



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

SPECIFICATION

MODEL: DMX512 Specification

PART NO : 028 _____

VERSION : V1.30 _____

Approver		Check	Design
GM	PM		

Customer Confirm

* Please fax the file to
ZeroPlus Technology after
signing .

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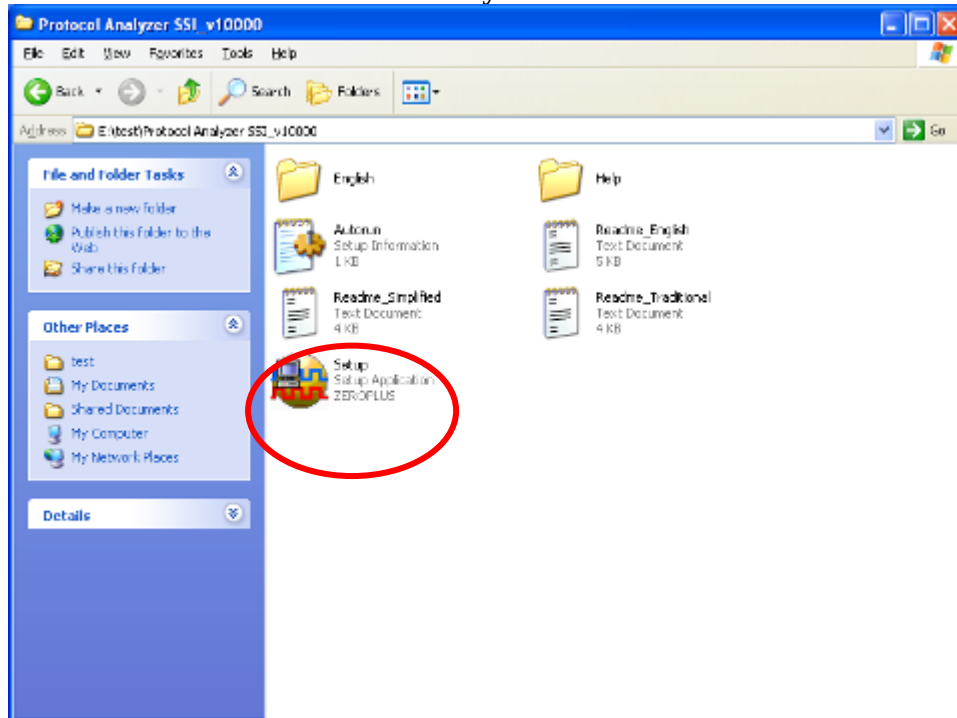


1 Software Installation

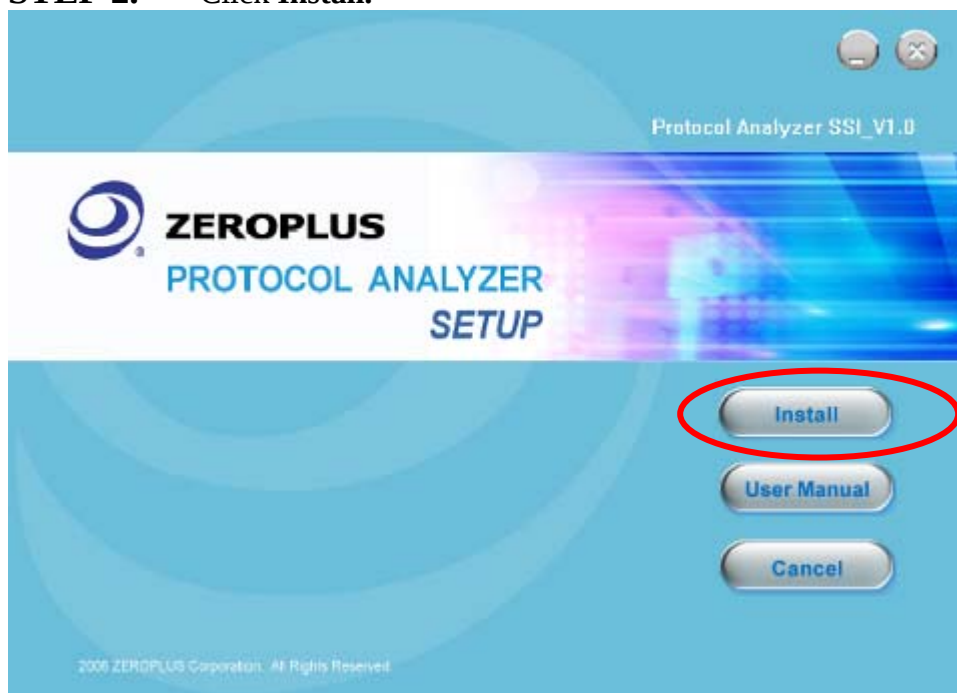
Please install the software as the following steps:

- ※ Remark: 1. The installation steps for all protocol analyzers are the same; you can complete the installation by following procedures. Following is an example on how to install protocol analyzer SSI.
- ※ Remark: 2. 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. Install Protocol Analyzer Module.

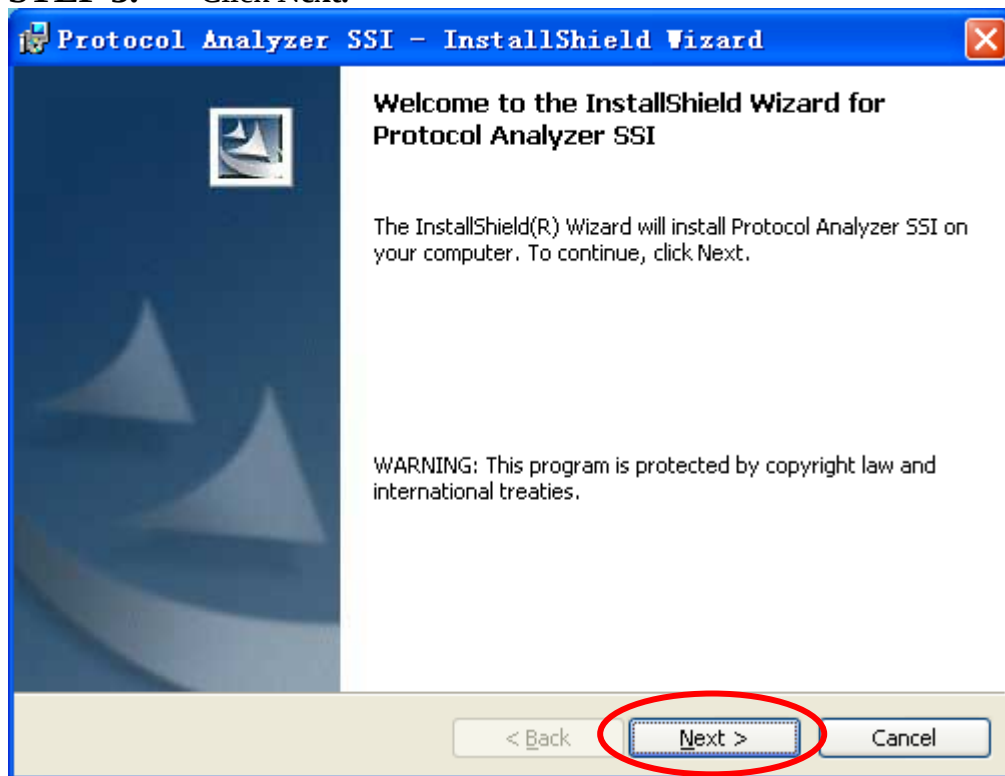


STEP 2. Click Install.

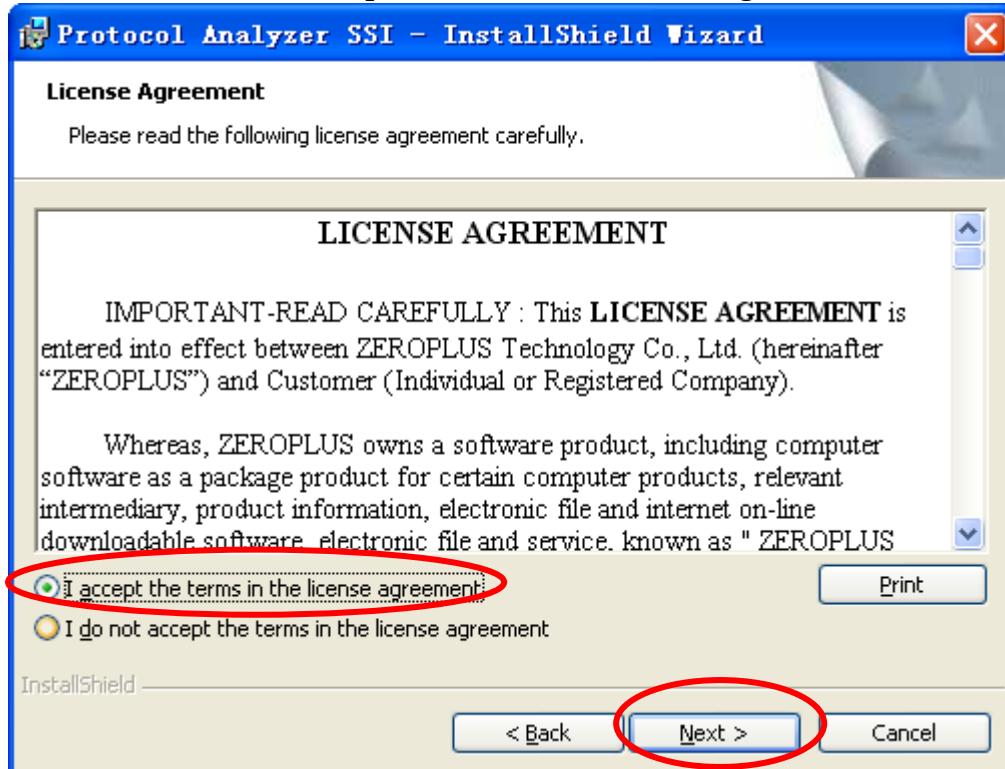




STEP 3. Click Next.



STEP 4. Select **I accept the terms in the license agreement**, and then press Next.





STEP 5. Fill in users' information in the below dialog box and click **Next**.

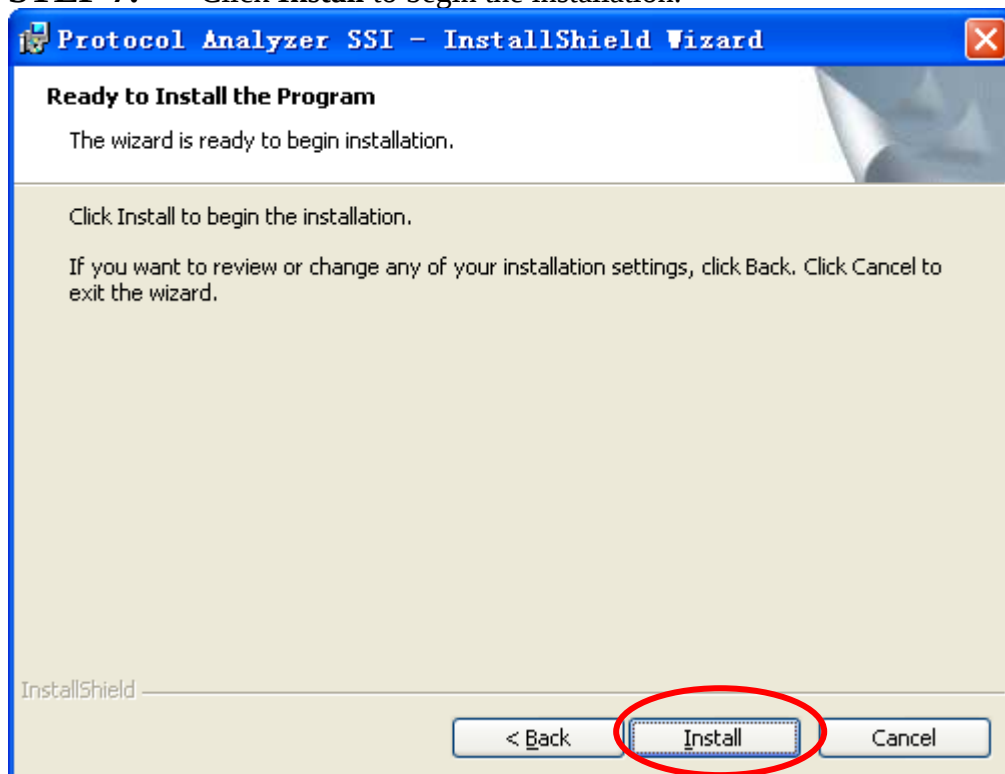
The dialog box is titled "Protocol Analyzer SSI - InstallShield Wizard". It has a blue title bar with a close button. The main area is titled "Customer Information" and contains the text "Please enter your information." Below this are two text input fields: "User Name:" with the value "sunshine" and "Organization:" with the value "zeroplus". There are two radio button options: "Anyone who uses this computer (all users)" which is selected, and "Only for me (sunshine)". At the bottom, there are three buttons: "< Back", "Next >" (which is circled in red), and "Cancel". The "InstallShield" logo is visible in the bottom left corner.

STEP 6. First, select **Complete** and then click **Next**.

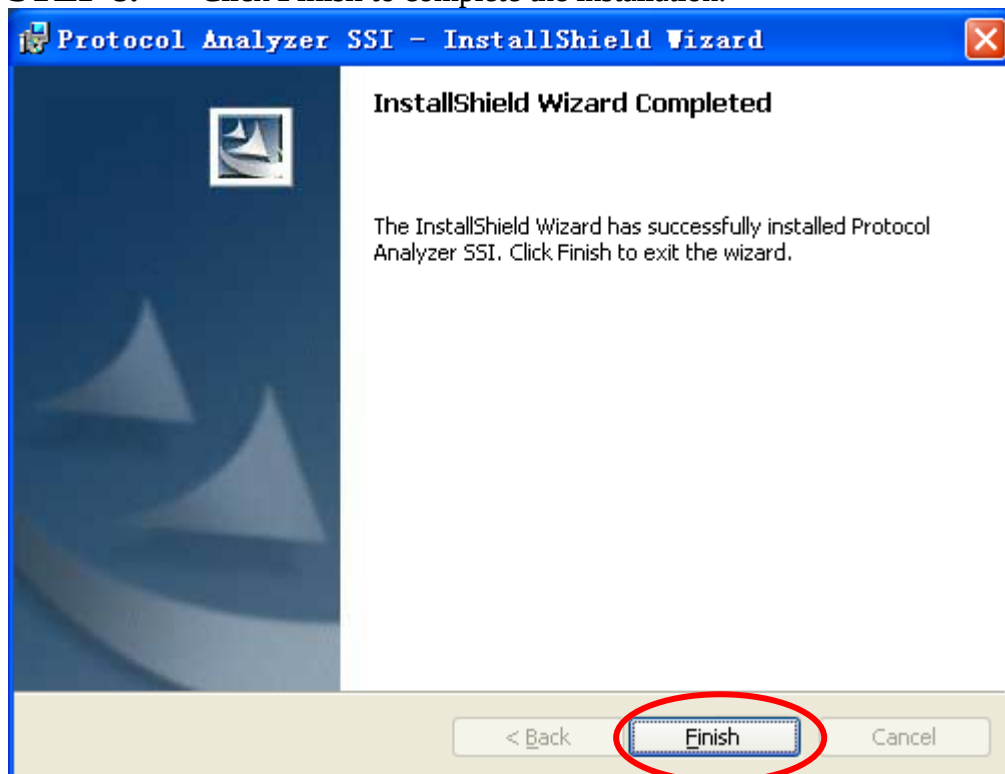
The dialog box is titled "Protocol Analyzer SSI - InstallShield Wizard". It has a blue title bar with a close button. The main area is titled "Setup Type" and contains the text "Choose the setup type that best suits your needs." Below this is the text "Please select a setup type." There are two radio button options: "Complete" which is selected, and "Custom". Each option has a small icon of a computer with a red 'X' and a description: "All program features will be installed. (Requires the most disk space.)" for Complete, and "Choose which program features you want installed and where they will be installed. Recommended for advanced users." for Custom. At the bottom, there are three buttons: "< Back", "Next >" (which is circled in red), and "Cancel". The "InstallShield" logo is visible in the bottom left corner.



STEP 7. Click **Install** to begin the installation.



STEP 8. Click **Finish** to complete the installation.





2 User Interface

Please refer to below images to select options of setting **DMX512 MODULE**.

DMX512 Configuration dialog box



Pin Assignment:

There are two channels (D+ or D-) for selection; the decoding item includes D+ Decoding and D- Decoding.

Format Setting

There are Standard Format and Extension Format for selection in this part.

Sampling Setting

The baud rate can be set as users' requirements within 50Kbps ~1000Kbps; users can vary the baud rate or enter a value as their requirements. At the same time, users can activate the function, **Find baud rate automatically**, to find the baud rate automatically to display the value of the baud rate on the dialog box.

CD Setting

The length can be set within 128BYTE ~ 2048 BYTE in the Extension Format.

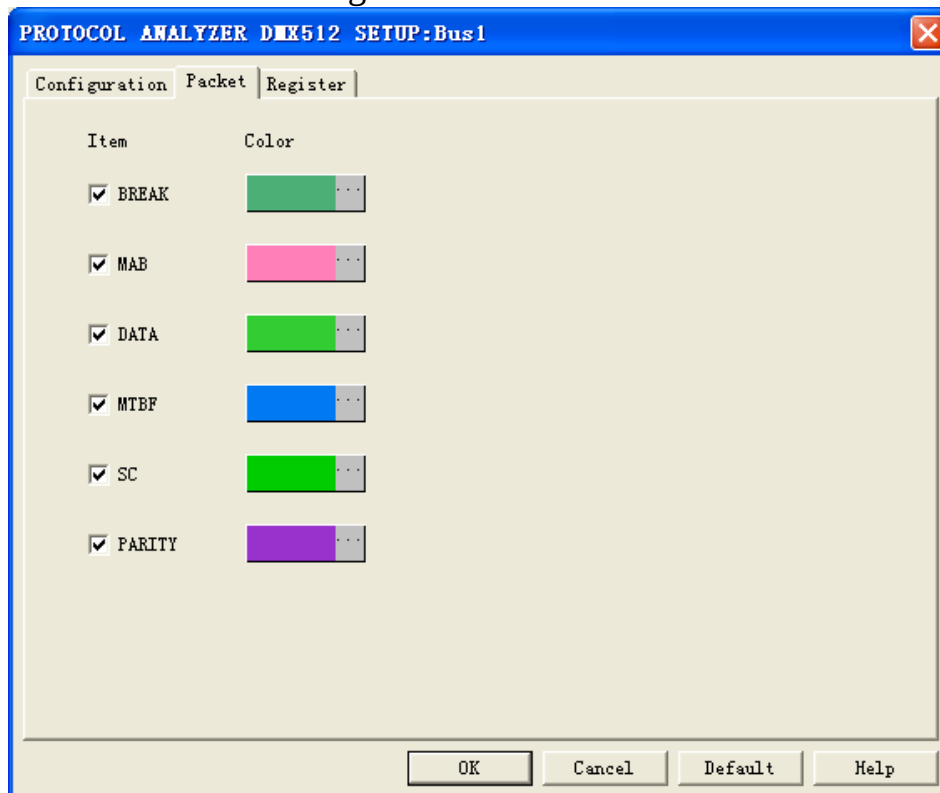
There are None parity, Odd parity and Even parity for **Parity** setting, and the default is None parity.

Protocol Analyzer color

Users can vary the protocol analyzer color.

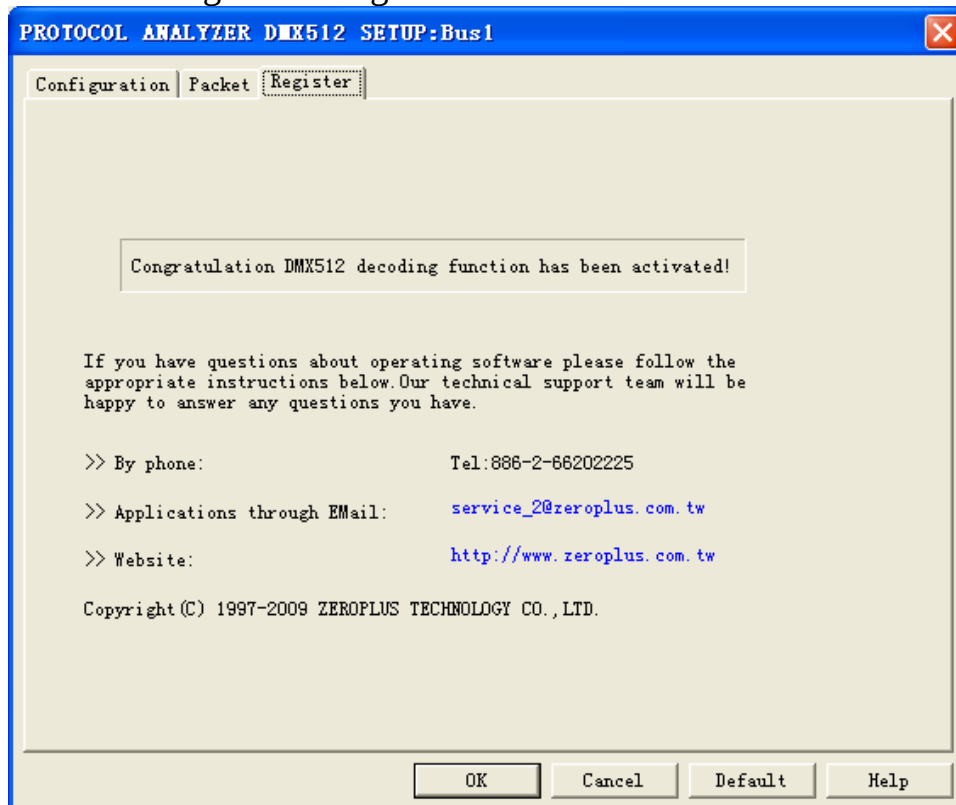


DMX512 Packet dialog box



In the packet dialog box, users can vary the color of items.

DMX512 Register dialog box

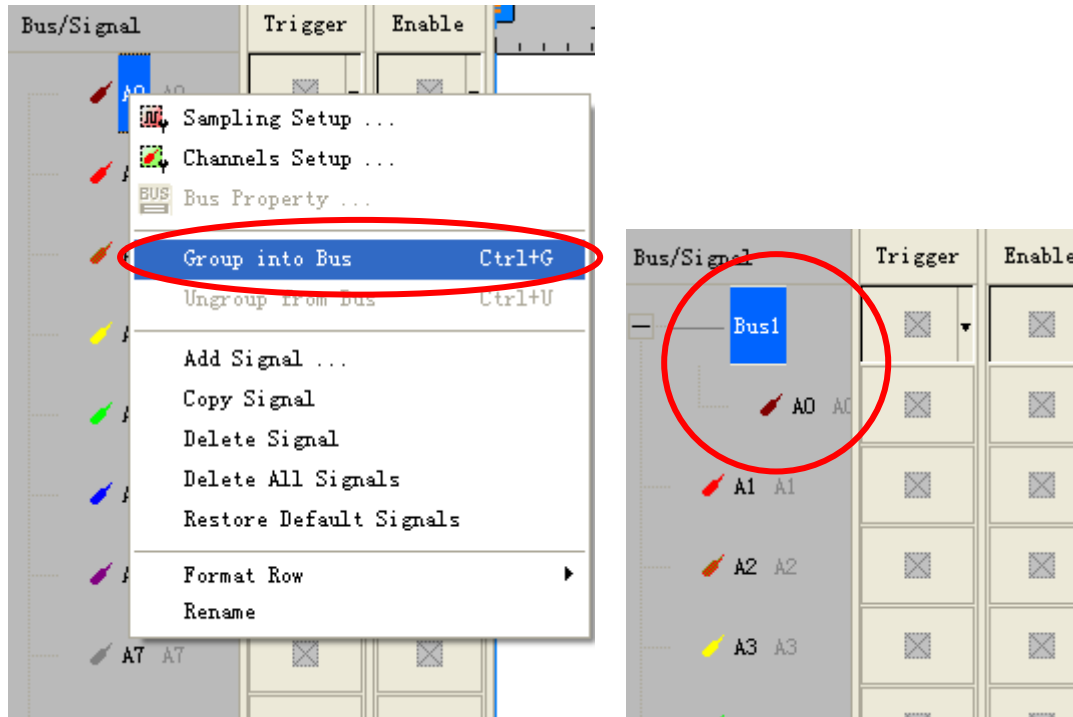


There is ZeroPlus company information. If you have any questions about software operations, please contact ZeroPlus by Telephone or Email.

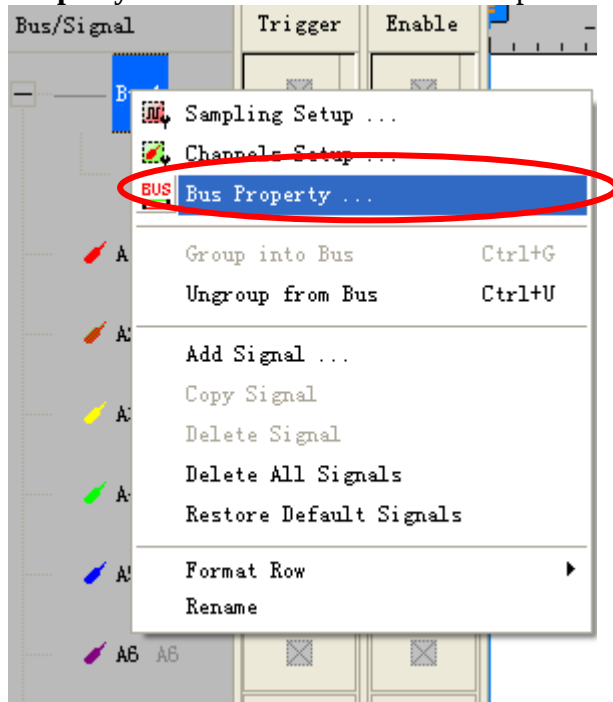


3 Operating Instructions

STEP 1. At first, group the unanalyzed channels into **Bus1** by pressing the **Right Key** on the mouse.

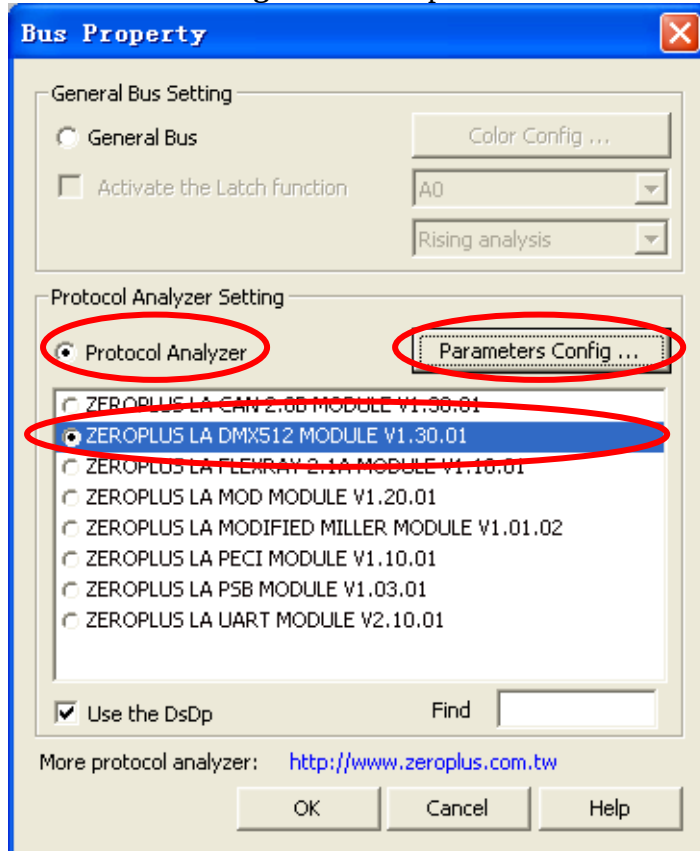


STEP 2. Select **Bus1**, then press **Right key** on the mouse to list menu, then press **Bus Property** or **Bus** bar on the toolbar to open **Bus Property** dialog box.

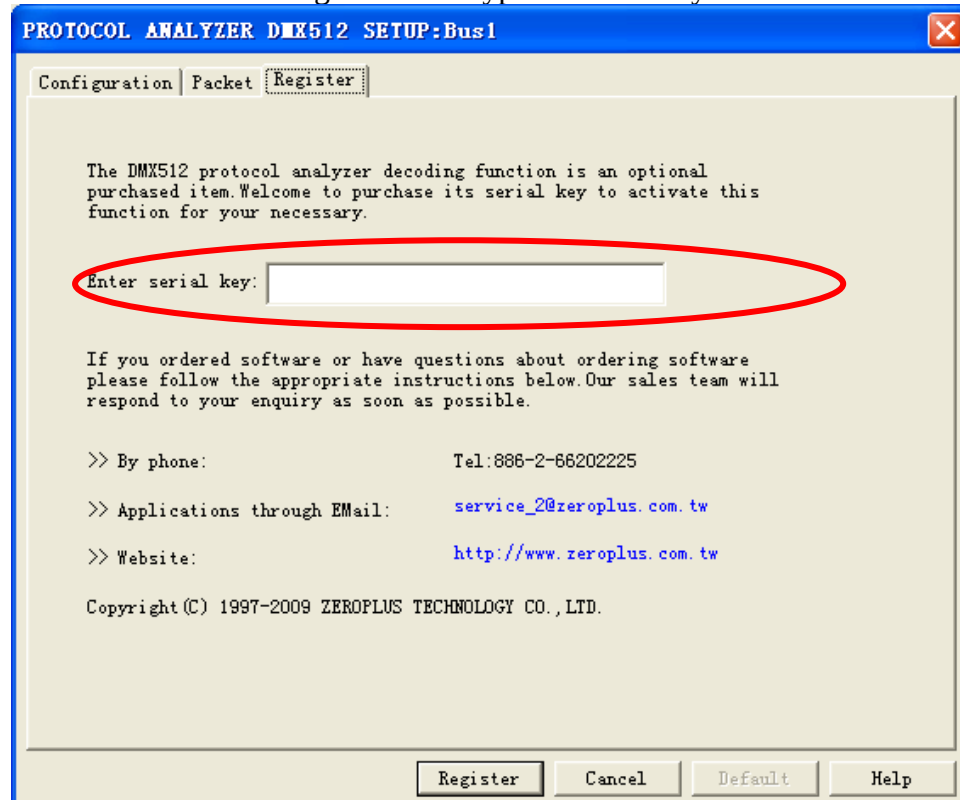




STEP 3. For Protocol Analyzer DMX512 Parameters Configuration, select Protocol Analyzer, and then choose **ZEROPLUS LA DMX512 MODULE V1.30.01**. Next click **Parameters Configuration** to open **Parameters Configuration** dialog box.

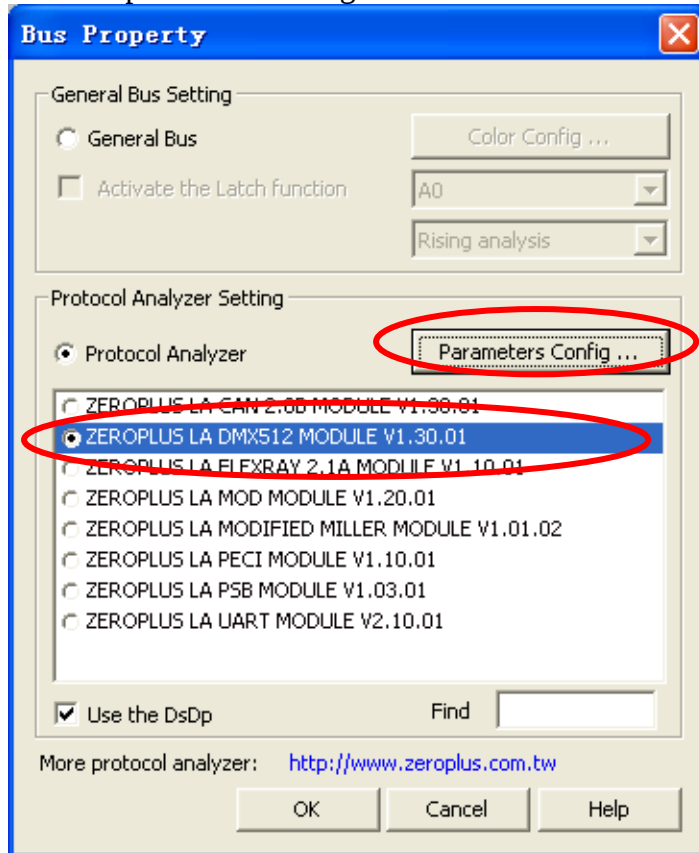


STEP 4. Press Register tab to type the serial key number of DMX512. Then, press **Register**.

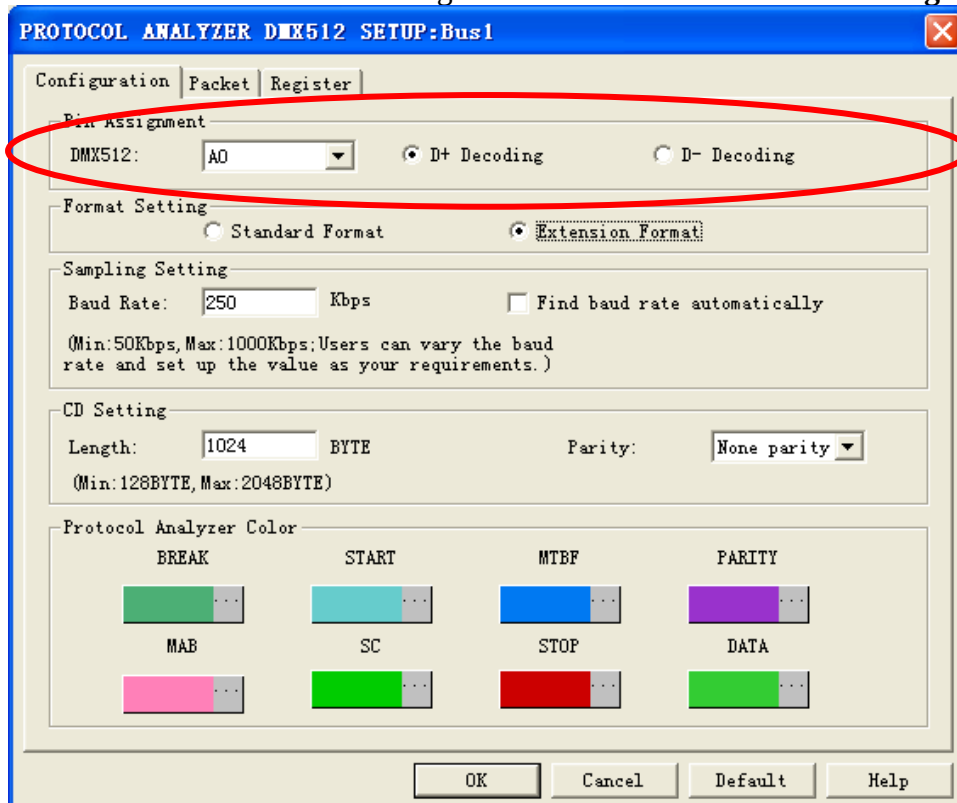




STEP 5. After completing **Register**, come back to the **Bus Property** dialog box, and then click the parameters configuration to start the Protocol Analyzer DMX512 setup.

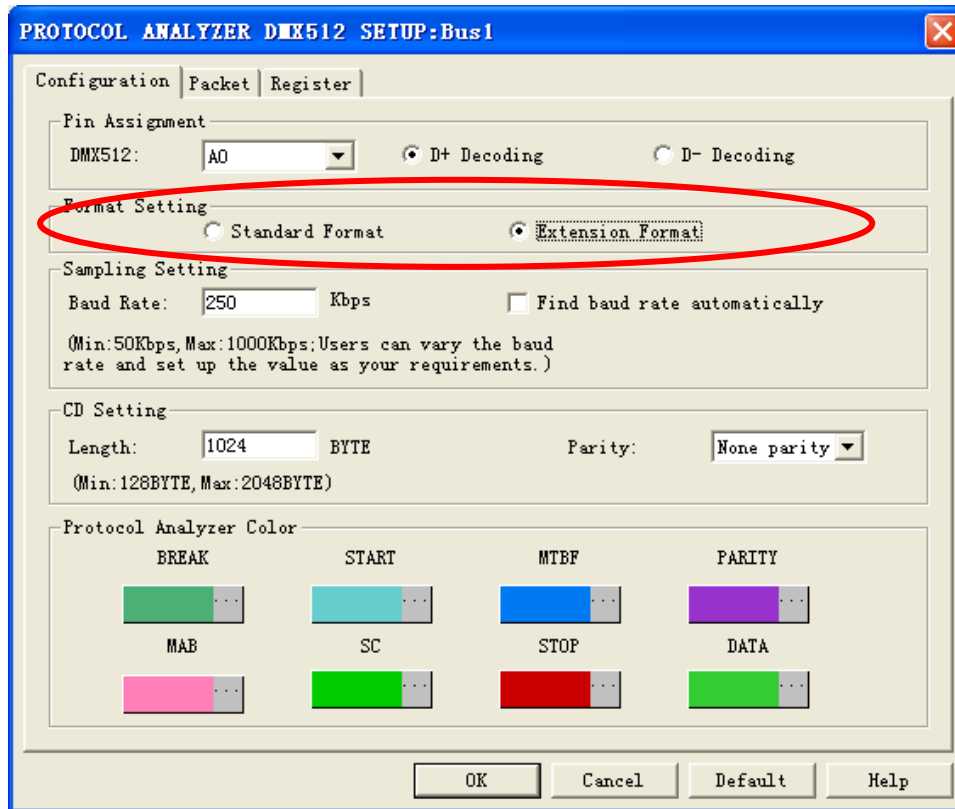


STEP 6. DMX512 Pin Assignment. Users can select **D+ Decoding** or **D- Decoding**.

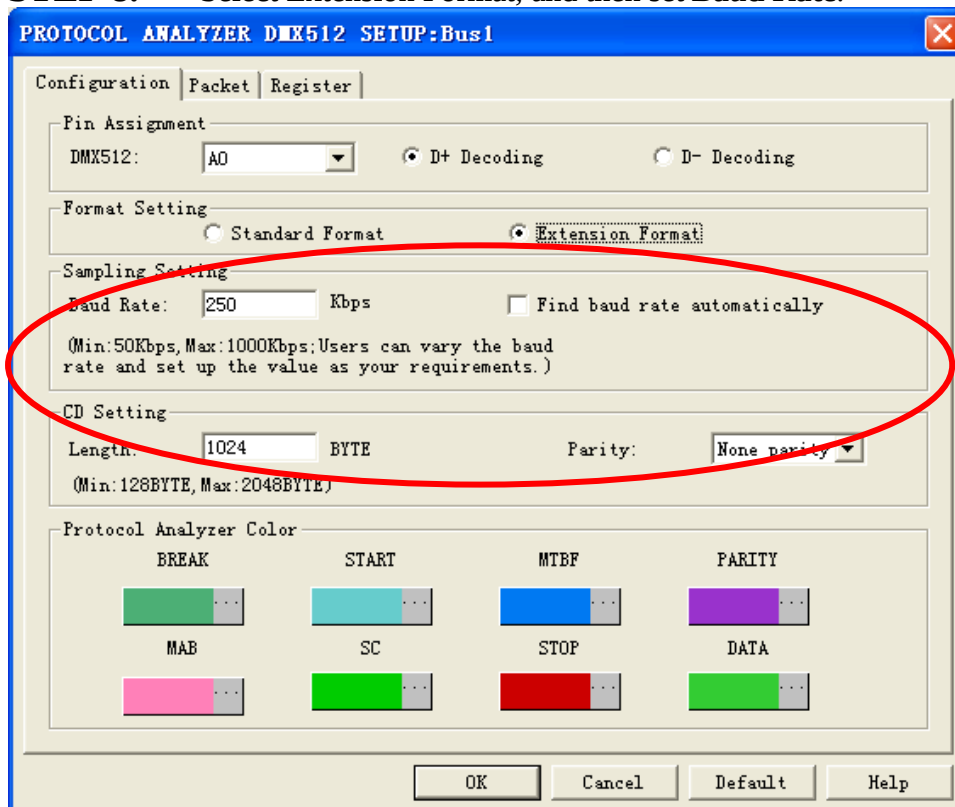




STEP 7. There are Standard Format and Extension Format for **Format Setting**.

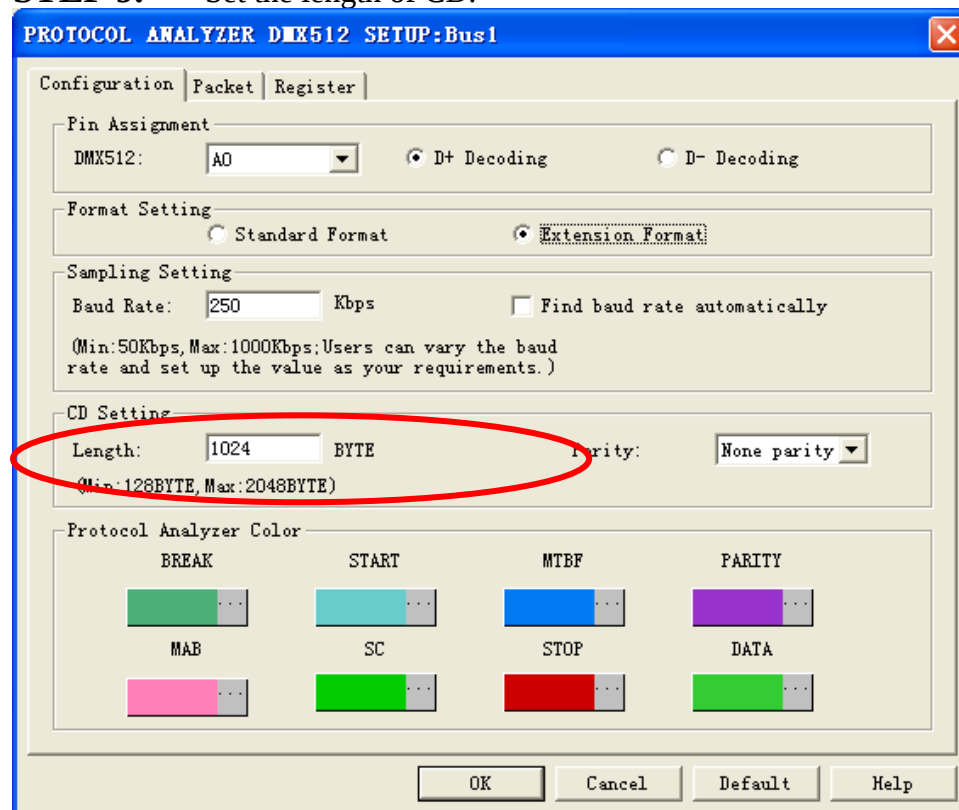


STEP 8. Select Extension Format, and then set **Baud Rate**.

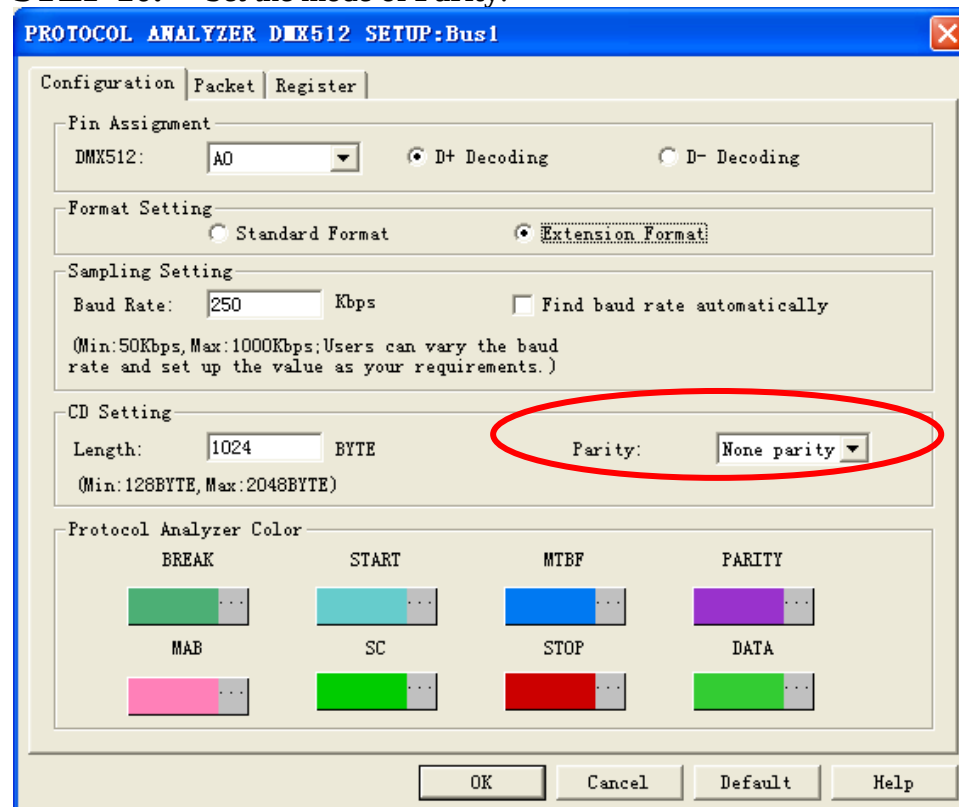




STEP 9. Set the length of CD.

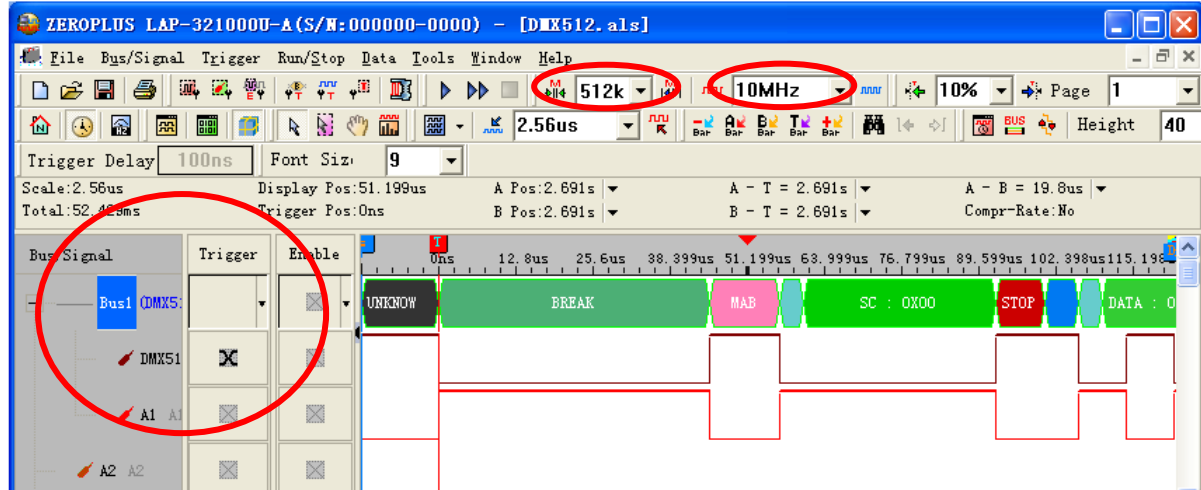


STEP 10. Set the mode of Parity.



STEP 11. Following pictures show the completion of the protocol analyzer decoding and the packet list. The Trigger condition is set as Either Edge; the Memory depth is 512K; the Sampling frequency is 10MHz.

Protocol Analyzer Decoding



Packet List

