



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

SPECIFICATION

MODEL: DALI Specification

PART NO: B09015

VERSION: V1.00

Approver		Check	Design
GM	PM		

Customer Confirm

* Please fax the file to
ZeroPlus Technology after
signing .

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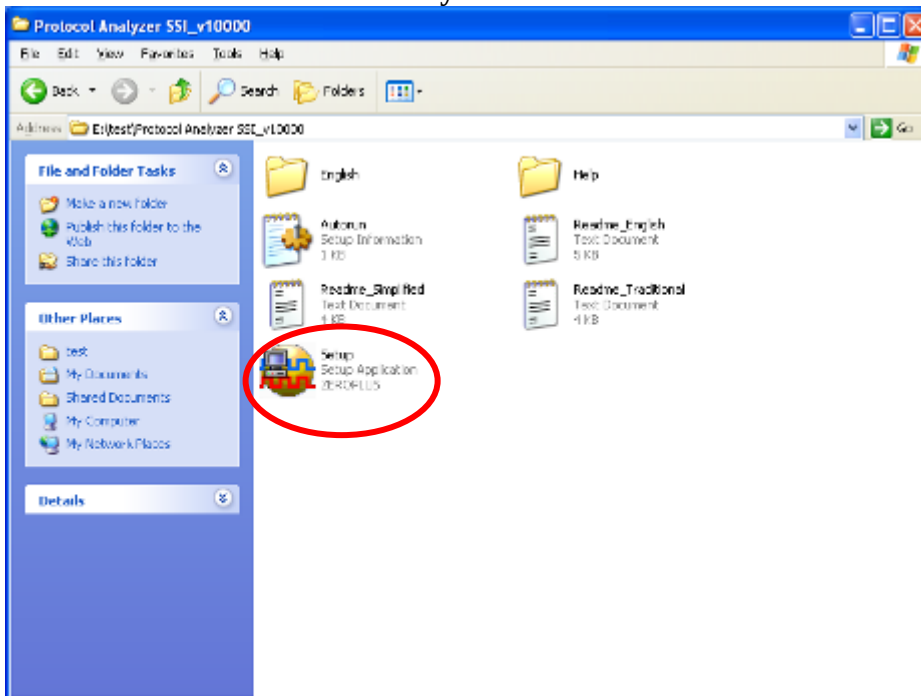
1 Software Installation

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.

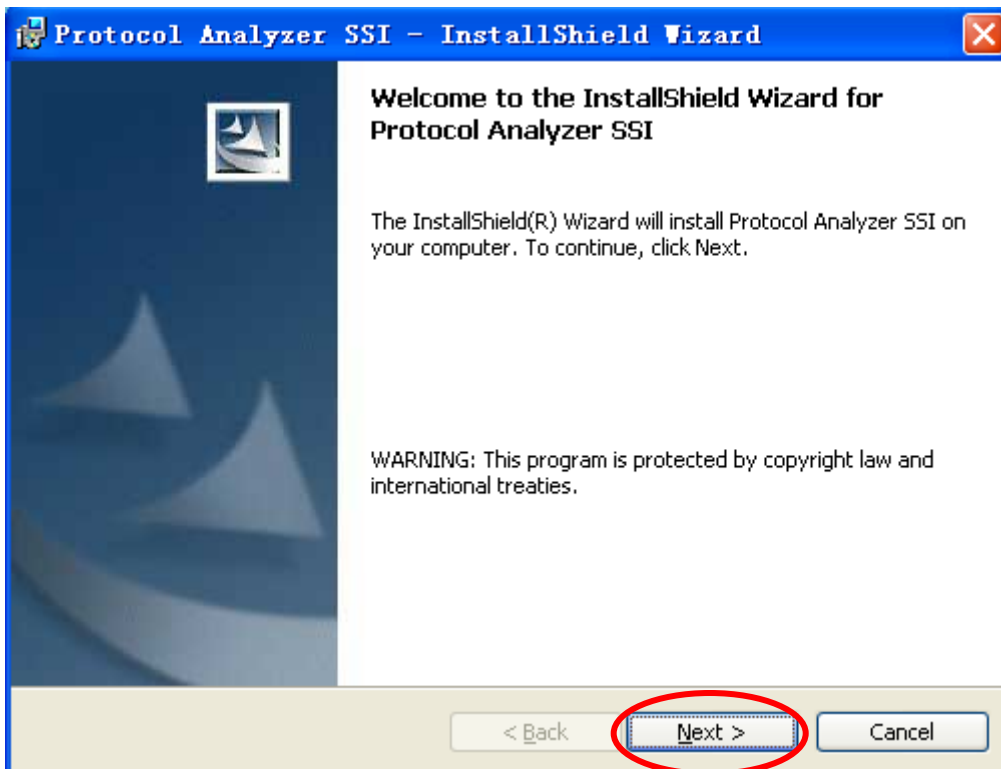


STEP 2. Click Install.

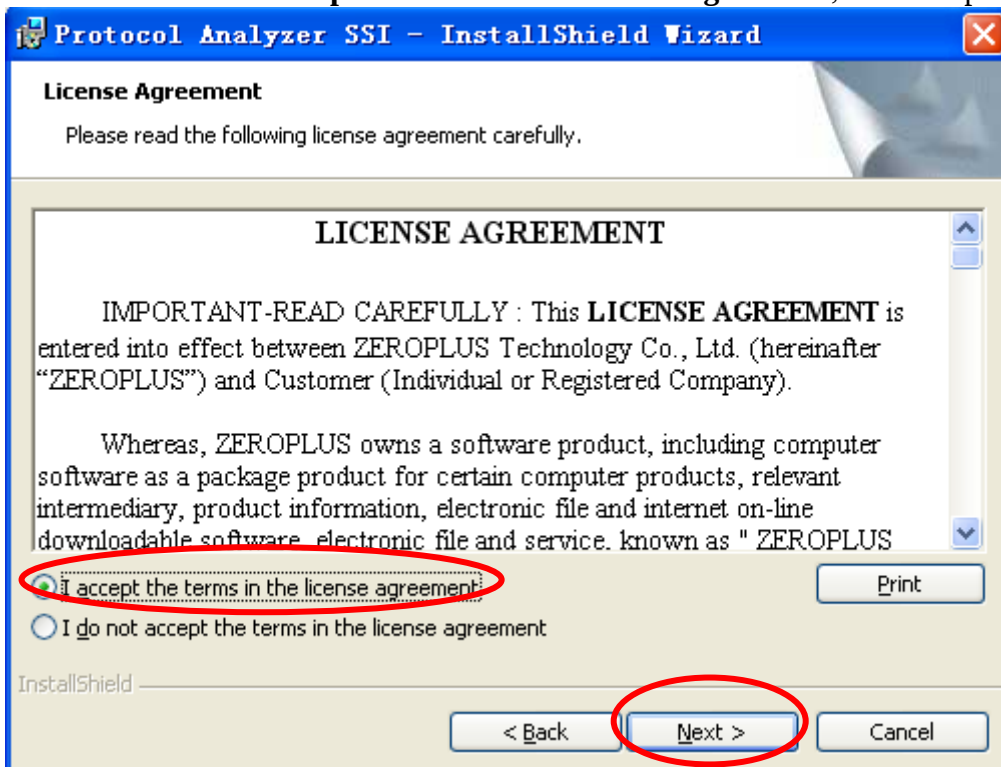




STEP 3. Click Next.



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 contains the following elements:

- Customer Information** section with the instruction "Please enter your information."
- User Name:** A text box containing "sunshine".
- Organization:** A text box containing "zeroplus".
- Install this application for:** Two radio button options:
 - ☒ **Anyone who uses this computer (all users)**
 - ☐ Only for me (sunshine)
- At the bottom, three buttons: "< Back", "Next >" (circled in red), and "Cancel".

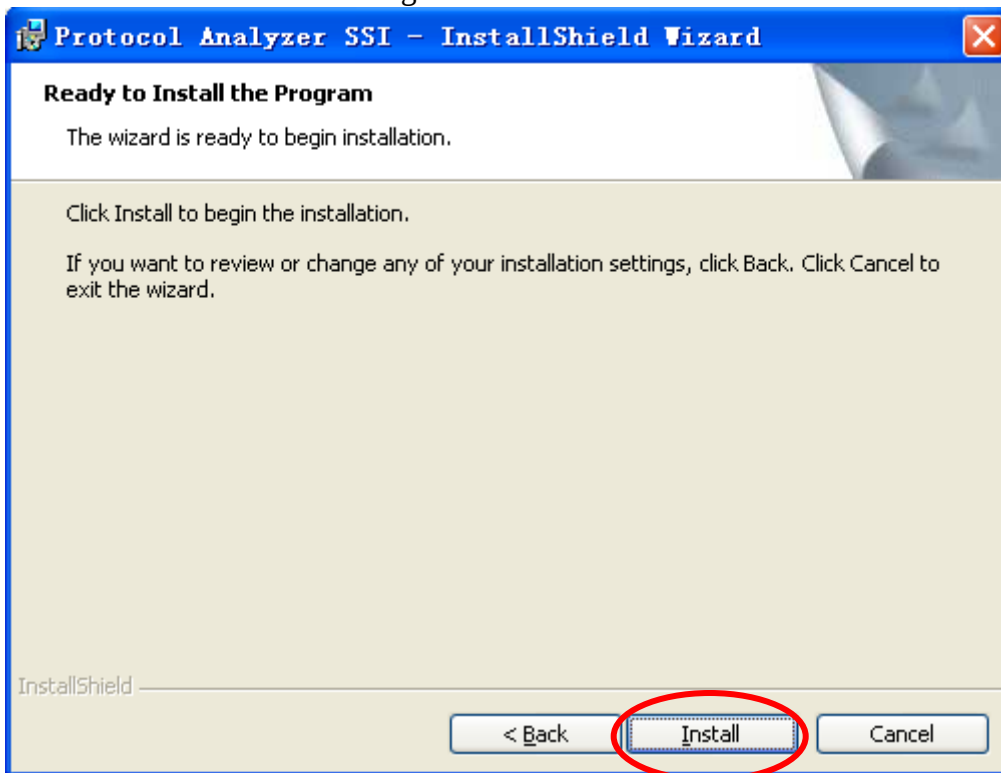
STEP 6. First, select **Complete** and then click **Next**.

The dialog box is titled "Protocol Analyzer SSI - InstallShield Wizard". It contains the following elements:

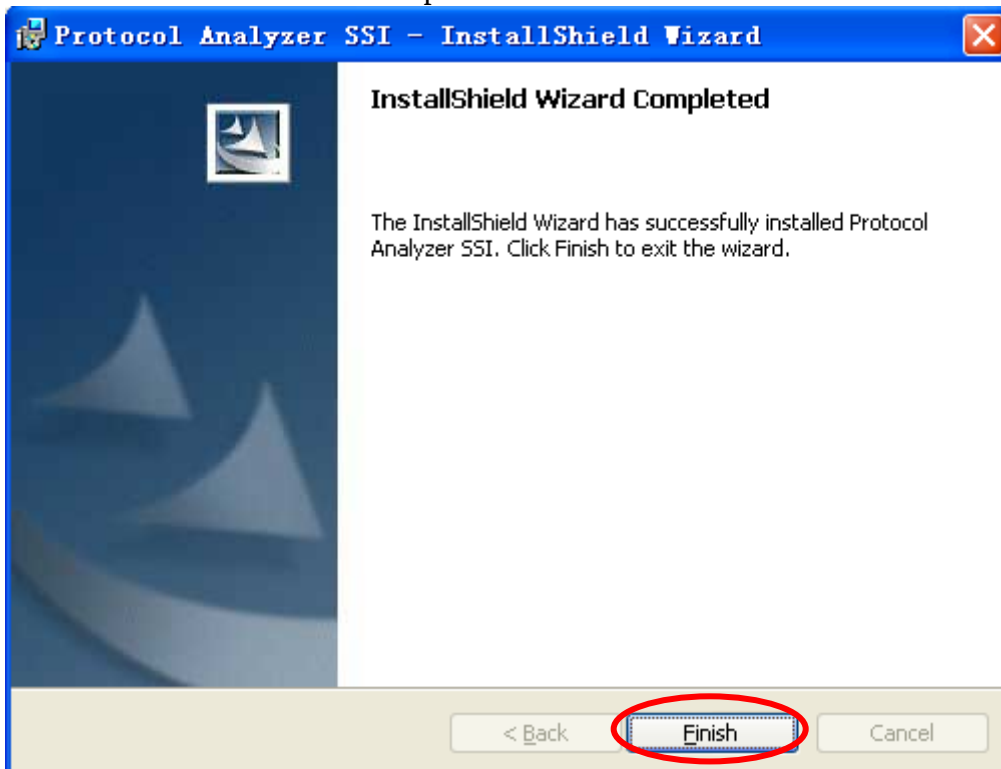
- Setup Type** section with the instruction "Choose the setup type that best suits your needs."
- Please select a setup type.**
- Two radio button options:
 - ☒ **Complete**: All program features will be installed. (Requires the most disk space.)
 - ☐ **Custom**: Choose which program features you want installed and where they will be installed. Recommended for advanced users.
- At the bottom, three buttons: "< Back", "Next >" (circled in red), and "Cancel".



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



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

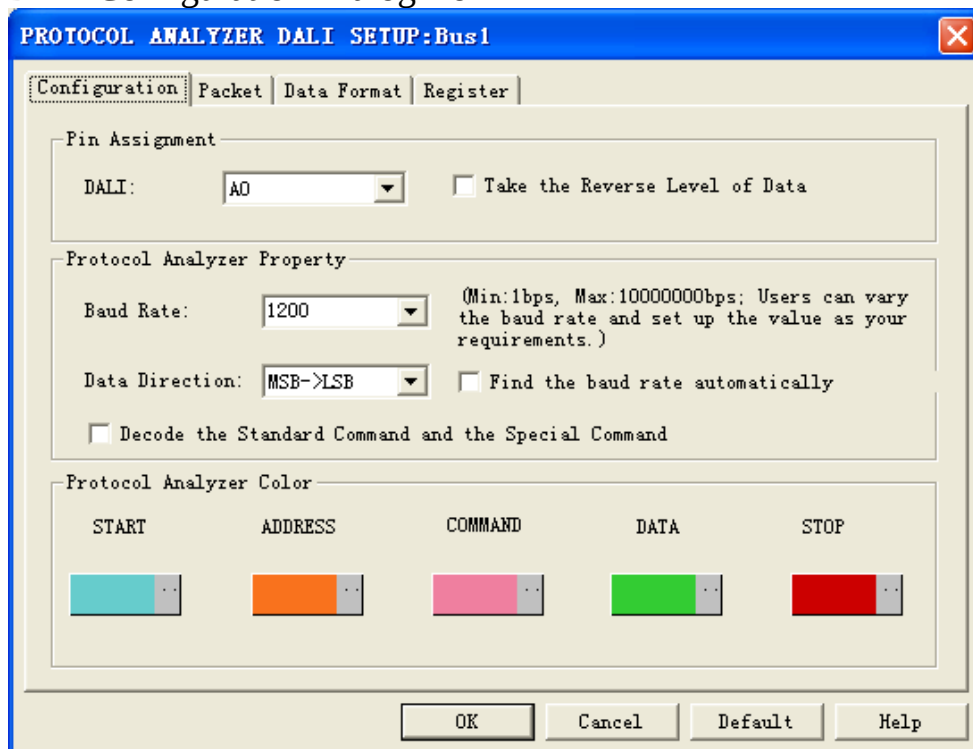




2 User Interface

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

DALI Configuration Dialog Box



Pin Assignment:

DALI: It is the Data Transmission Channel.

Take the Reverse Level of Data: Protocol Analyzer DALI has two channels to transmit data. Users only need to set one channel for decoding, and the data of the other channel takes the reverse level of data of the set channel.

Protocol Analyzer Property:

Baud Rate: The default value is 1200; users can set it as their requirements. Users can select the value (There are 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 230400, 460800 and 921600) from the pull-down menu.

Find the baud rate automatically: When selecting the option, the software will find the baud rate automatically for users; it is available when the error is small.

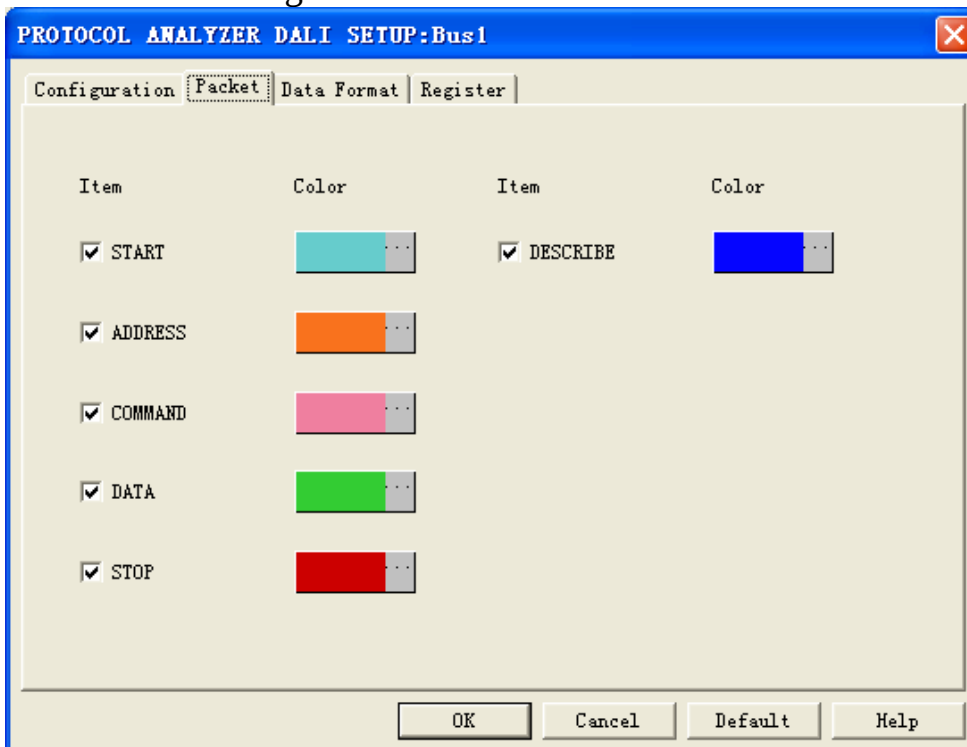
Data Direction: The default is MSB->LSB.

Decode the Standard Command and the Special Command: It can be switched between decoding the specific Command and not decoding the specific Command. That is to say, if the option is not selected, the specific Command will not be decoded.

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

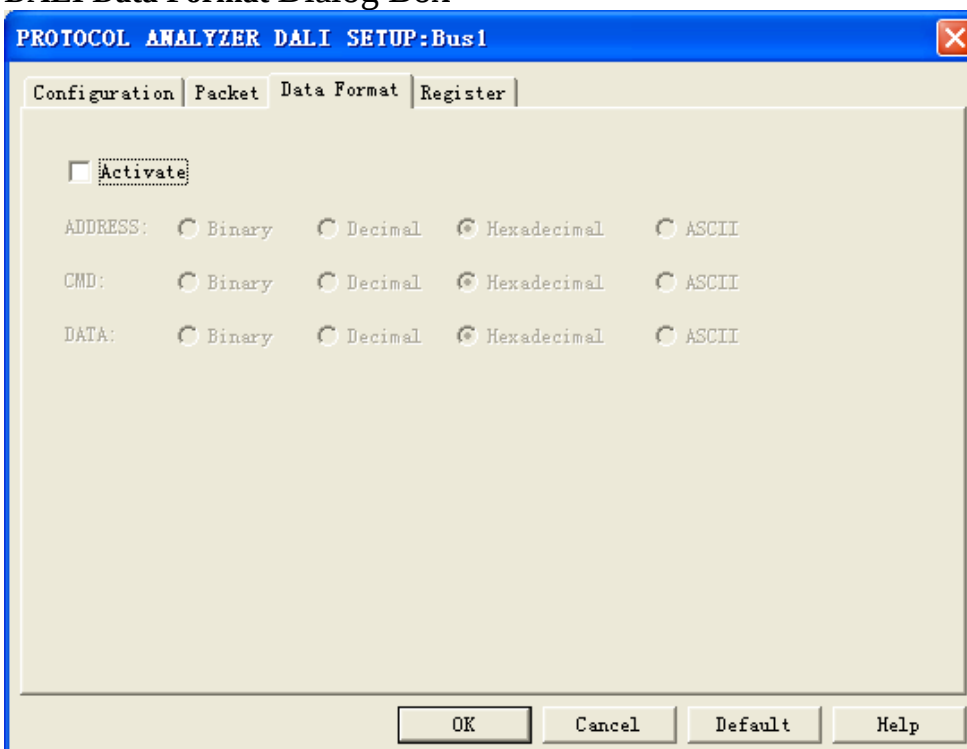


DALI Packet Dialog Box



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

DALI Data Format Dialog Box



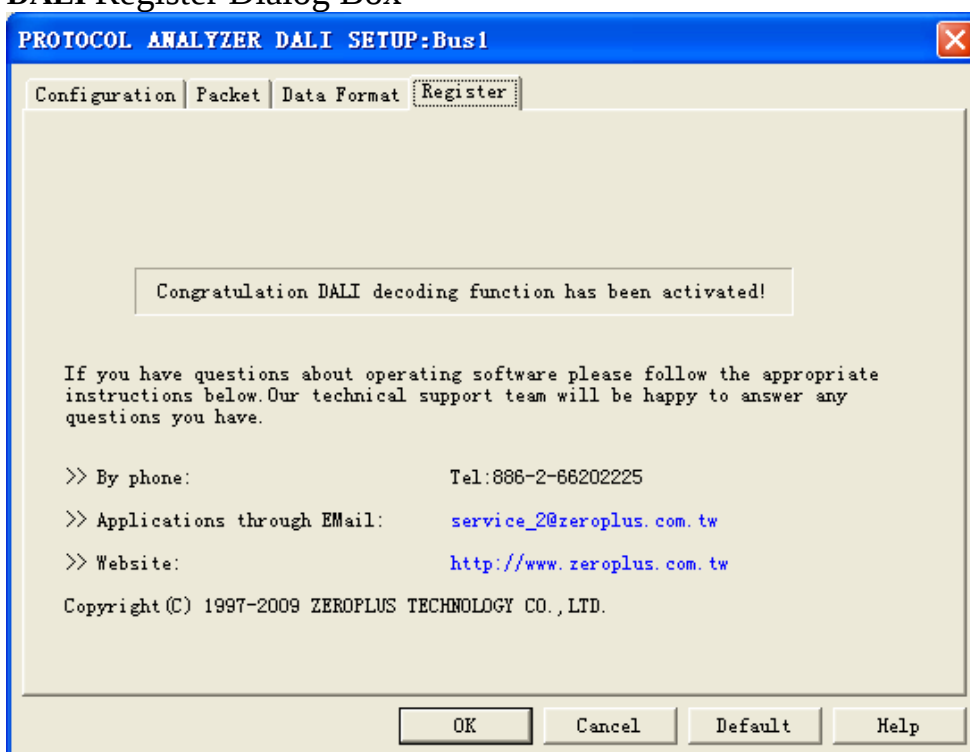
Data Format: The default of ADDRESS, CMD and DATA are all Hexadecimal.

If the function is not activated, the Data Format will be controlled by the main program and the Packet List will have the corresponding change.

When selecting the option, **Activate**, the settings of ADDRESS, CMD and DATA will be enabled. The set Data Format will be displayed in the Waveform Area and Packet List.



DALI Register Dialog Box

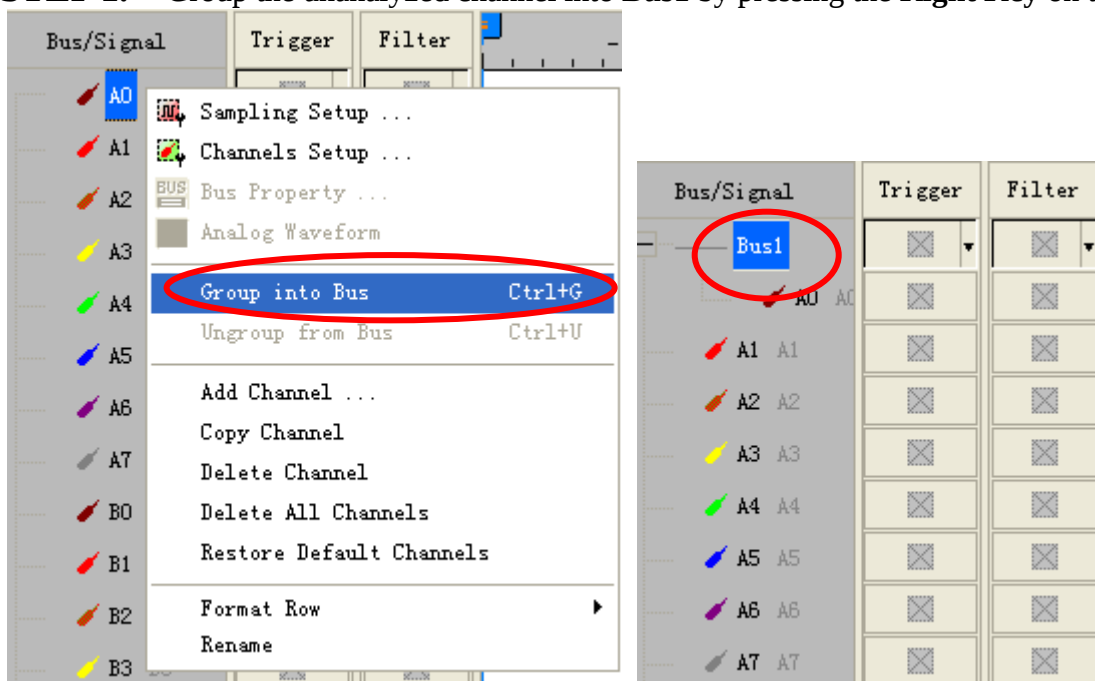


There is written ZeroPlus company information. If you have any questions about software operations, you can contact ZeroPlus by Telephone or Email.

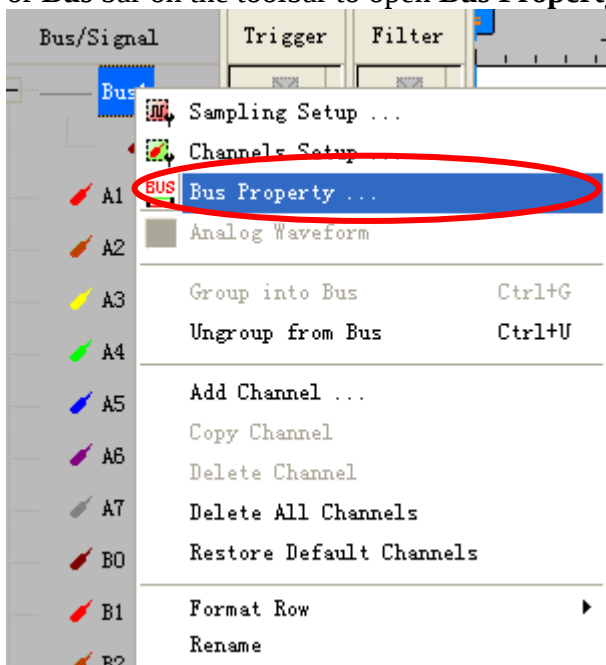


3 Operating Instructions

STEP 1. Group the unanalyzed channel into **Bus1** by pressing the **Right Key** on the mouse.

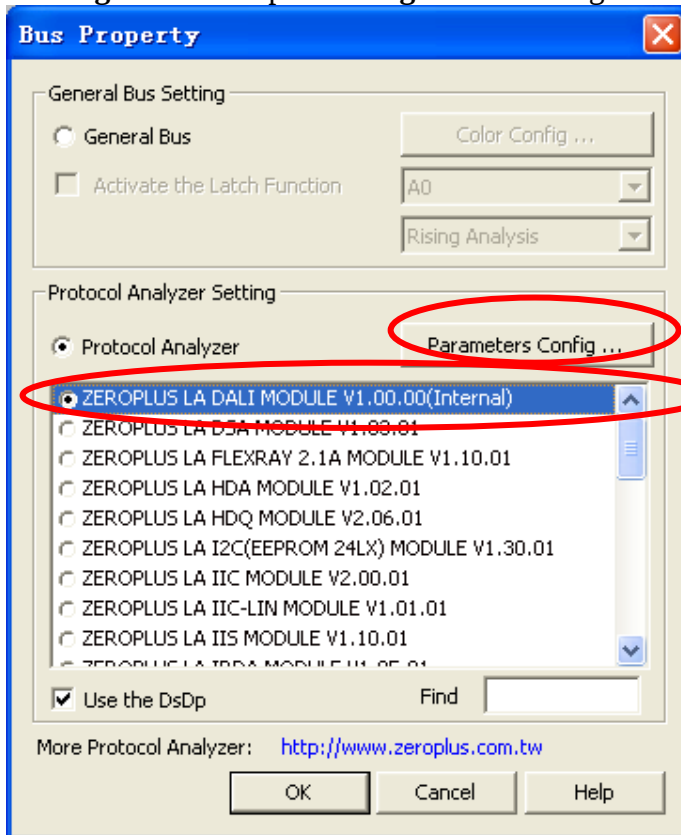


STEP 2. Select **Bus1**, and press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus bar** on the toolbar to open **Bus Property** dialog box.

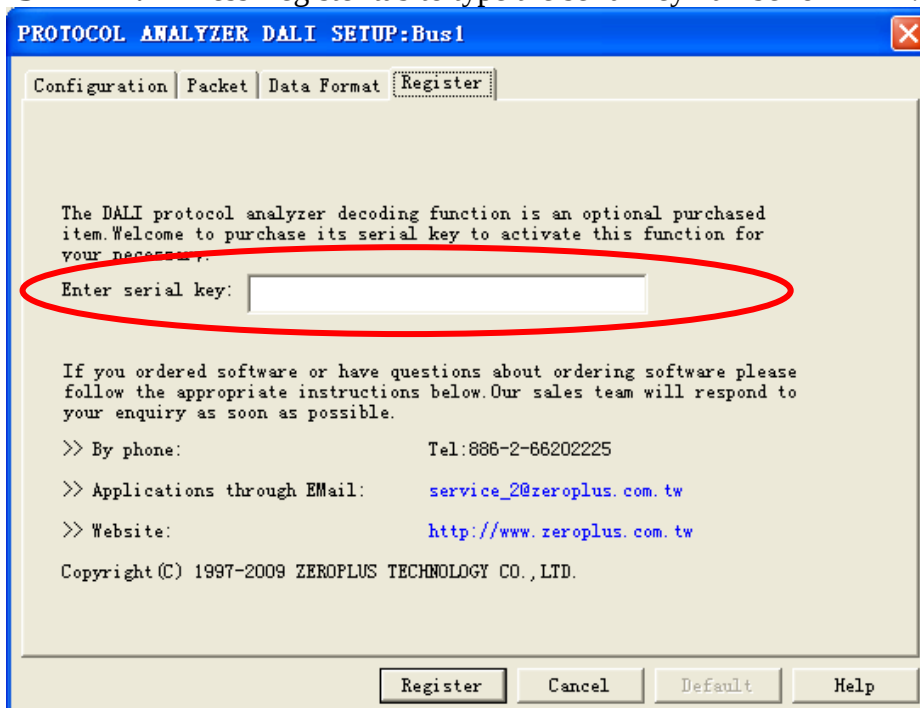




STEP 3. For Protocol Analyzer DALI Parameters Configuration, select Protocol Analyzer, and then choose **ZEROPLUS LA DALI MODULE V1.00.00(Internal)**. Next click **Parameters Configuration** to open **Configuration** dialog box.

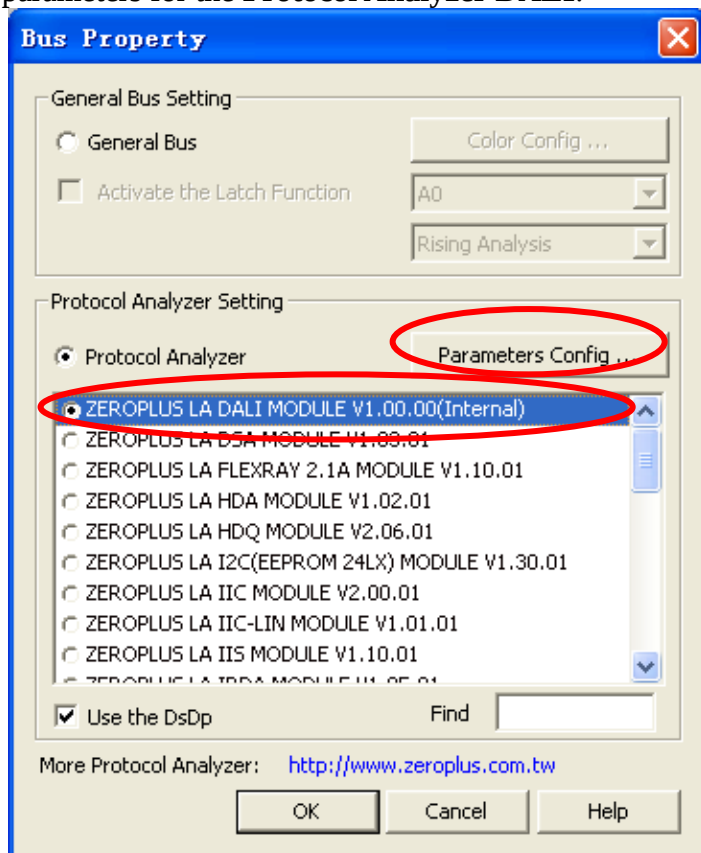


STEP 4. Press Register tab to type the serial key number of DALI. Then, press **Register**.

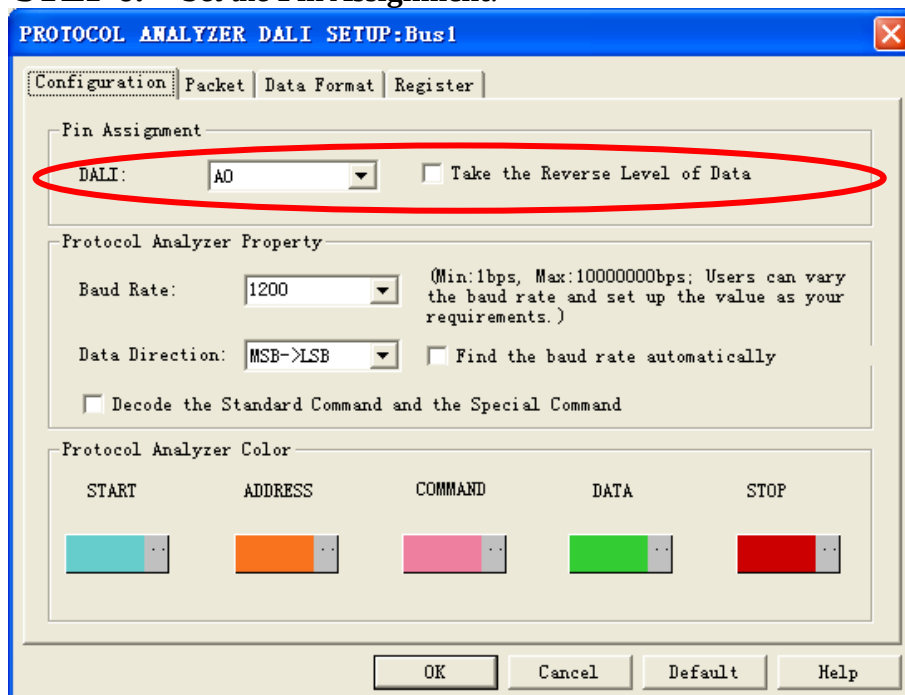




STEP 5. Click **Parameters Configuration** again, and open the configuration dialog box to set the parameters for the **Protocol Analyzer DALI**.

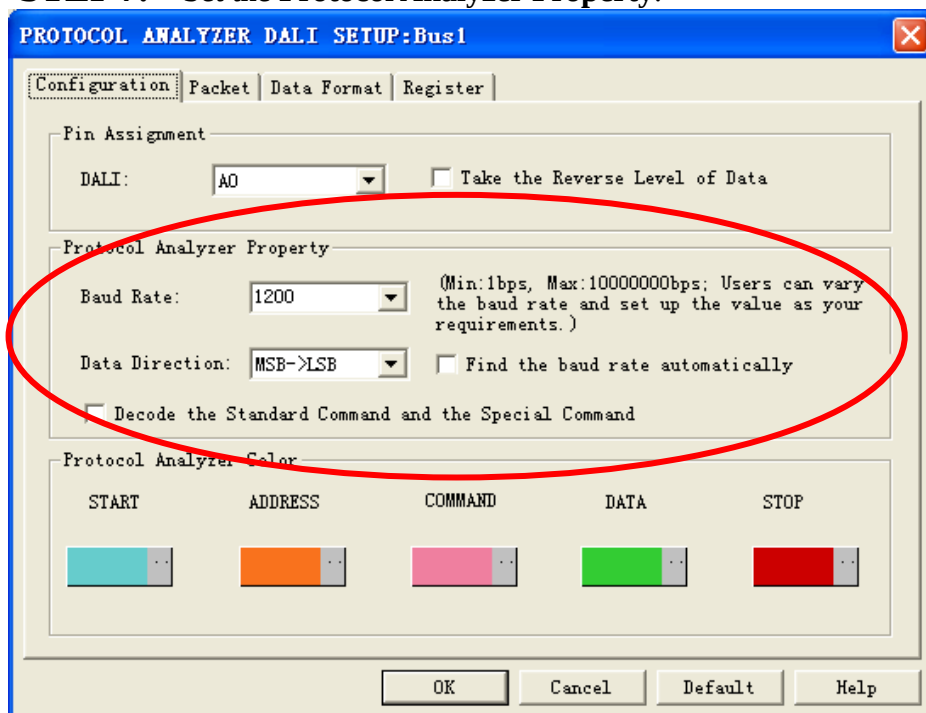


STEP 6. Set the **Pin Assignment**.

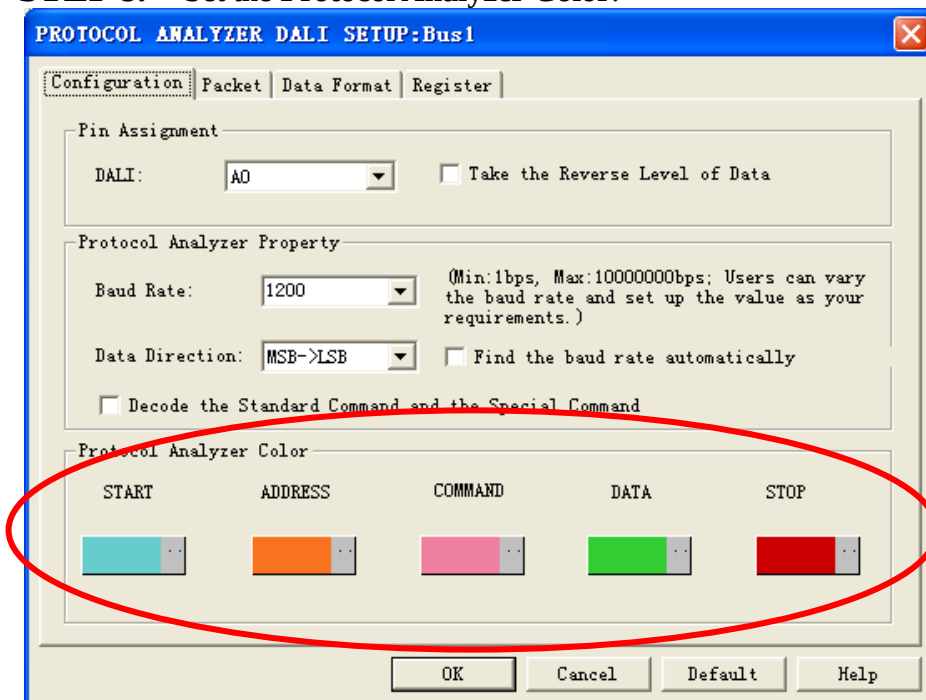




STEP 7. Set the Protocol Analyzer Property.



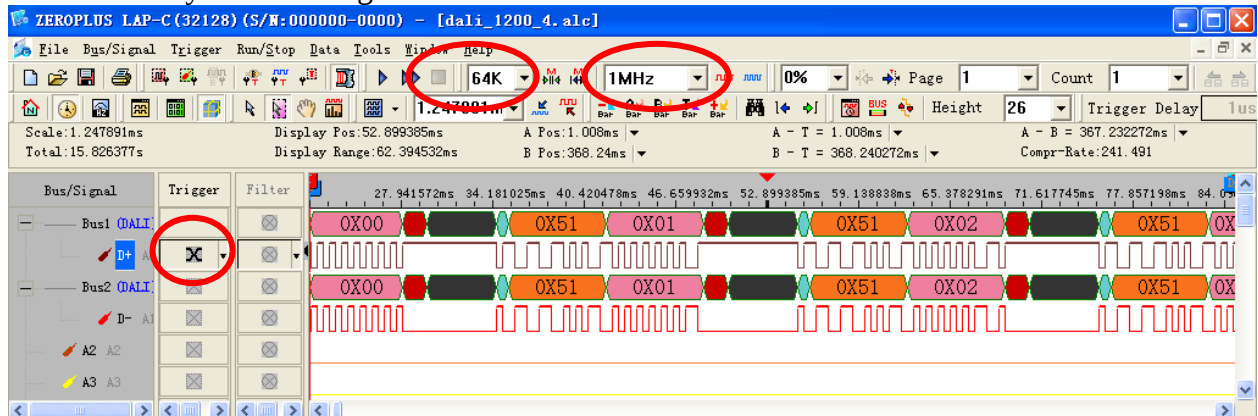
STEP 8. Set the Protocol Analyzer Color.





STEP 9. 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 64K; the internal sampling frequency is 1MHz.

Protocol Analyzer Decoding



Packet List

