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

SPECIFICATION

MODEL: B09024-LAP-MVB-M

PART NO: _____

VERSION: **V1.02**

Approver		Check	Design
GM	PM		

Customer Confirm

＊Please fax the file to Zeroplus Technology after signing.

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Content

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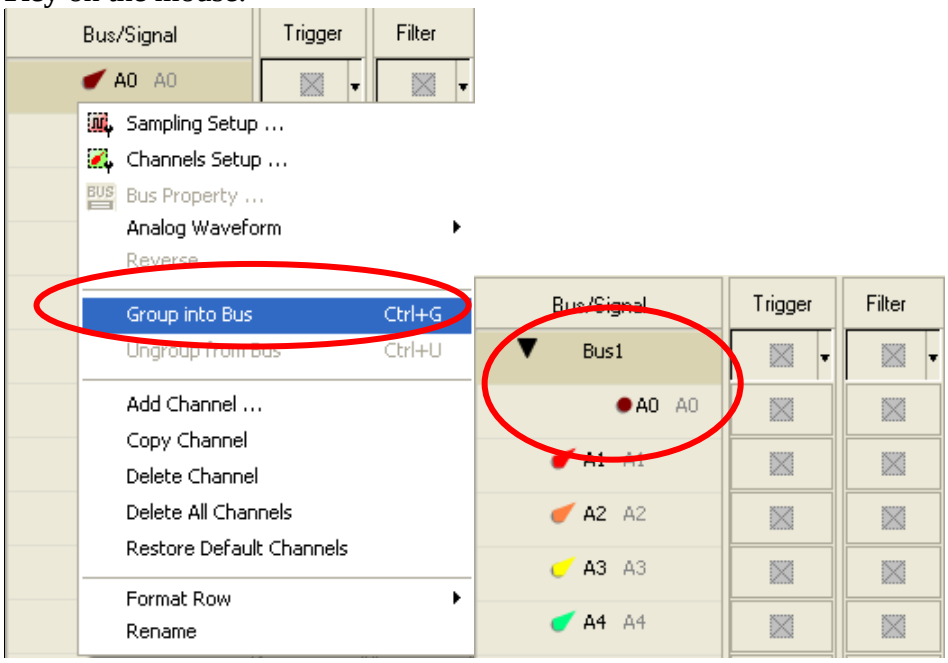
1 Software Register

Please register the software as the following steps:

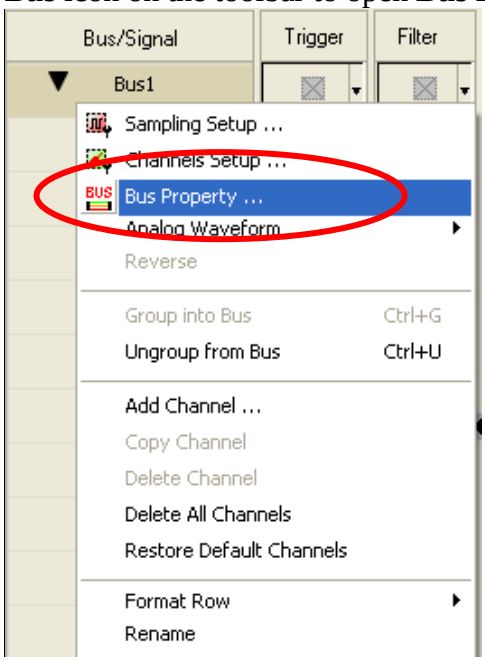
※ Remark1: The registration steps for all protocol analyzers are the same; you can complete the registration by following procedures. Following is an example on how to register the Protocol Analyzer BUS.

※ 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.



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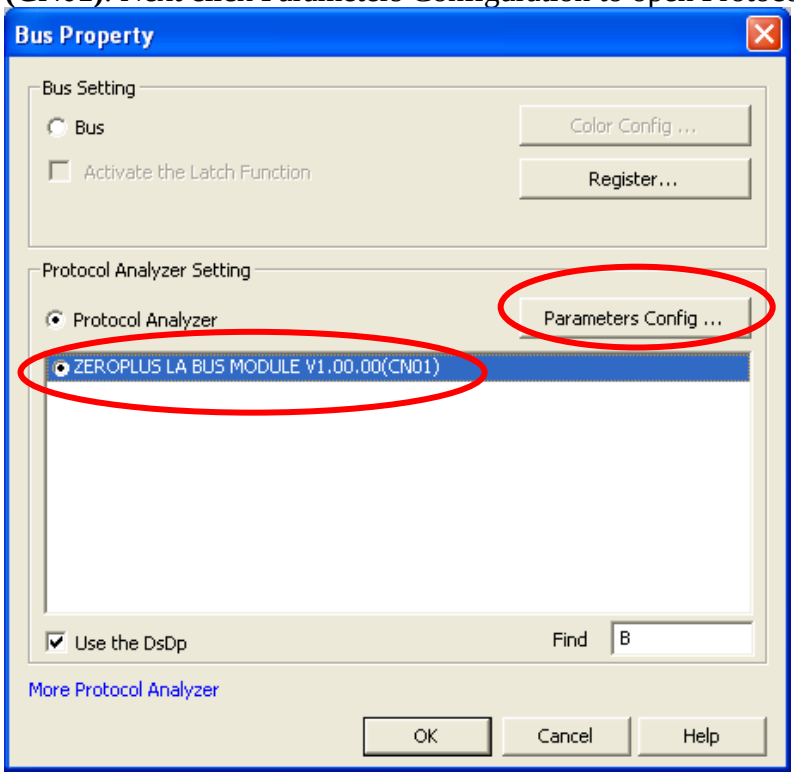
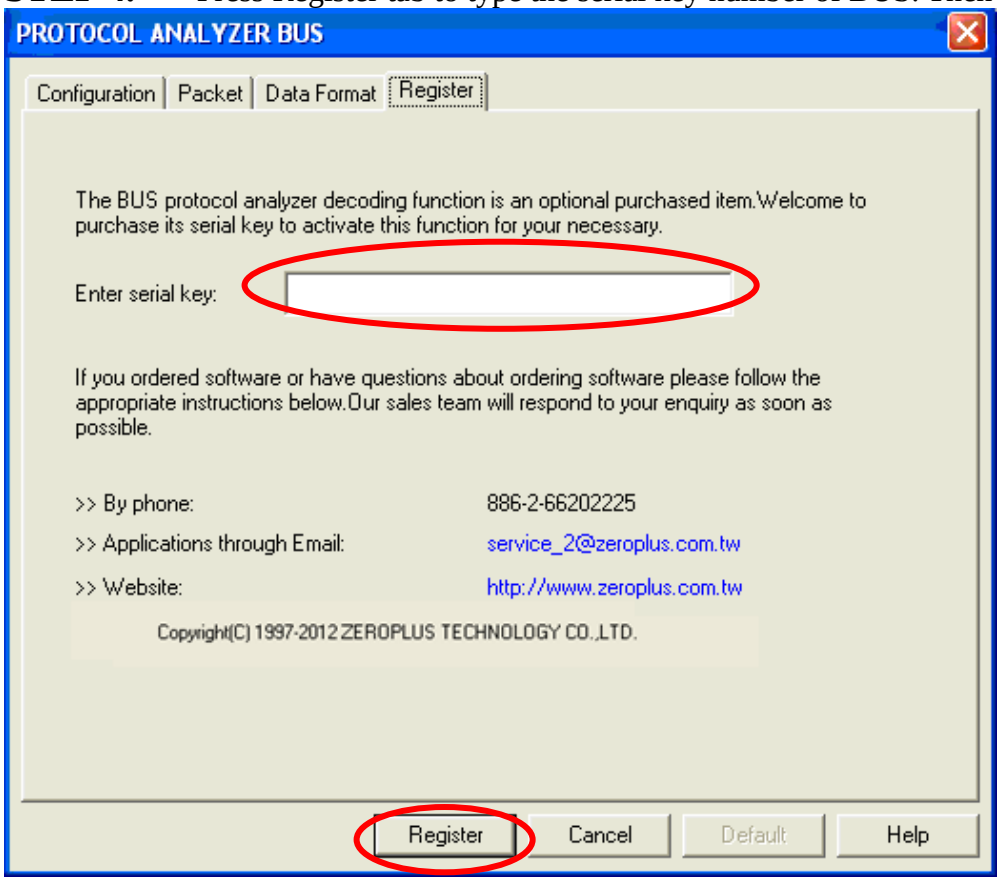
STEP 3. Select the Protocol Analyzer, and then choose **ZEROPLUS LA BUS MODULE V1.00.00 (CN01)**. Next click Parameters Configuration to open Protocol Analyzer Bus dialog box.



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



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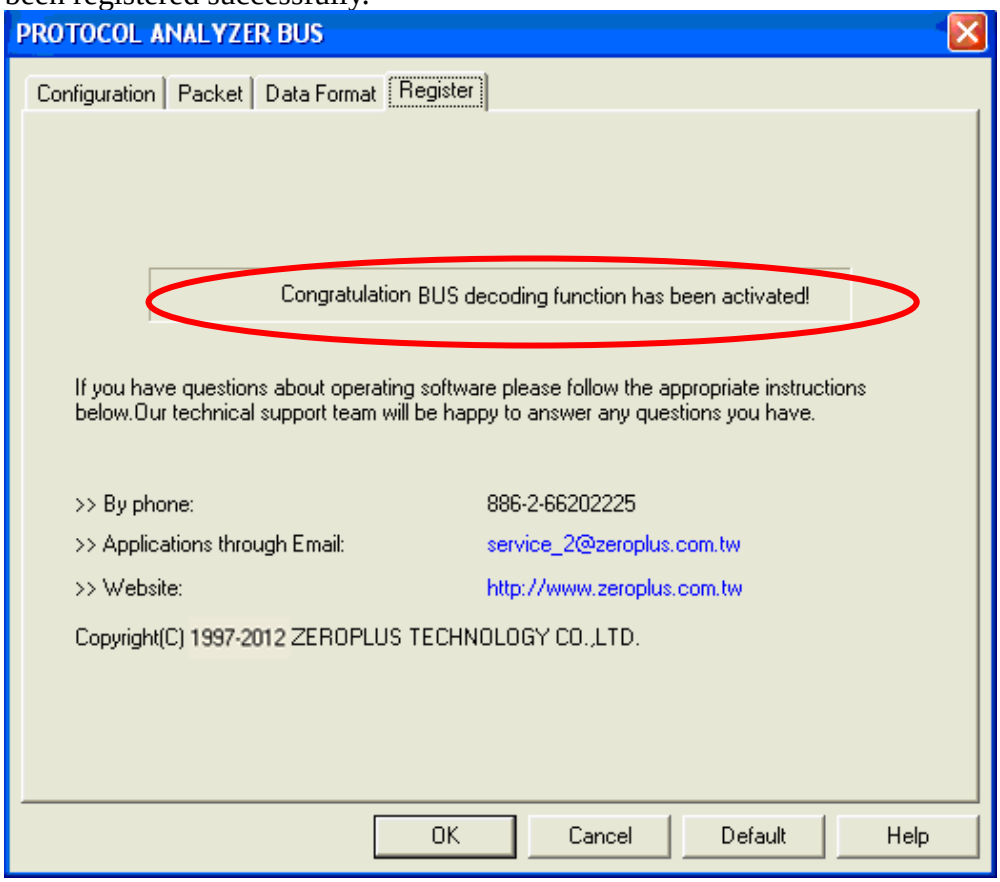
STEP 5. After pressing the Register button, following dialog box will appear, it denotes that the BUS has been registered successfully.



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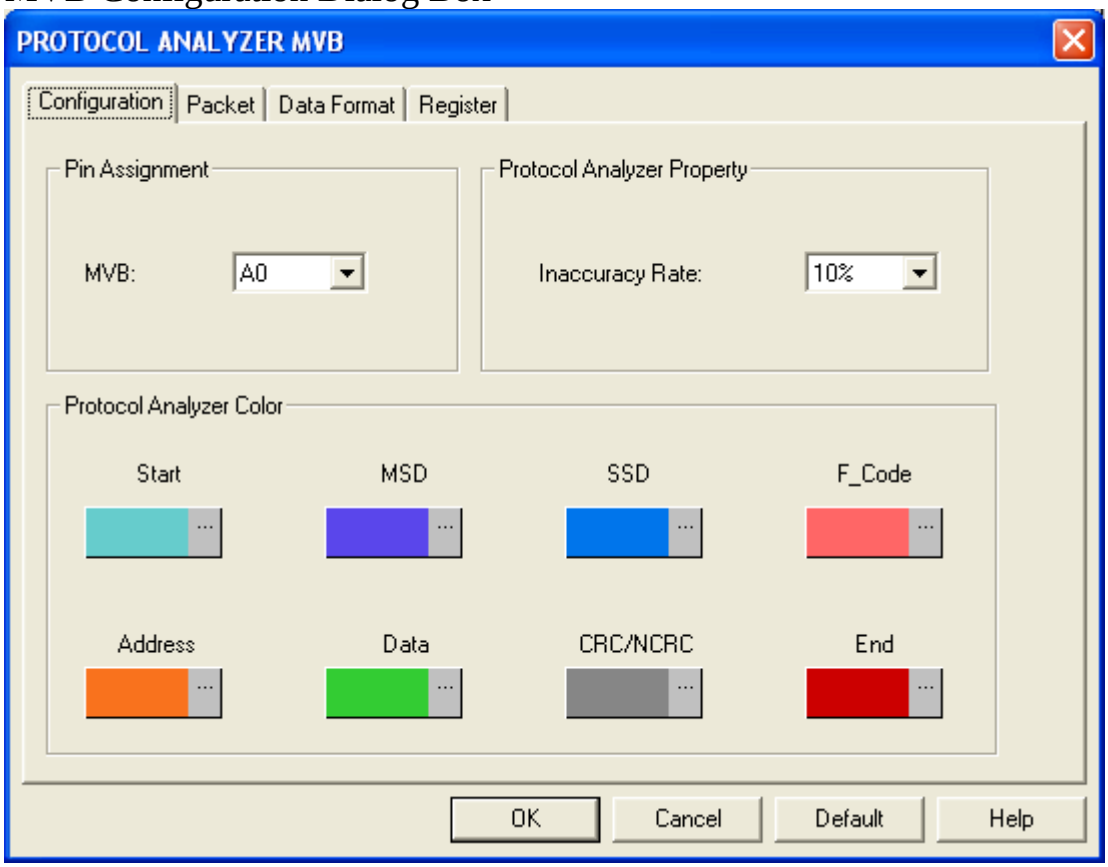
2 User Interface

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

MVB Configuration Dialog Box



Pin Assignment:

MVB: It is the Data Signal Line, and it needs only one channel.

Protocol Analyzer Property:

Inaccuracy Rate: It is the allowable tolerance value for the time width of one bit; the default is 10%. The standard Bit Width of the MVB is 667ns, and the 10% tolerance means that the Bit Width can be among 600ns-732ns. Otherwise, there are other two options, 5% and 15%, which can be selected from the pull-down menu.

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

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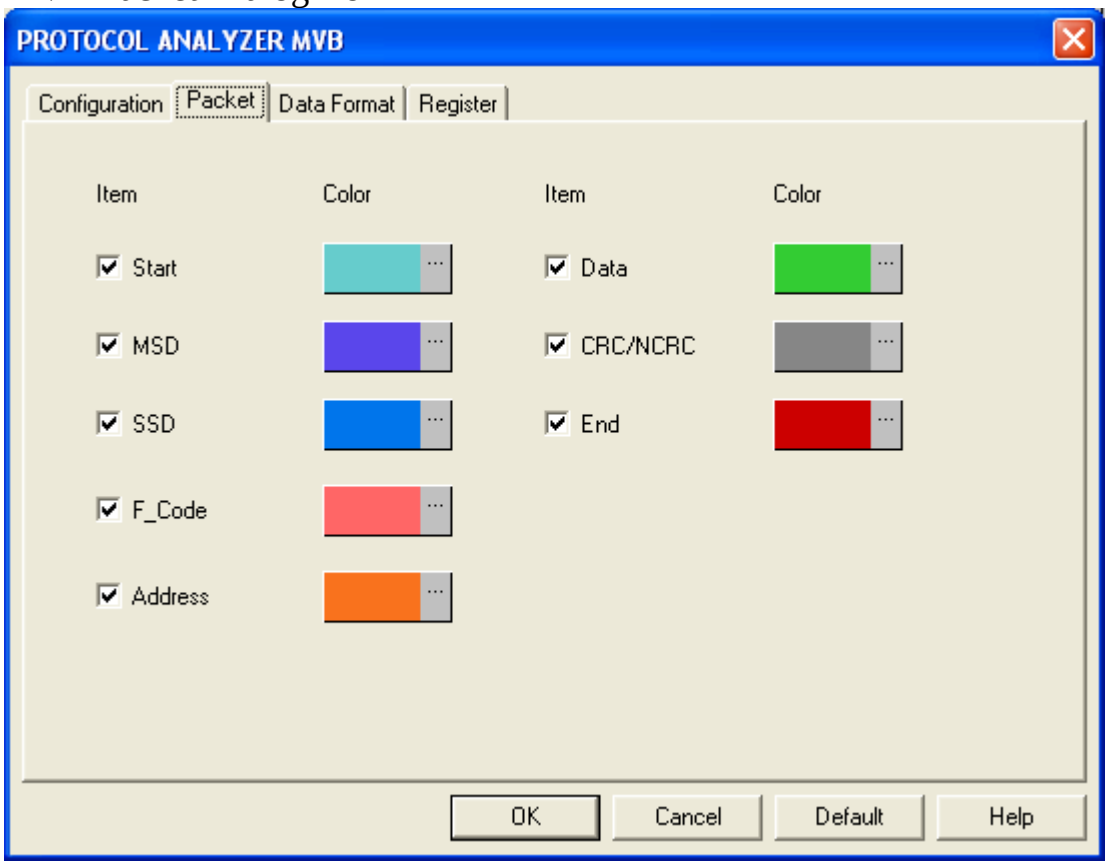
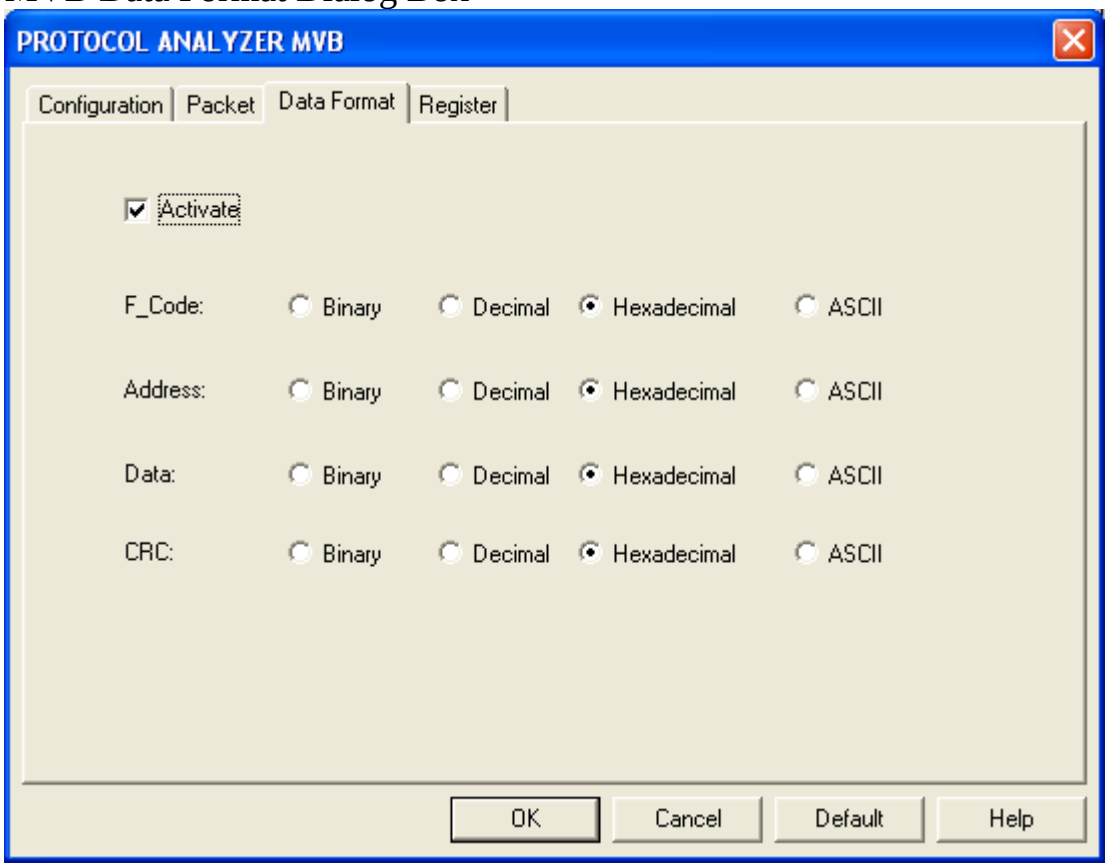
MVB Packet Dialog Box



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

MVB Data Format Dialog Box



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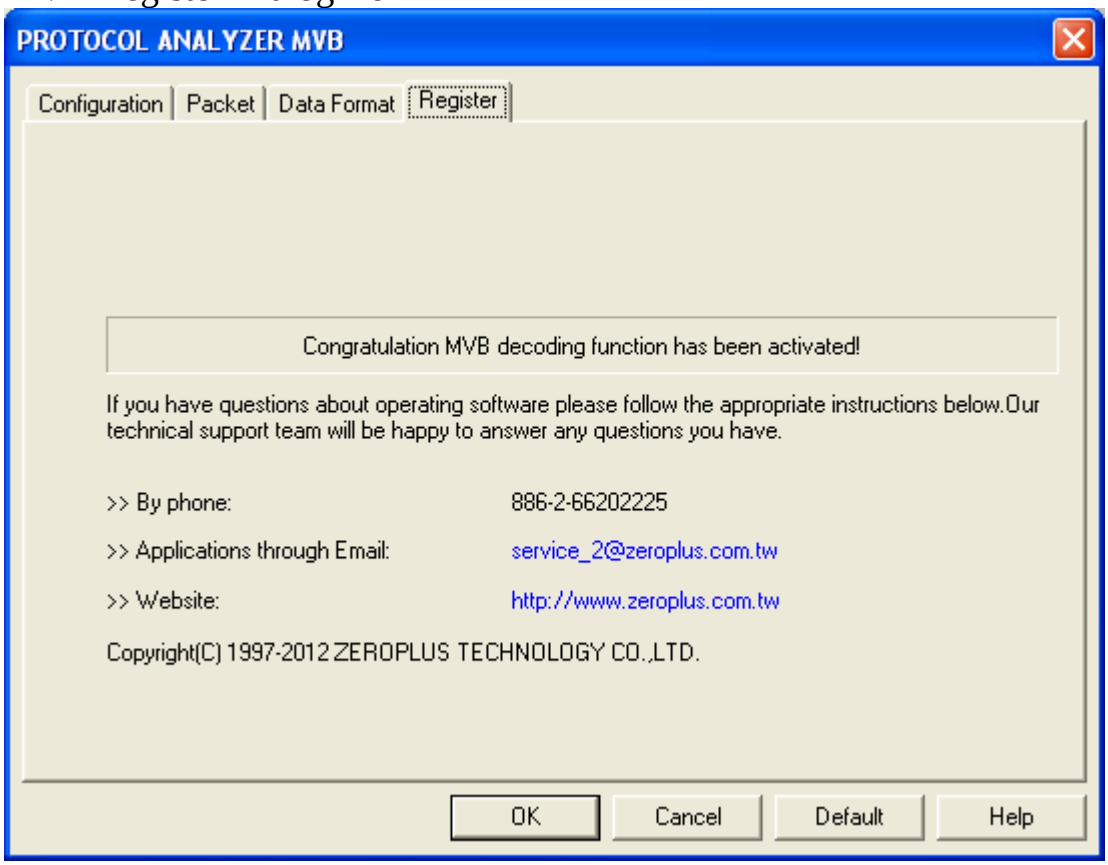
Users can set the Data Format of the F_Code, Address, Data and CRC as their requirements. When selecting the option, Activate, the data formats are decided by the settings in the Protocol Analyzer; when not selecting the option, Activate, the data formats are decided by the settings in the main program.

MVB 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

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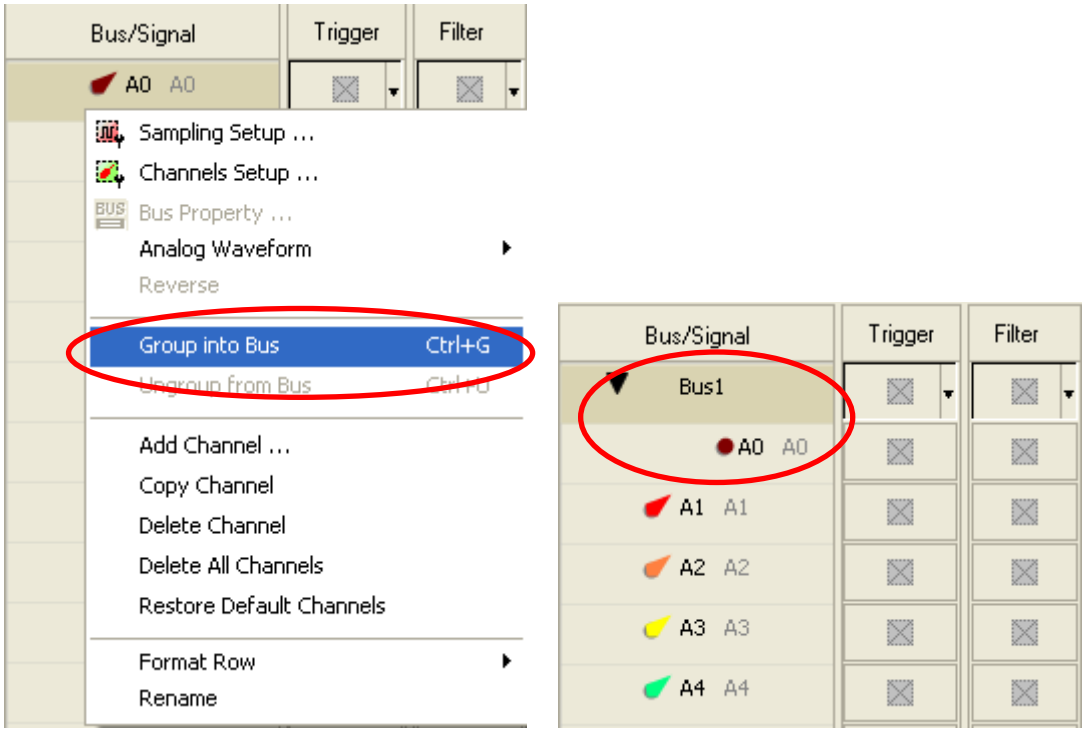
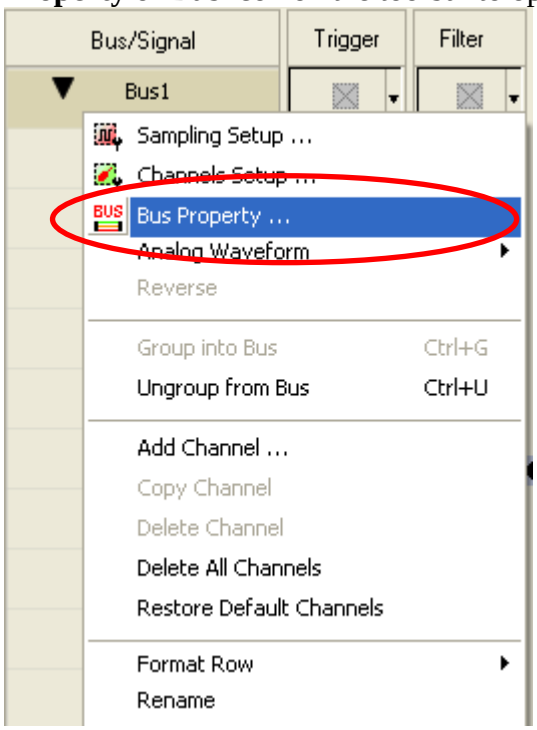
3 Operating Instructions

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



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.



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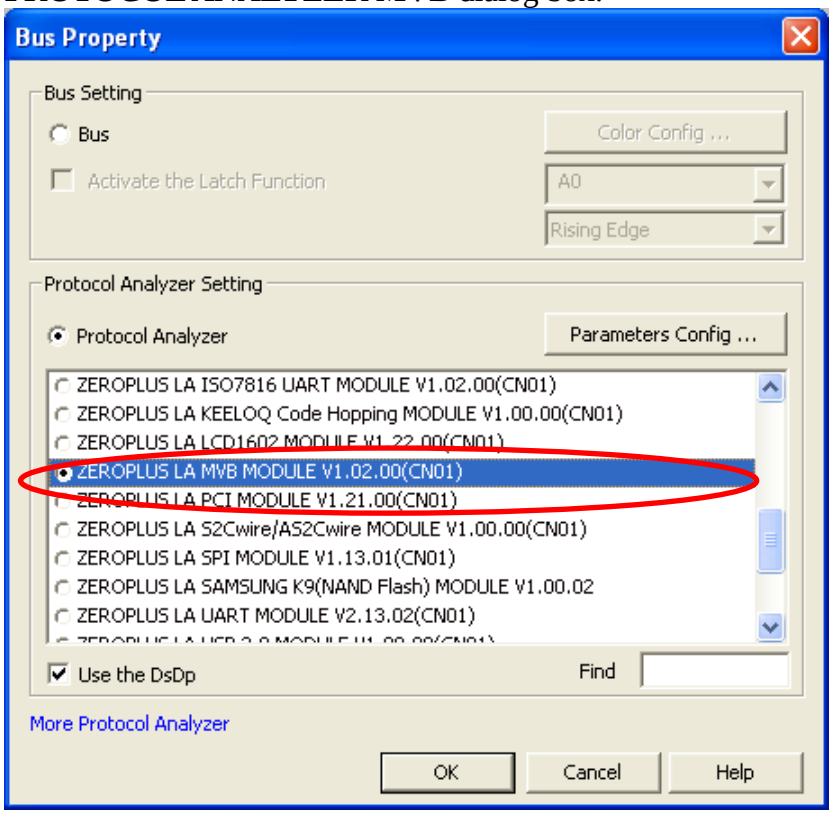
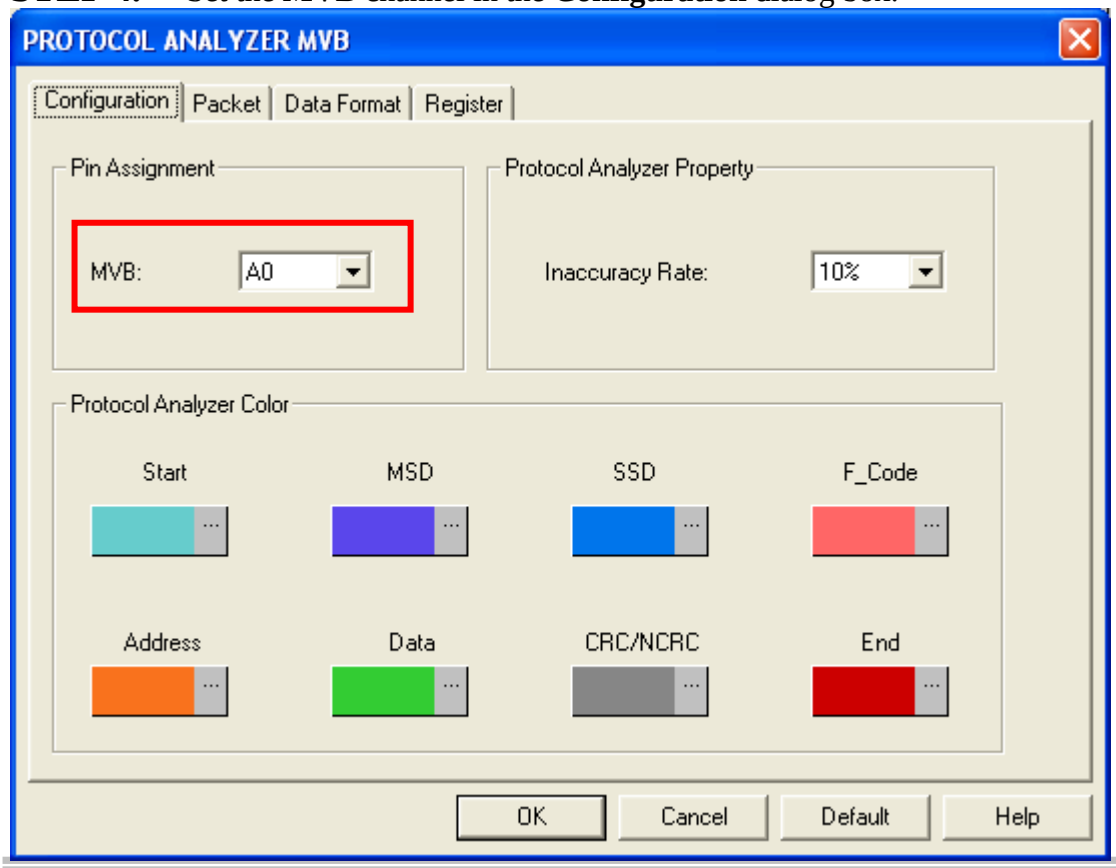
STEP 3. For Protocol Analyzer **MVB** Parameters Configuration, select Protocol Analyzer, and then choose **ZEROPLUS LA MVB MODULE V1.02.00(CN01)**. Next click **Parameters Configuration** to open the **PROTOCOL ANALYZER MVB** dialog box.



STEP 4. Set the **MVB** channel in the **Configuration** dialog box.



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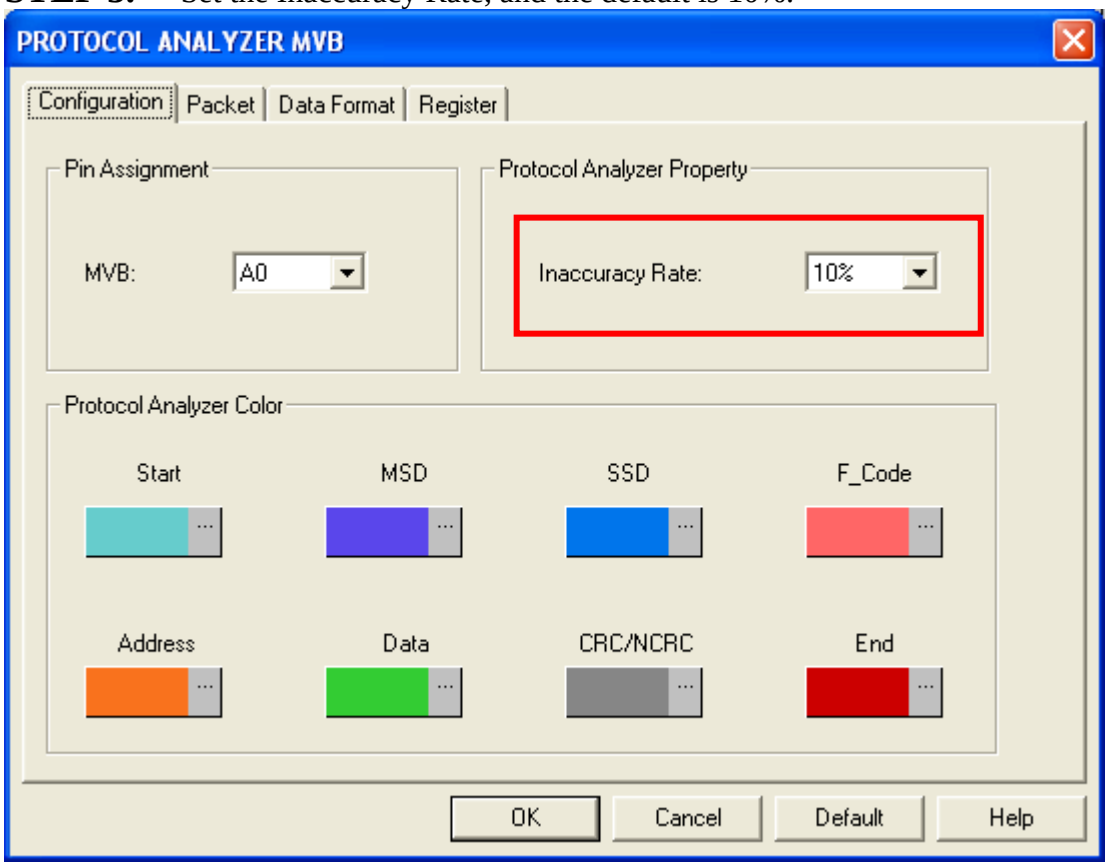
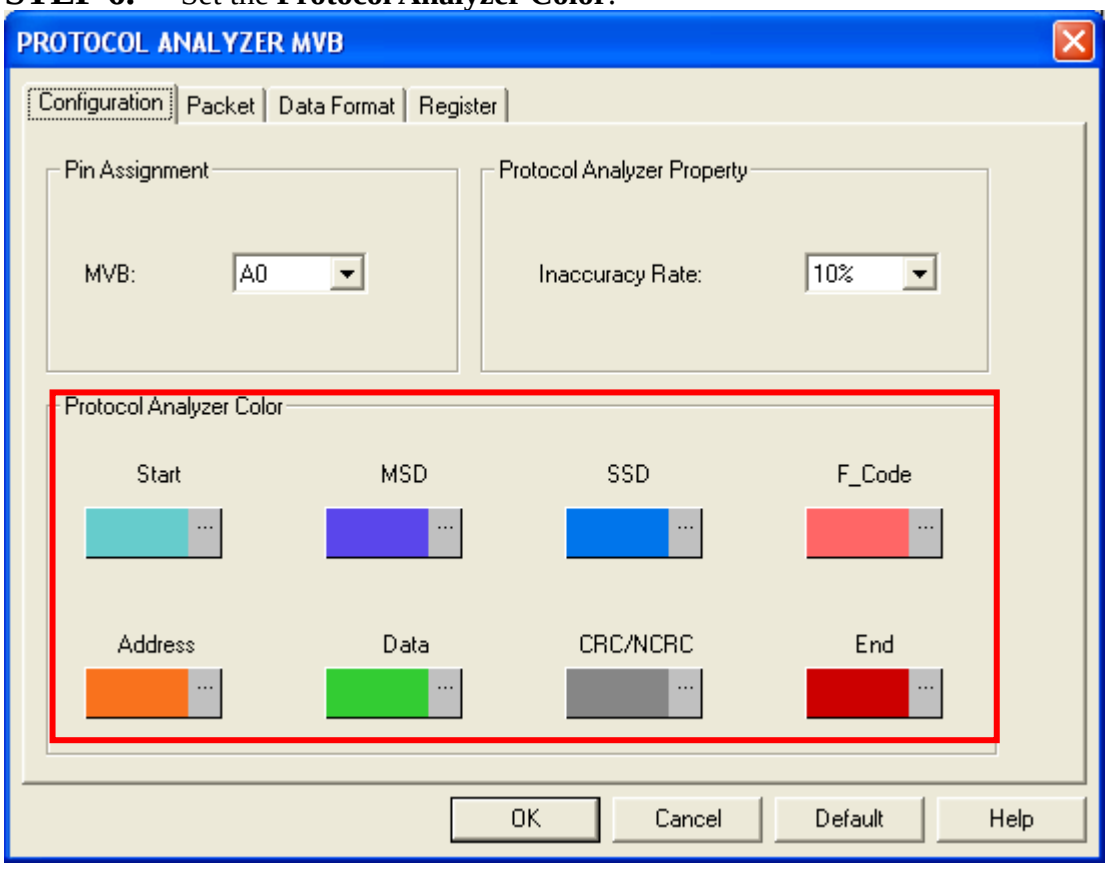
STEP 5. Set the Inaccuracy Rate, and the default is 10%.



STEP 6. Set the **Protocol Analyzer Color**.



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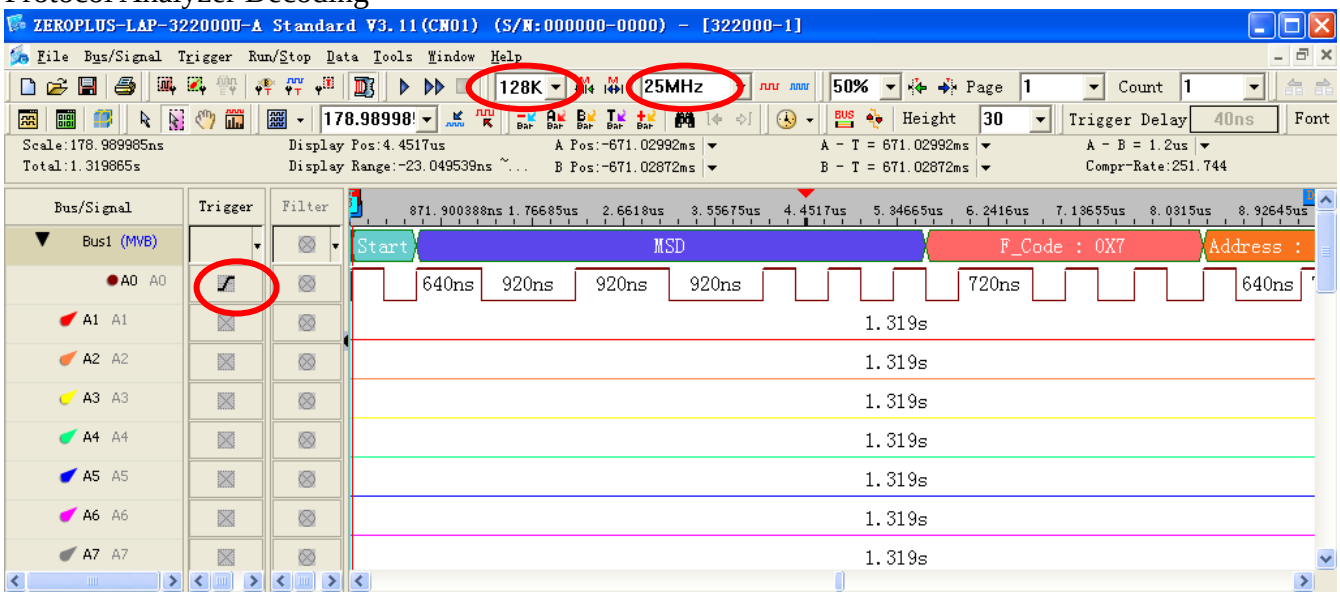
STEP 7. Following pictures show the completion of the protocol analyzer decoding and the packet list. The trigger condition is set as Rising Edge; the memory depth is 128K; the sampling frequency is 25MHz(the sampling frequency should be more than ten times higher than the signal to be tested).

Protocol Analyzer Decoding



Packet List