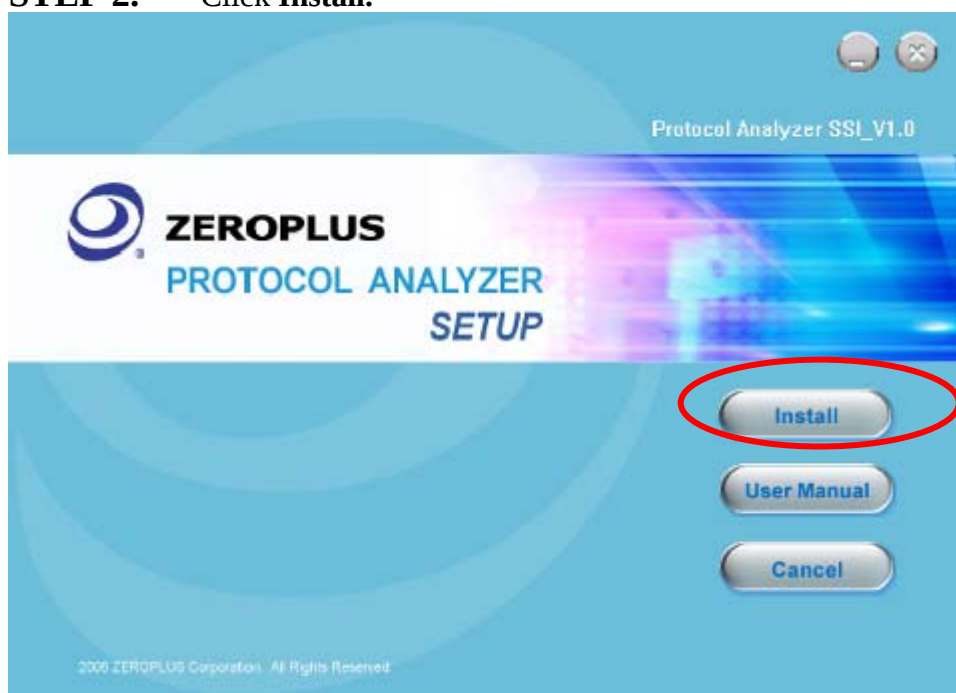
Please install the software as the following steps:

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

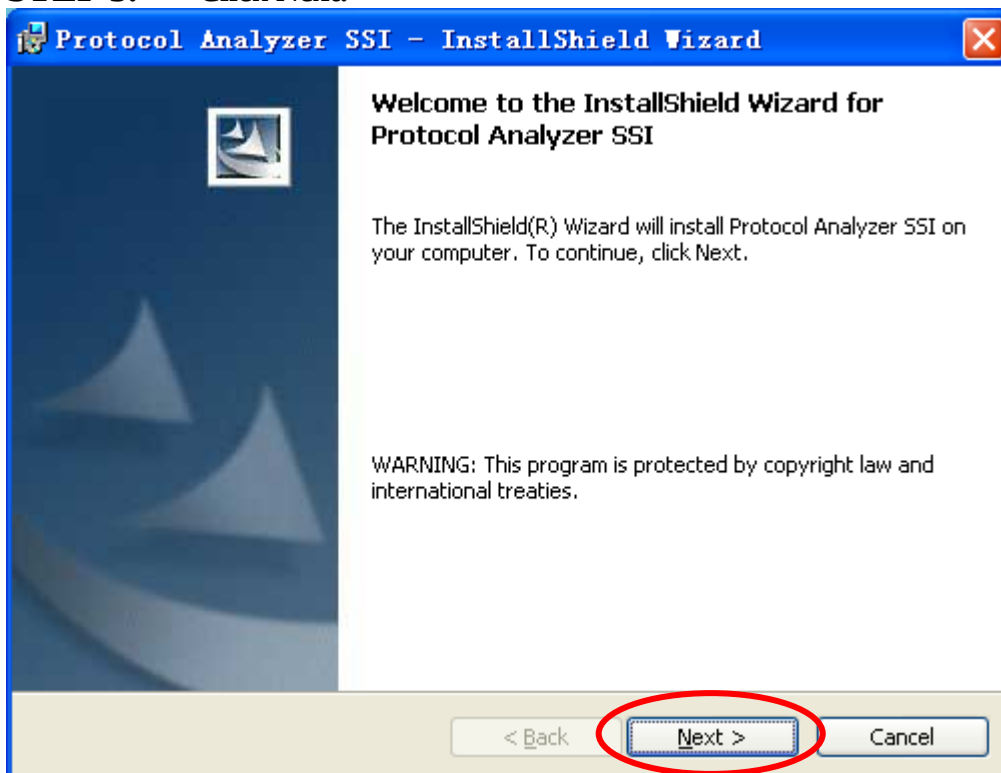


STEP 2. Click **Install**.

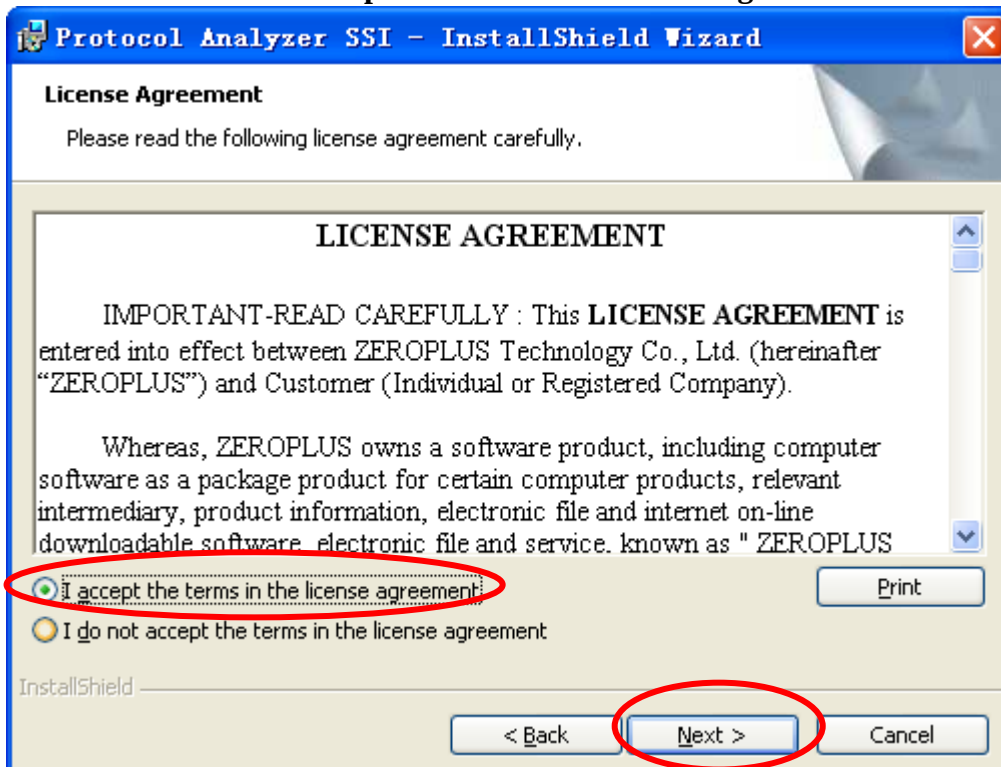




STEP 3. Click **Next**.



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 contains the following fields and options:

- Customer Information**
Please enter your information.
- User Name:** A text box containing "sunshine".
- Organization:** A text box containing "zeroplus".
- Install this application for:**
 - ☒ Anyone who uses this computer (all users)
 - ☐ Only for me (sunshine)
- At the bottom, there are three buttons: "< Back", "Next >" (circled in red), and "Cancel".

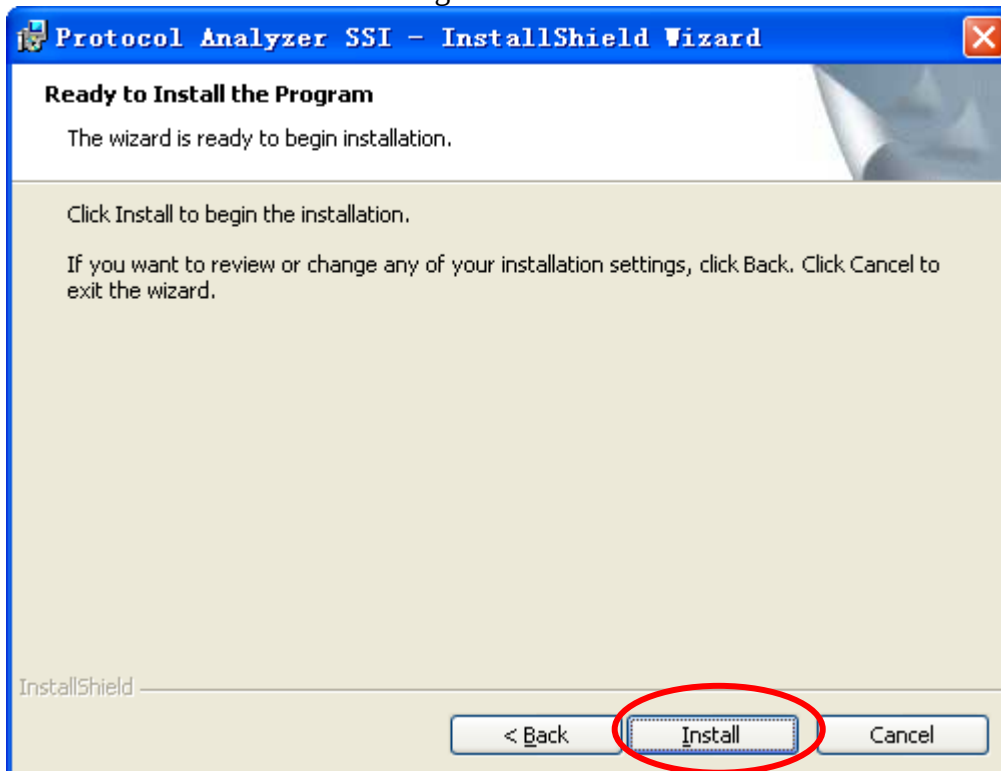
STEP 6. First, select **Complete** and then click **Next**.

The dialog box is titled "Protocol Analyzer SSI - InstallShield Wizard". It contains the following fields and options:

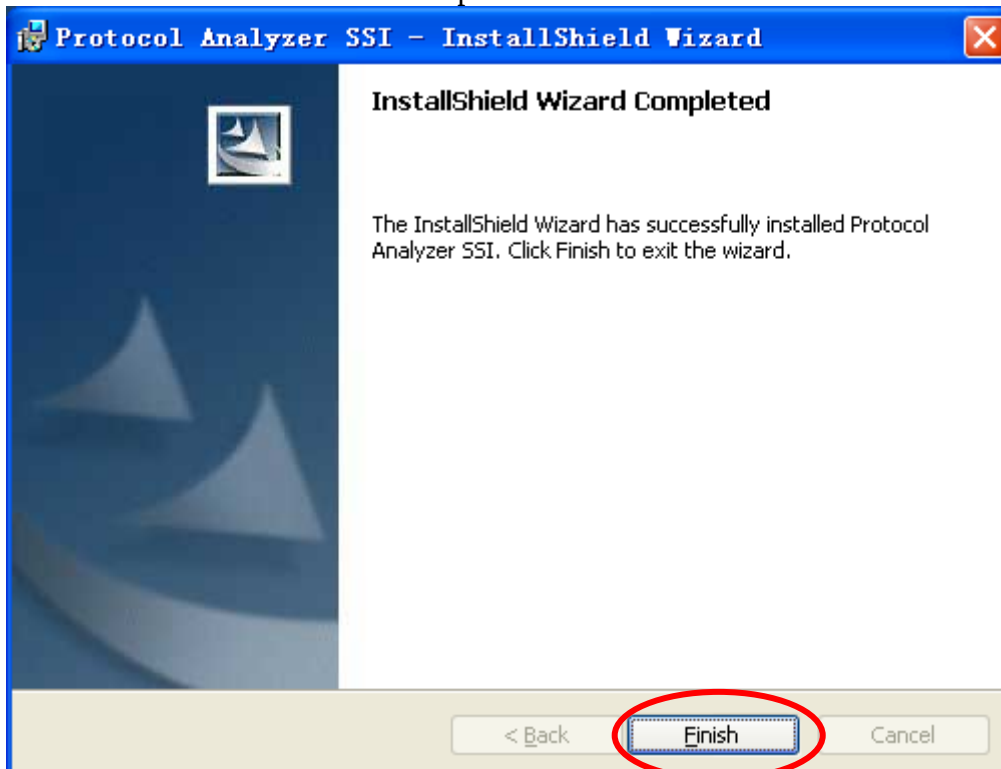
- Setup Type**
Choose the setup type that best suits your needs.
- Please select a setup type.**
- Complete:** ☒ All program features will be installed. (Requires the most disk space.)
- Custom:** ☐ Choose which program features you want installed and where they will be installed. Recommended for advanced users.
- 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.

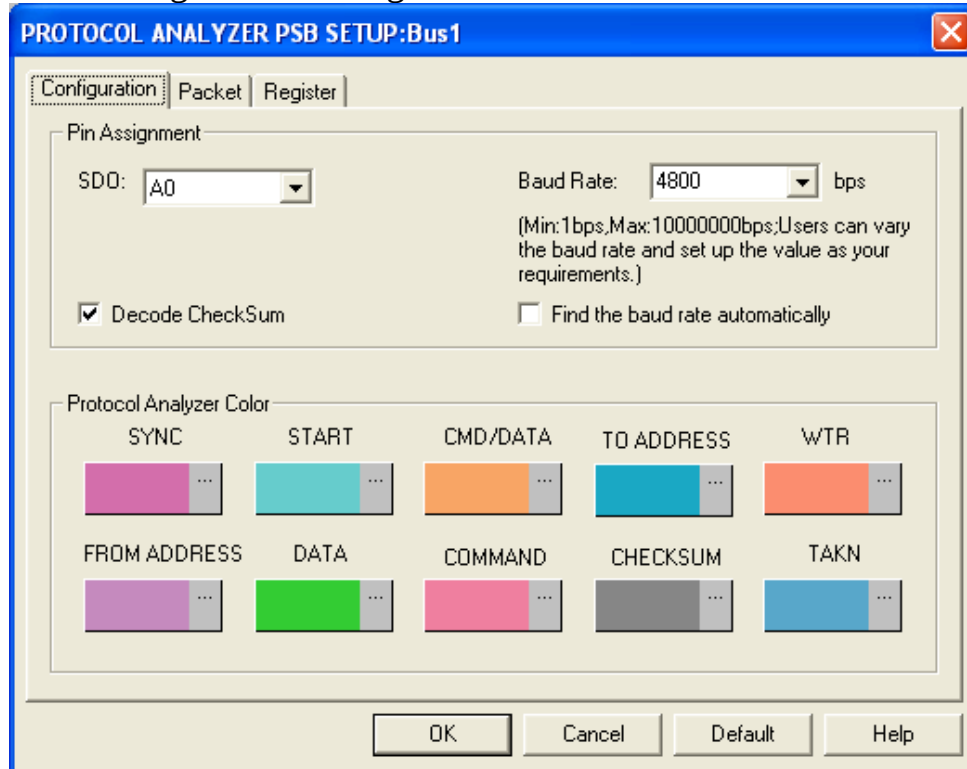




2 User Interface

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

PSB Configuration Dialog Box



Pin Assignment:

SD0: Set the needed channel from the dropdown menu.

Baud Rate: The baud rate can be selected from the dropdown menu or entered within the range of 1bps~10Mbps as users' requirements.

Decode CheckSum: Users can select whether the value of CheckSum is decoded.

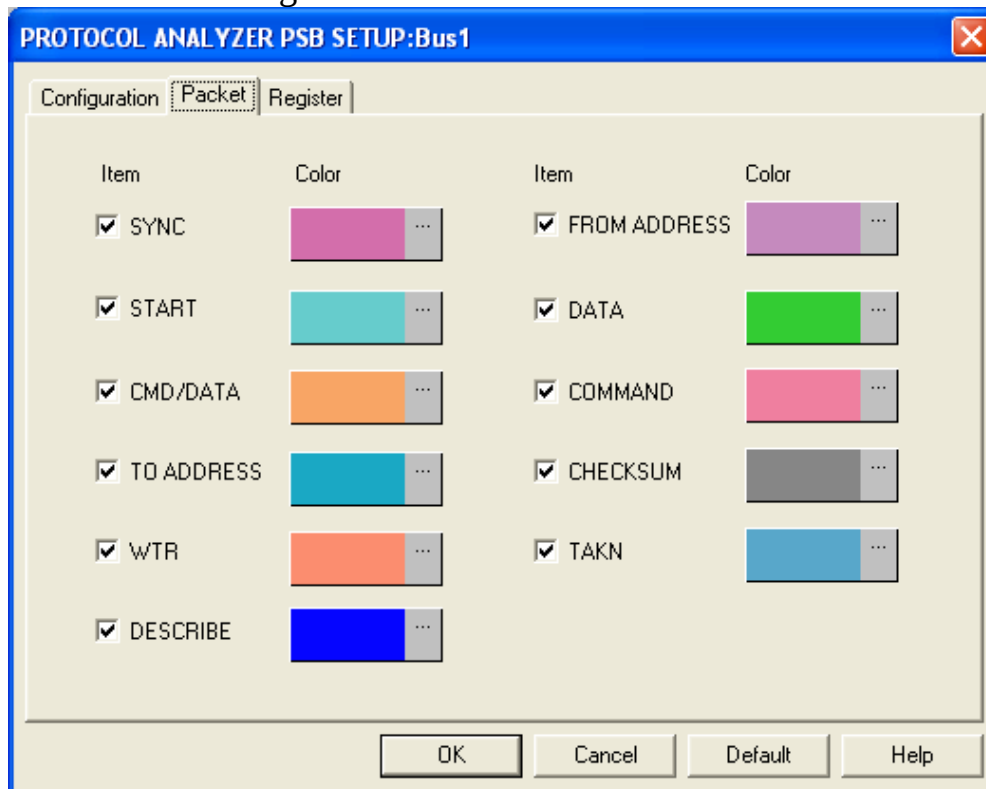
Find the baud rate automatically: When **Find the baud rate** automatically is activated, the baud rate can be found automatically without users setting; and then the value of the baud rate will be displayed on the dialog box..

Protocol Analyzer Color

Users can vary the color of the protocol analyzer as their requirements.

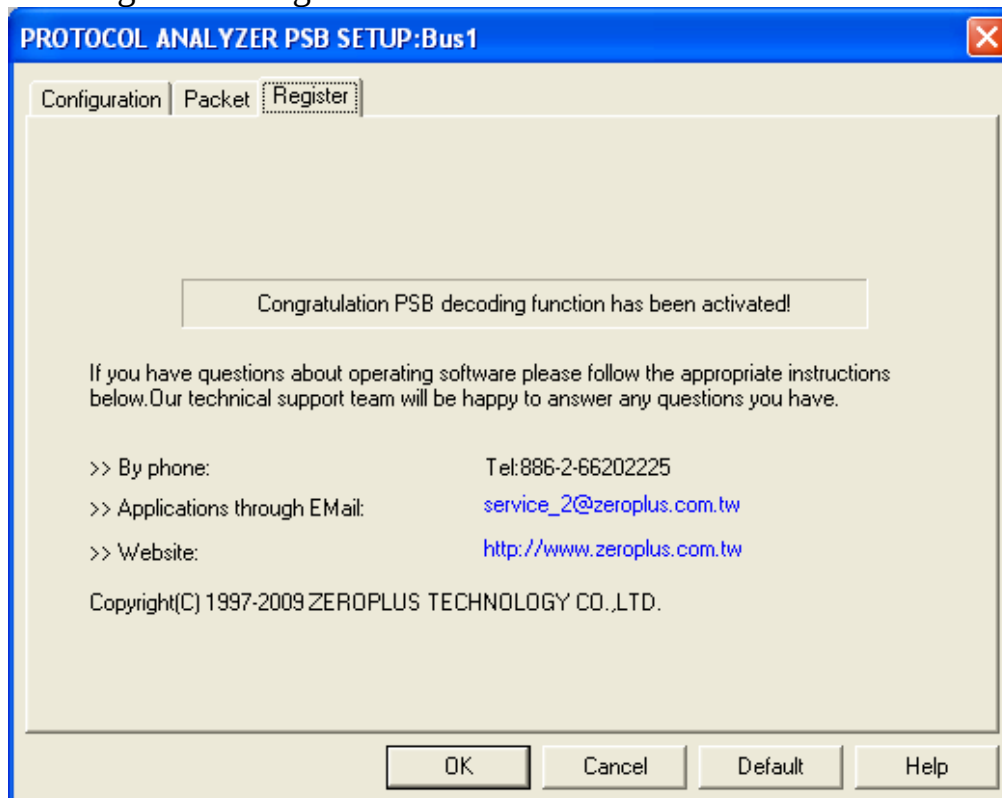


PSB Packet Dialog Box



In the packet part, users can vary the displayed item and the packet color.

PSB Register Dialog Box

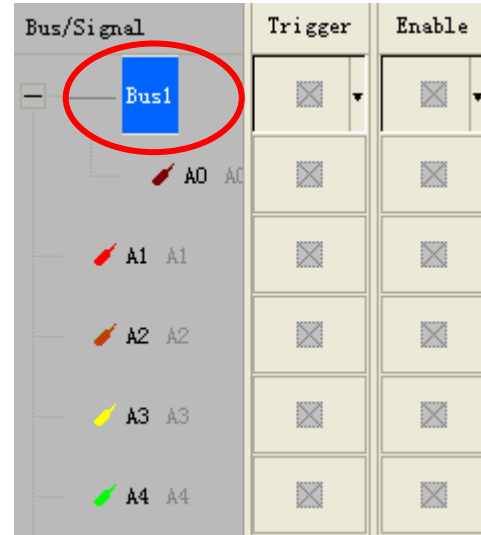
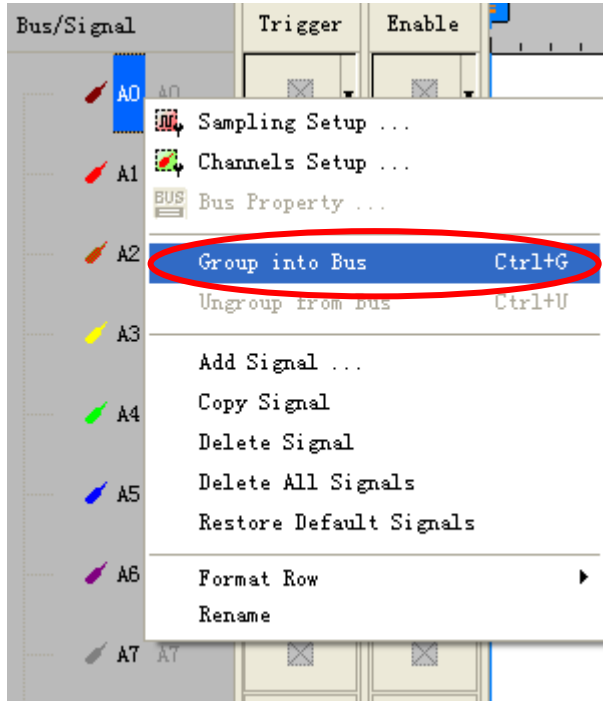


There is ZeroPlus company information. If you have any questions about software operations, you can contact ZeroPlus by Telephone or Email.

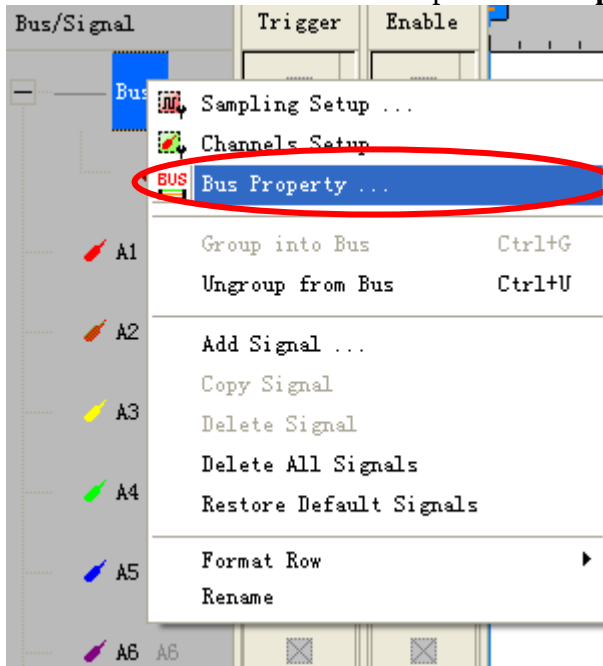


3 Operating Instructions

STEP 1. At first, group the unanalyzed channels into **Bus1** by pressing the **Right Key** on the mouse.

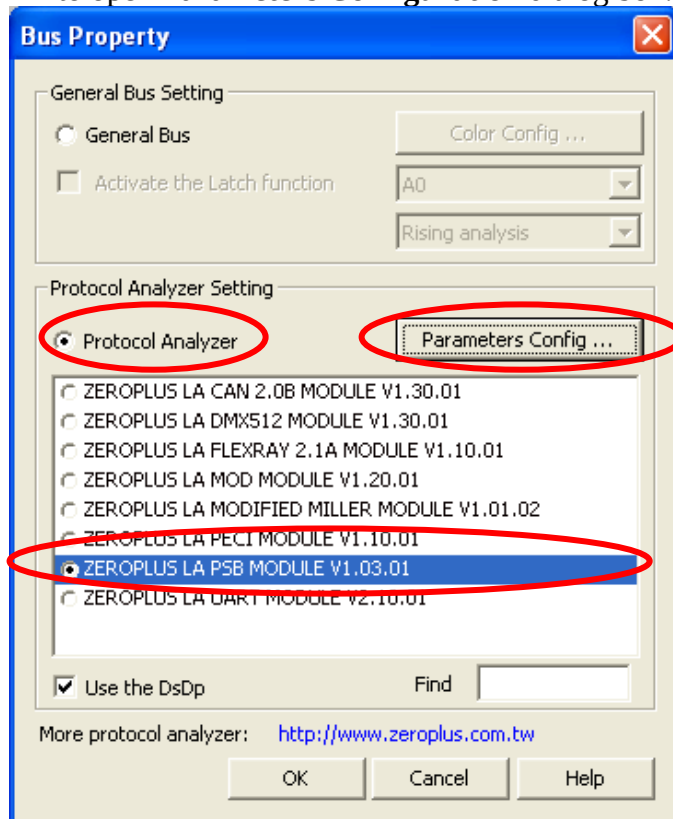


STEP 2. Select **Bus1**, then press **Right key** on the mouse to list menu, then press **Bus Property** or **Bus bar** on the toolbar to open **Bus Property** dialog box.

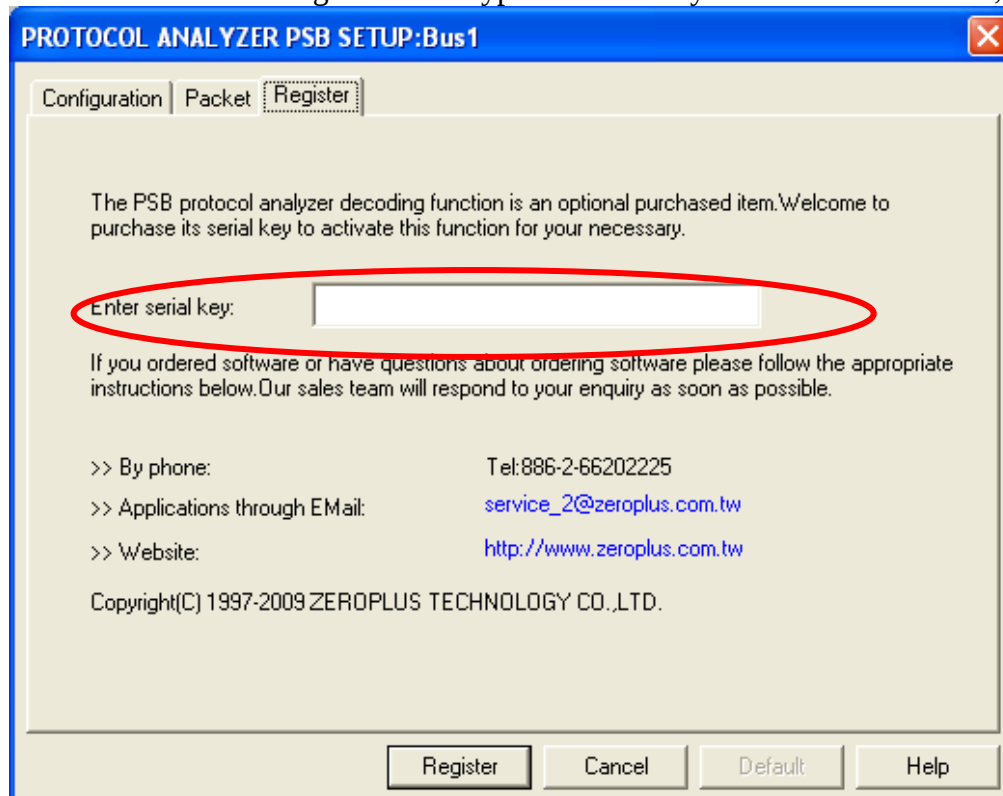




STEP 3. For Protocol Analyzer PSB Parameters Configuration, select Protocol Analyzer, and then choose **ZEROPLUS LA PSB MODULE V1.03.01**, next click **Parameters Configuration** to open **Parameters Configuration** dialog box.

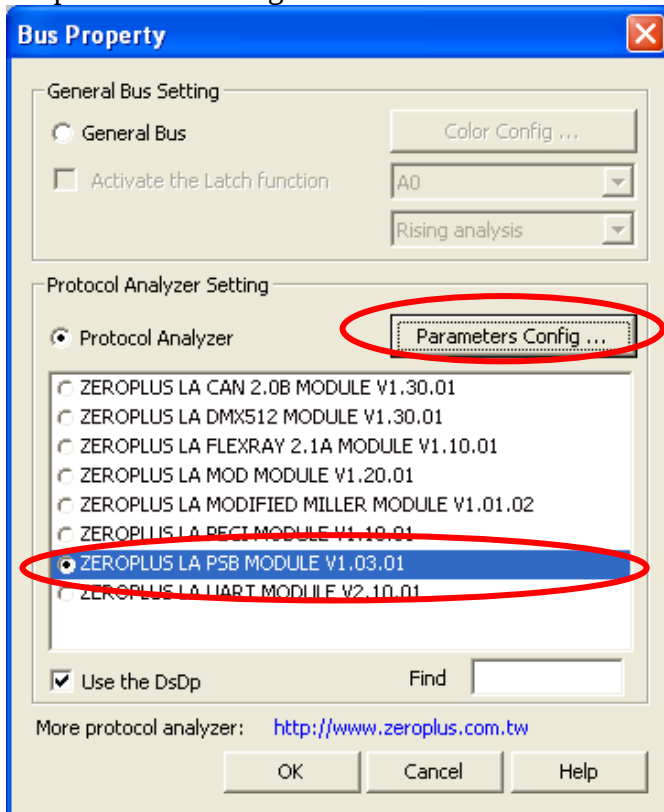


STEP 4. Press Register tab to type the serial key number of **PSB**. Then, press **Register**.

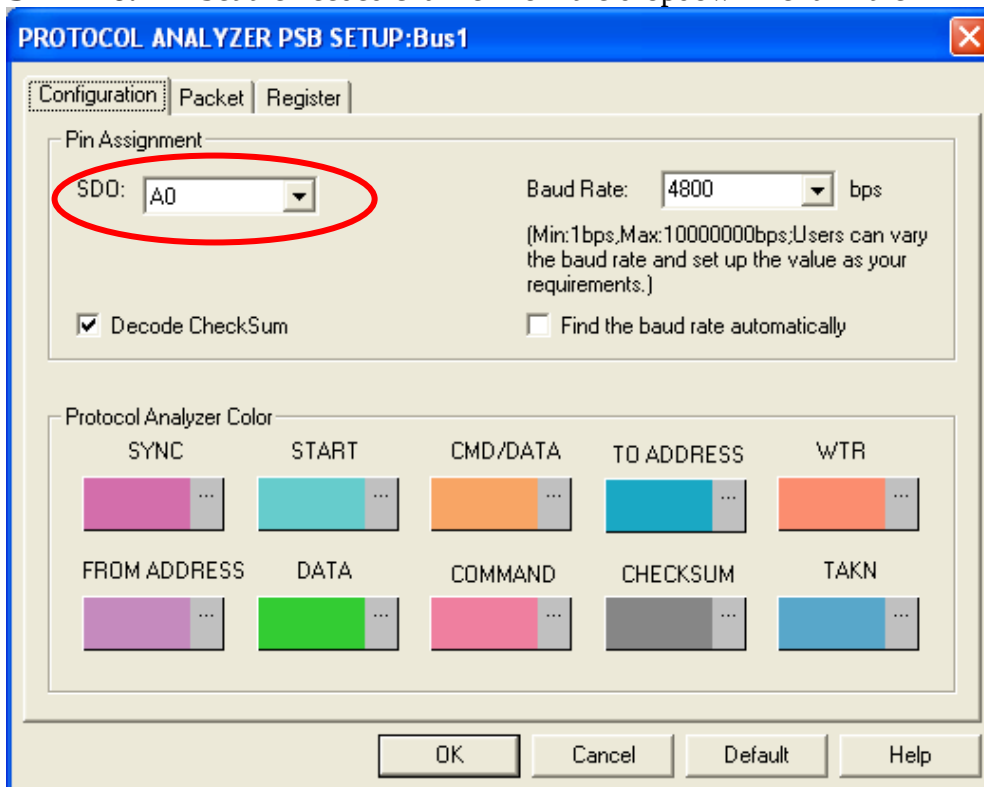




STEP 5. After completing **Register**, come back to the **Bus Property** dialog box, and then click the parameters configuration to start the Protocol Analyzer PSB setup.

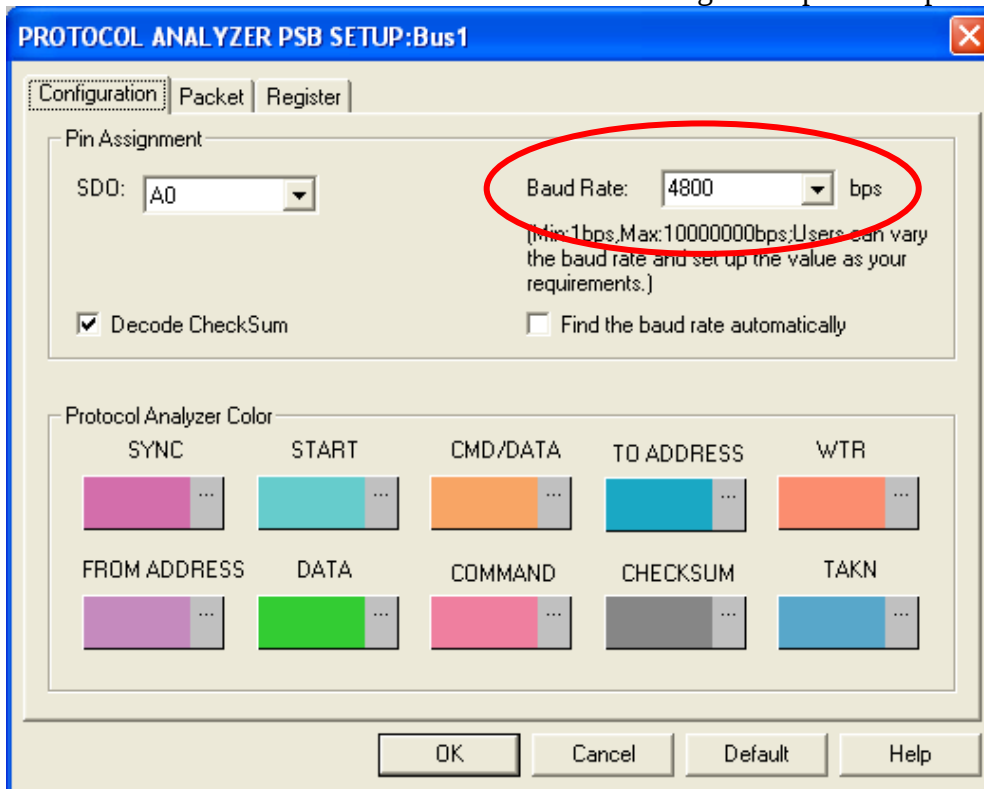


STEP 6. Set the needed channel from the dropdown menu in the Pin Assignment section.

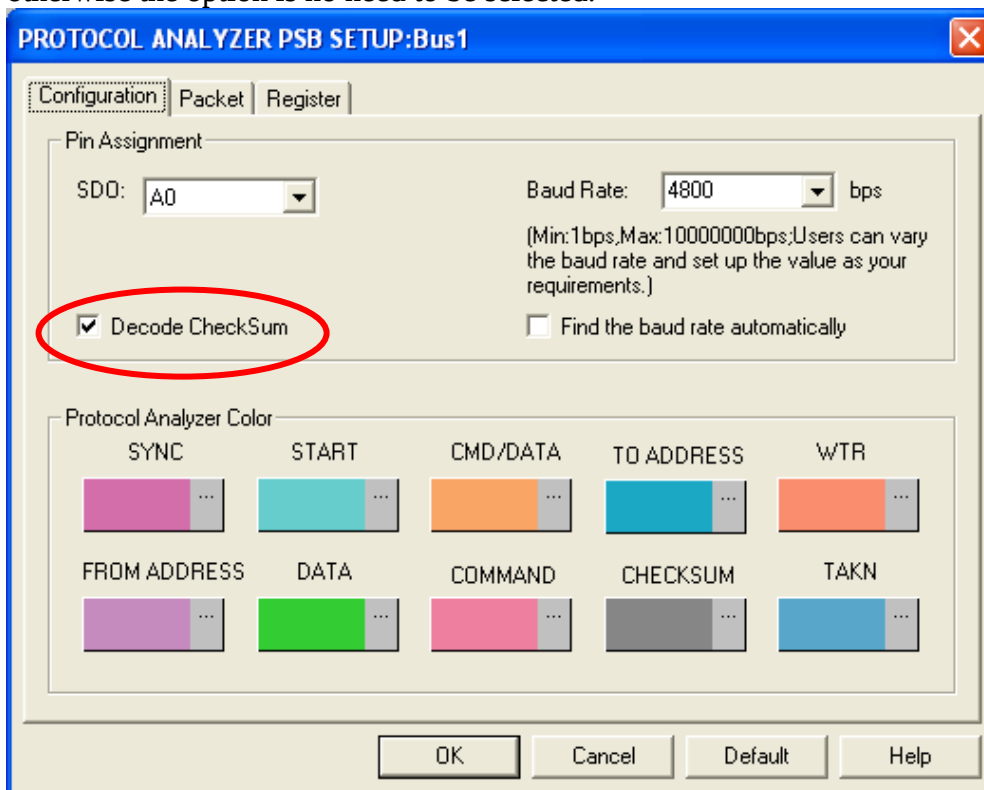




STEP 7. Set the needed baud rate within the range of 1bps~10Mbps.

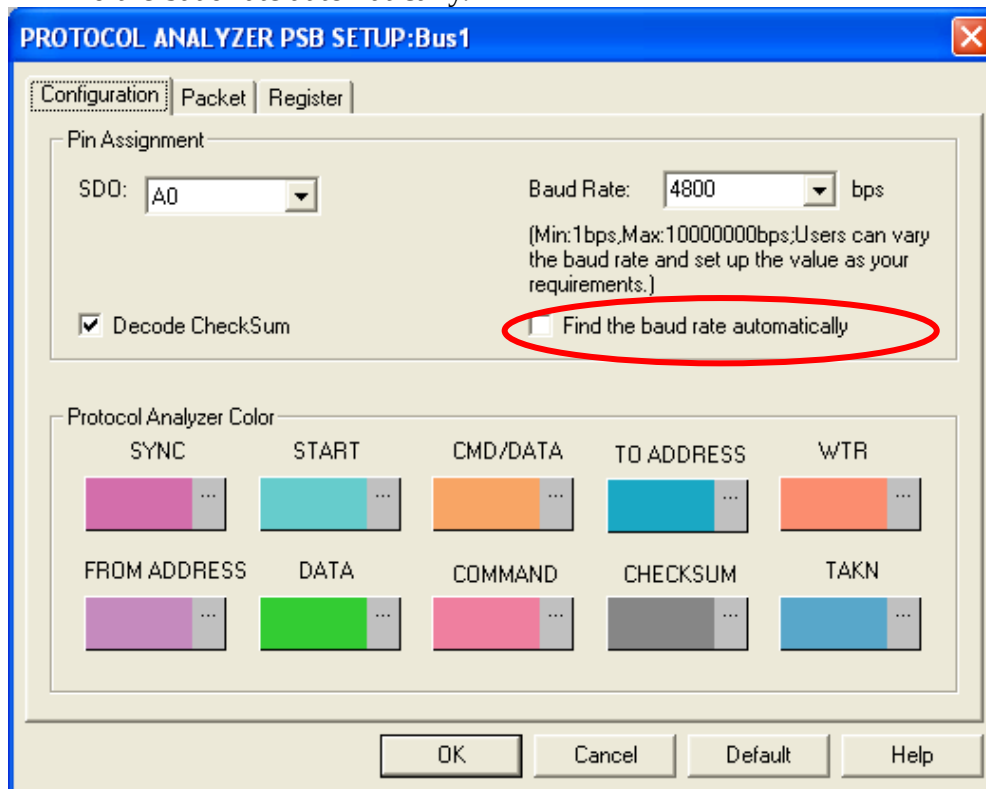


STEP 8. When users need to use CheckSum, they should select the CheckSum option; otherwise the option is no need to be selected.

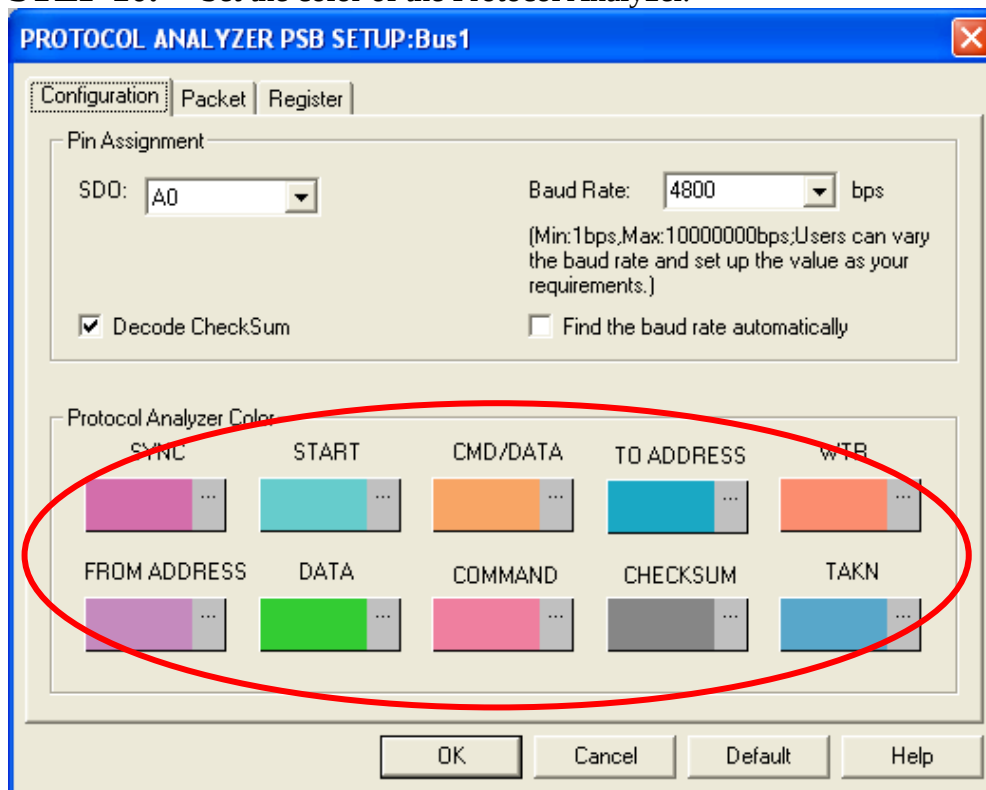




STEP 9. The **Find the baud rate automatically** option should be selected, when users want to find the baud rate automatically.



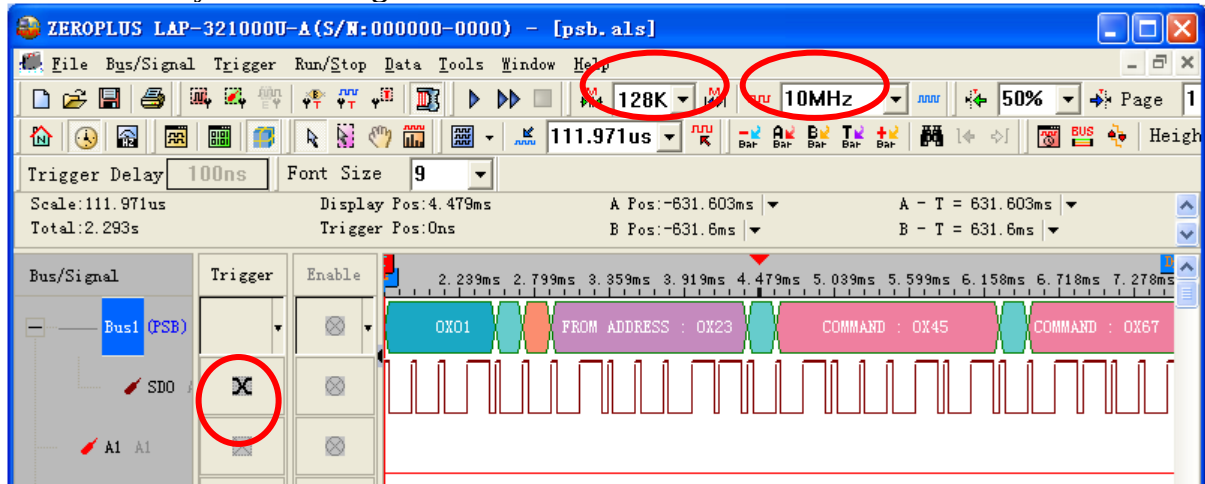
STEP 10. Set the color of the Protocol Analyzer.





STEP 11. Following pictures show the completion of the protocol analyzer decoding and the packet list. The Trigger condition is set as Either Edge; the Memory depth is 128K; the Sampling frequency is 10MHz.

Protocol Analyzer Decoding



Packet List

