



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

SPECIFICATION

MODEL: B08010-LAP-3-WIRE-M

PART NO : _____

VERSION : V1.04

Approver		Check	Design
GM	PM		

Customer Confirm

* Please fax the file to
Zeroplus Technology after
signing.

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Content

1	Software Register	3
2	User Interface	6
3	Operating Instructions	9



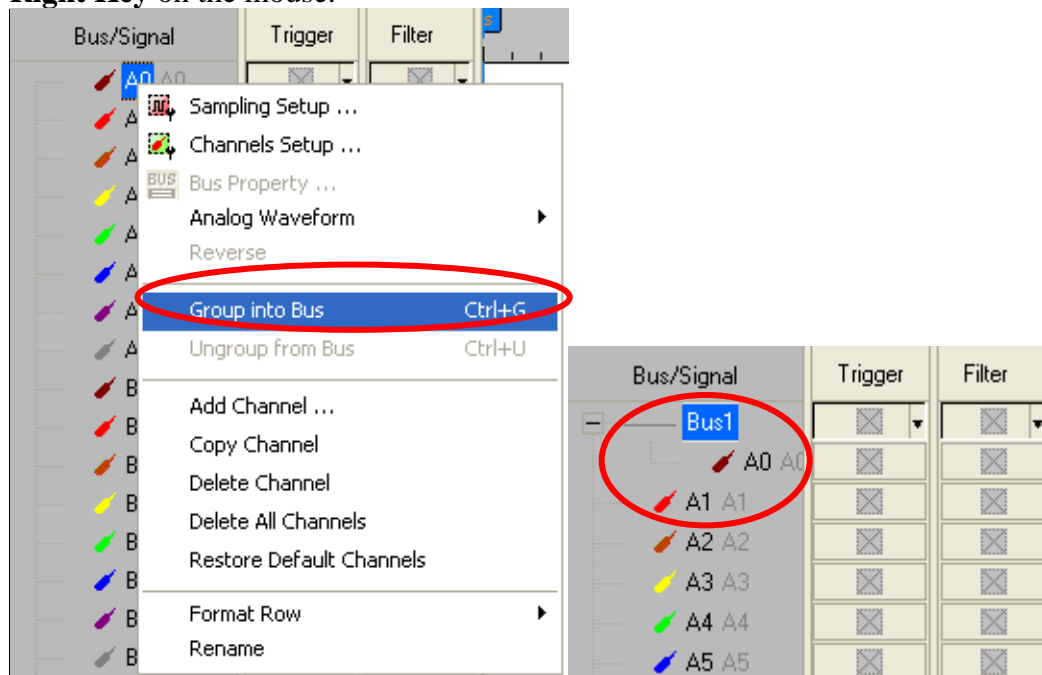
1 Software Register

Please register the software as the following steps:

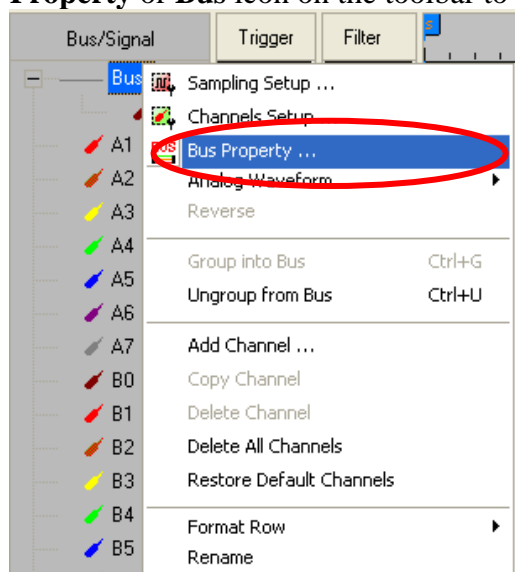
※ Remark1: The registration steps for all protocol analyzers are the same; you can complete the registration by following procedures. Following is an example on how to register the Protocol Analyzer BUS.

※ 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.

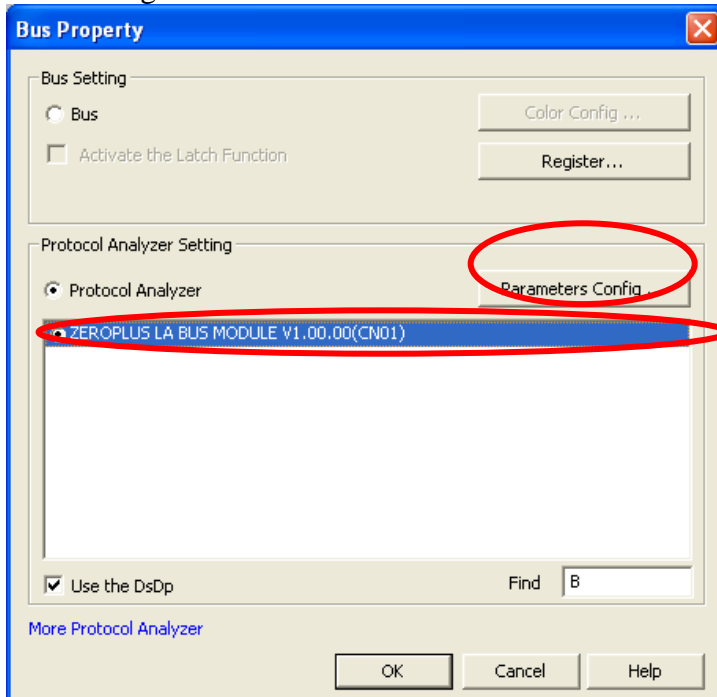


STEP 2. Select **Bus1**, and press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus** icon on the toolbar to open **Bus Property** dialog box.

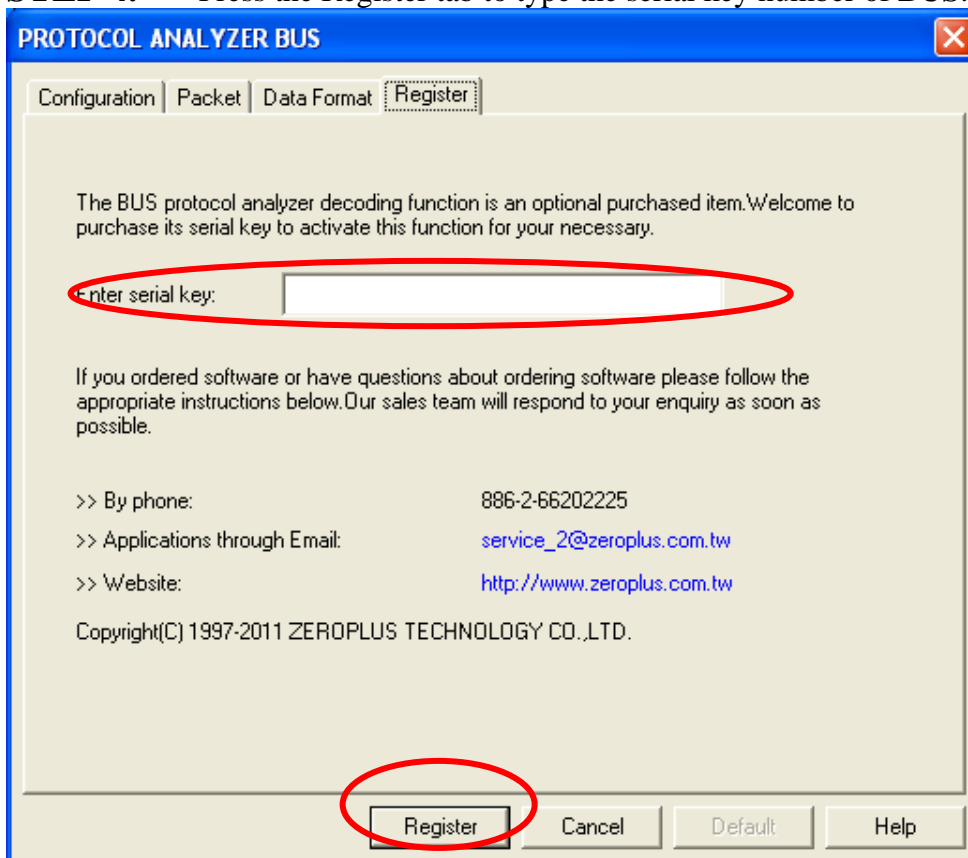




STEP 3. Select Protocol Analyzer, and then choose **ZEROPLUS LA BUS MODULE V1.00.00(CN01)**. Next click **Parameters Configuration** to open the **PROTOCOL ANALYZER BUS** dialog box.

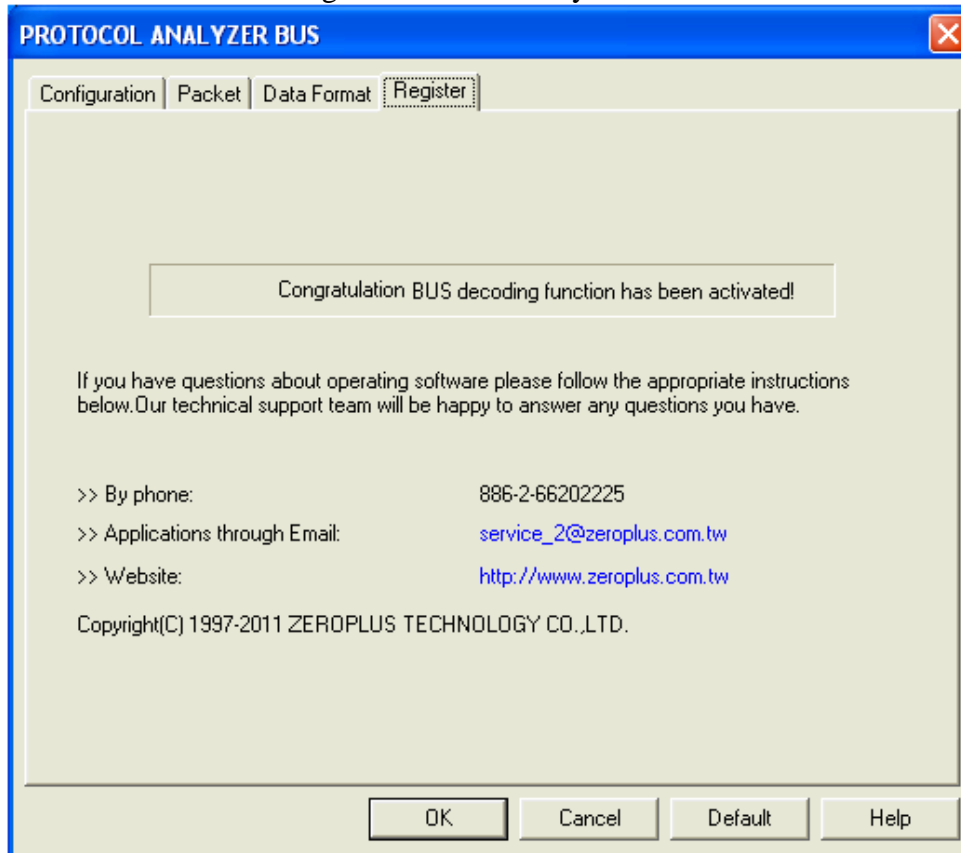


STEP 4. Press the Register tab to type the serial key number of **BUS**. Then, press **Register**.





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

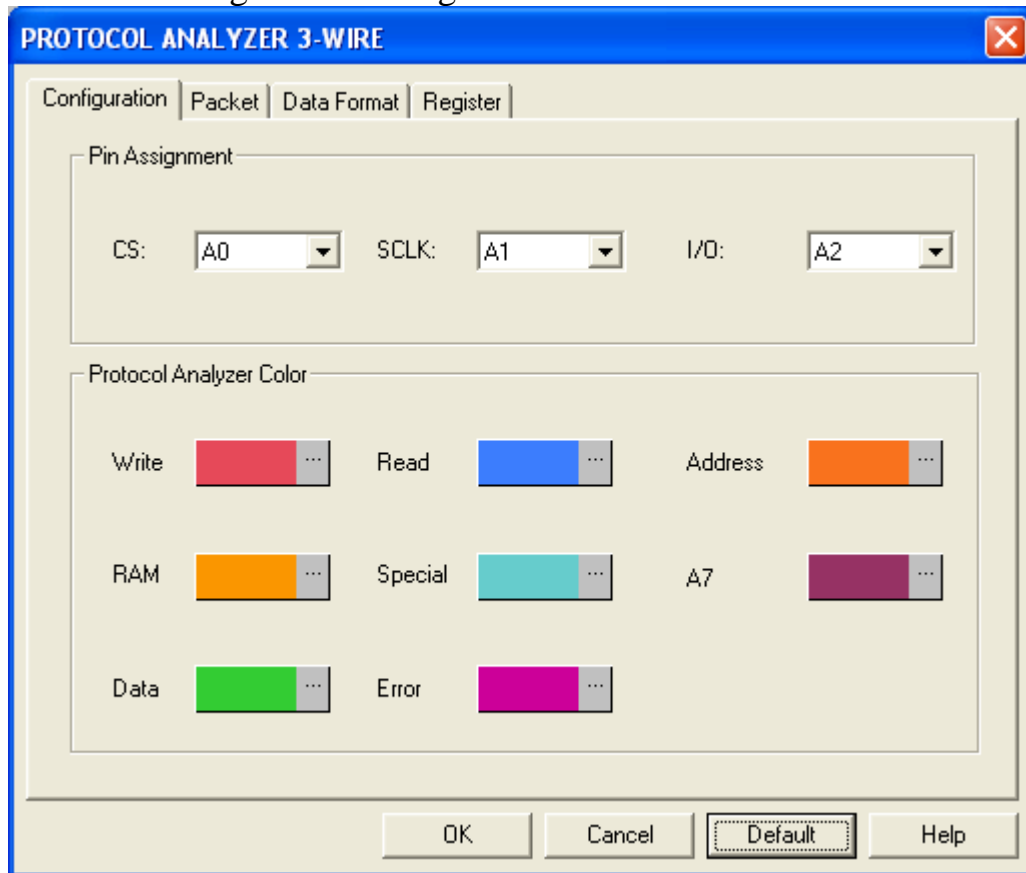




2 User Interface

Please refer to the below images to select options of setting **3-WIRE MODULE**.

3-WIRE Configuration dialog box



Pin Assignment:

Channel selection of Protocol Analyzer 3-WIRE:

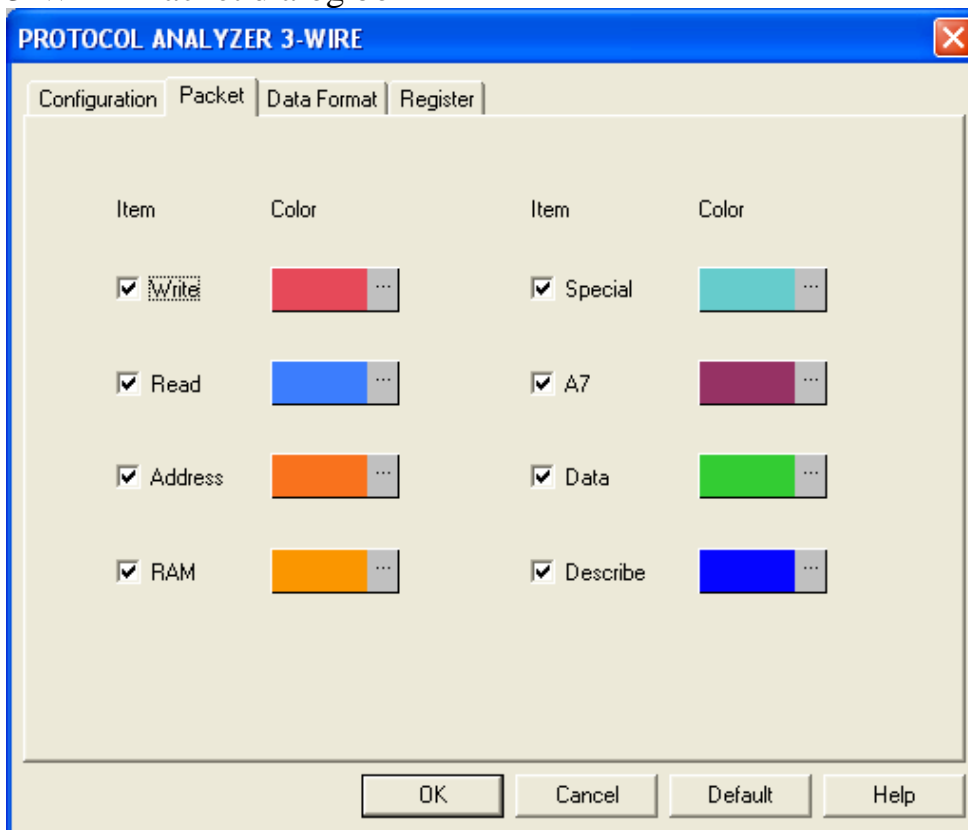
1. CS is the chip selection signal line, and its default is A0.
2. SCLK is the clock signal line, and its default is A1.
3. I/O is the data transmission line, and its default is A2.

Protocol Analyzer Color:

The Protocol Analyzer Color can be varied by users.

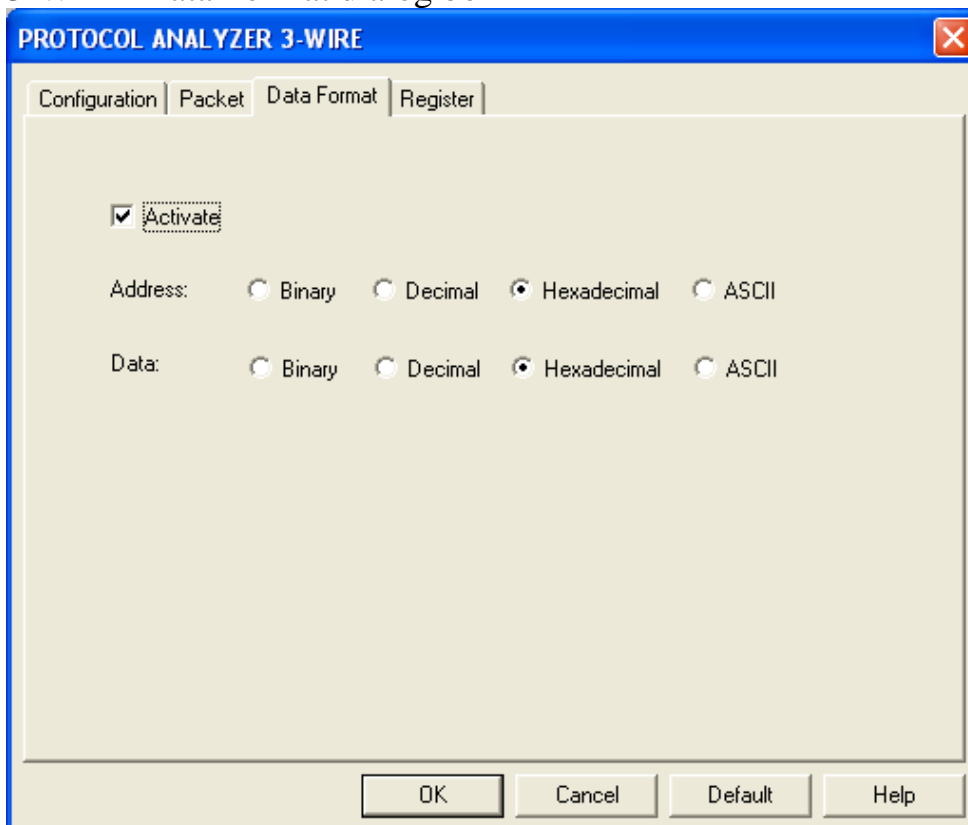


3-WIRE Packet dialog box



In the Packet part, users can vary the displaying items and the packet color.

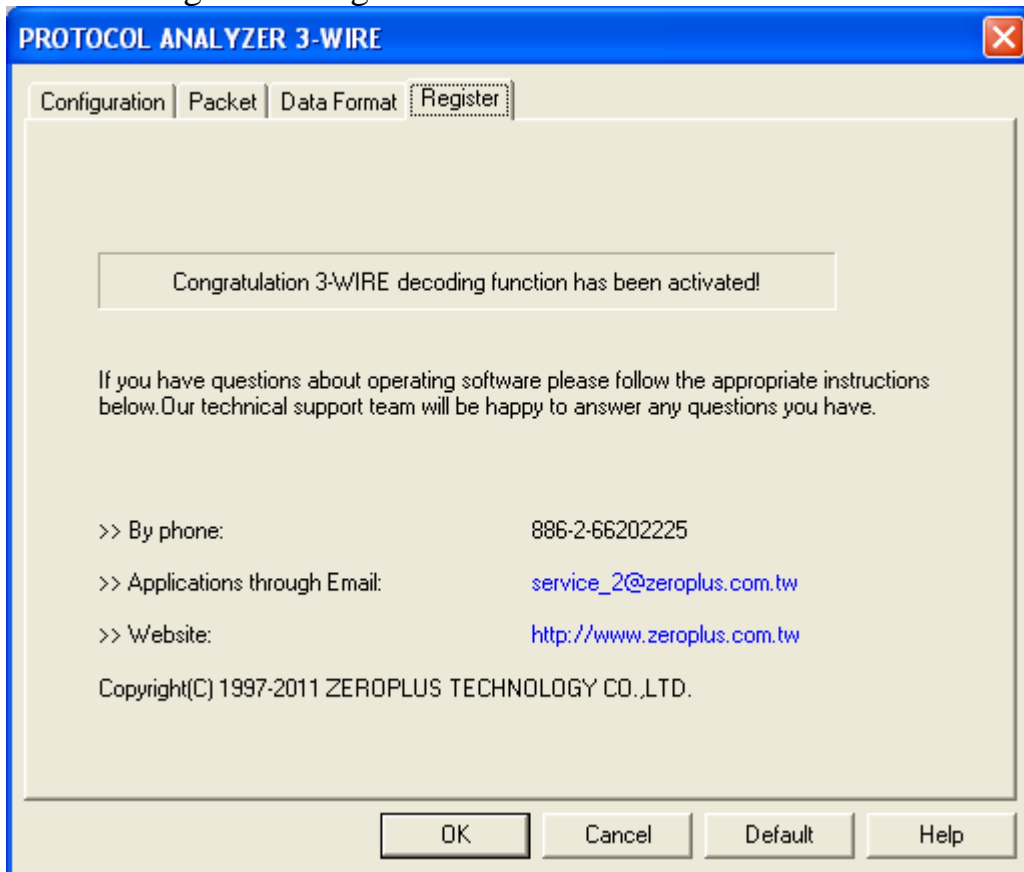
3-WIRE Data Format dialog box





Users can set the Data Format of the ATR, Address, Outgoing Data, Control, Input Data, No Effect 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.

3-WIRE Register dialog box

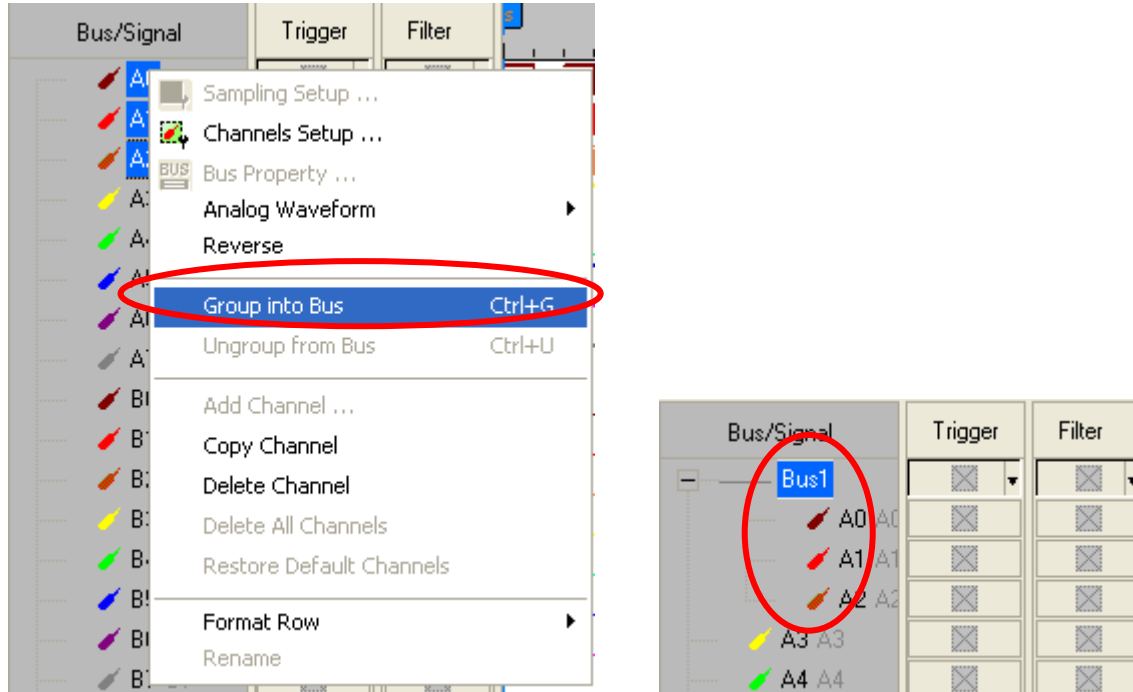


There is ZeroPlus company information. If you have any questions about software operations, you can contact ZeroPlus by Telephone or Email.

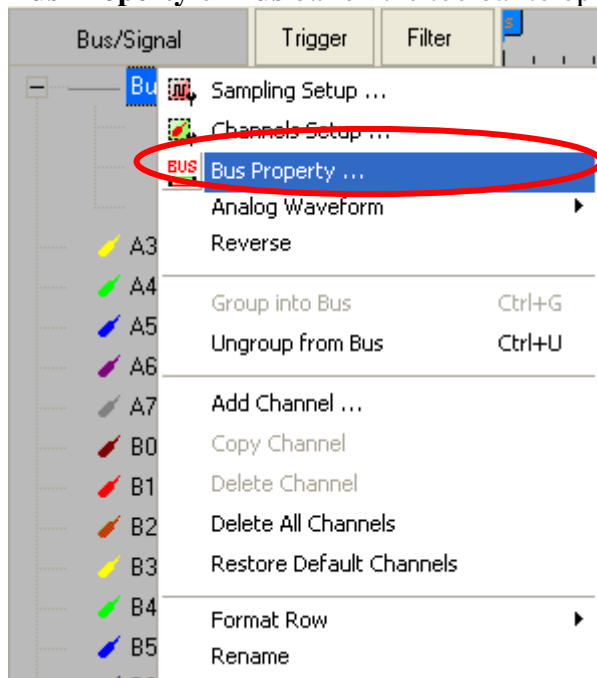


3 Operating Instructions

STEP 1. Group the A0~A2 channel into **Bus1** by pressing the **Right Key** on the mouse. 3-WIRE needs three channel to decode signals, so it is necessary to group three or more channels into a Bus at least.

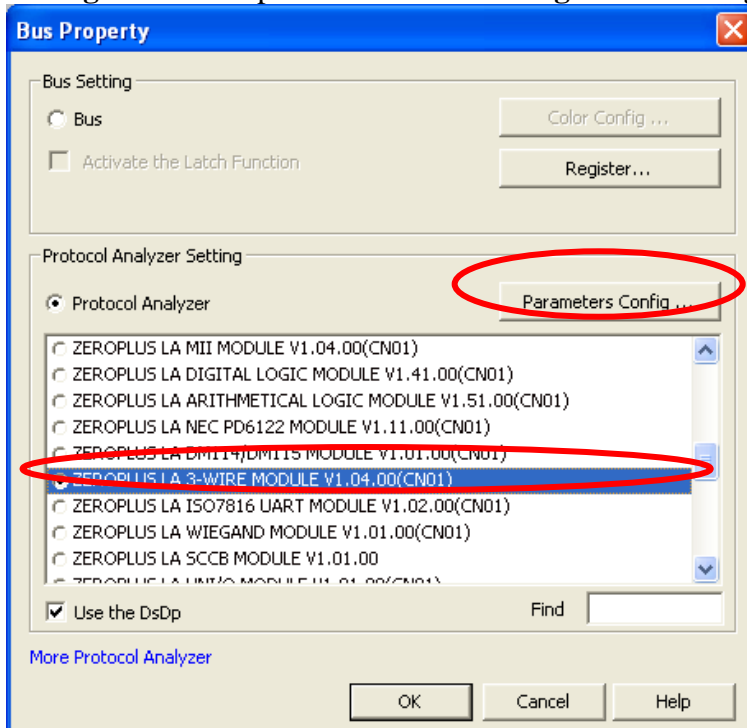


STEP 2. Select **Bus1**, then press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus** bar on the toolbar to open **Bus Property** dialog box.

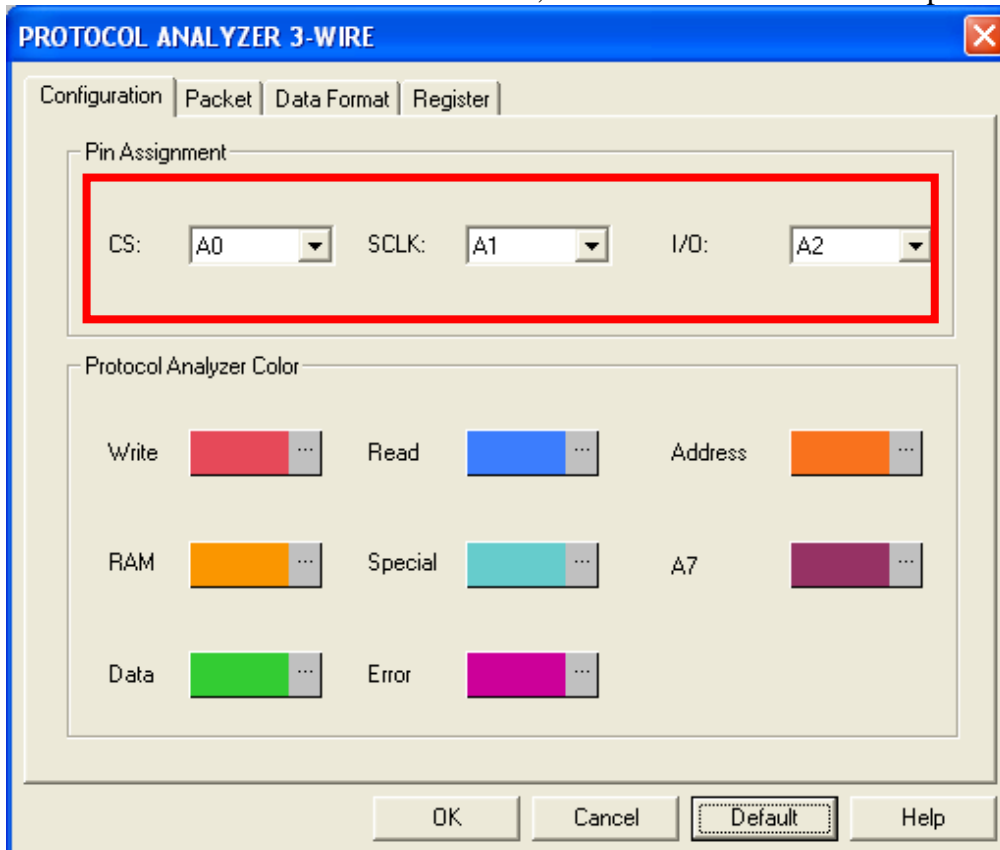




STEP 3. For Protocol Analyzer 3-WIRE Parameters Configuration, select Protocol Analyzer, and then choose **ZEROPLUS LA 3-WIRE MODULE V1.04.00(CN01)**, next click **Parameters Configuration** to open **Parameters Configuration** dialog box.

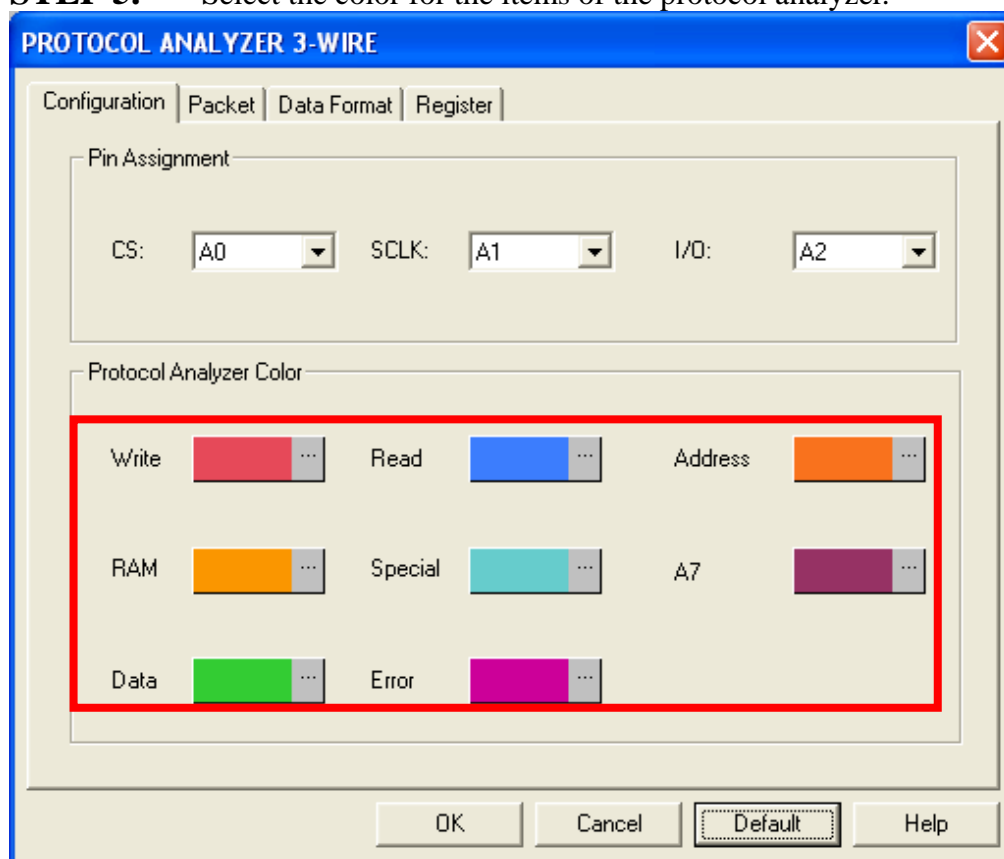


STEP 4. Select the channels for CS, SCLK and I/O from their dropdown menus.



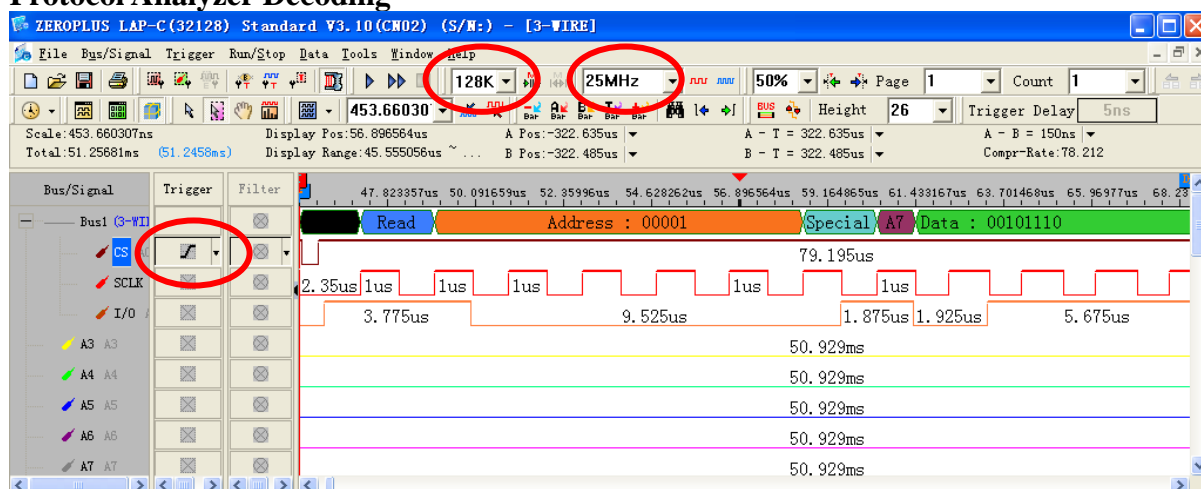


STEP 5. Select the color for the items of the protocol analyzer.



STEP 6. 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

