孕龍科技股份有限公司
ZEROPLUS TECHNOLOGY CO;LTD

Instrument Business Department

Digital Logic Specification

Version：V1.0

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Content

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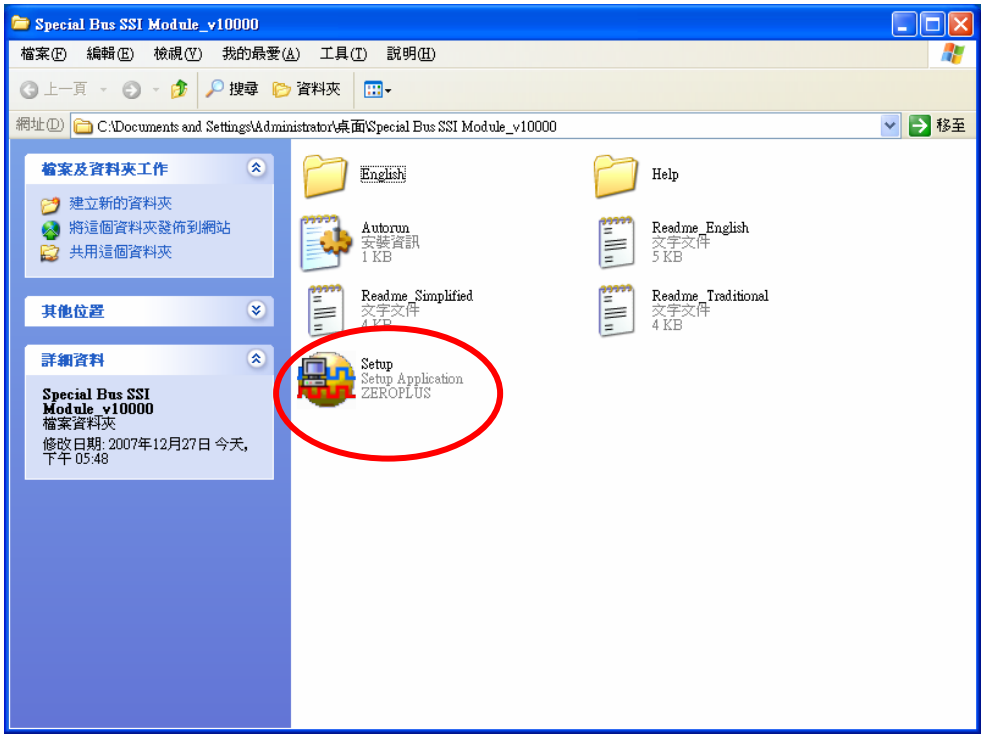
1 Software Installation

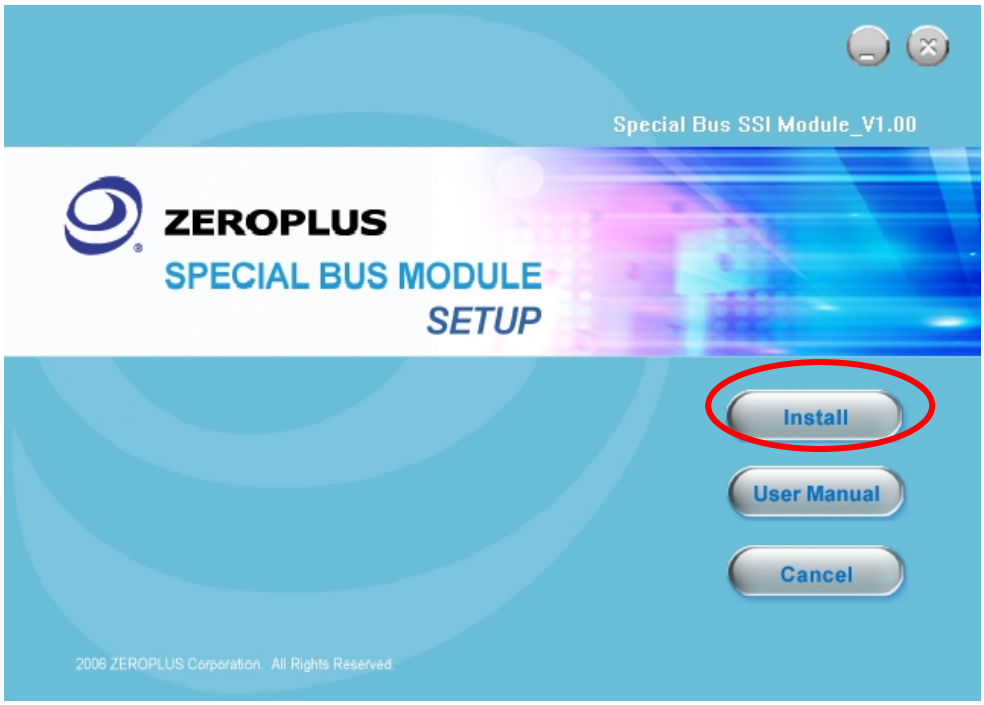
Please install the software as the following steps：

※Remarks: The installation steps for all buses are the same; you can complete installation by following procedures. Below is an example on how to install SSI bus.

STEP 1. Install Bus Module



STEP 2. Click **Install.**



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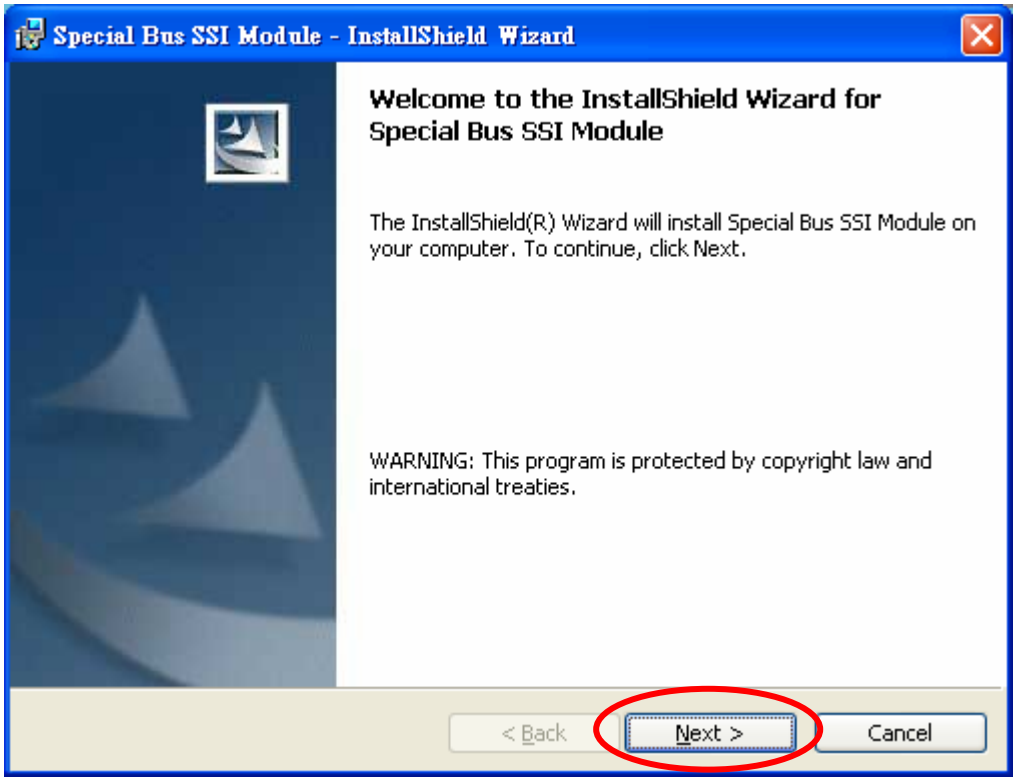
STEP 3. Click **Next.**



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

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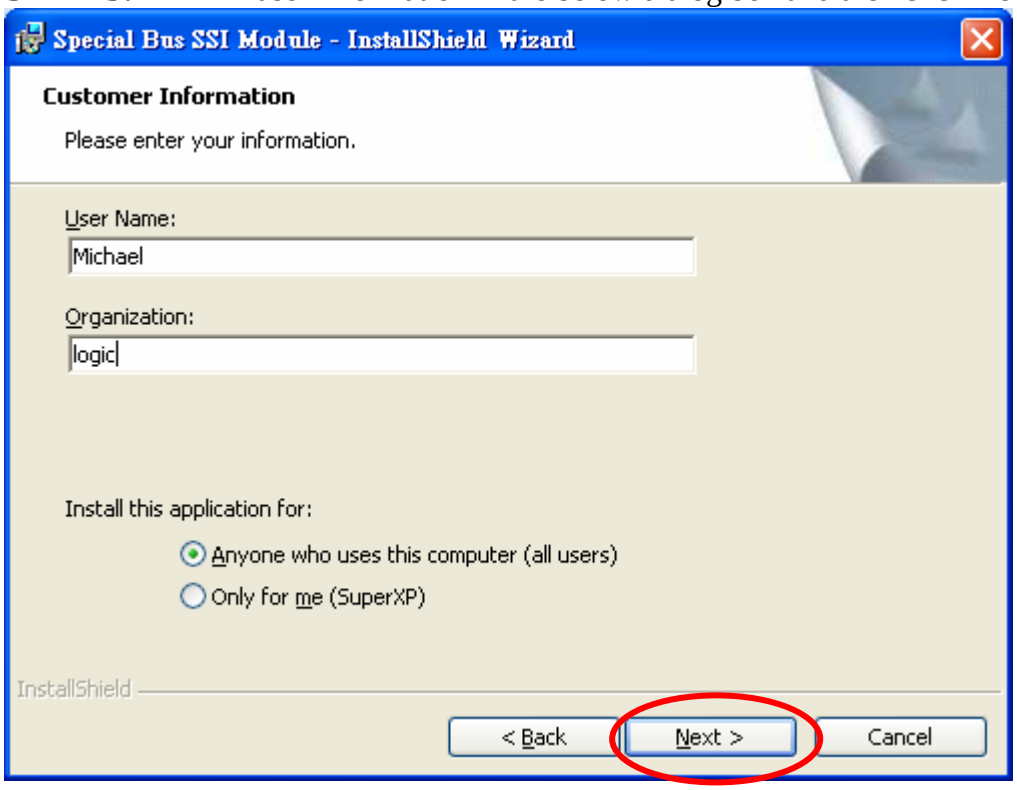
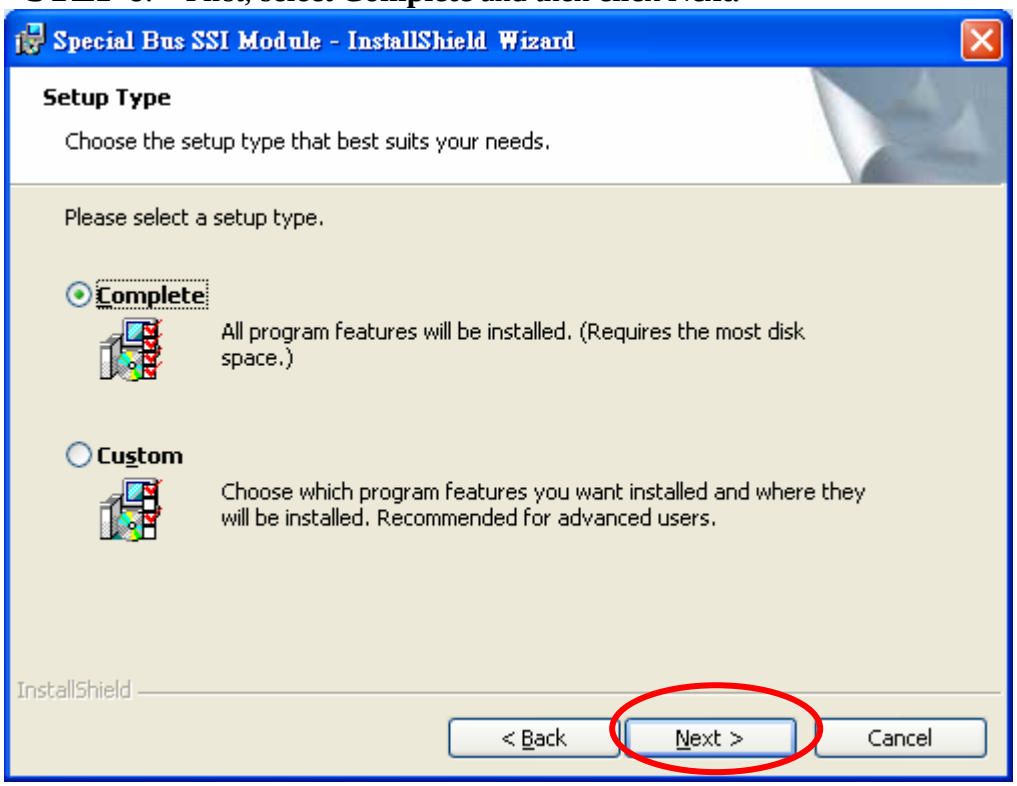
STEP 5. Fill in user information in the below dialog box and then click **Next**.



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



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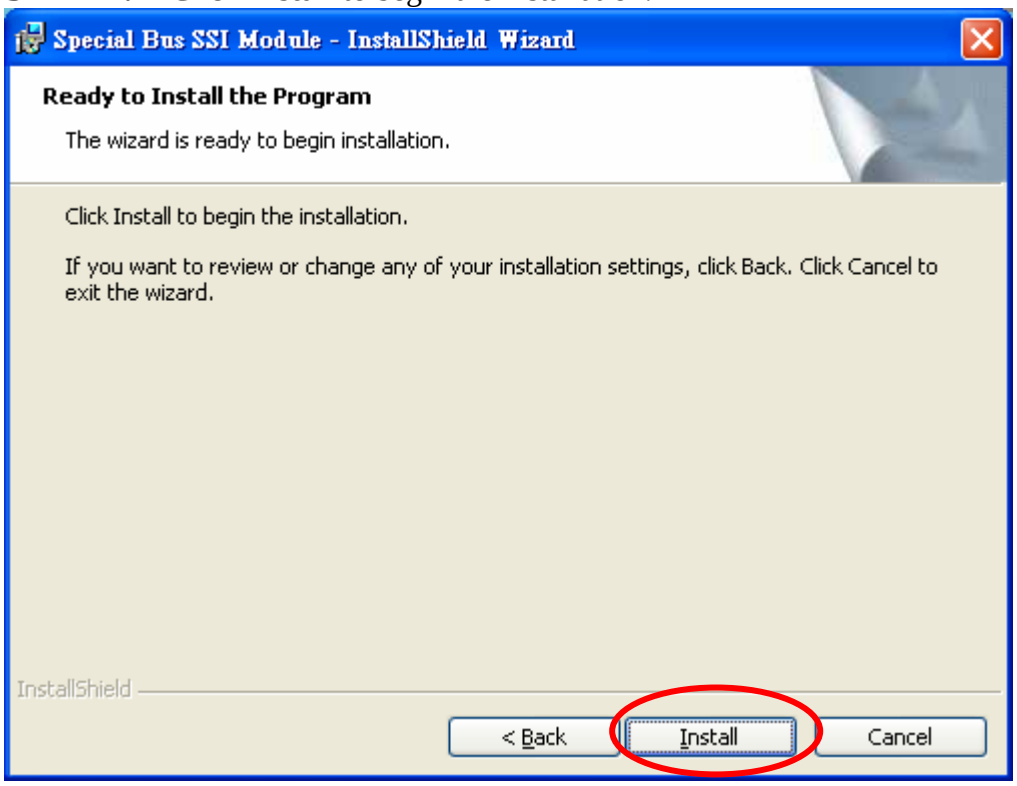
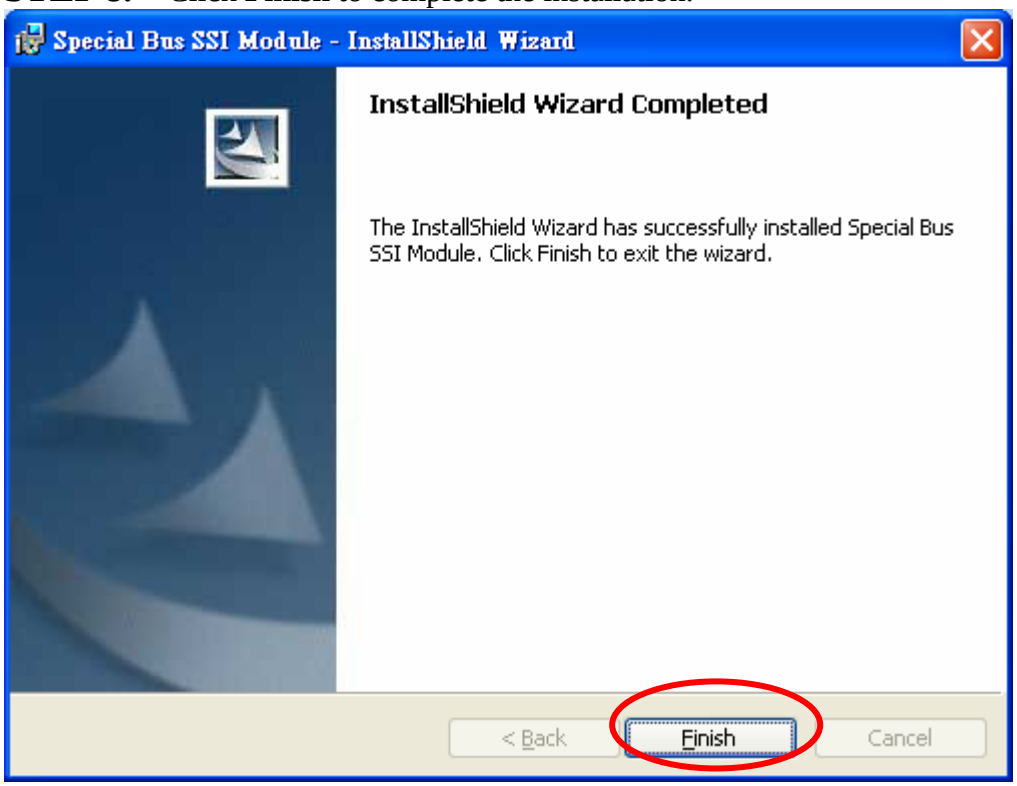
STEP 7. Click **Install** to begin the installation.



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



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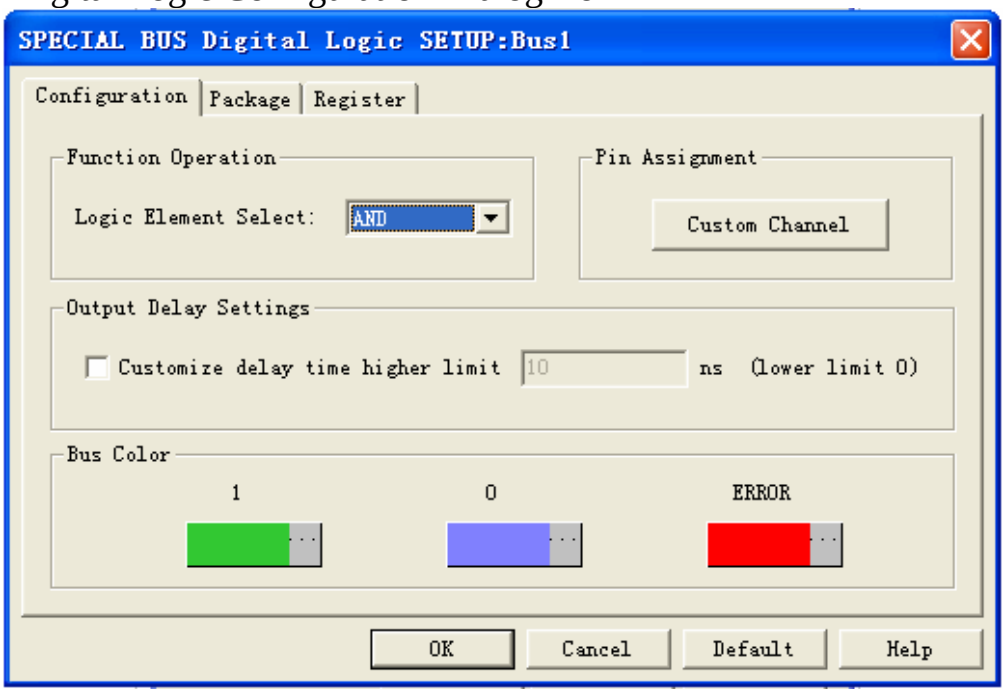
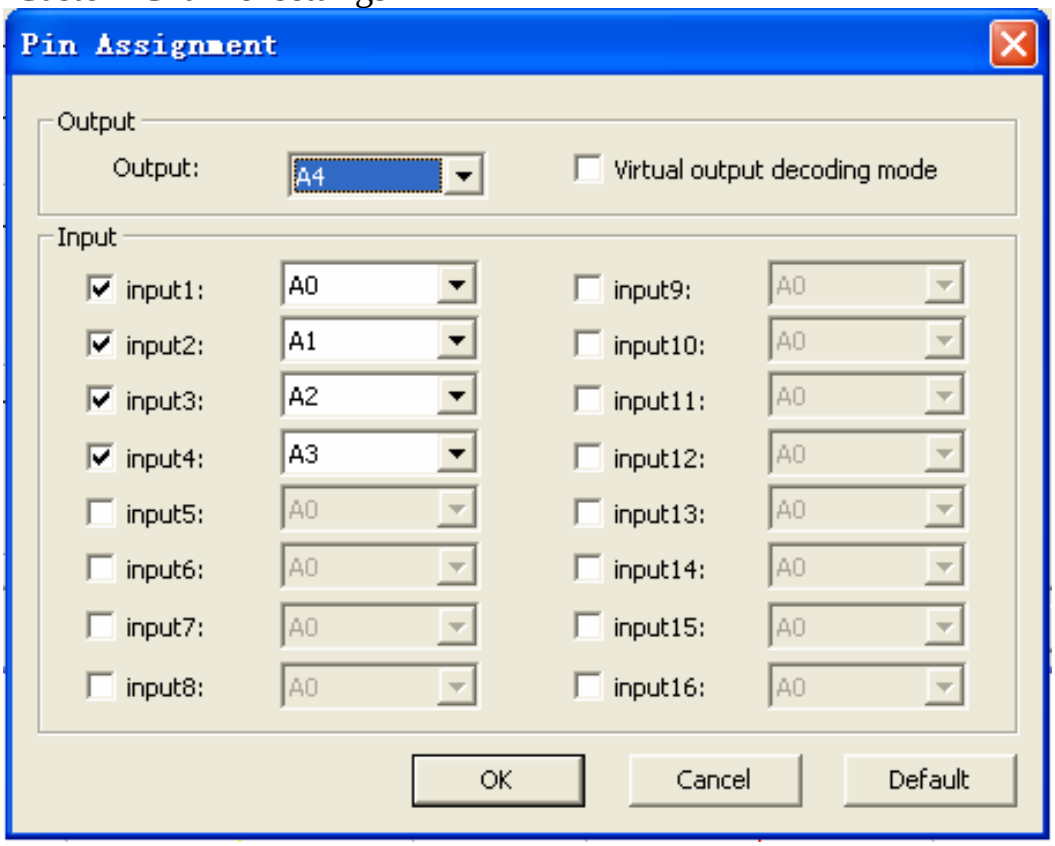
2 User Interface

In the configuration dialog box, please refer to the below images to select options of setting **Digital Logic MODULE**.

Digital Logic Configuration Dialog Box



Custom Channel settings



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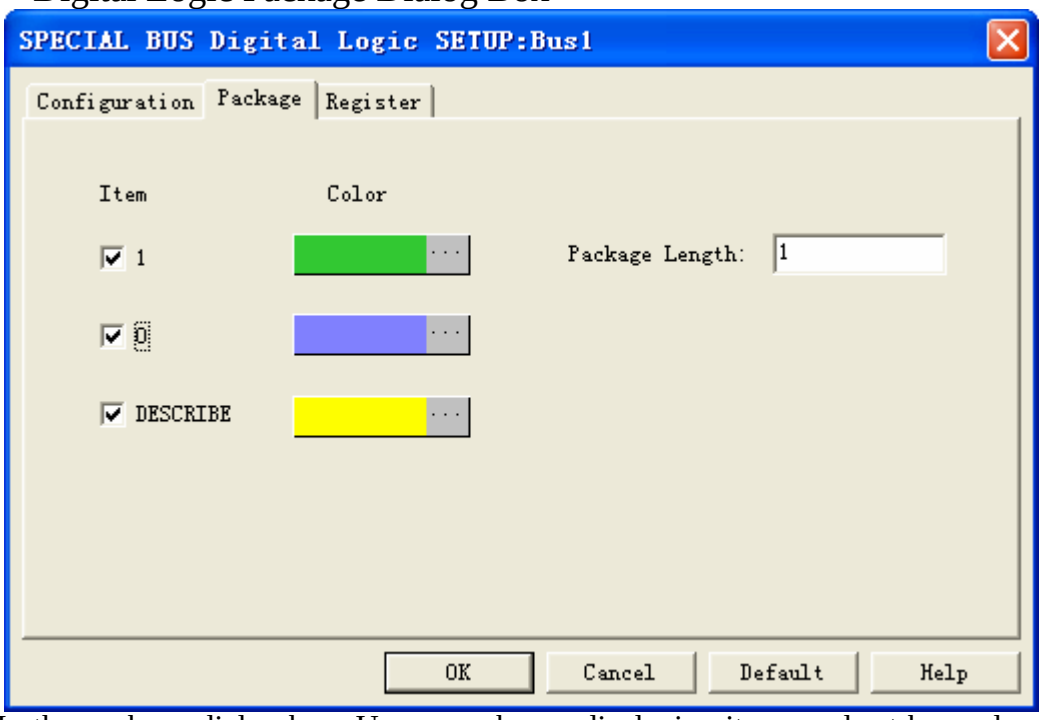
Function Operation
Logic Element Select:
Select the necessary Logic Element of analysis in this part analysis in this part such as AND, OR, NAND, NOR, XOR, NXOR and NOT.

Pin Assignment
Custom Channel Selection: Set signal channels that are used and set its number
Virtual output decoding mode: user can use the Virtual output decoding mode to decode, and it is not necessary for user to select Output ,
Output Delay settings
Customize Delay Time: Set the default of higher limit of delay time as10ns

Bus Color
User can set and vary the items of the color according to his or her own requirements.

Digital Logic Package Dialog Box



In the package dialog box, User can choose displaying items and set bus color and package length according to his or her own requirements.

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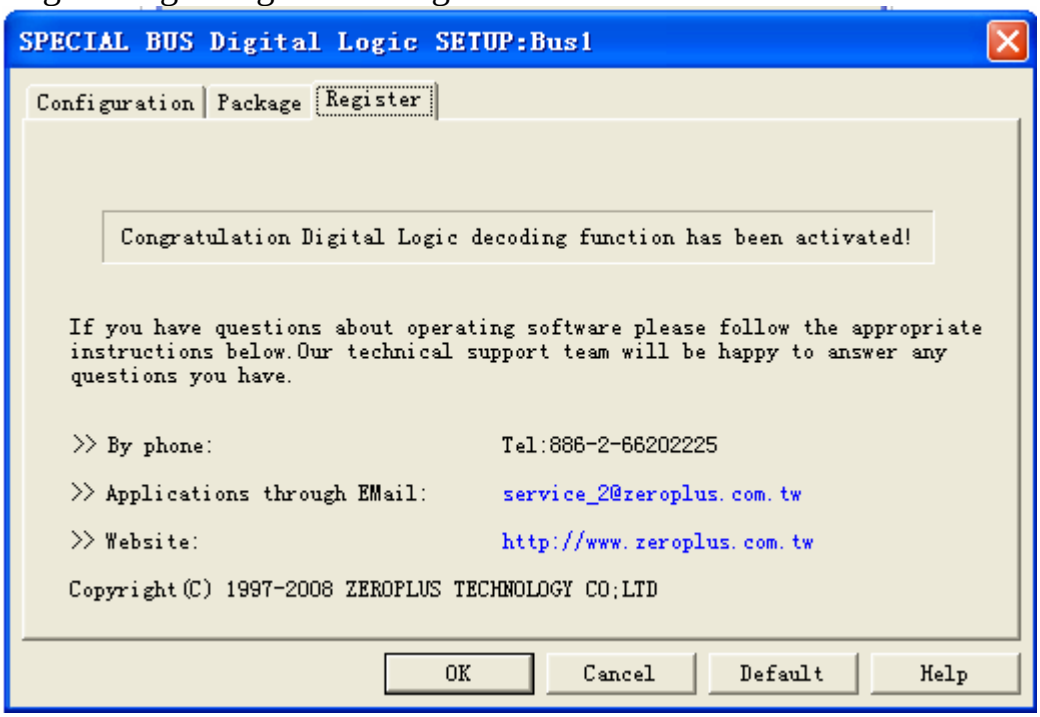
Digital Logic Register Dialog Box



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

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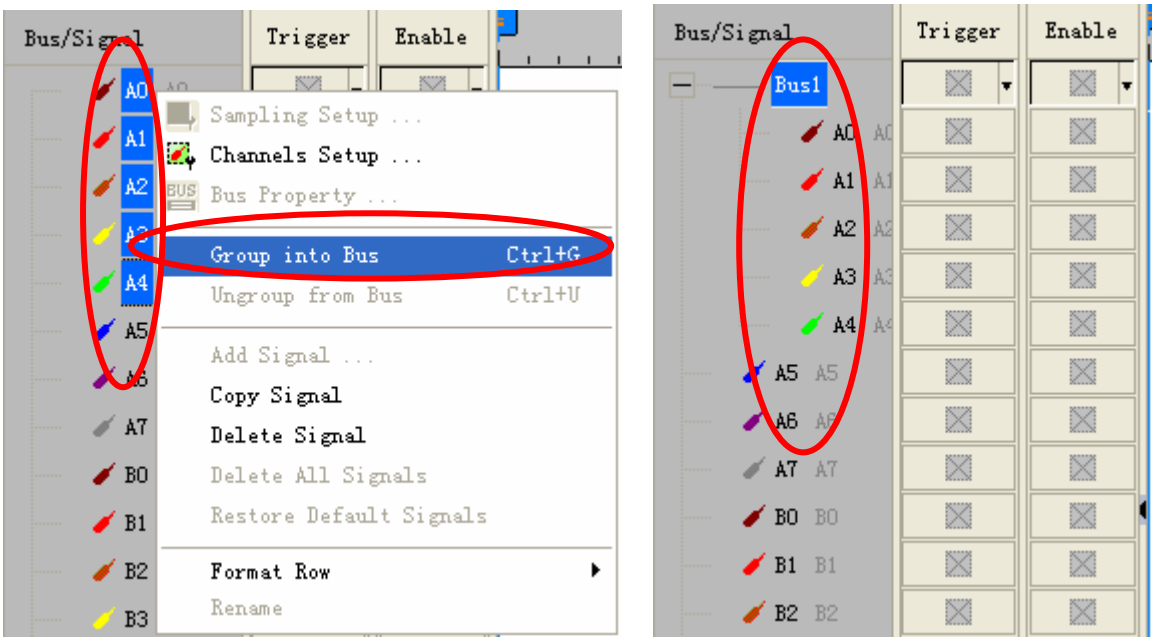
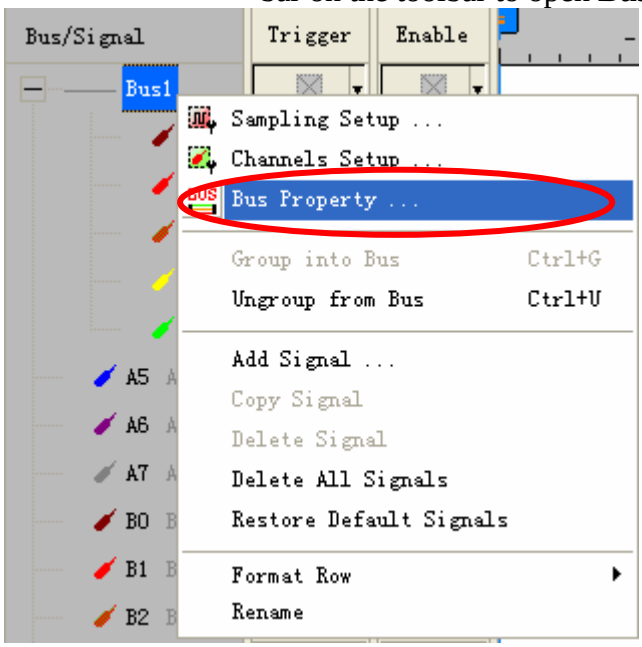
3. Operating Instructions

STEP 1. First, group the unanalyzed channels into **bus1** by pressing the **Right Key** on mouse



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



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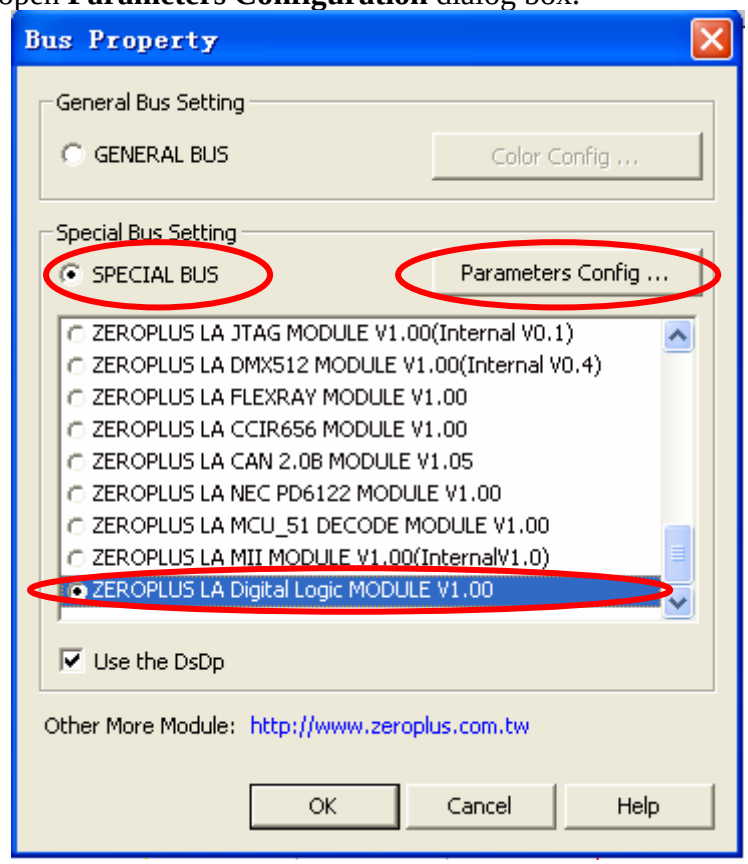
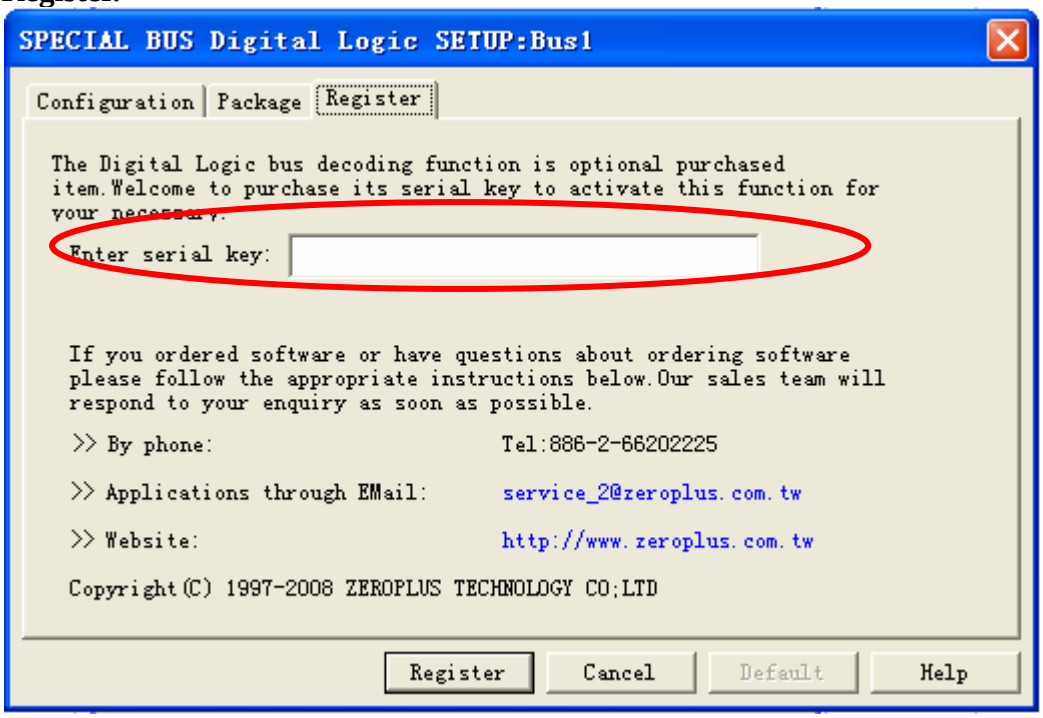
STEP 3. For Special Bus Digital Logic Parameters Configuration, select Special Bus, and then select **ZEROPLUS LA Digital Logic MODULE V1.00.** Next click **Parameters Configuration** to open **Parameters Configuration** dialog box.



STEP 4. Click Register tab to type the serial key number of **Digital Logic** .Then, press **Register.**



STEP 5. After completing **Register**, come back to the **Bus property** dialog box, then click the parameters **configuration** to start the Special Bus Digital Logic setup.

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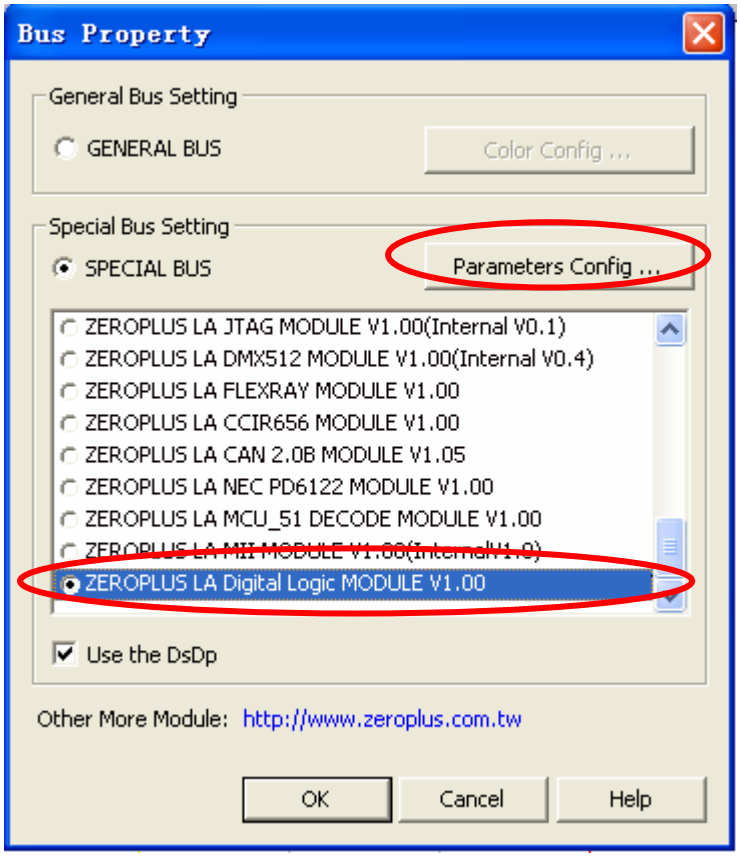
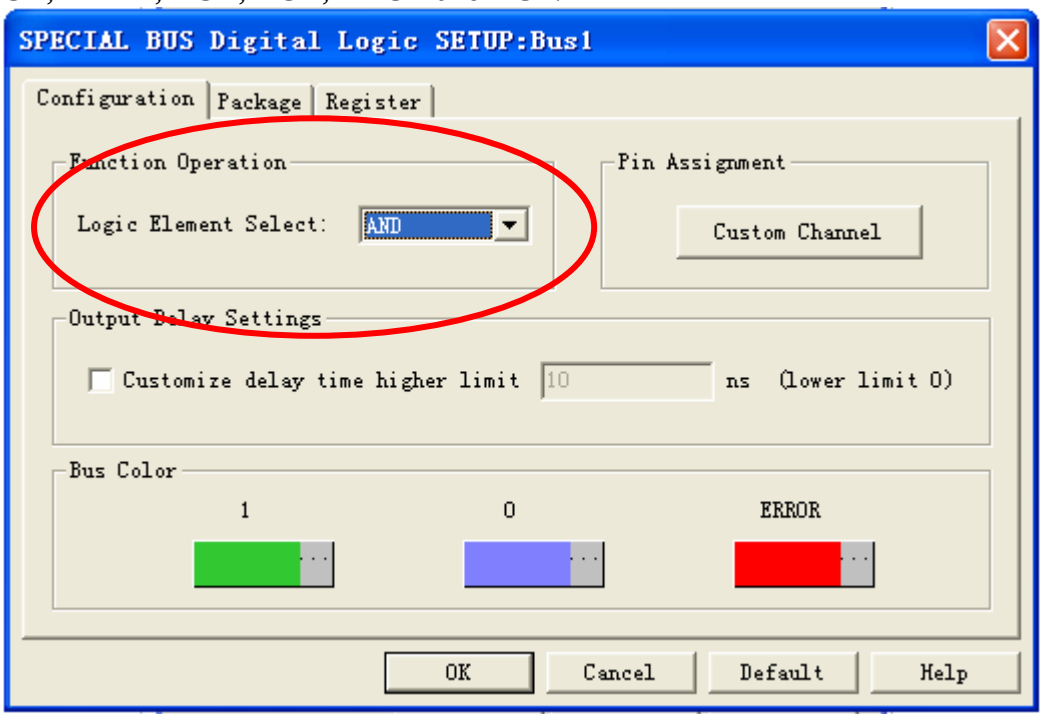


STEP 6. Function Operation Settings: user can set the useable Logic Elements, there are AND, OR, NAND, NOR, XOR, NXOR and NOT.



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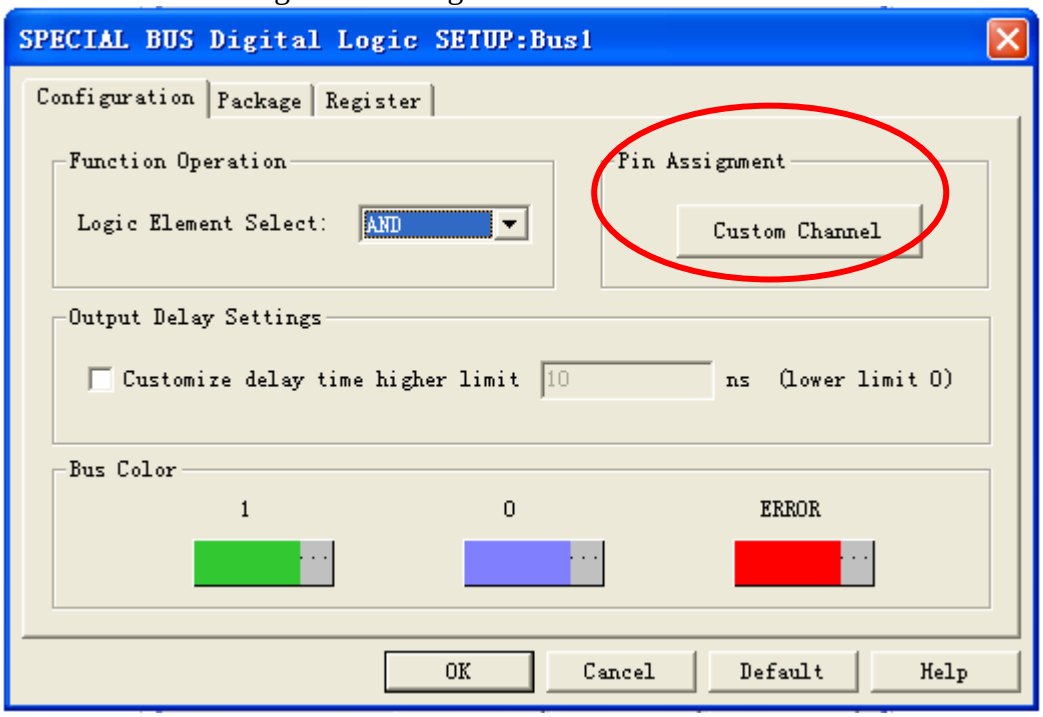
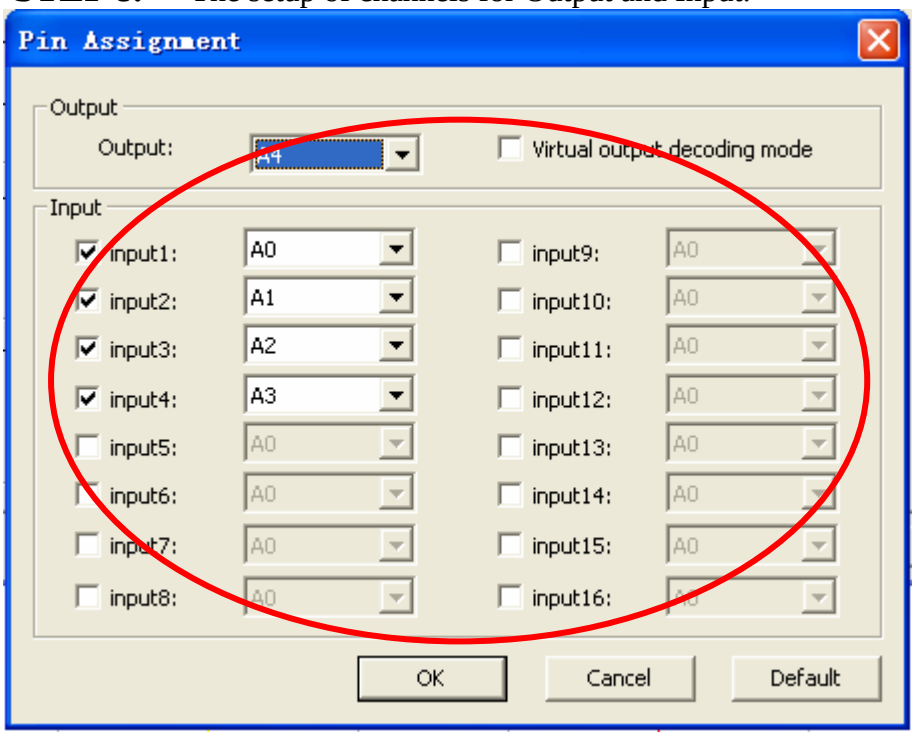
STEP 7. Pin Assignment settings: click the Custom Channel to set the contents of channel.



STEP 8. The setup of channels for Output and Input.



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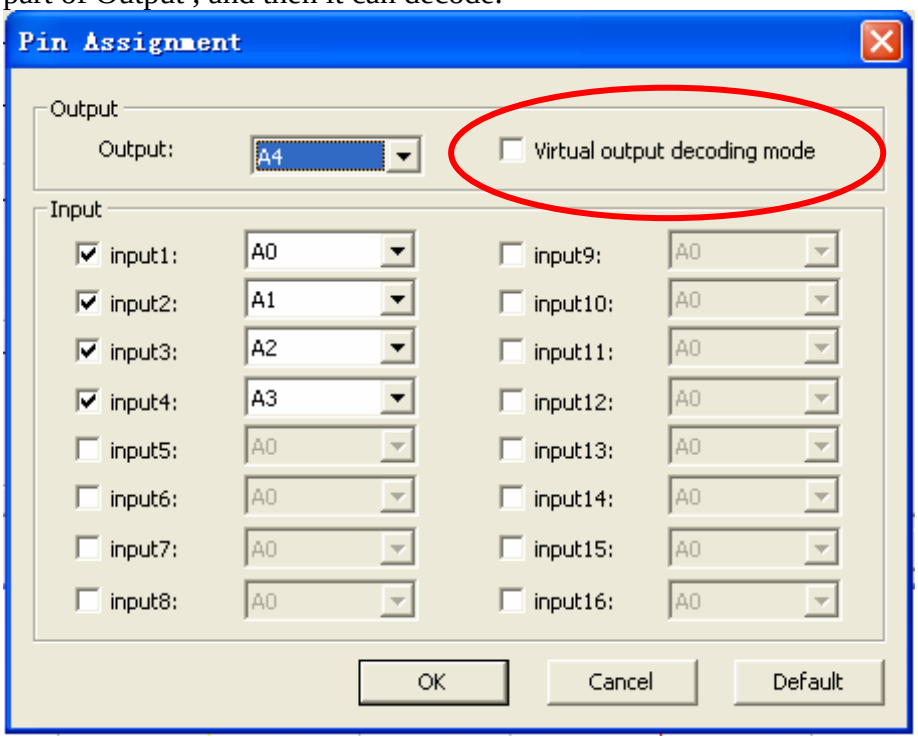
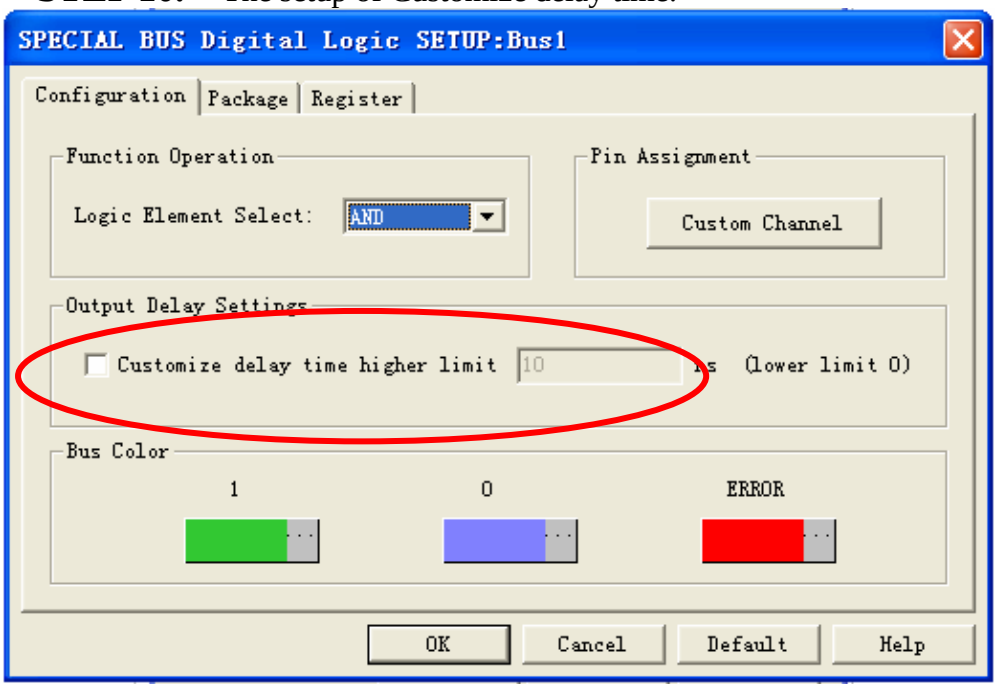
STEP 9. If selecting the Virtual output decoding mode, then there is no need for user to set the part of Output , and then it can decode.



STEP 10. The setup of Customize delay time.



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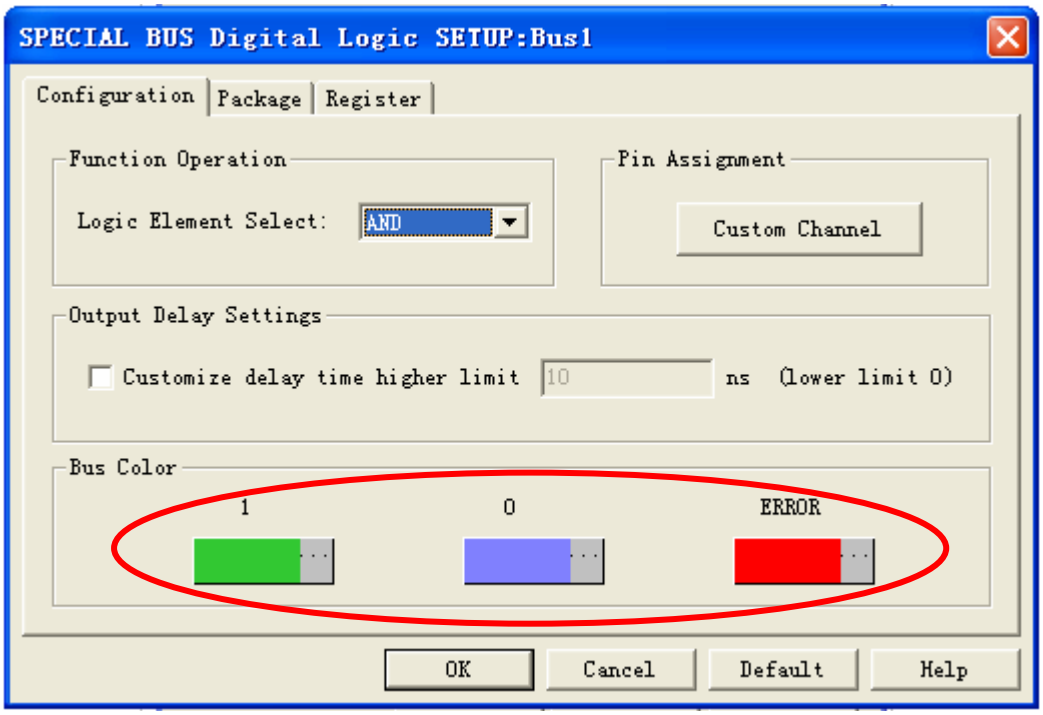
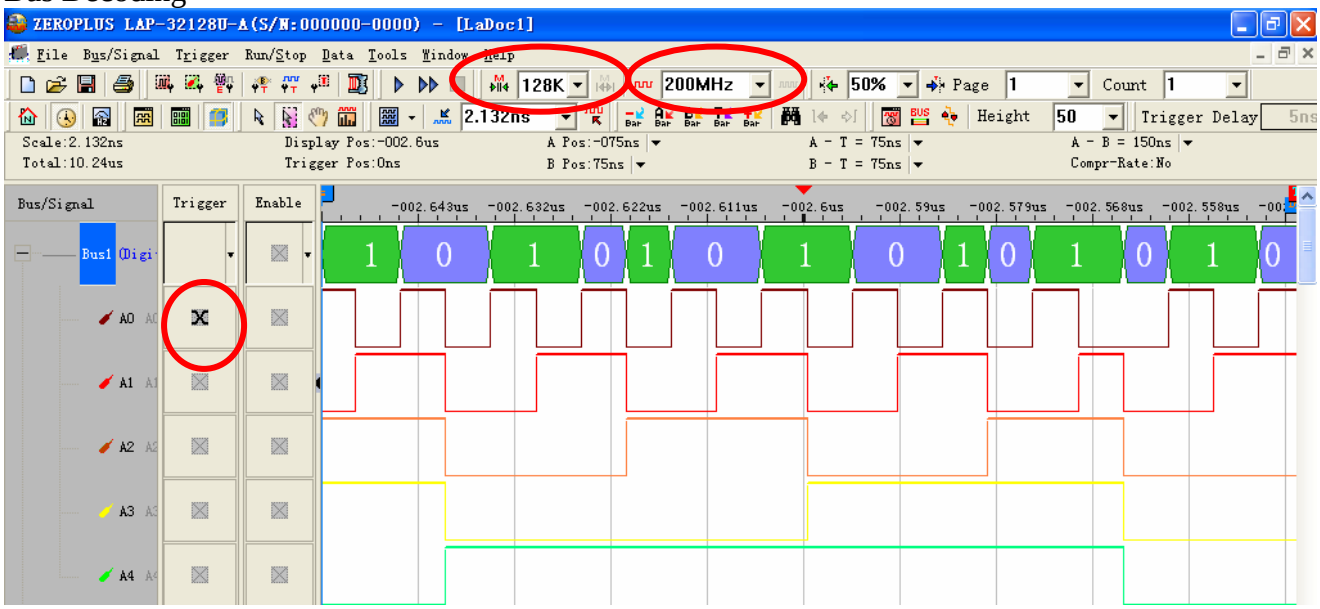
STEP 11. The setup of Bus Color.



STEP 12. Following pictures show the completion of the Bus decoding and package list . The conditions are set as either edge ,Memory depth is 128K, Sampling frequency is 200MHZ。

Bus Decoding



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Package List