



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

# SPECIFICATION

**MODEL: B08006-LAP-PSB Interface-M**

**PART NO :** \_\_\_\_\_

**VERSION :** V1.04

Approver		Check	Design
GM	PM		

Customer Confirm

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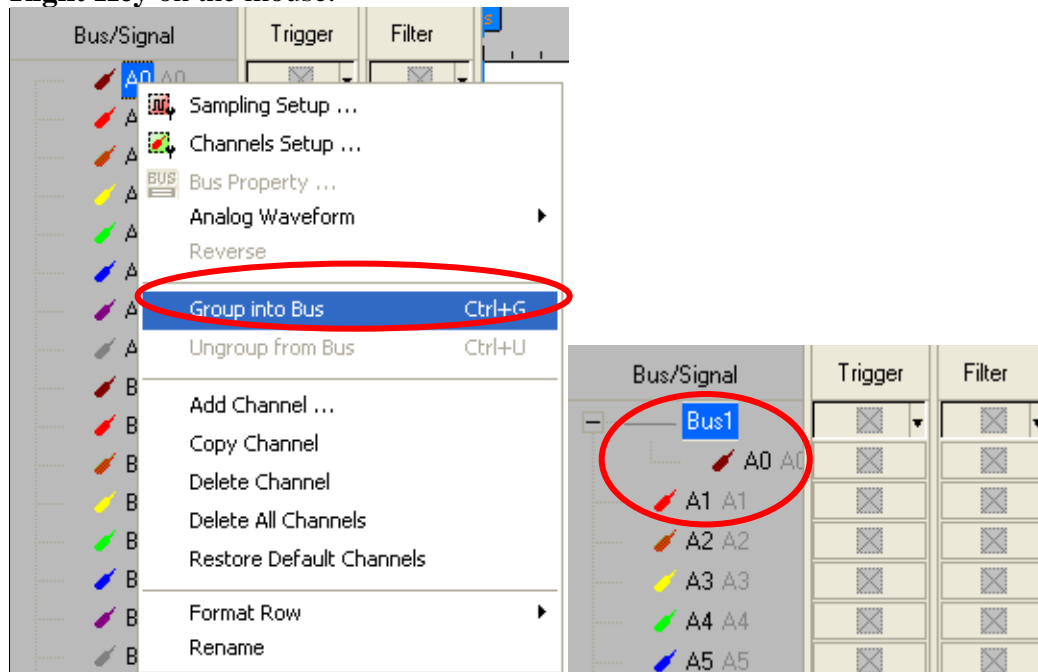
## 1 Software Register

Please register the software as the following steps:

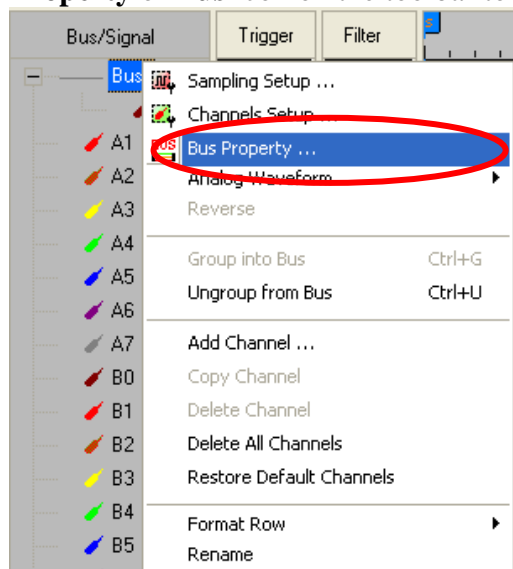
※ Remark1: The registration steps for all protocol analyzers are the same; you can complete the registration by following procedures. Following is an example on how to register the Protocol Analyzer BUS.

※ Remark2: 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.** Open the Logic Analyzer and group the unanalyzed channels into **Bus1** by pressing the **Right Key** on the mouse.

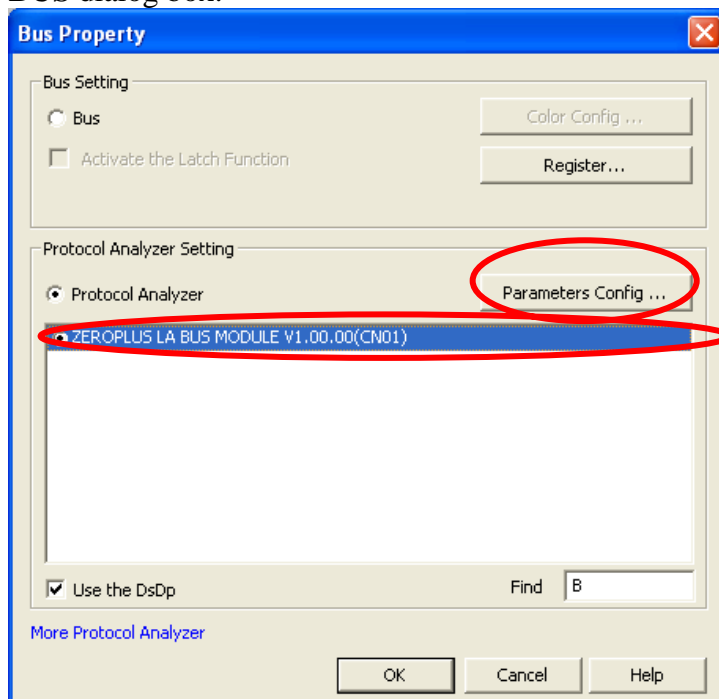


**STEP 2.** Select **Bus1**, and press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus** icon on the toolbar to open **Bus Property** dialog box.

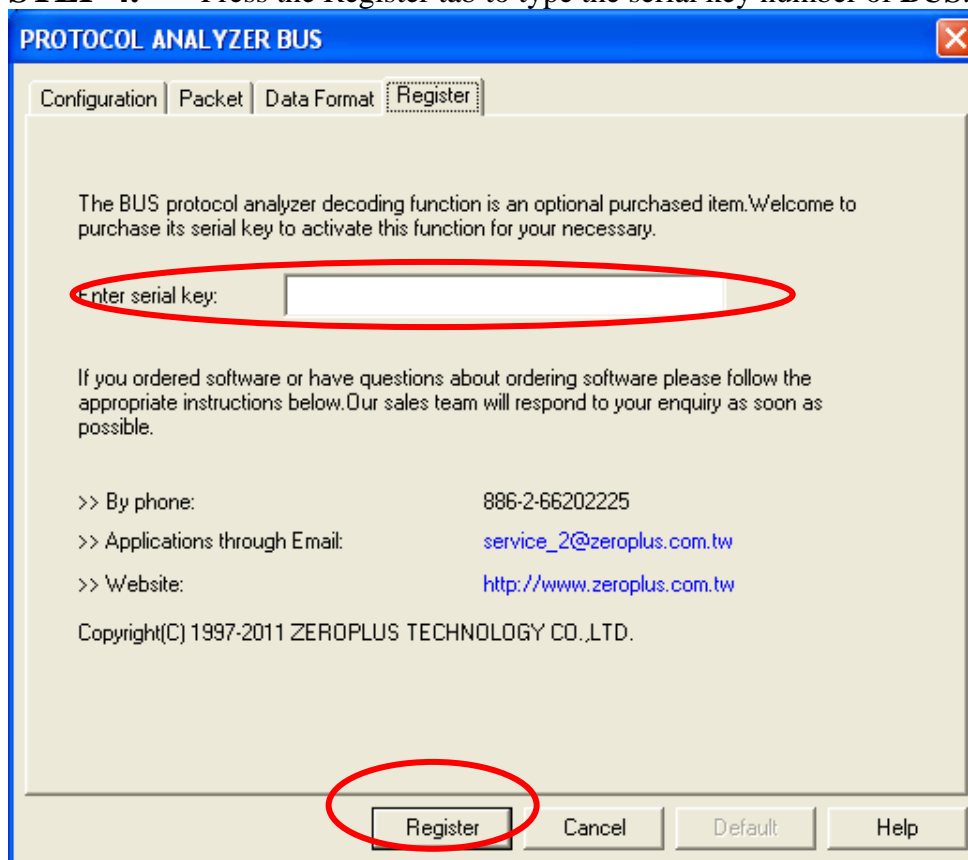




**STEP 3.** Select Protocol Analyzer, and then choose **ZEROPLUS LA BUS MODULE V1.00.00(CN01)**. Next click **Parameters Configuration** to open the **PROTOCOL ANALYZER BUS** dialog box.

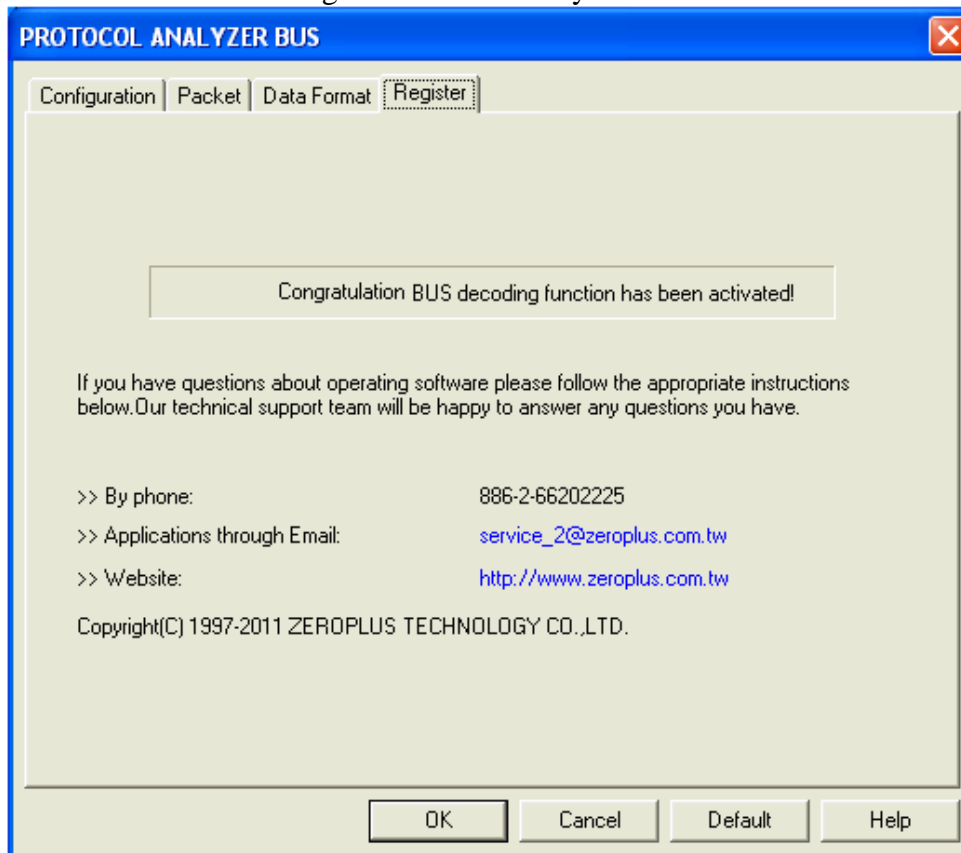


**STEP 4.** Press the Register tab to type the serial key number of BUS. Then, press **Register**.





**STEP 5.** After pressing the Register button, the following dialog box will appear; it denotes that the BUS has been registered successfully.

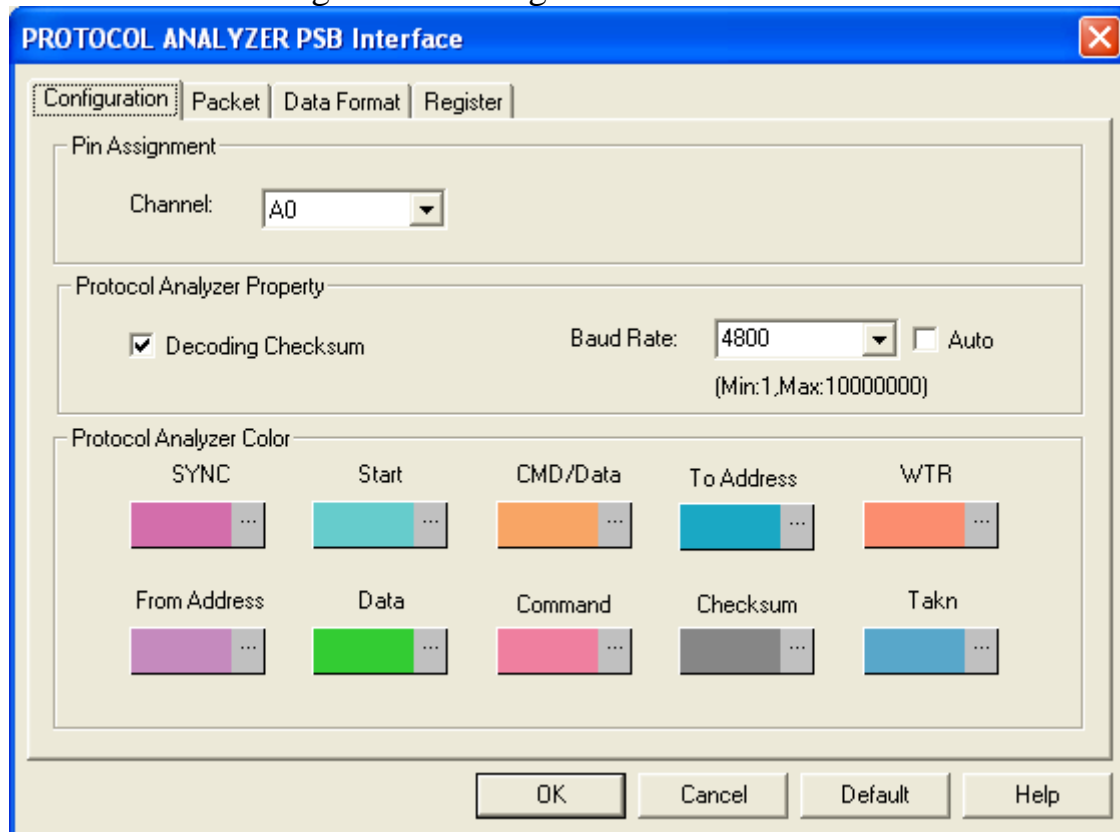




## 2 User Interface

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

### PSB Interface Configuration Dialog Box



#### Pin Assignment:

Set the needed channel from the dropdown menu.

#### Protocol Analyzer Property:

**Decoding Checksum:** Users can select whether the value of Checksum is decoded.

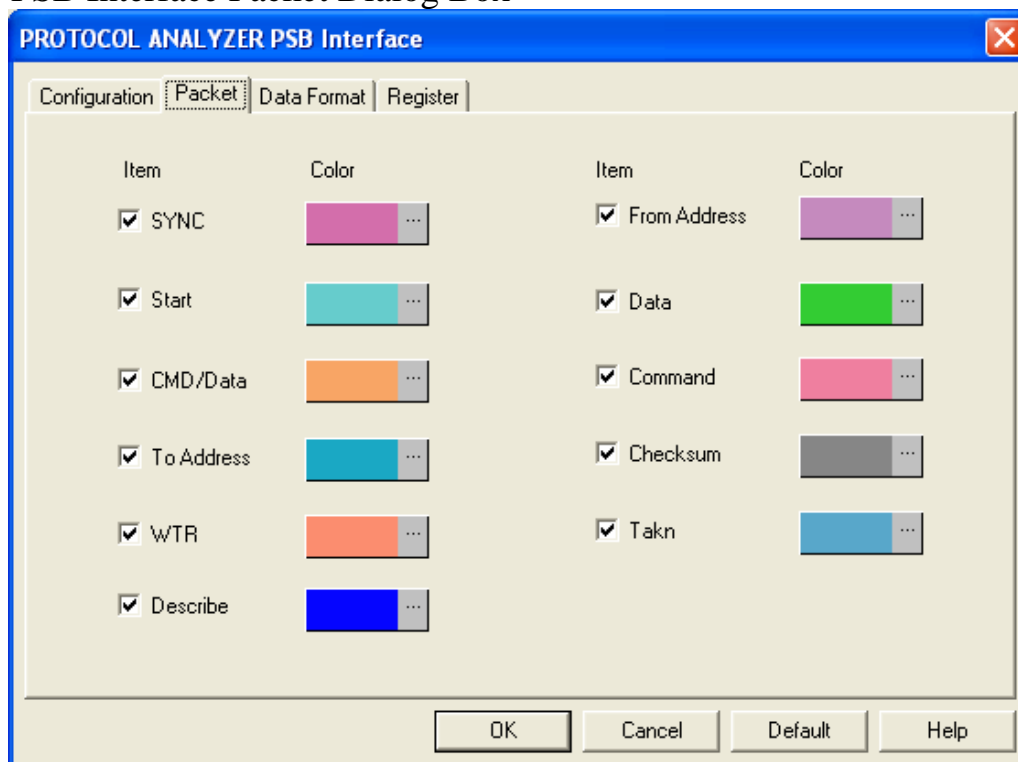
**Baud Rate:** The baud rate can be selected from the dropdown menu or entered within the range of 1bps~10Mbps as users' requirements. When **Auto** automatically is activated, the baud rate can be found automatically without users setting; and then the value of the baud rate will be displayed on the dialog box.

#### Protocol Analyzer Color:

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

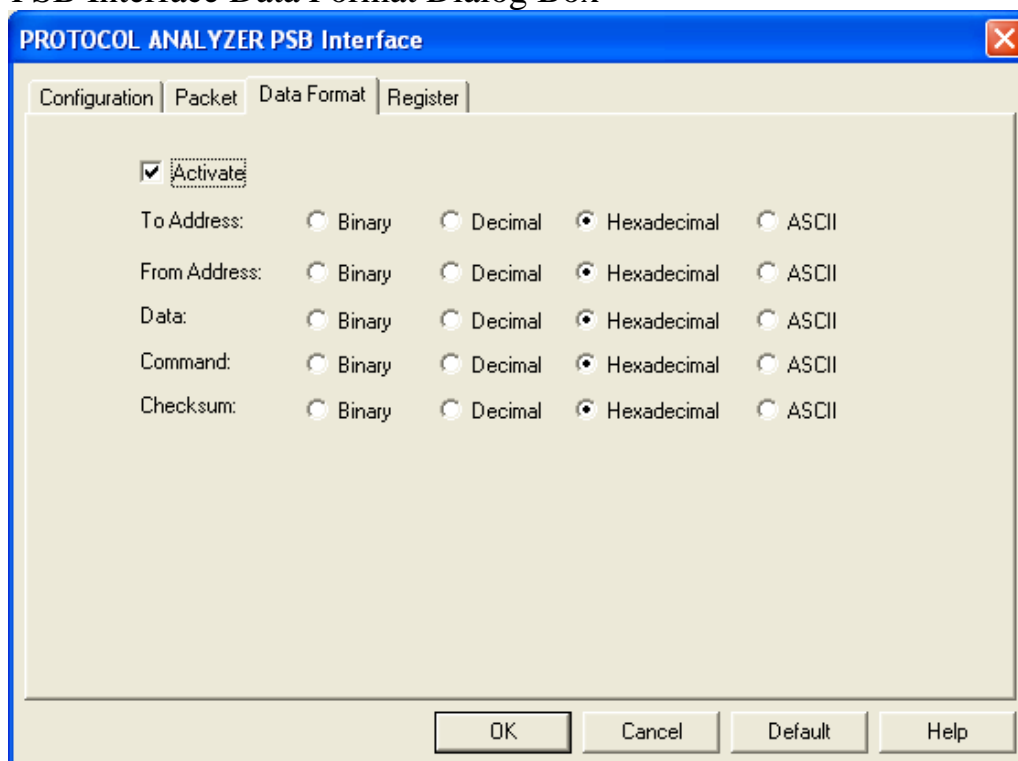


## PSB Interface Packet Dialog Box



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

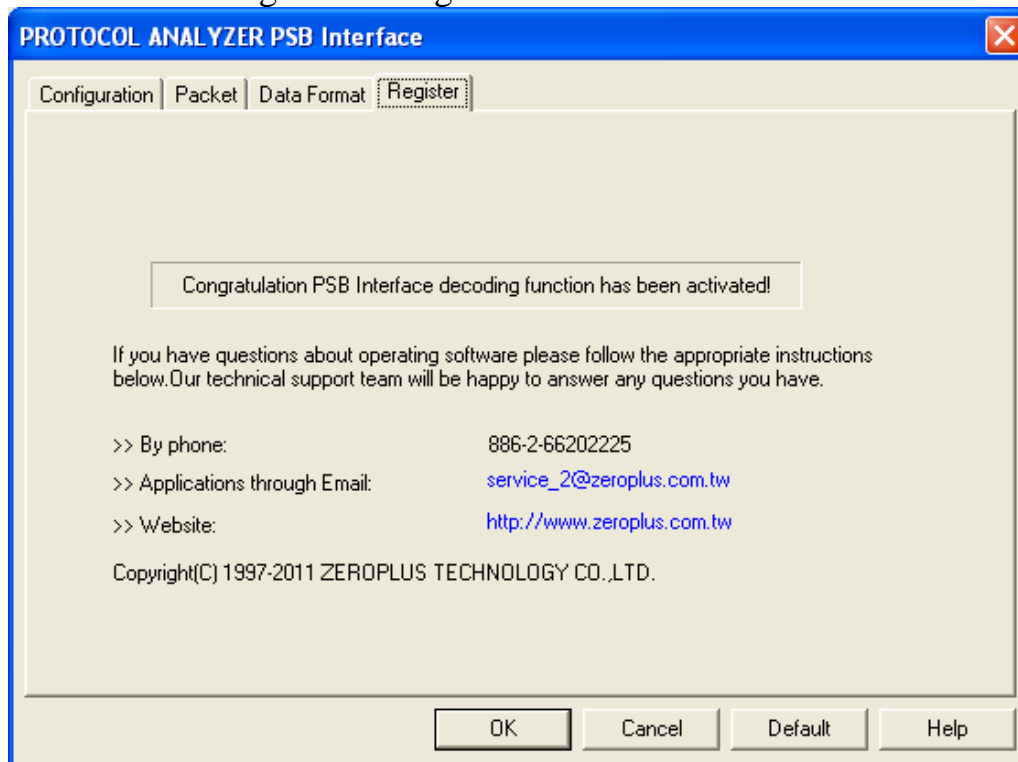
## PSB Interface Data Format Dialog Box



Users can set the Data Format of the To Address, From Address, Data, Command, Checksum as their requirements. When selecting the option, Activate, the data format is decided by the settings in the Protocol Analyzer; when not selecting the option, Activate, the data format is decided by the settings in the main program.



## PSB Interface Register Dialog Box

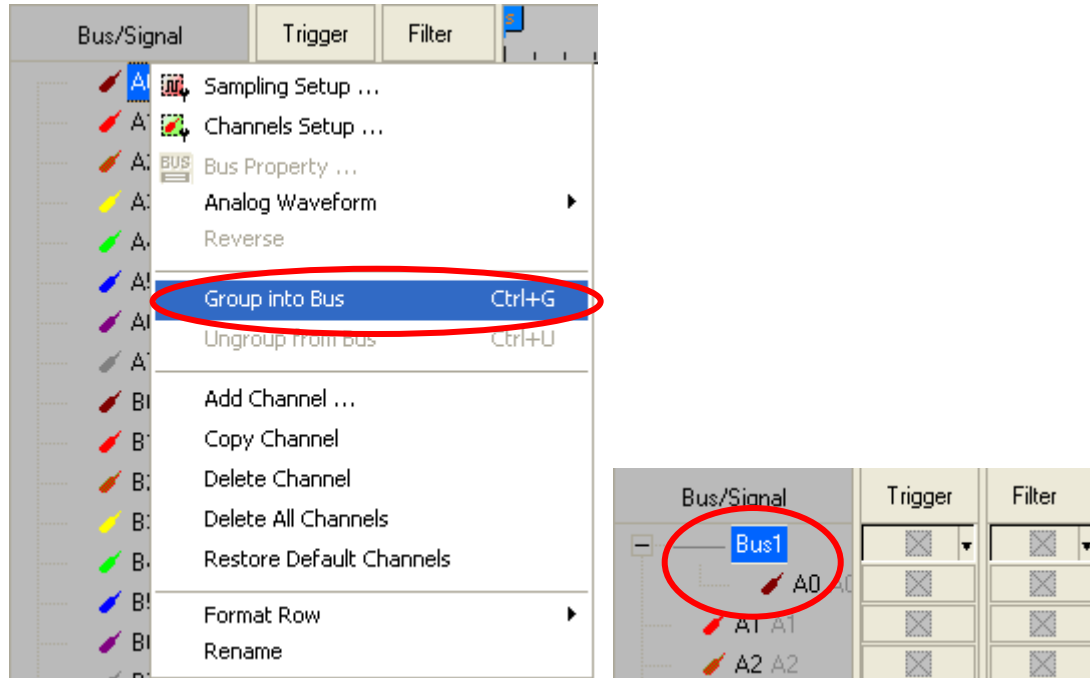


There is ZeroPlus company information. If you have any questions about software operations, you can contact ZeroPlus by Telephone or Email.

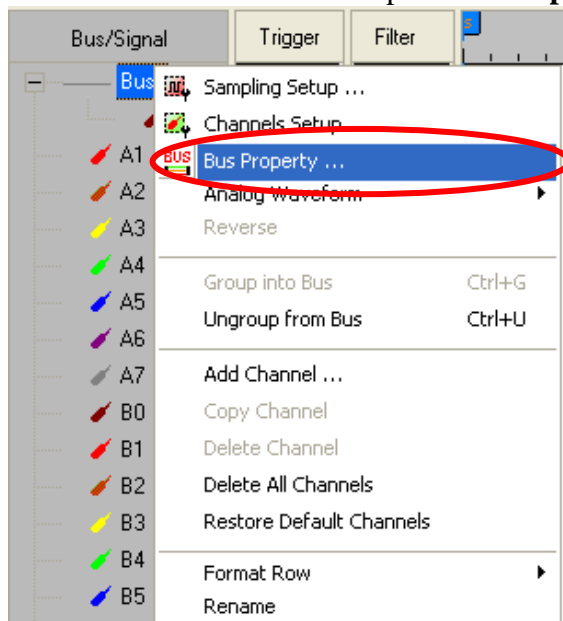


### 3 Operating Instructions

**STEP 1.** Group the A0 channel into **Bus1** by pressing the **Right Key** on the mouse. **PSB Interface** needs one channel to decode signals, so it is necessary to group one channel into a Bus at least.

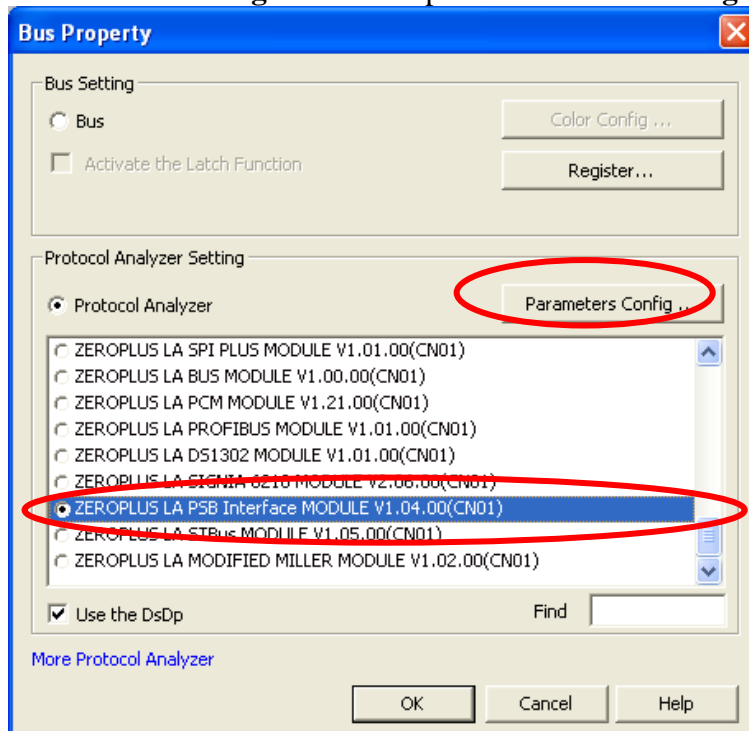


**STEP 2.** Select **Bus1**, then press **Right key** on the mouse to list menu, then press **Bus Property** or **Bus bar** on the toolbar to open **Bus Property** dialog box.

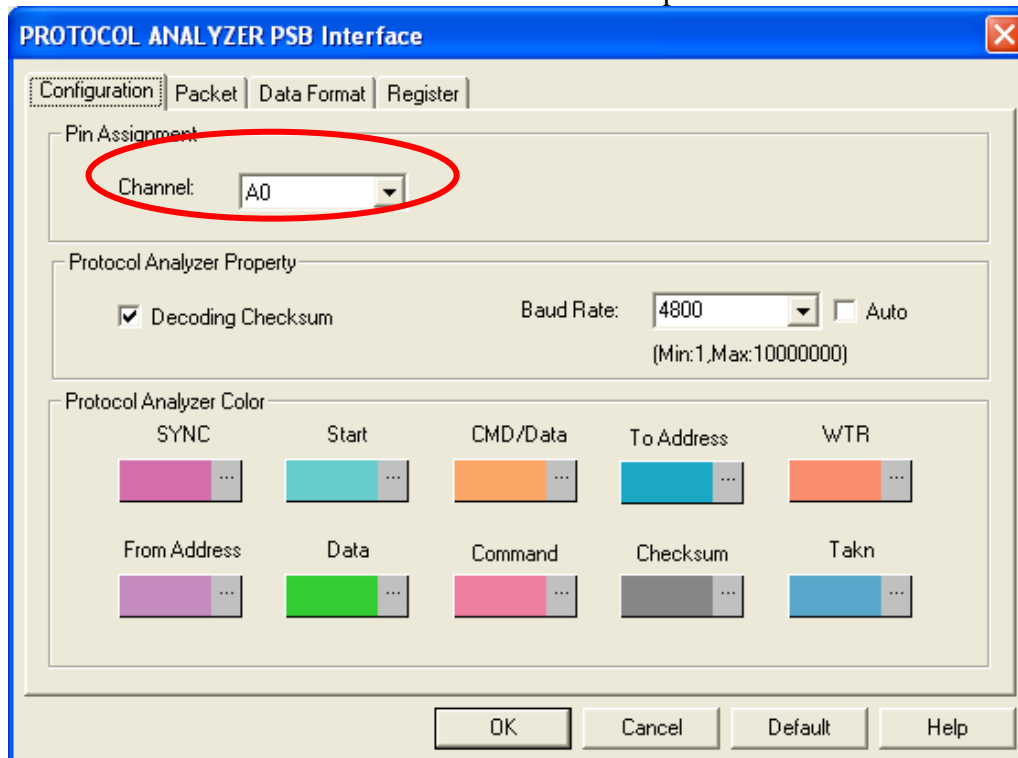




**STEP 3.** For Protocol Analyzer PSB Interface Parameters Configuration, select Protocol Analyzer, and then choose **ZEROPLUS LA PSB Interface MODULE V1.04.00(CN01)**, next click **Parameters Configuration** to open **Parameters Configuration** dialog box.

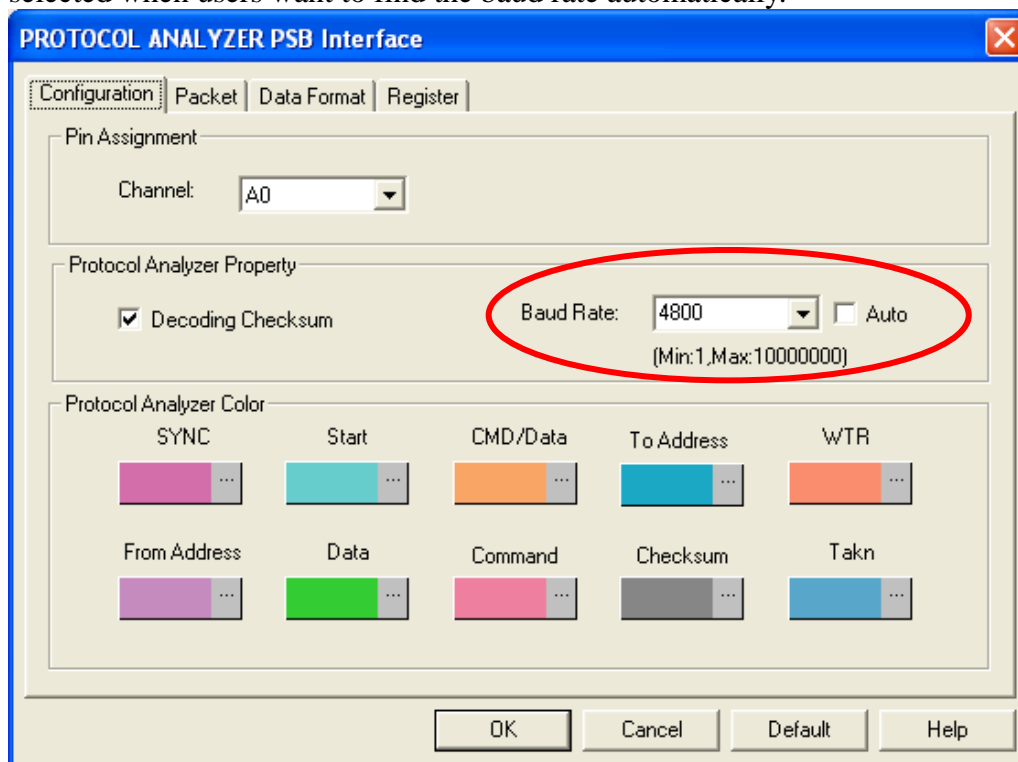


**STEP 4.** Set the needed channel from the dropdown menu in the Pin Assignment.

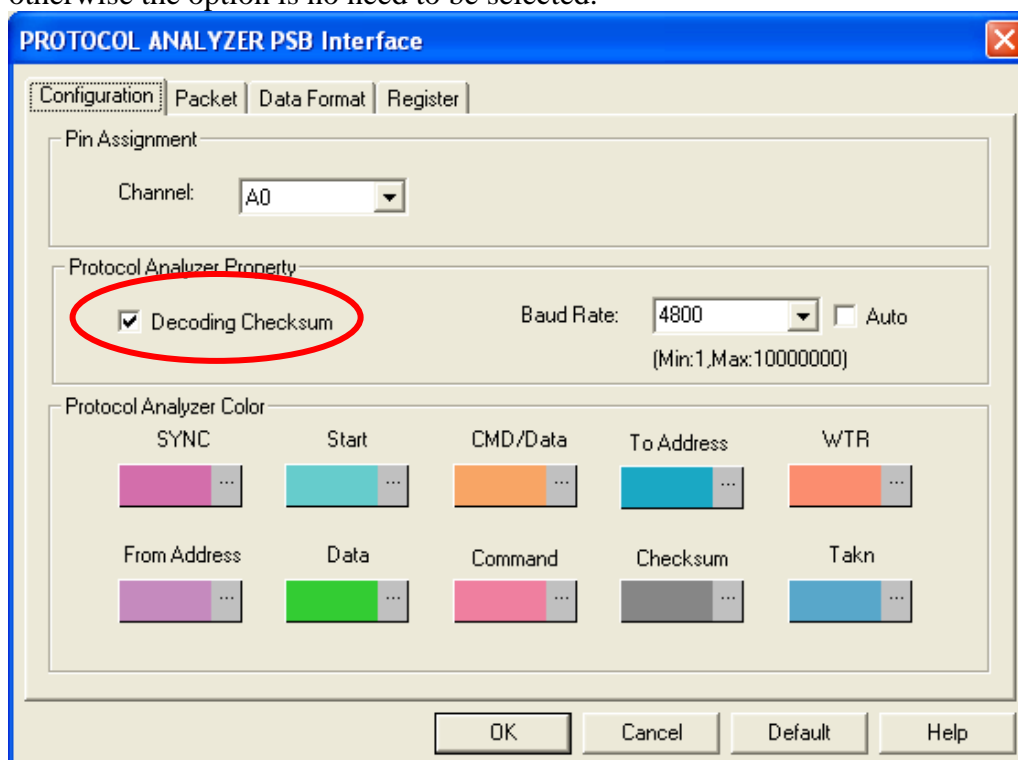




**STEP 5.** Set the needed baud rate within the range of 1bps~10Mbps. The **Auto** option should be selected when users want to find the baud rate automatically.

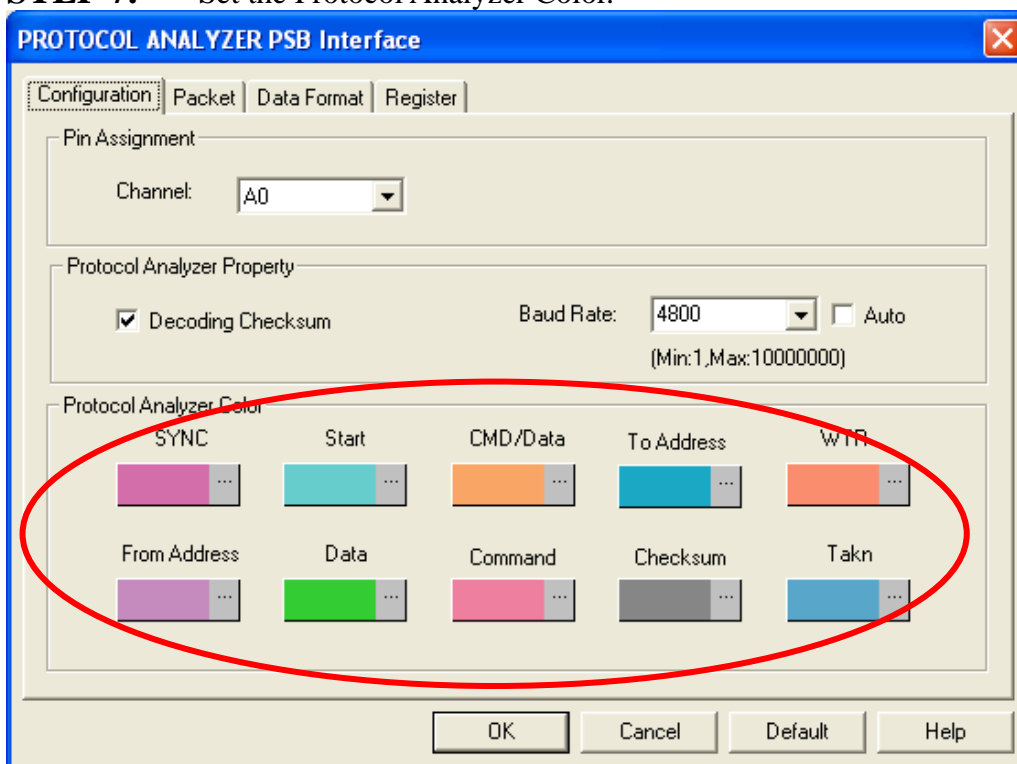


**STEP 6.** When users need to use Checksum, they should select the Decoding Checksum option; otherwise the option is no need to be selected.



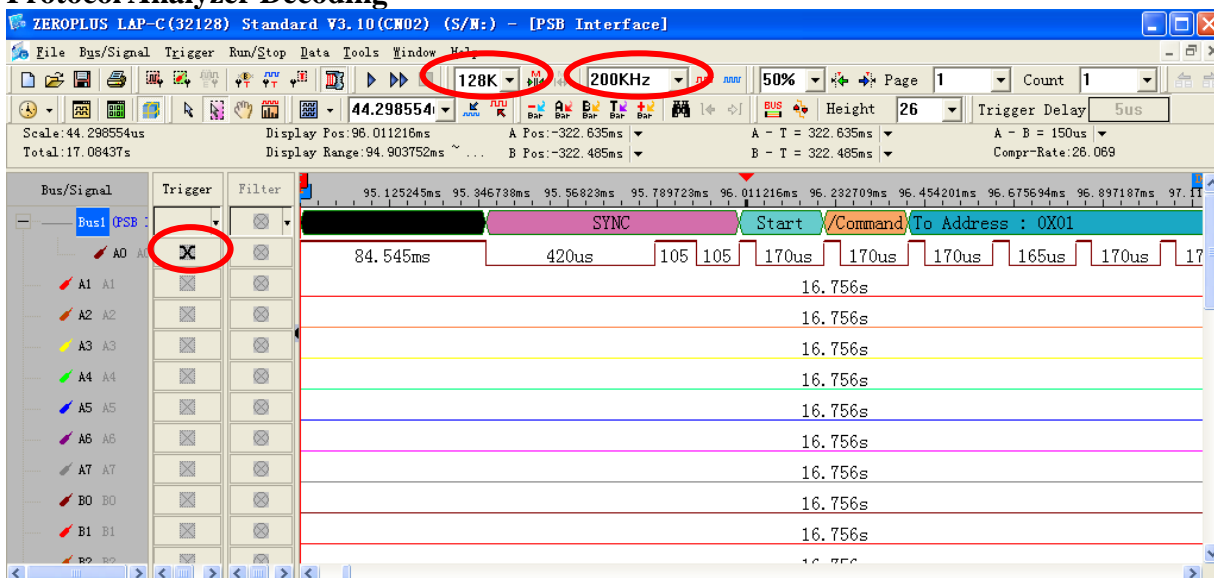


## STEP 7. Set the Protocol Analyzer Color.



**STEP 8.** 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 200KHz (the sampling frequency should be more than eight times higher than the signal to be tested).

## Protocol Analyzer Decoding





## Packet List

