



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

SPECIFICATION

MODEL: B10002-LAP-DM114/DM115-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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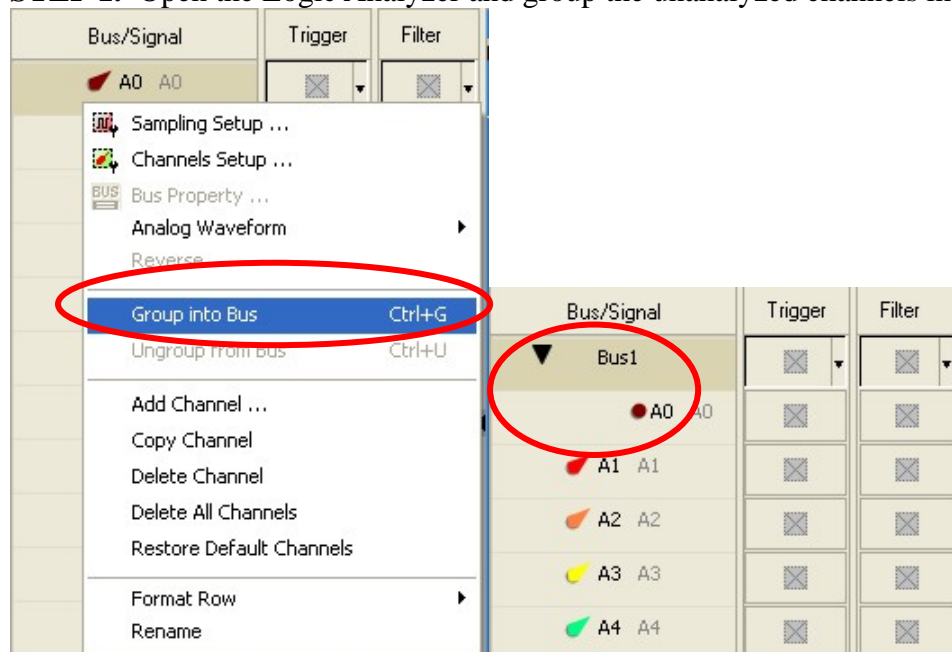
1 Software Register

Please register the software as the following steps:

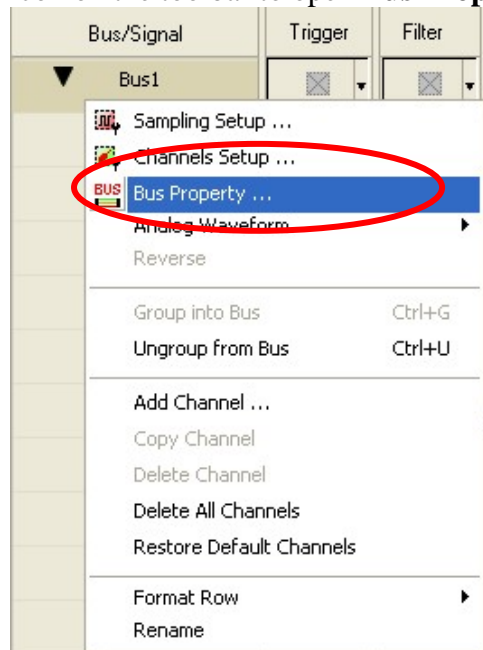
※ **Remark1:** The registration steps for all protocol analyzers are the same; you can complete the registration by following procedures. Following is an example on how to register the Protocol Analyzer BUS.

※ **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**.

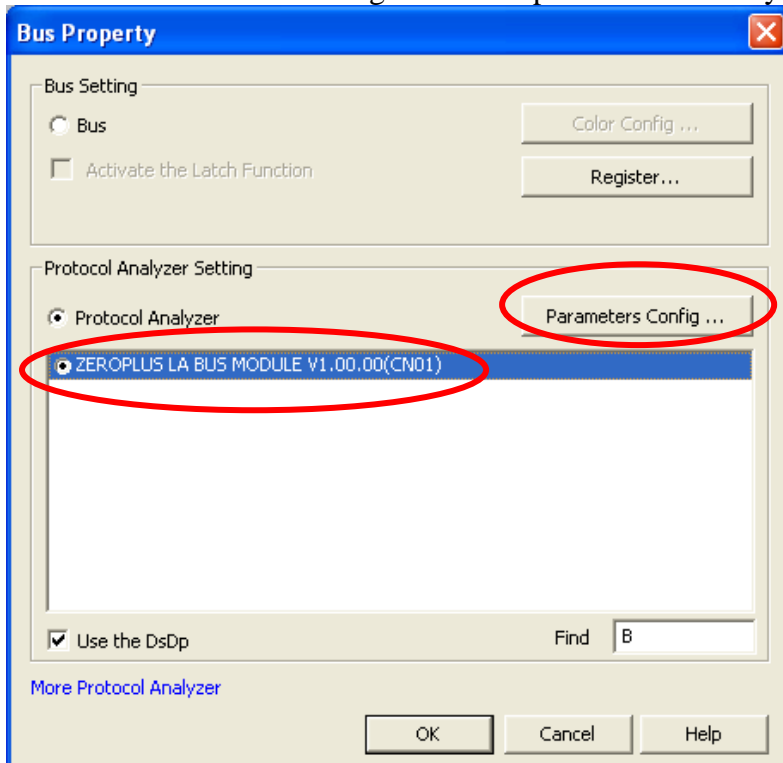


STEP 2. Select **Bus 1**, then press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus** icon on the toolbar to open **Bus Property** dialog box.

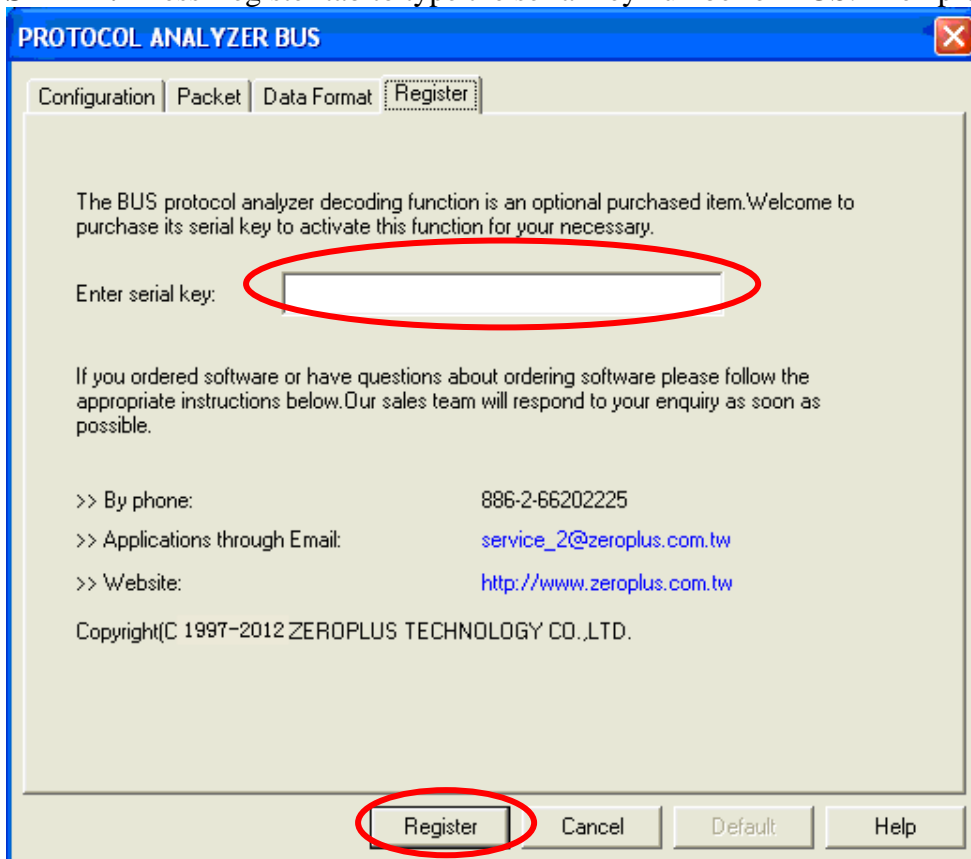




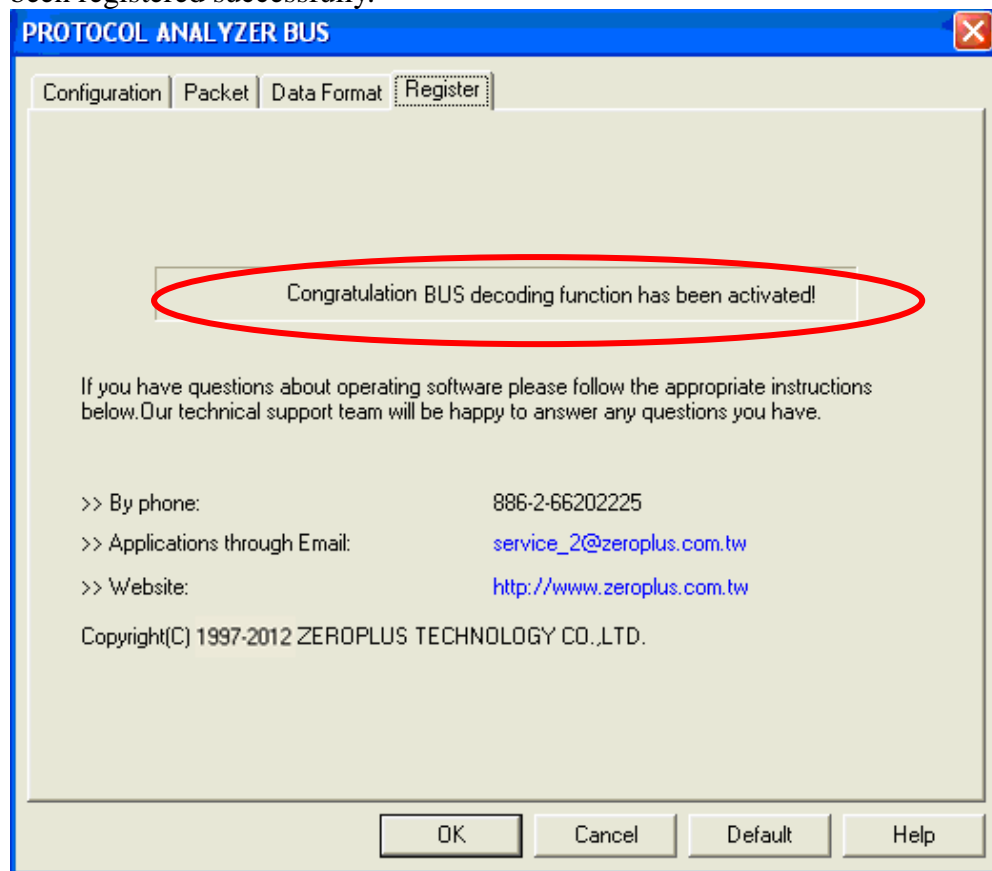
STEP 3. Select the Protocol Analyzer, and then choose **ZEROPLUS LA BUS MODULE V1.00.00 (CN01)**. Next click Parameters Configuration to open Protocol Analyzer Bus dialog box.



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



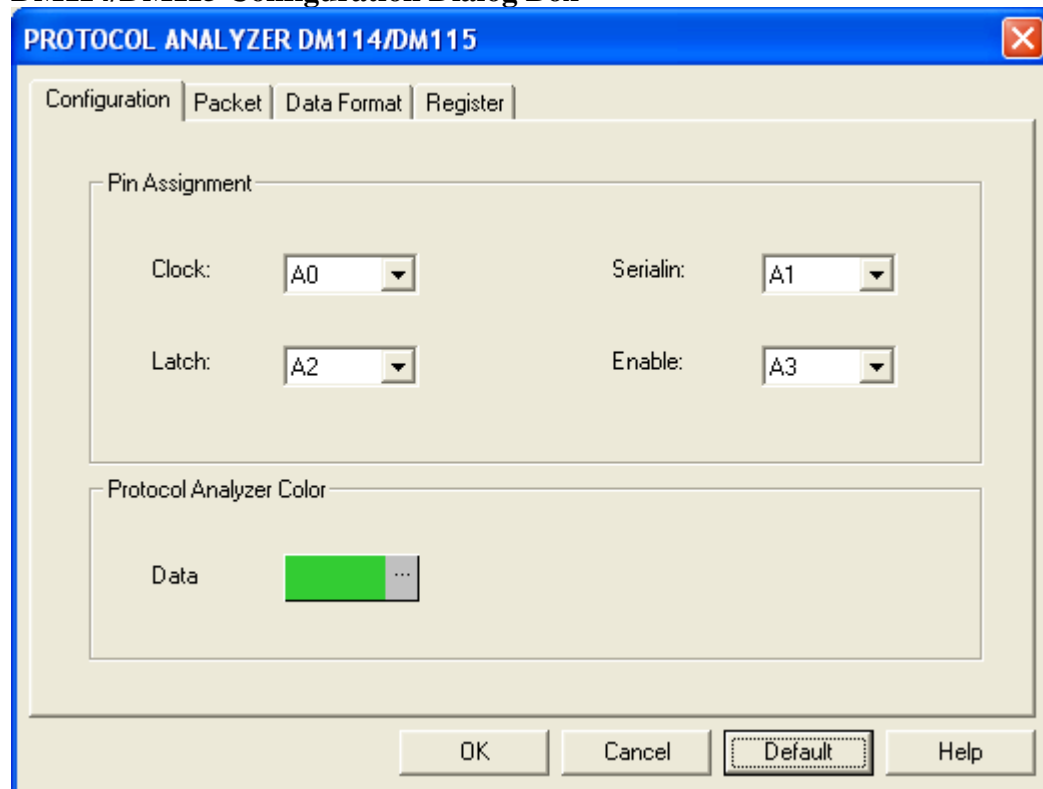
STEP 5. After pressing the Register button, following dialog box will appear, it denotes that the BUS has been registered successfully.



2 User Interface

In the configuration, please refer to below images to select options of setting **DM114/DM115** module.

DM114/DM115 Configuration Dialog Box



Pin Assignment:

Protocol Analyzer DM114/DM115 needs four channels to do related decoding.

Clock: It is the Clock channel.

Serialin: It is the Serial In channel.

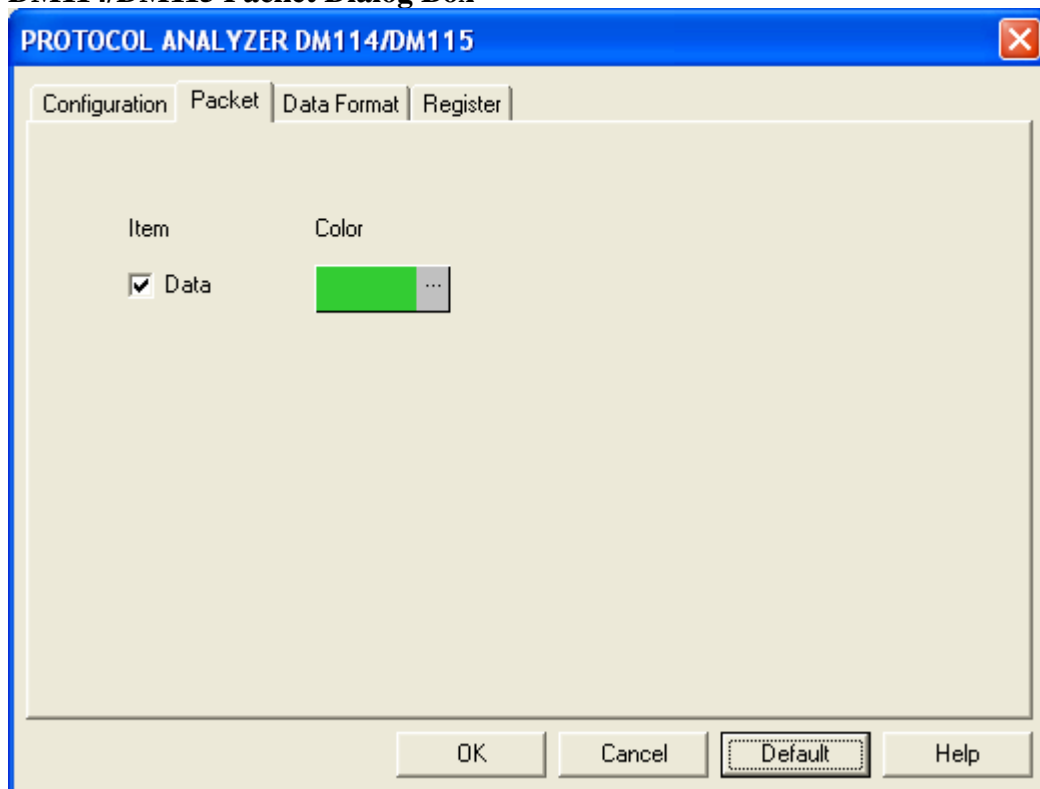
Latch: It is the Latch channel (latch the signal that is in low level).

Enable: It is the effective channel for data outputting (it is effective to output the data that is in low level).

Protocol Analyzer Color:

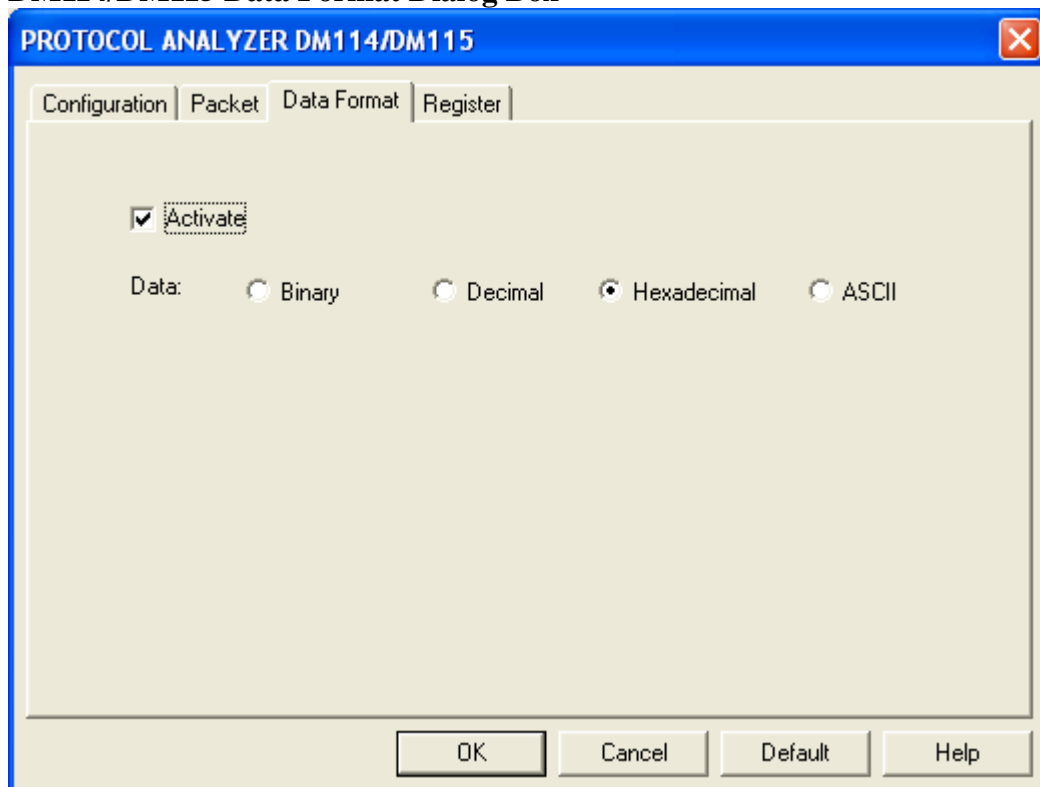
The protocol analyzer colors can be varied by users.

DM114/DM115 Packet Dialog Box



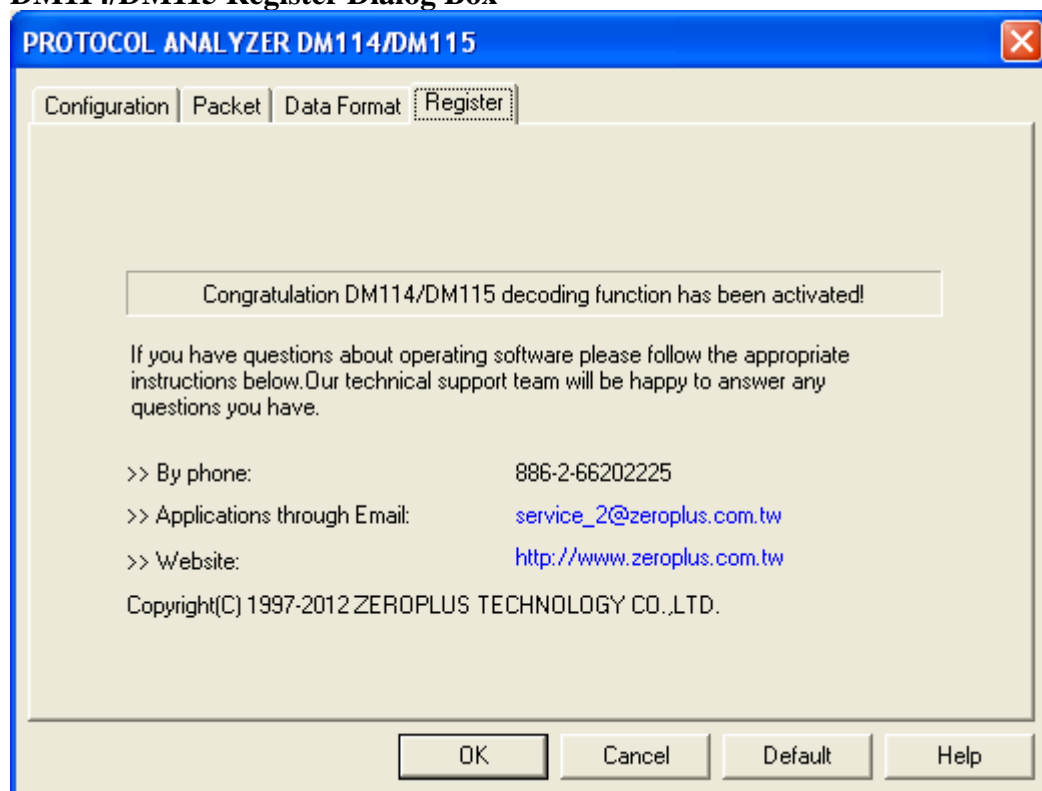
In the Packet dialog box, users can set the items to be displayed and the color of items.

DM114/DM115 Data Format Dialog Box



Users can set the Data Format of the Data 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.

DM114/DM115 Register Dialog Box



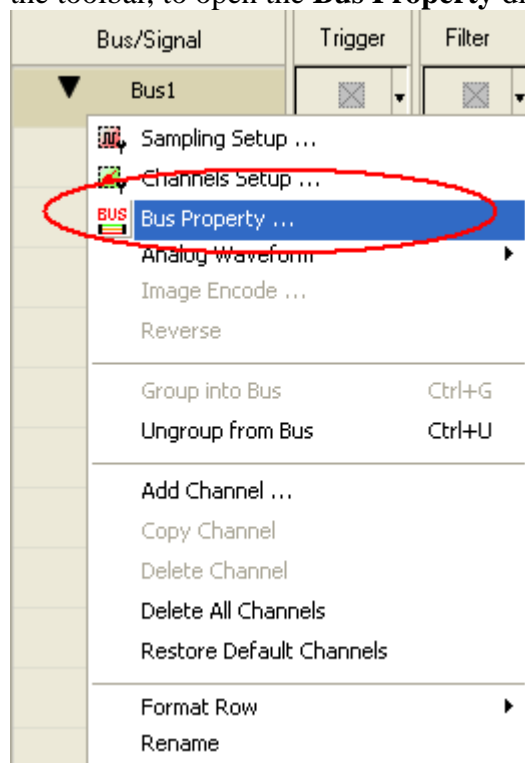
There is ZeroPlus company information. If you have any questions about software operations, you can contact ZeroPlus by Telephone or Email.

3 Operating Instructions

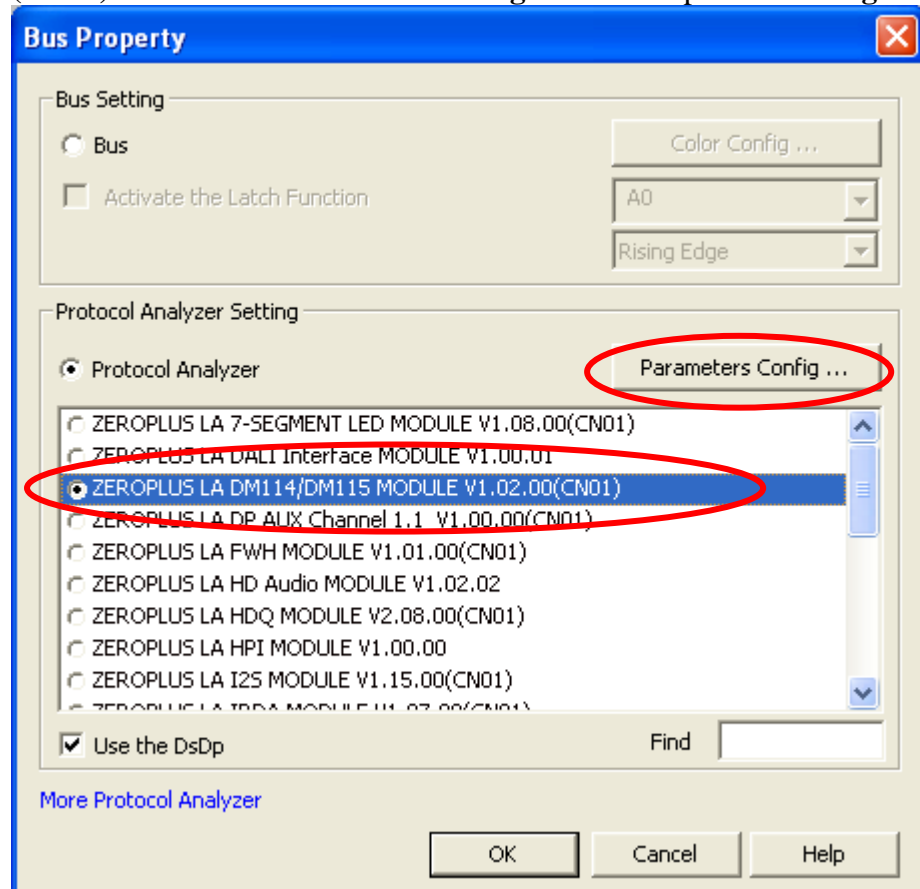
STEP 1. Group A0-A3 into **Bus1** by pressing the **Right Key** on the mouse. DM114/DM115 needs four channels to decode signal, so it is necessary to group four or more channels into a Bus.



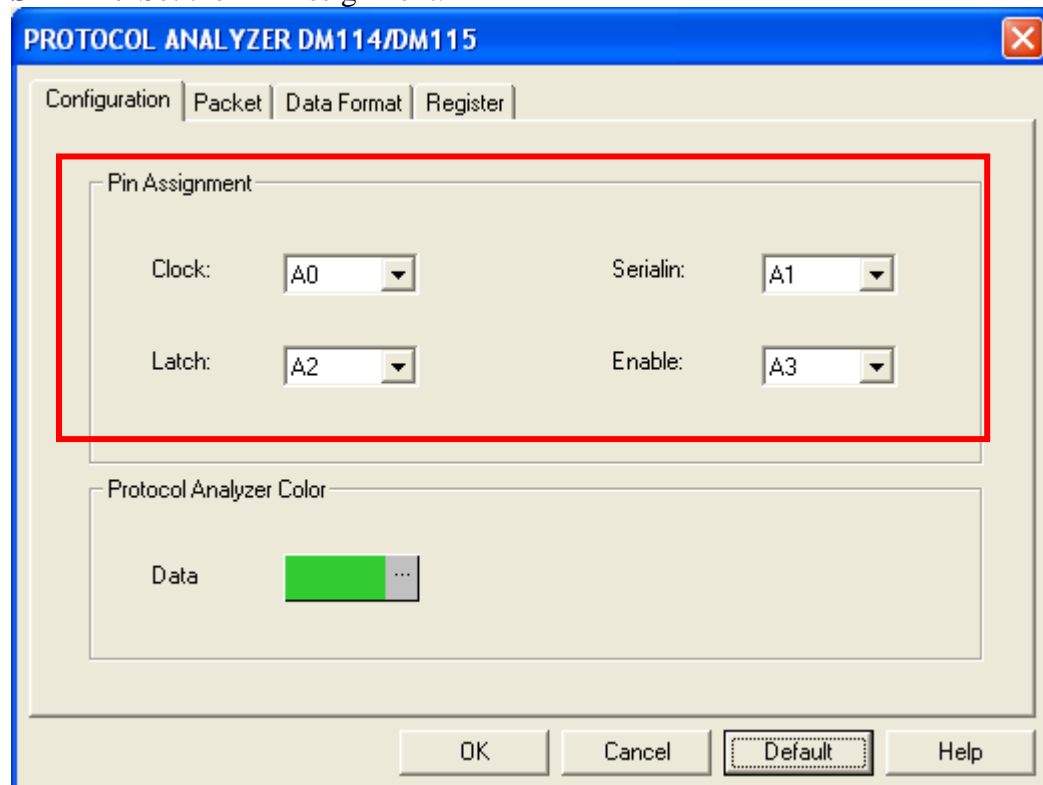
STEP 2. Select **Bus1**, press right key and select **Bus Property** from the popup menu, or click the **Bus** icon on the toolbar, to open the **Bus Property** dialog box.



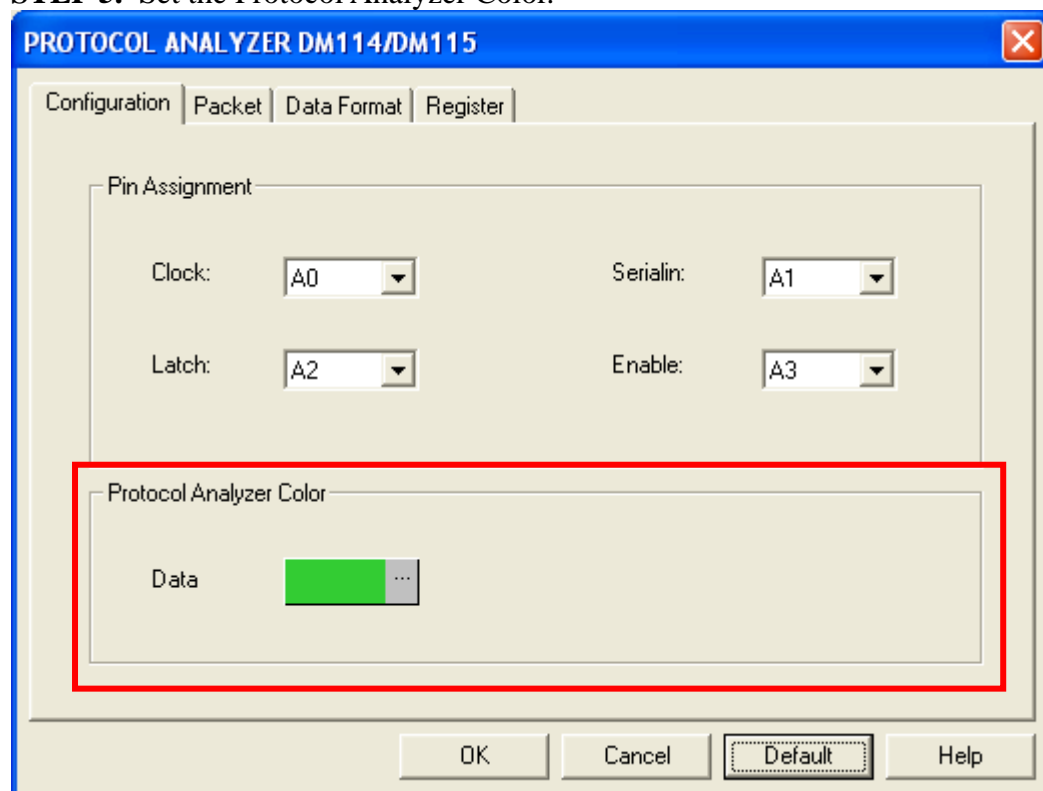
STEP 3. Select Protocol Analyzer, then select **ZEROPLUS LA DM114/DM115 MODULE V1.02.00 (CN01)**. Next click **Parameters Configuration** to open the **Configuration** dialog box.



STEP 4. Set the Pin Assignment.

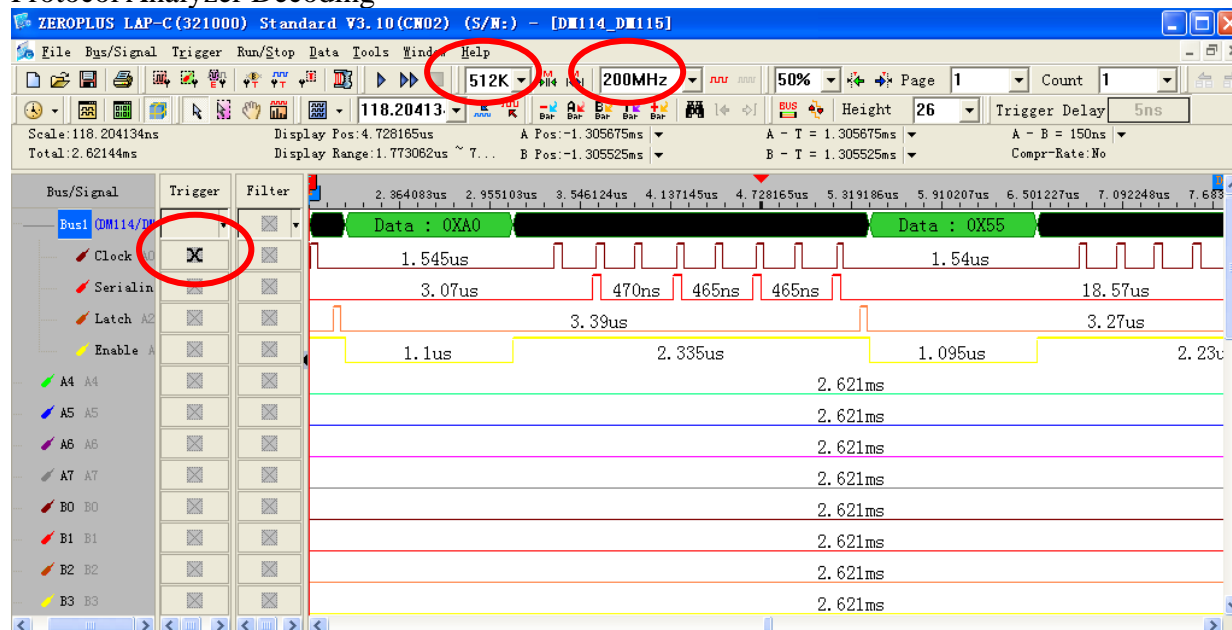


STEP 5. Set the Protocol Analyzer Color.



STEP 6. Following pictures show the completion of the protocol analyzer decoding and packet list. The trigger condition is set as Either Edge; the memory depth is 512K; the sampling frequency is 200MHz (the sampling frequency should be more than eight times higher than the signal to be tested).

Protocol Analyzer Decoding





Packet List

