



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

# SPECIFICATION

**MODEL: B09009-LAP-WIEGAND-M**

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

**VERSION :** V1.01

Approver		Check	Design
GM	PM		

Customer Confirm

\* Please fax the file to  
Zeroplus Technology after  
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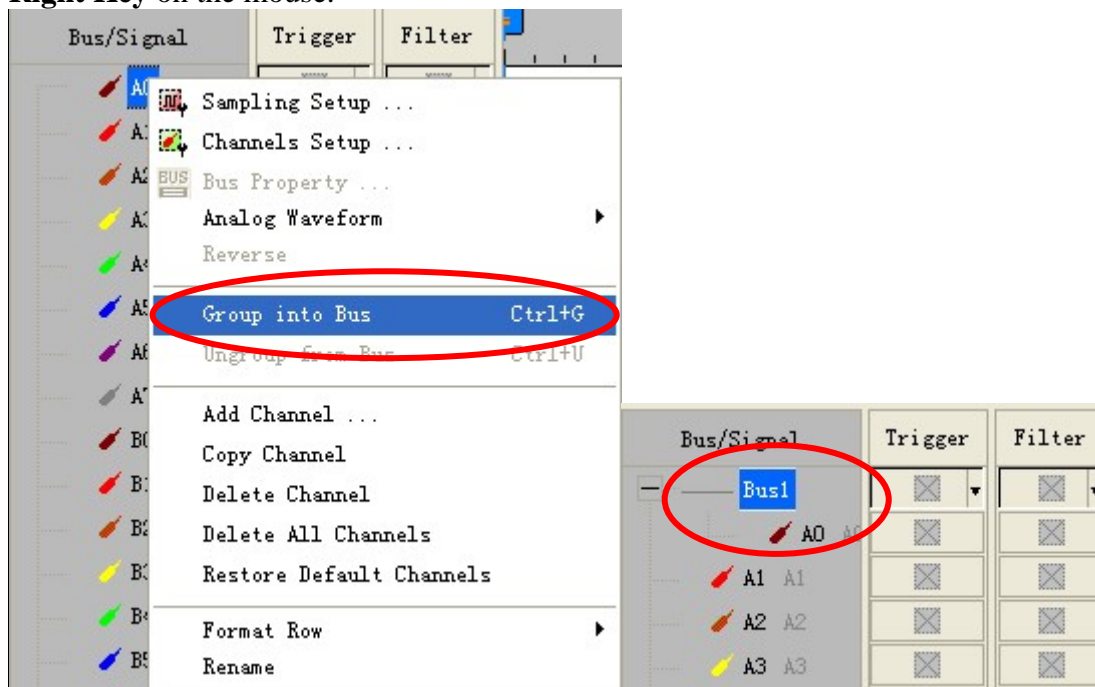
## 1 Software Register

Please register the software as the following steps:

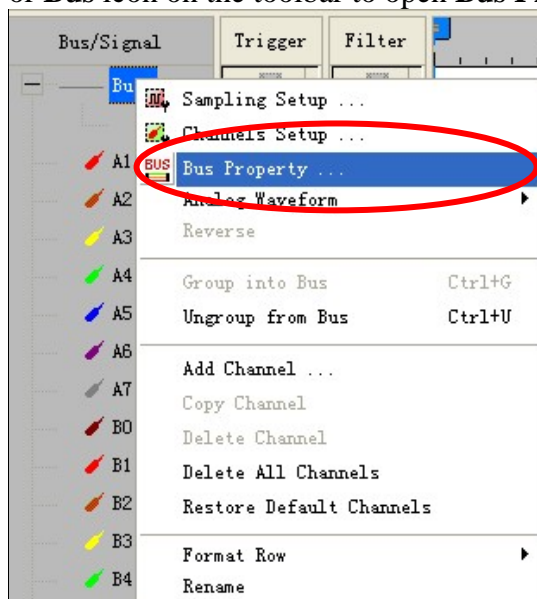
※ Remark1: The registration steps for all protocol analyzers are the same, you can complete the registration by following procedures. Following is an example on how to register the Protocol Analyzer BUS.

※ 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.

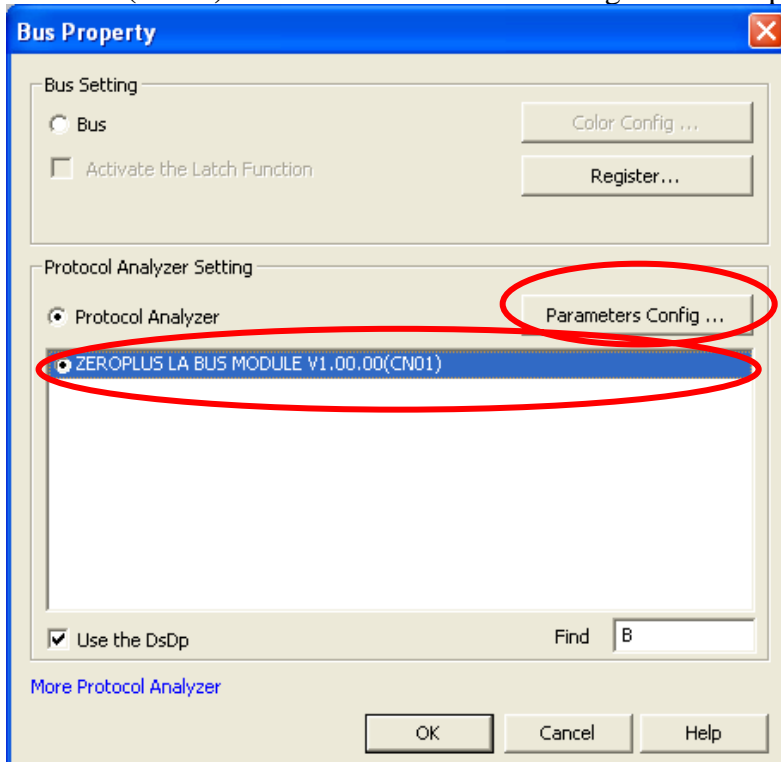


**STEP 2.** Select **Bus 1**, then press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus icon** on the toolbar to open **Bus Property** dialog box.

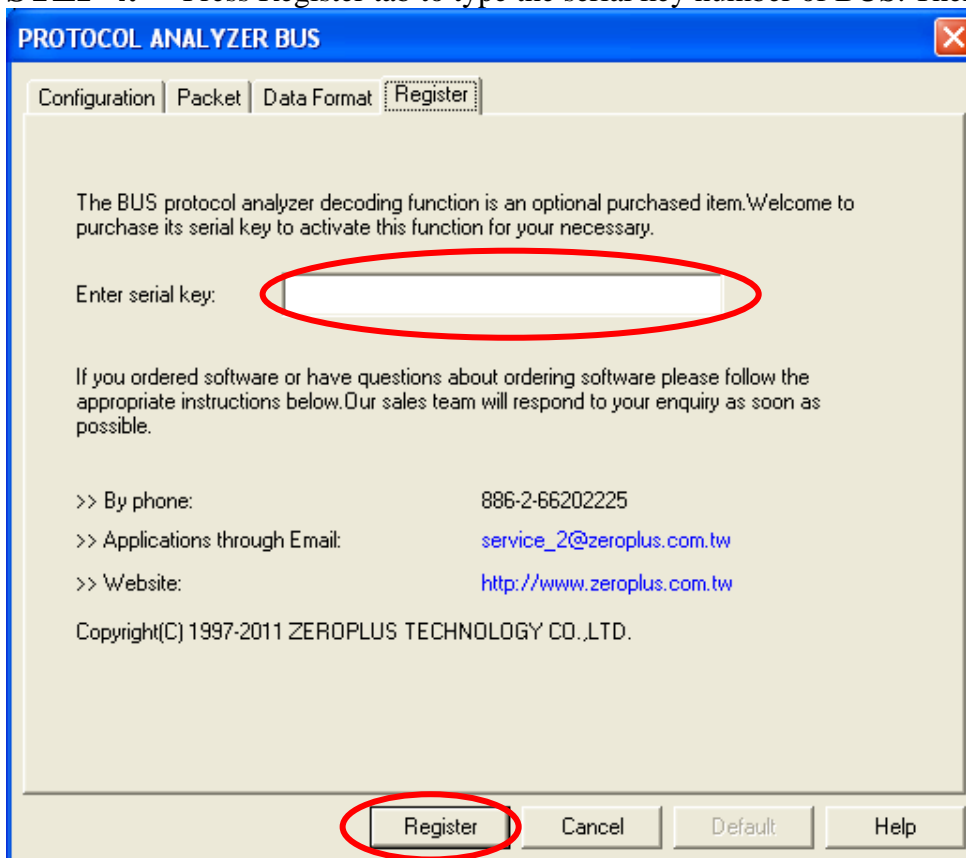




**STEP 3.** Select the Protocol Analyzer, and then choose **ZEROPLUS LA BUS MODULE V1.00.00(CN01)**. Next click Parameters Configuration to open Protocol Analyzer Bus dialog box.

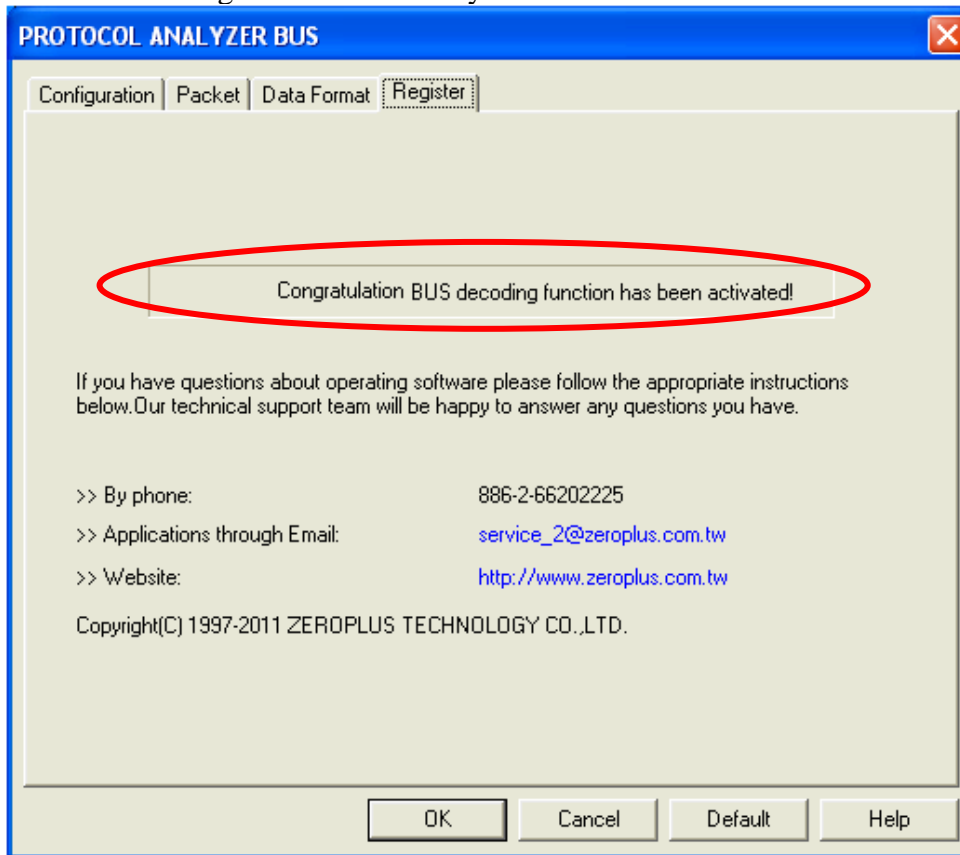


**STEP 4.** Press Register tab to type the serial key number of BUS. Then press Register.





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

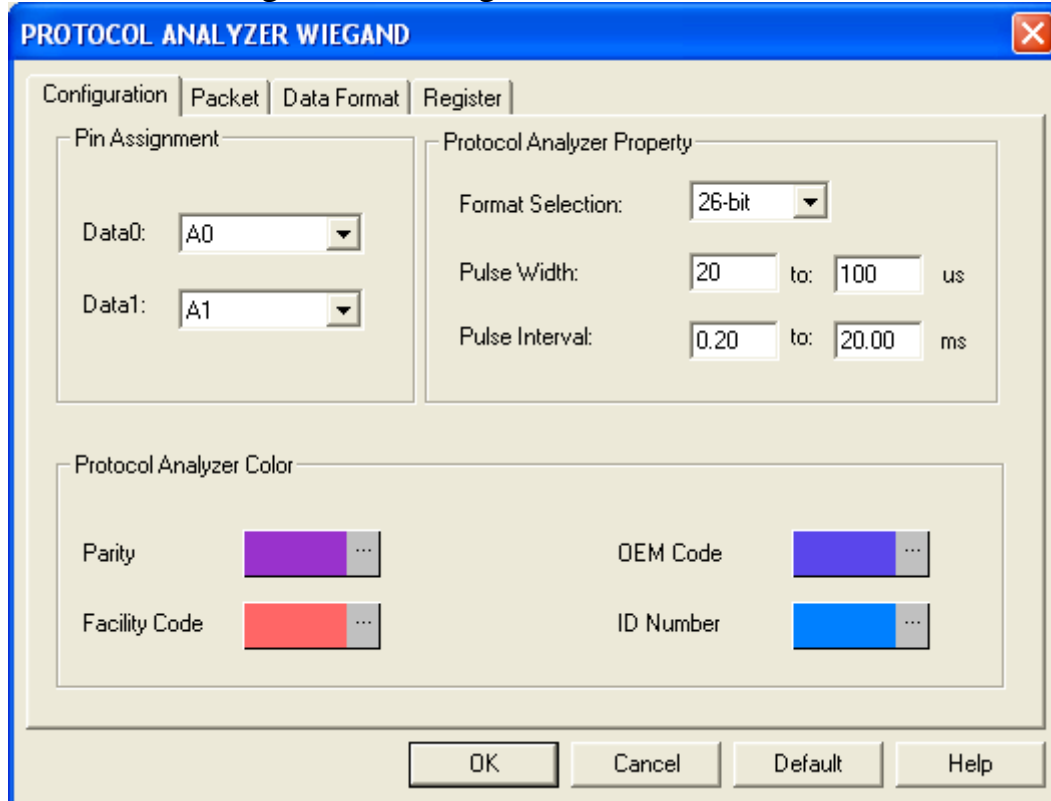




## 2 User Interface

In the configuration, please refer to the below images to select options of setting WIEGAND module.

### WIEGAND Configuration Dialog Box



#### Pin Assignment:

Data0: It is the output channel of Data0.

Data1: It is the output channel of Data1.

#### Protocol Analyzer Property:

**Format Selection:** There are three options, 26-bit, 39-bit and 44-bit.

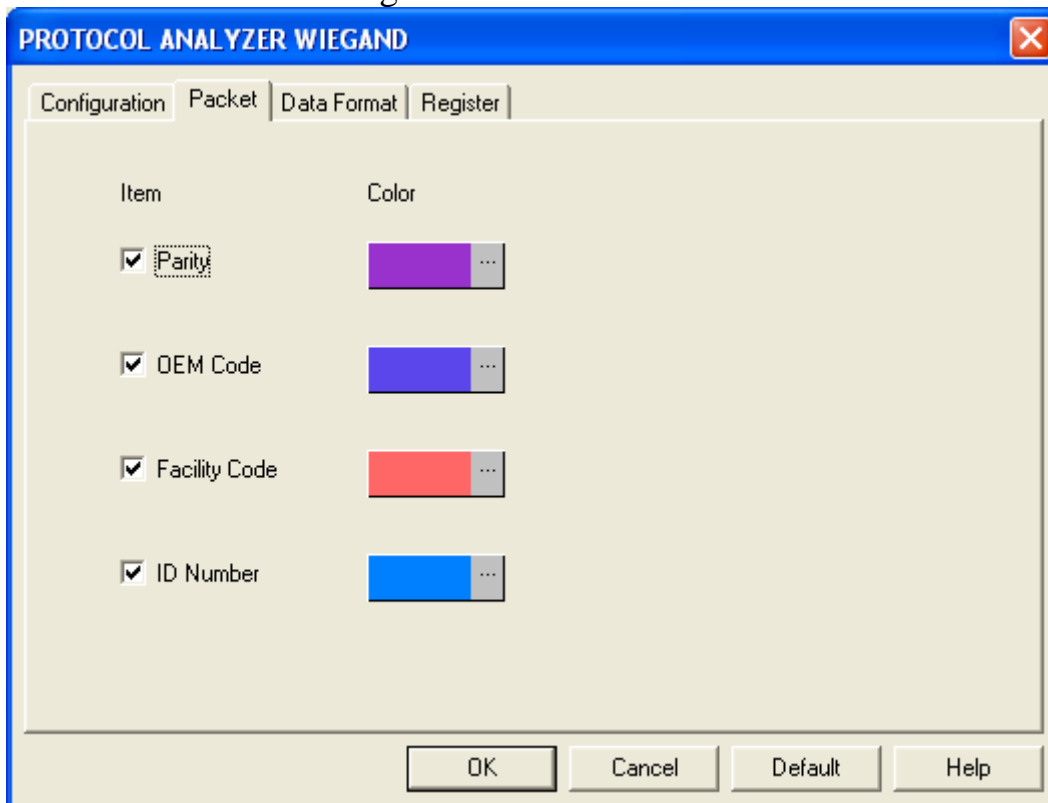
**Pulse Width:** Set the time width for the generated negative pulse; when inputting the value, the min. value can be set as 1us and the max. value can be set as 20000us, and the min. value should be less than the max. value. The default value is from 20us to 100us.

**Pulse Interval:** Set the time interval for each adjacent negative pulse; when inputting the value, the min. value can be set as 0.20ms and the max. value can be set as 250.00ms, and the min. value should be less than the max. value. The default value is from 0.20ms to 20.00ms.

**Protocol Analyzer Color:** The **Protocol Analyzer Color** can be varied by users.

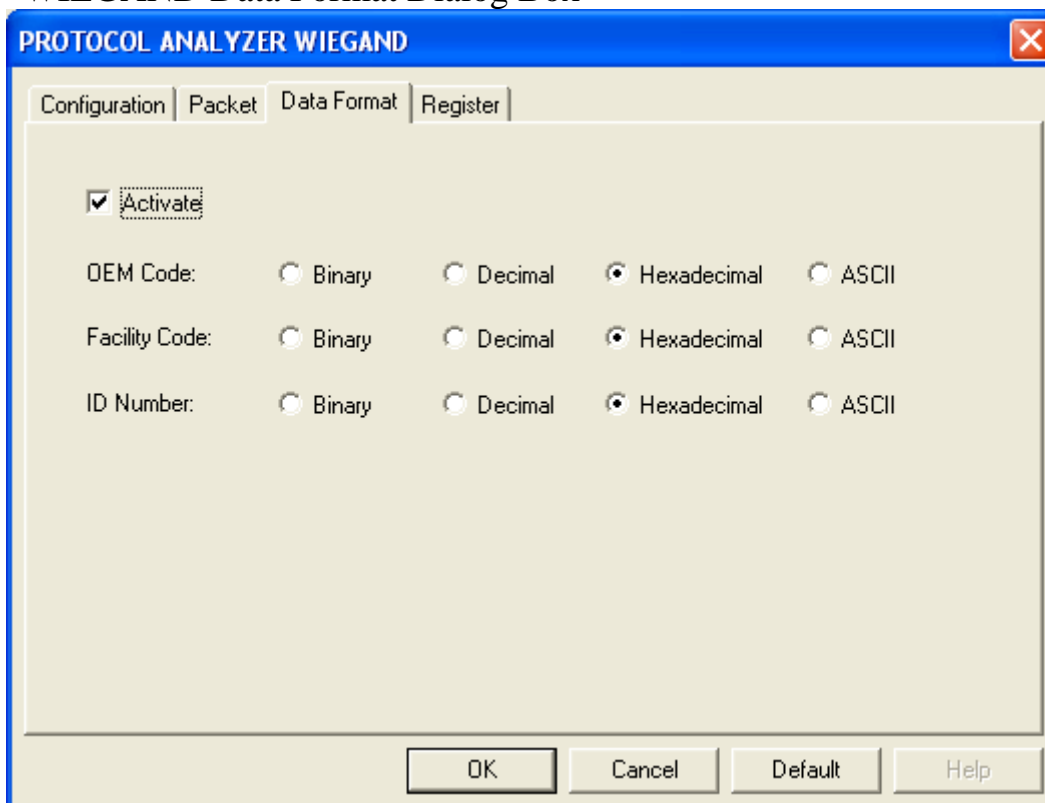


## WIEGAND Packet Dialog Box



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

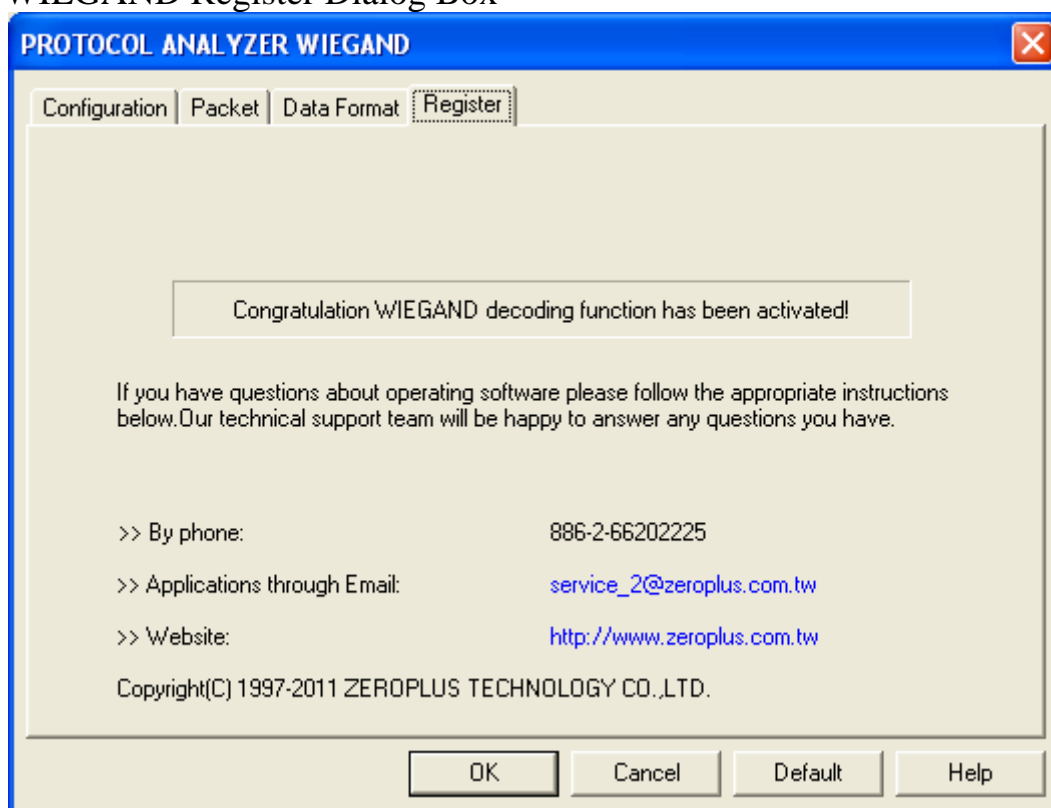
## WIEGAND Data Format Dialog Box



Users can set the Data Format of OEM Code, Facility Code, and ID Number 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.



## WIEGAND Register Dialog Box



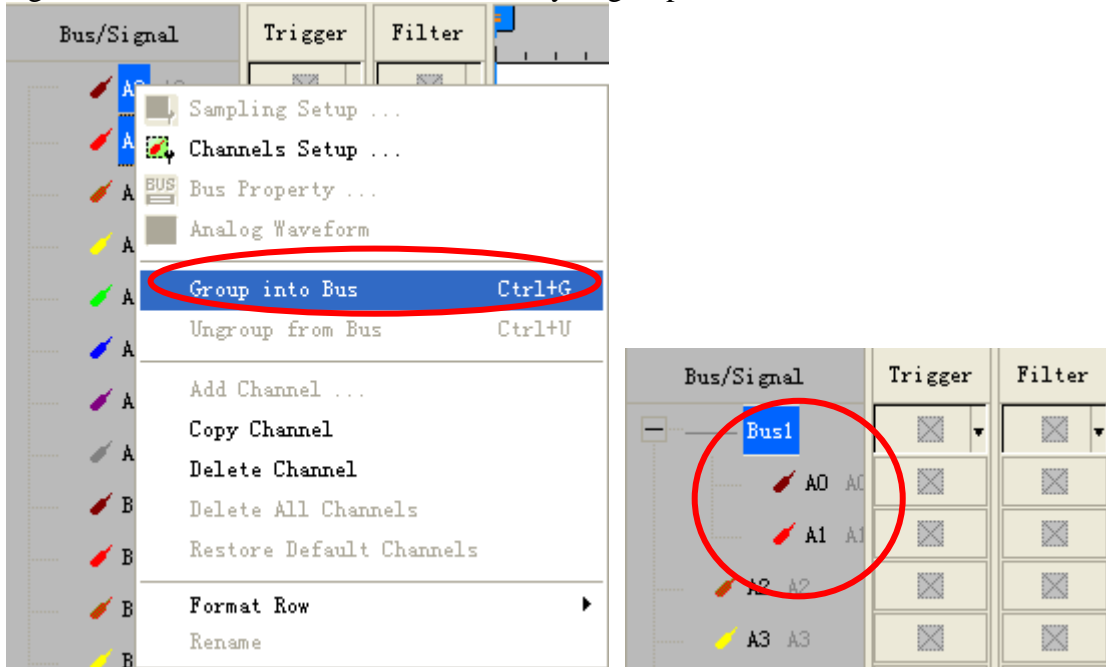
There is written ZeroPlus company information. If you have any questions about software operations, you can contact ZeroPlus by Telephone or Email.



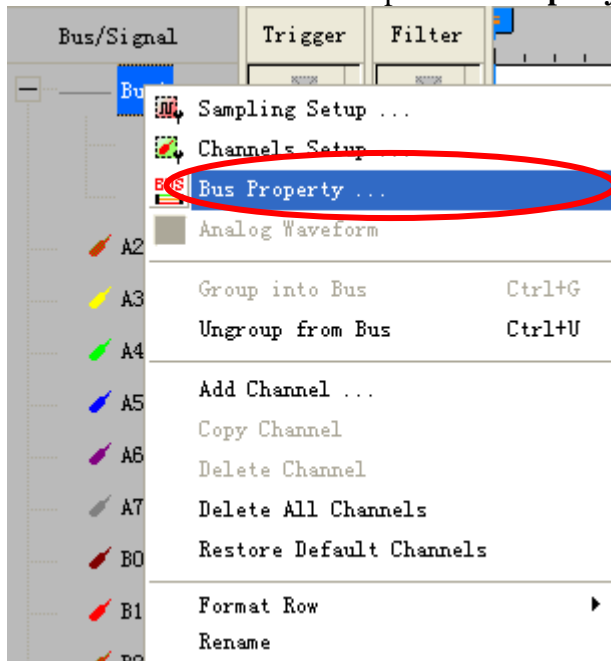


### 3 Operating Instructions

**STEP 1.** Group A0-A1 into **Bus1** by pressing the **Right Key** on the mouse. WIEGAND needs 2 signal channels to decode, so it is necessary to group 2 channels or more into a Bus.

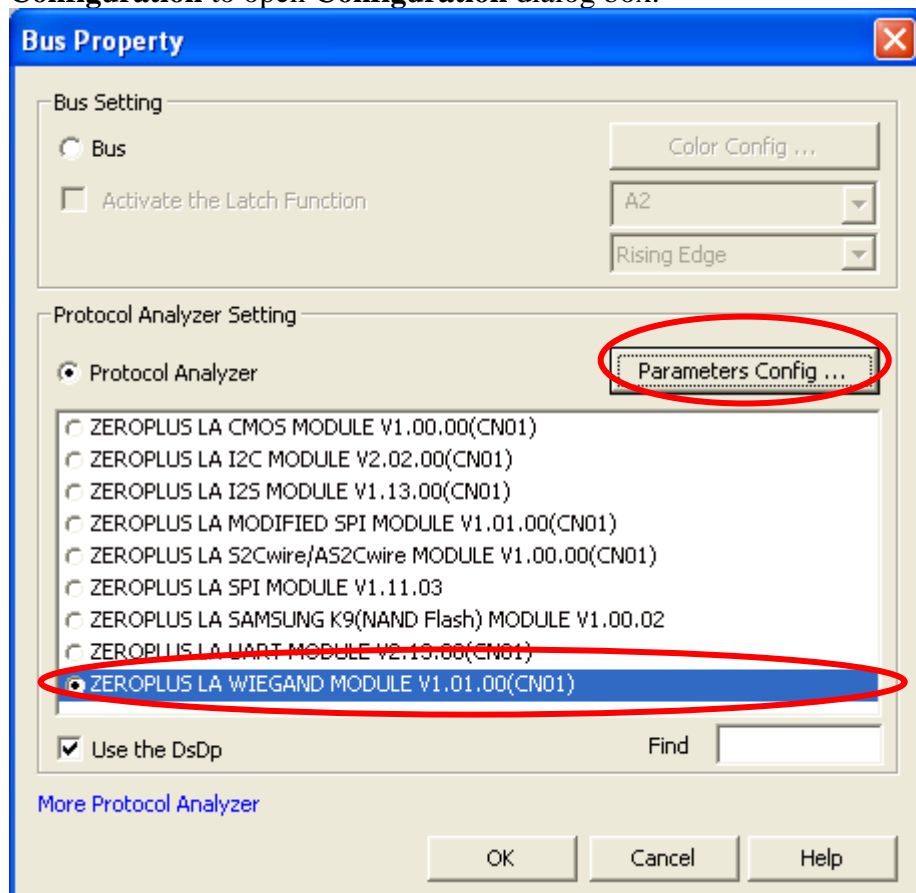


**STEP 2.** Select **Bus1**, and press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus bar** on the toolbar to open **Bus Property** dialog box.

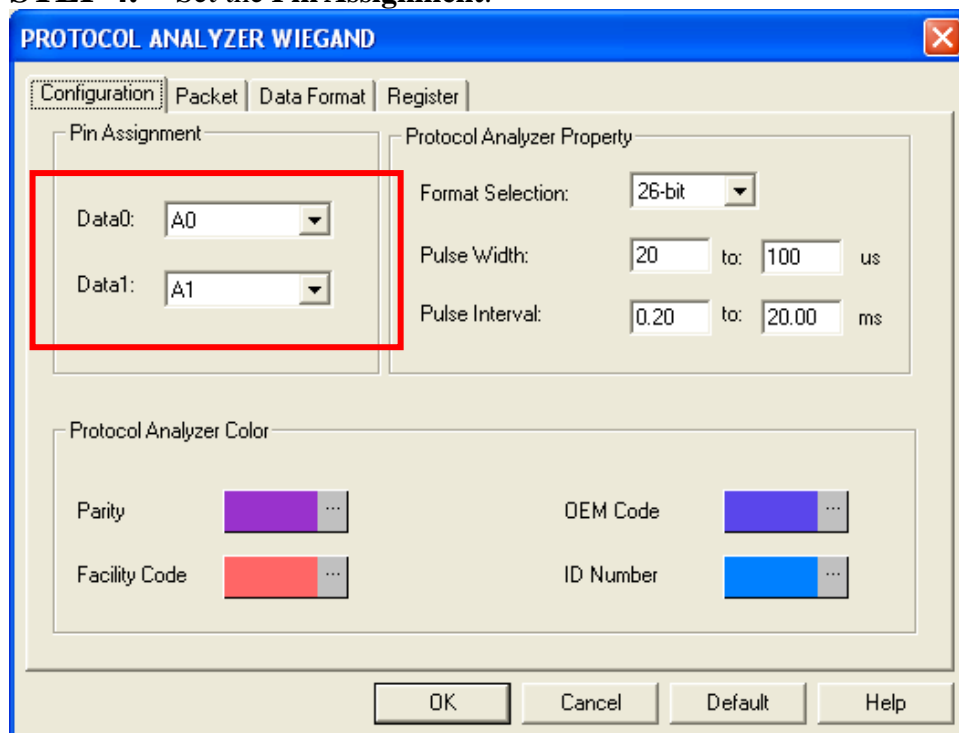




**STEP 3.** For Protocol Analyzer WIEGAND Parameters Configuration, select Protocol Analyzer, and then choose **ZEROPLUS LA WIEGAND MODULE V1.01.00(CN01)**. Next click **Parameters Configuration** to open **Configuration** dialog box.



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





## STEP 5. Set the Protocol Analyzer Property.

**PROTOCOL ANALYZER WIEGAND**

Configuration | Packet | Data Format | Register

Pin Assignment

Data0: A0  
Data1: A1

Protocol Analyzer Property

Format Selection: 26-bit  
Pulse Width: 20 to 100 us  
Pulse Interval: 0.20 to 20.00 ms

Protocol Analyzer Color

Parity: [Color Selection]  
Facility Code: [Color Selection]  
OEM Code: [Color Selection]  
ID Number: [Color Selection]

OK Cancel Default Help

## STEP 6. Set the Protocol Analyzer Color.

**PROTOCOL ANALYZER WIEGAND**

Configuration | Packet | Data Format | Register

Pin Assignment

Data0: A0  
Data1: A1

Protocol Analyzer Property

Format Selection: 26-bit  
Pulse Width: 20 to 100 us  
Pulse Interval: 0.20 to 20.00 ms

Protocol Analyzer Color

Parity: [Color Selection]  
Facility Code: [Color Selection]  
OEM Code: [Color Selection]  
ID Number: [Color Selection]

OK Cancel Default Help

## Protocol Analyzer Decoding

