



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

# SPECIFICATION

**MODEL: B09027-LAP-Philips RC-6-M**

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

**VERSION: V1.01**

Approver		Check	Design
GM	PM		

Customer Confirm

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

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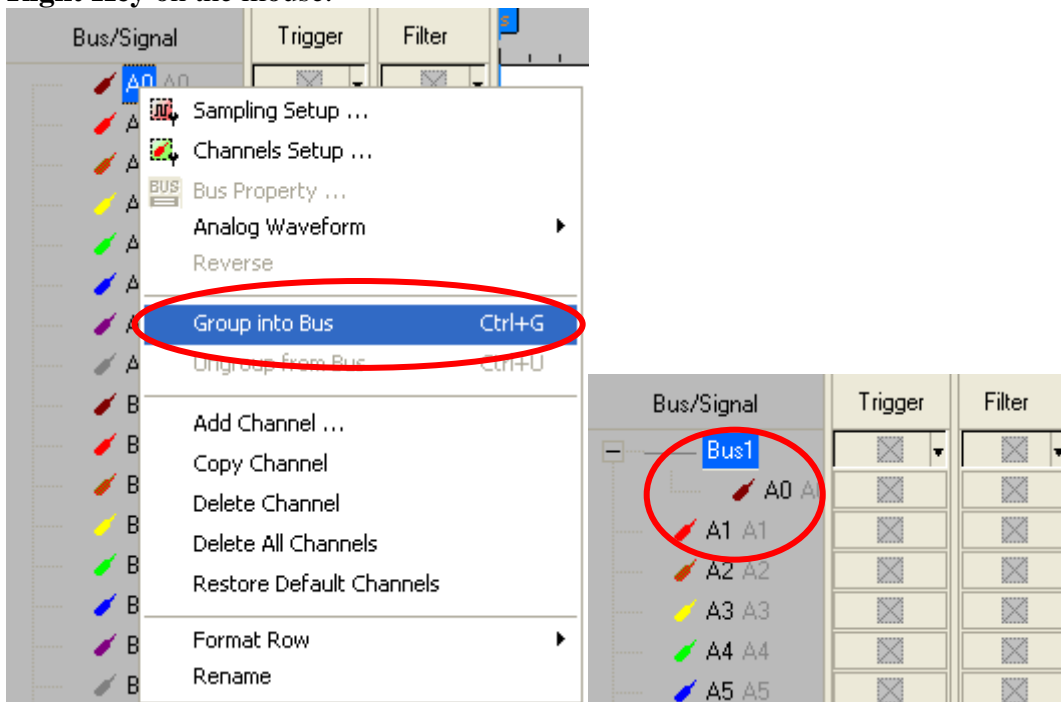
## 1 Software Register

Please register the software as the following steps:

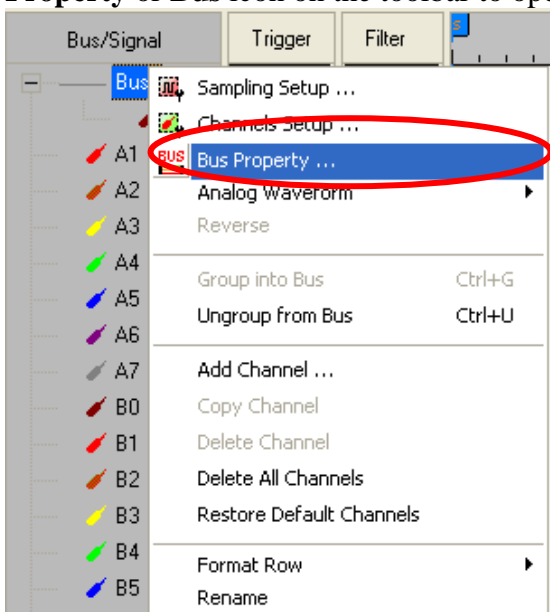
※ Remark1: The registration steps for all protocol analyzers are the same; you can complete the registration by following procedures. Following is an example on how to register the Protocol Analyzer BUS.

※ 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.

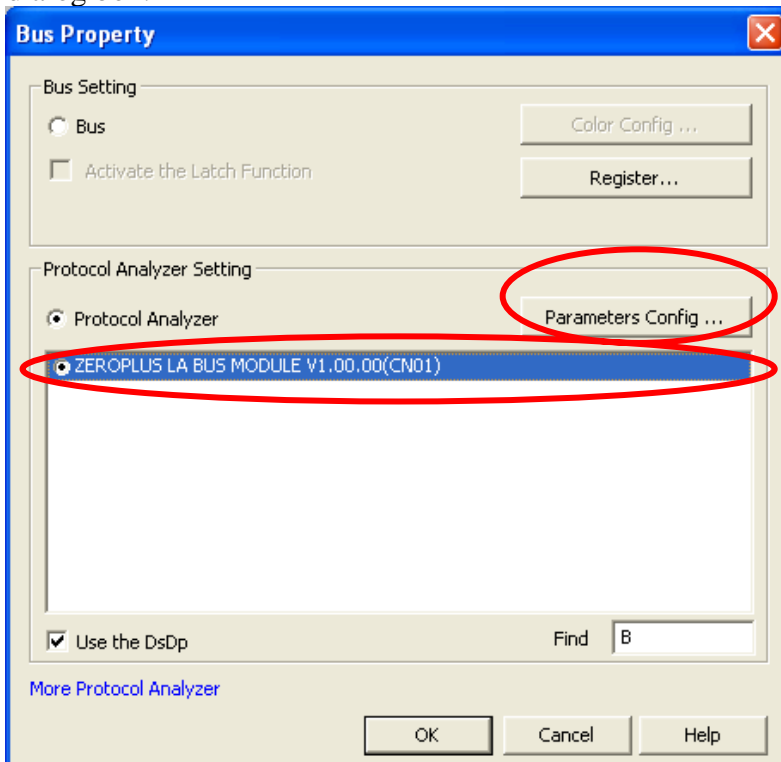


**STEP 2.** Select **Bus1**, then press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus** icon on the toolbar to open **Bus Property** dialog box.

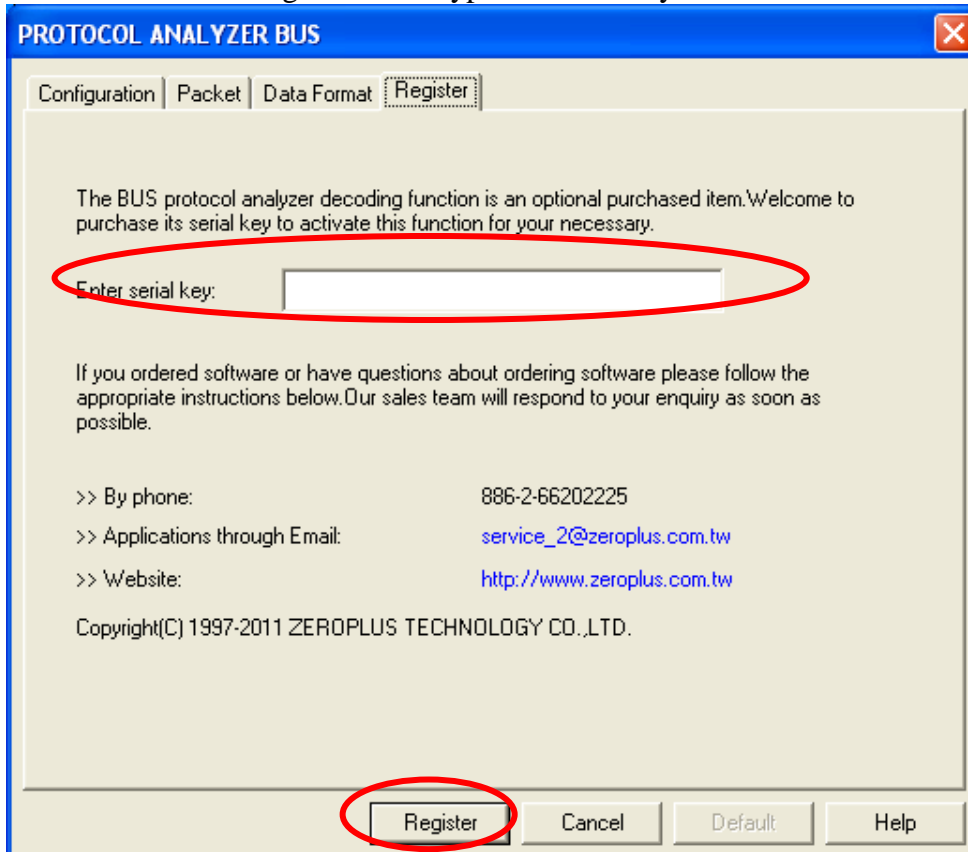




**STEP 3.** Select Protocol Analyzer, and then choose **ZEROPLUS LA BUS MODULE V1.00.00(CN01)**. Next click **Parameters Configuration** to open the **PROTOCOL ANALYZER BUS** dialog box.

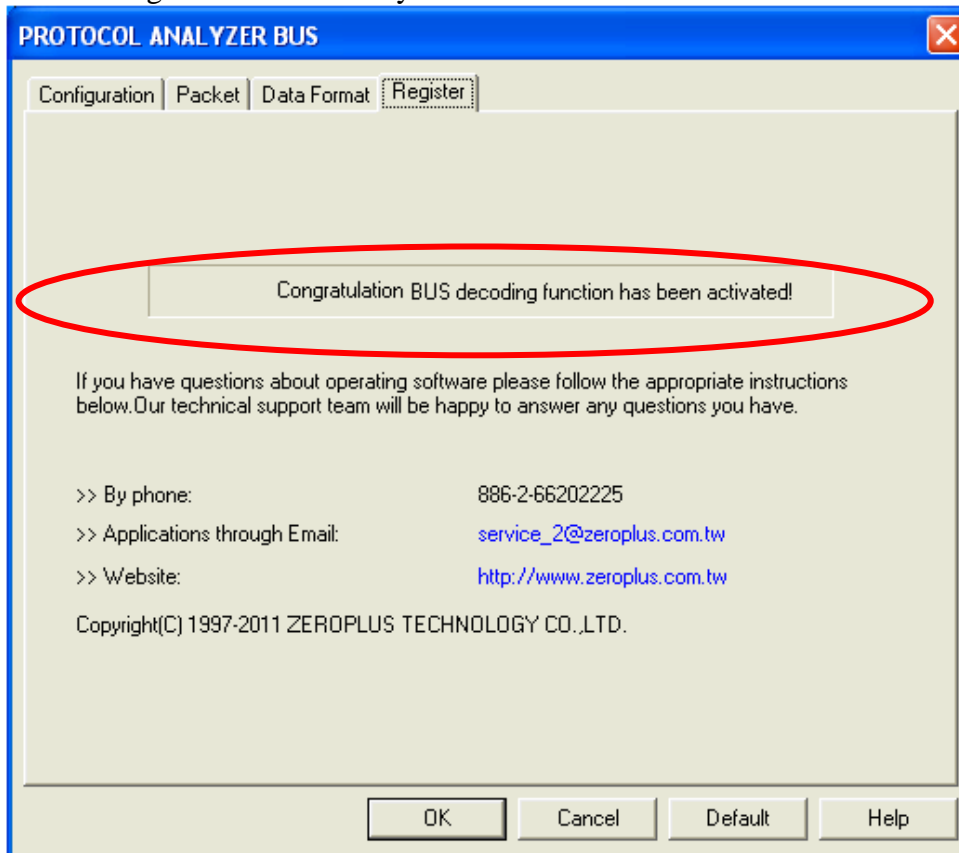


**STEP 4.** Press Register tab to type the serial key number of **BUS**. Then, press **Register**.





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

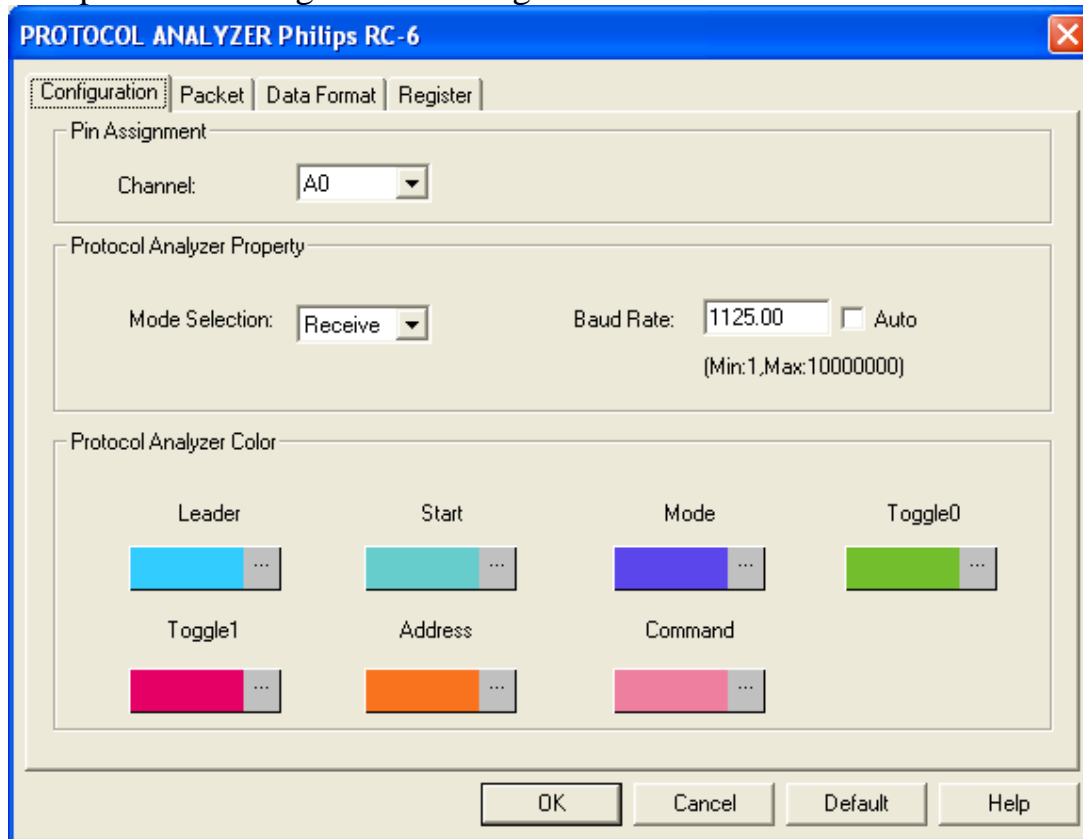




## 2 User Interface

In the configuration, please refer to the below images to select options of setting Philips RC-6 module.

### Philips RC-6 Configuration Dialog Box



**Pin Assignment:** It only needs one data channel to set the Protocol Analyzer.

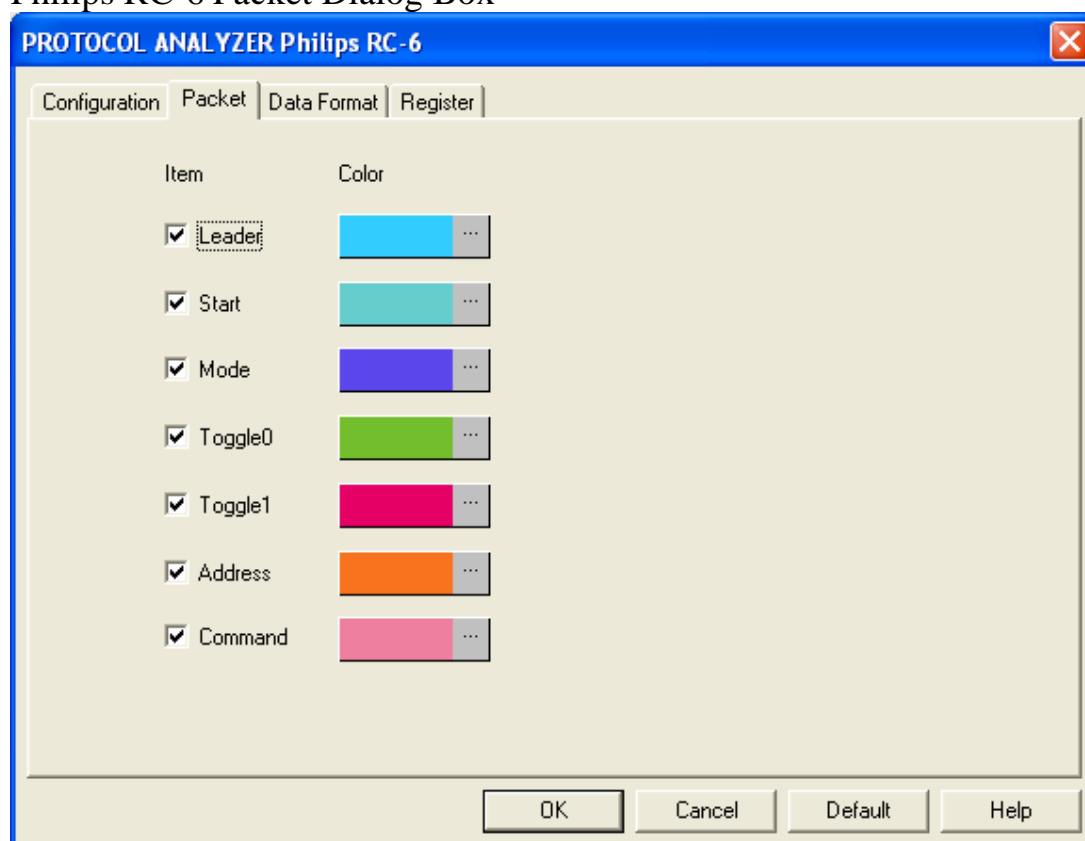
**Mode Selection:** There are two decoding modes to be selected, Receive and Transmit. The default is Receive, which is widely used.

**Baud Rate:** The default setting of Baud Rate is 1125.00, which is the usual transmission speed. And the inputted value is from 1bps to 10Mbps. When the **Auto** is selected, the Baud Rate can be calculated automatically and the calculated value can be displayed.

**Protocol Analyzer Color:** Set the displayed color for every packet in the Protocol Analyzer.

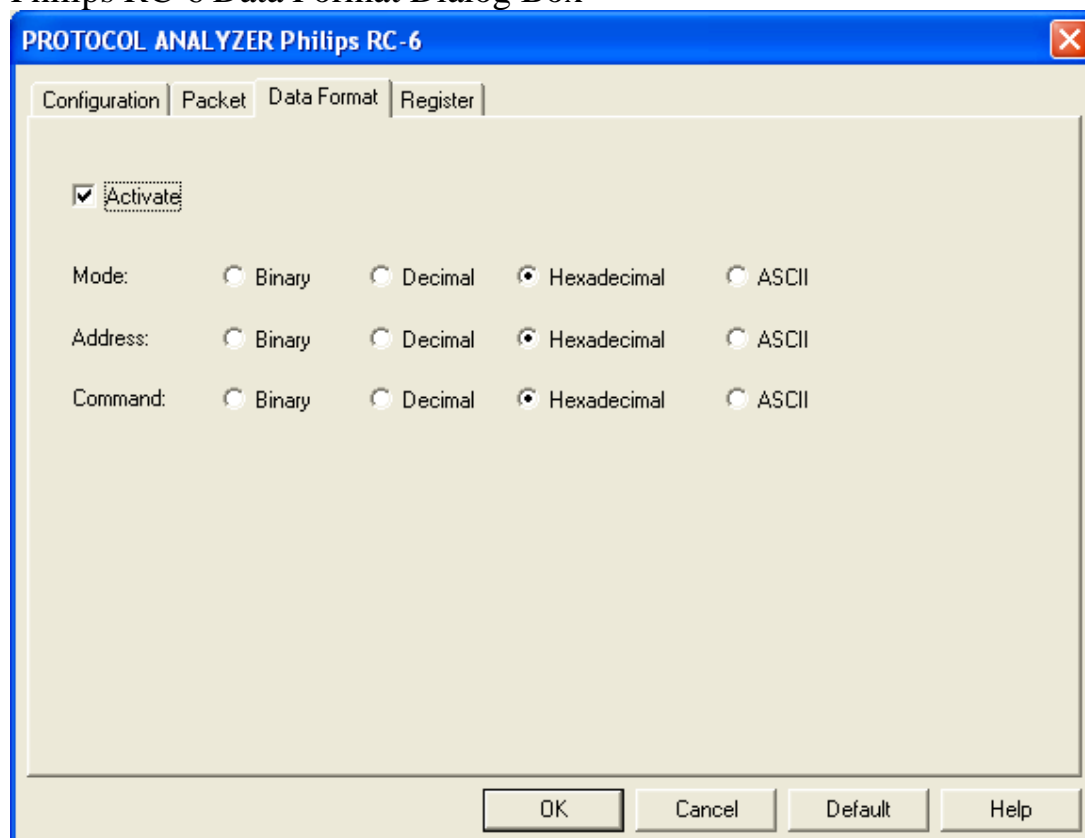


## Philips RC-6 Packet Dialog Box



In the Packet part, users can set the items and colors as users' requirements.

## Philips RC-6 Data Format Dialog Box



Users can set the Data Format of the Mode, Address and Command 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.

### Philips RC-6 Register Dialog Box



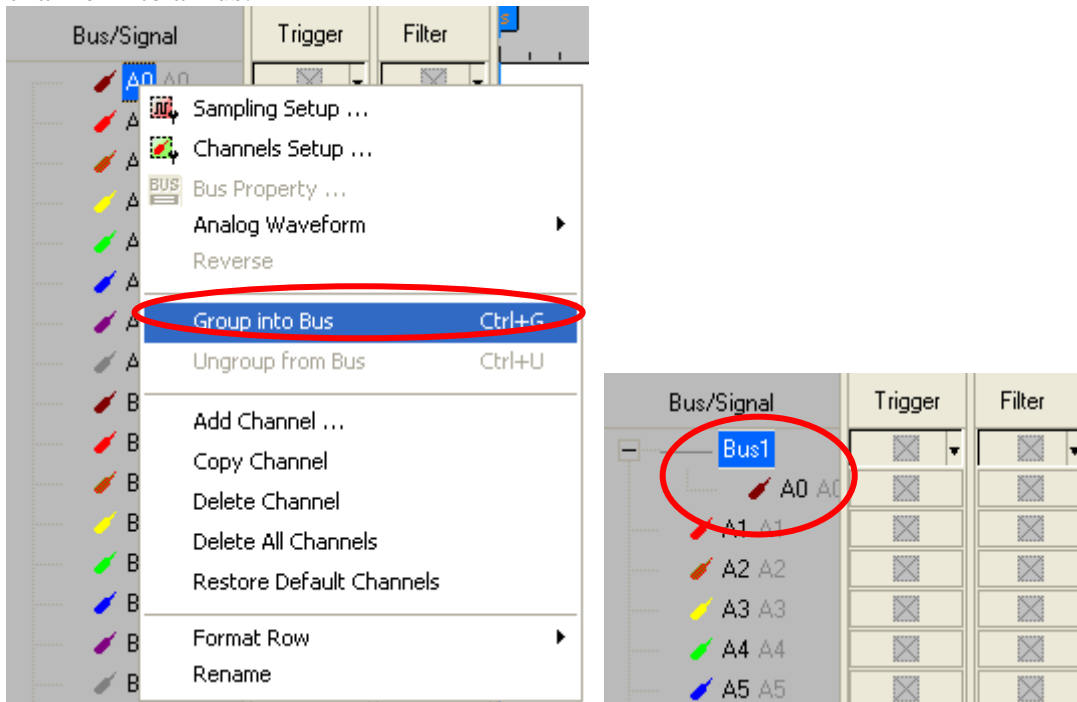
There is written ZeroPlus company information. If you have any questions about software operations, you can contact ZeroPlus by Telephone or Email.



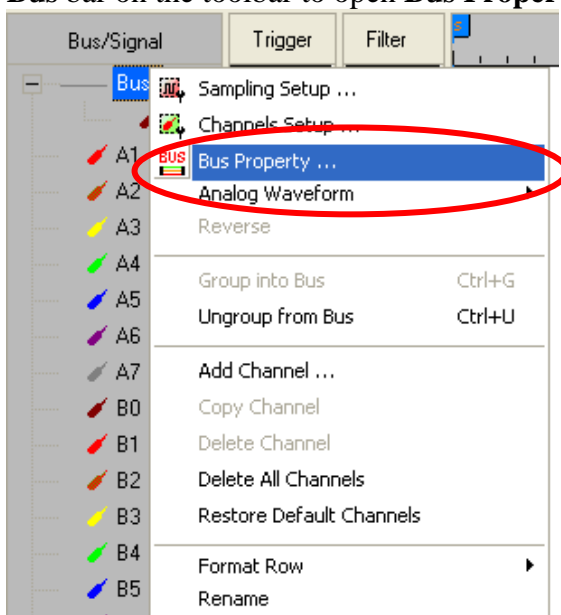


### 3 Operating Instructions

**STEP 1.** Open the Logic Analyzer and group the unanalyzed channels into **Bus1** by pressing the **Right Key** on the mouse. Philips RC-6 needs one channel to decode signals, so it is necessary to group one channel into a Bus.

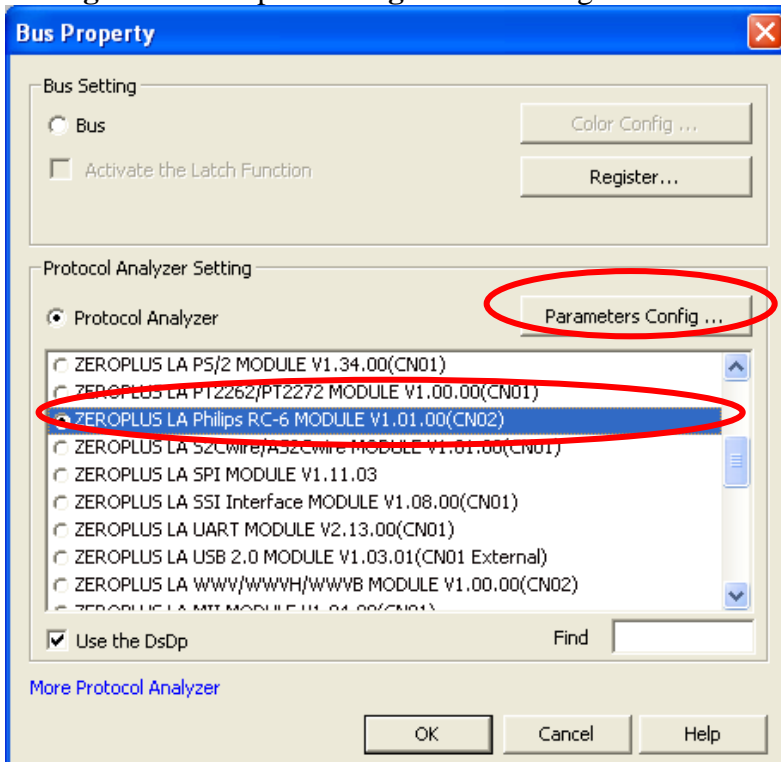


**STEP 2.** Select **Bus1**, and press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus** bar on the toolbar to open **Bus Property** dialog box.

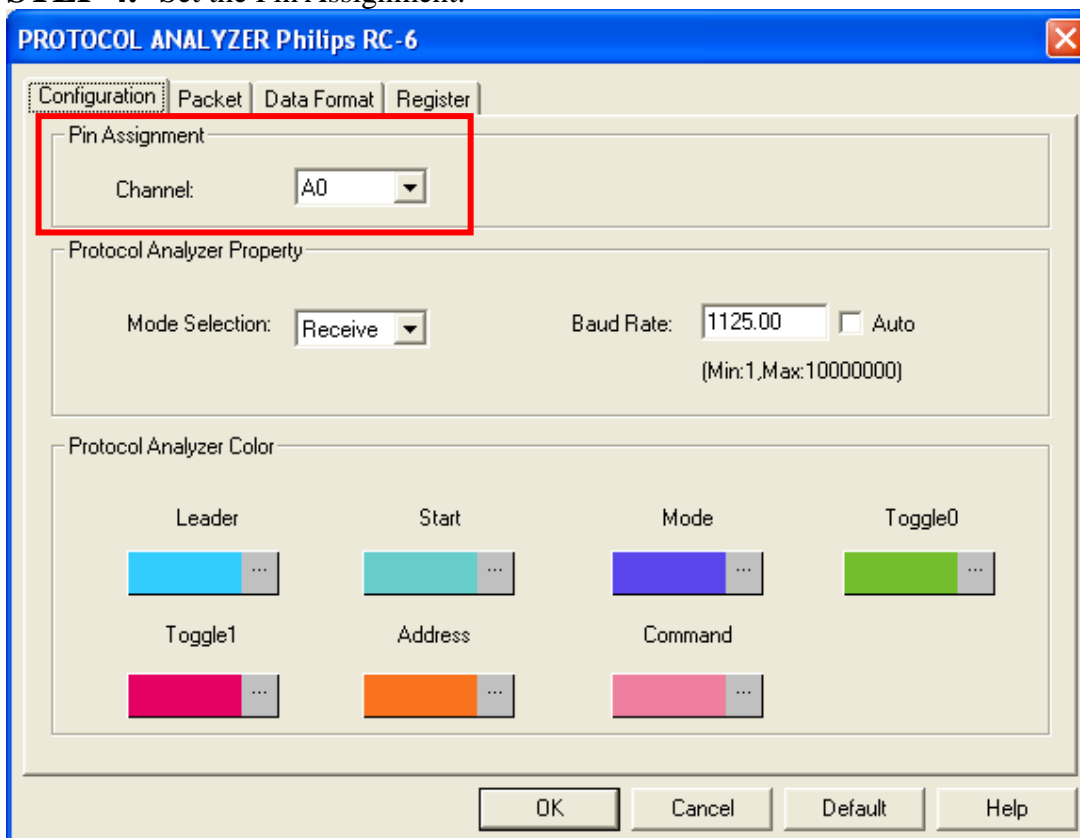




**STEP 3.** For Protocol Analyzer **Philips RC-6** Parameters Configuration, select Protocol Analyzer, and then choose **ZEROPLUS LA Philips RC-6 MODULE V1.01.00(CN02)**. Next click **Parameters Configuration** to open **Configuration** dialog box.

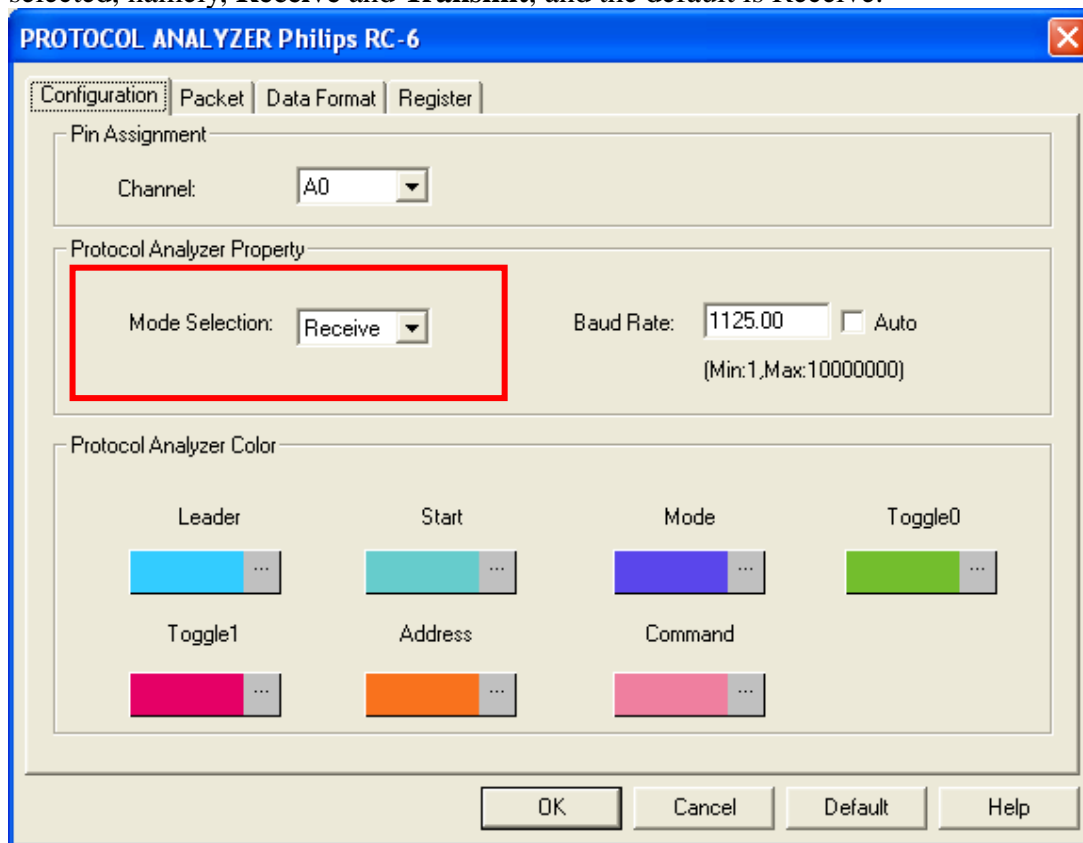


**STEP 4.** Set the Pin Assignment.

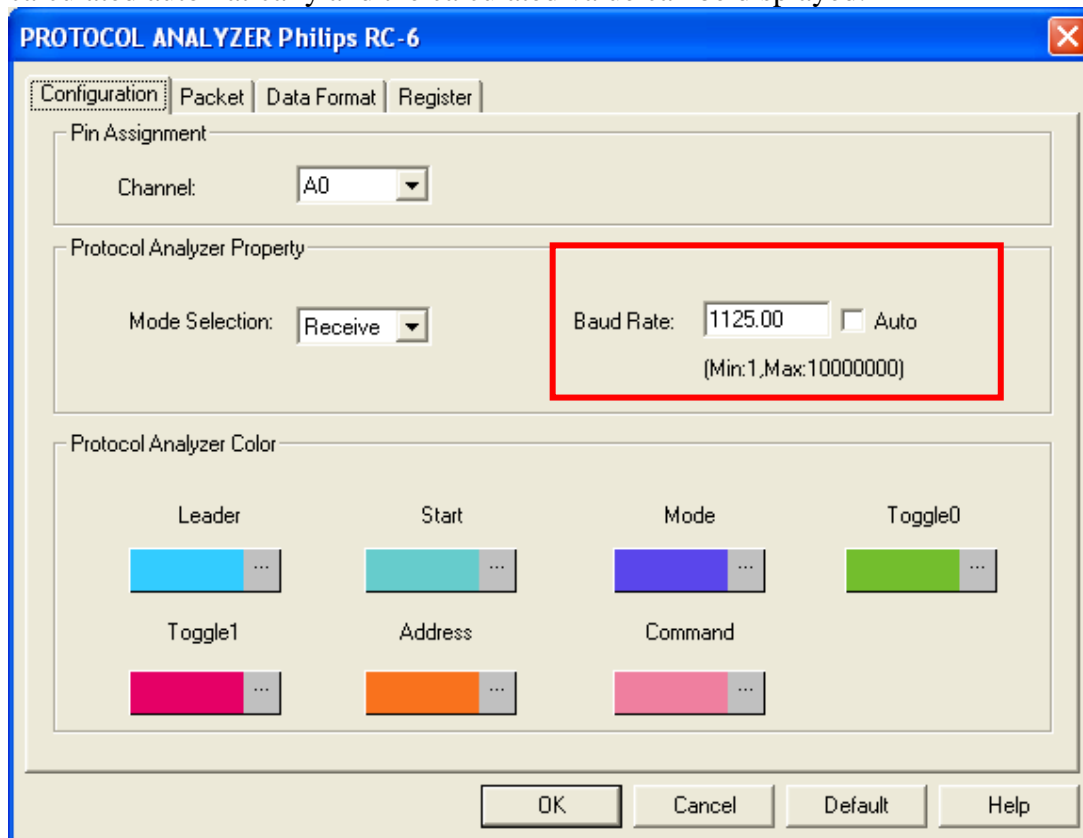




**STEP 5.** Set the Mode Selection in the Configuration dialog box. There are two decoding modes to be selected, namely, **Receive** and **Transmit**, and the default is Receive.



**STEP 6.** Set the Baud Rate, the default is 1125.00. When selecting Auto, the Baud Rate can be calculated automatically and the calculated value can be displayed.



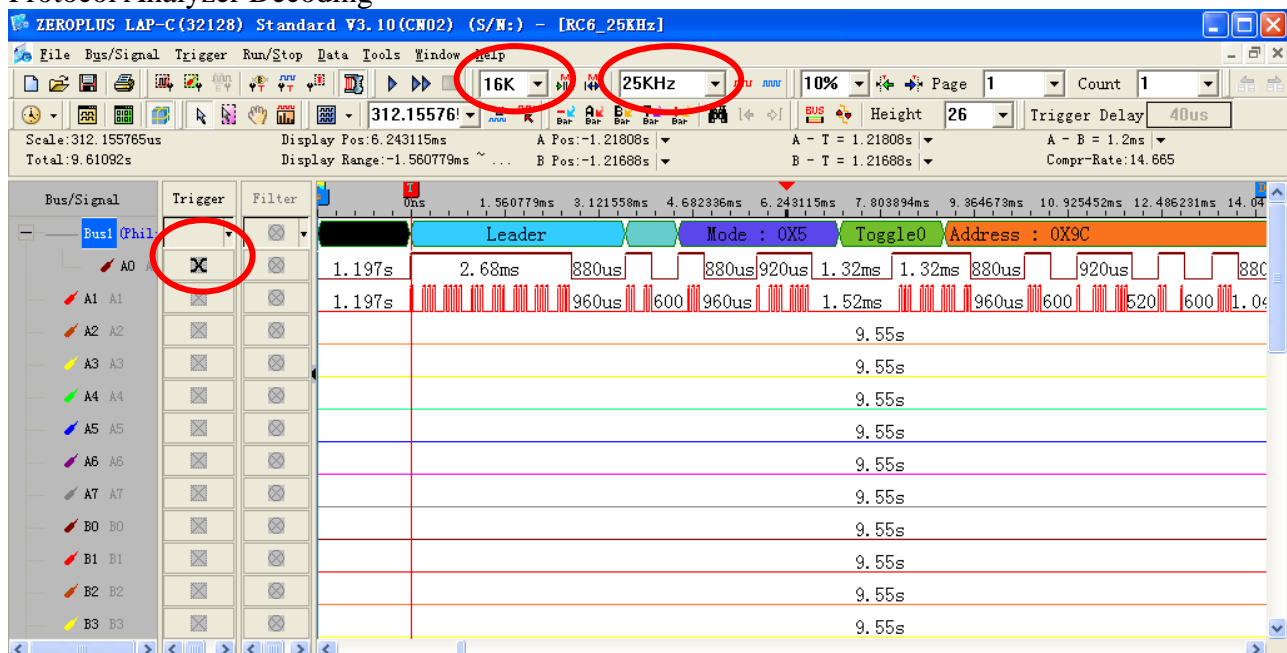


## STEP 7. Set the Protocol Analyzer Color.



**STEP 8.** Following pictures show the completion of the protocol analyzer's receiving port decoding and the packet list. The trigger condition is set as Either Edge; the memory depth is 16K; the sampling frequency is 25KHz (the sampling frequency should be more than 4 times higher than the signal to be tested). The below Mode is the Receiving Port; when it is the Transmitting Port, we recommend that the sampling frequency is 400KHz.

## Protocol Analyzer Decoding





Packet List

