



孕龍科技股份有限公司
ZEROPLUS TECHNOLOGY CO.,LTD

Instrument Business Department

DMX512 Specification

Version :V1.01

Content

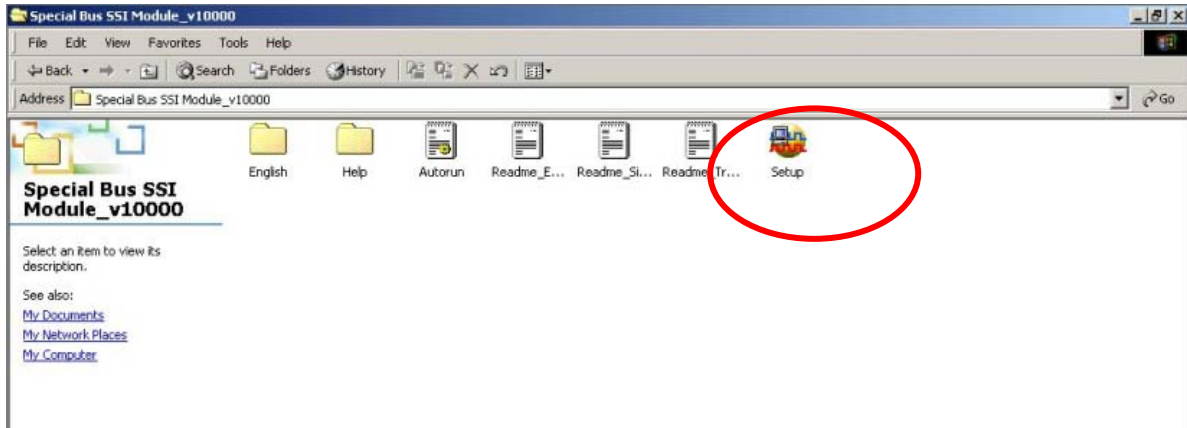
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1 Software Installation

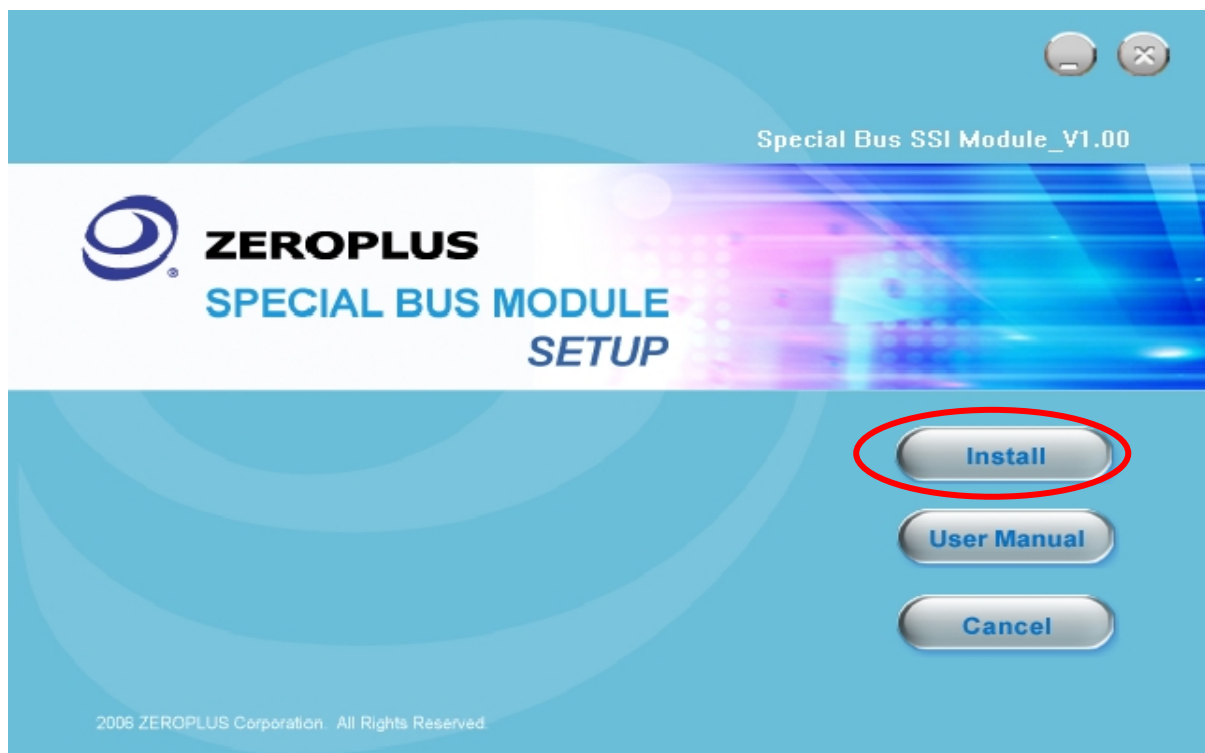
Please follow below steps to install the software:

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

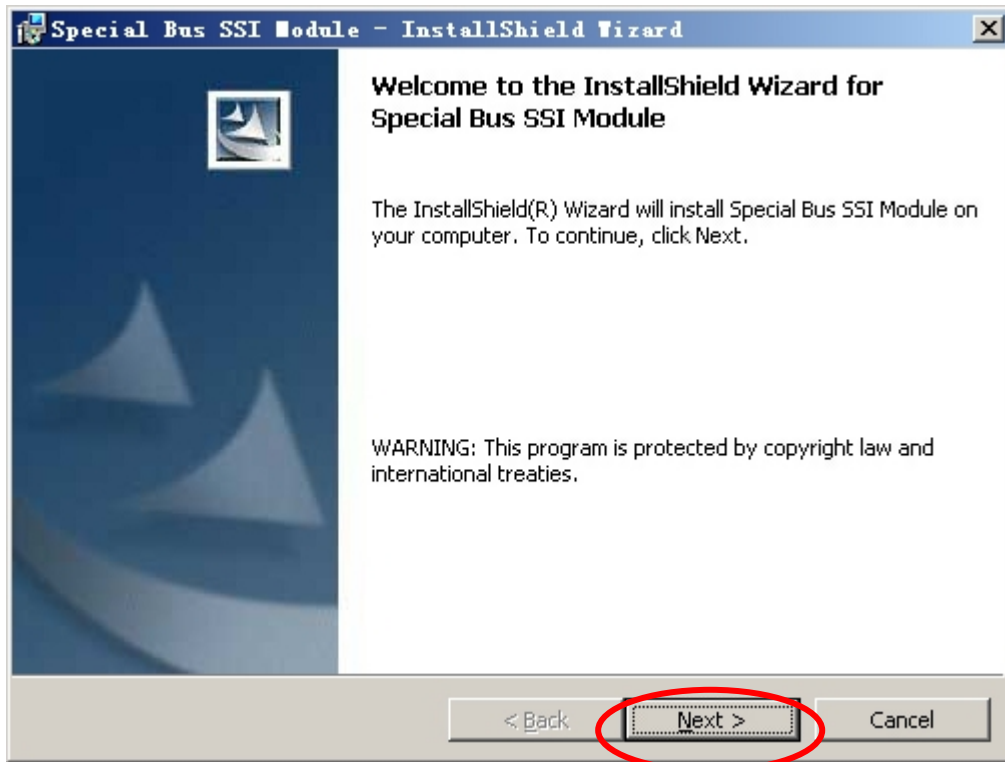
STEP1. Install Bus Module



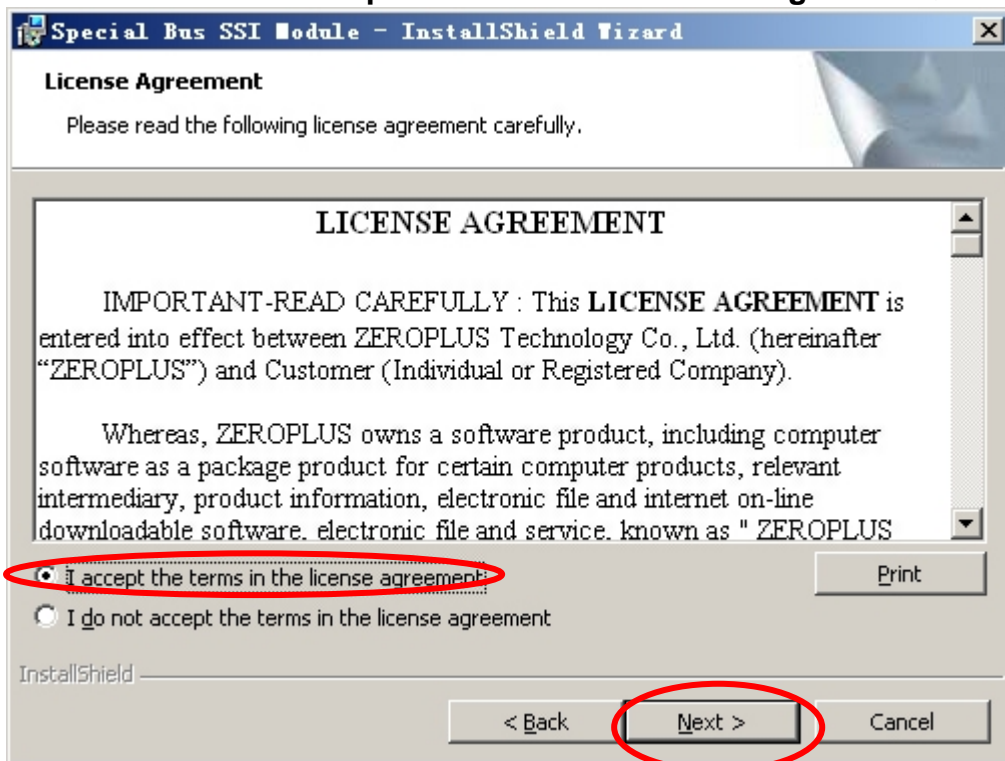
STEP 2. Click **Install**.



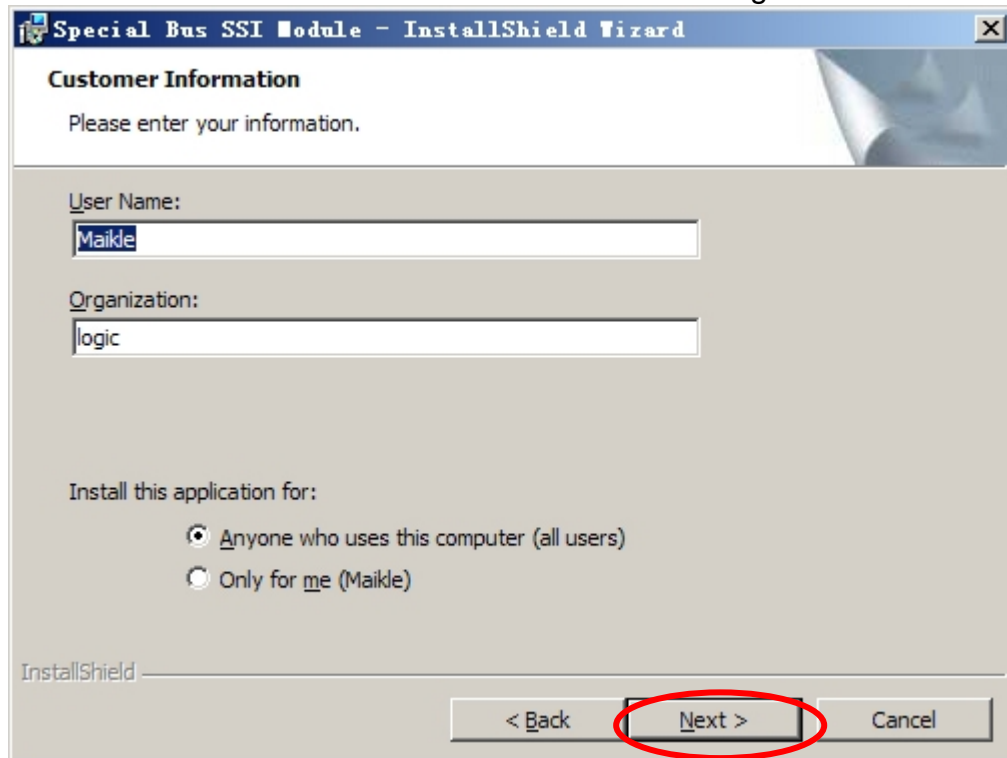
STEP 3. Click **Next**.



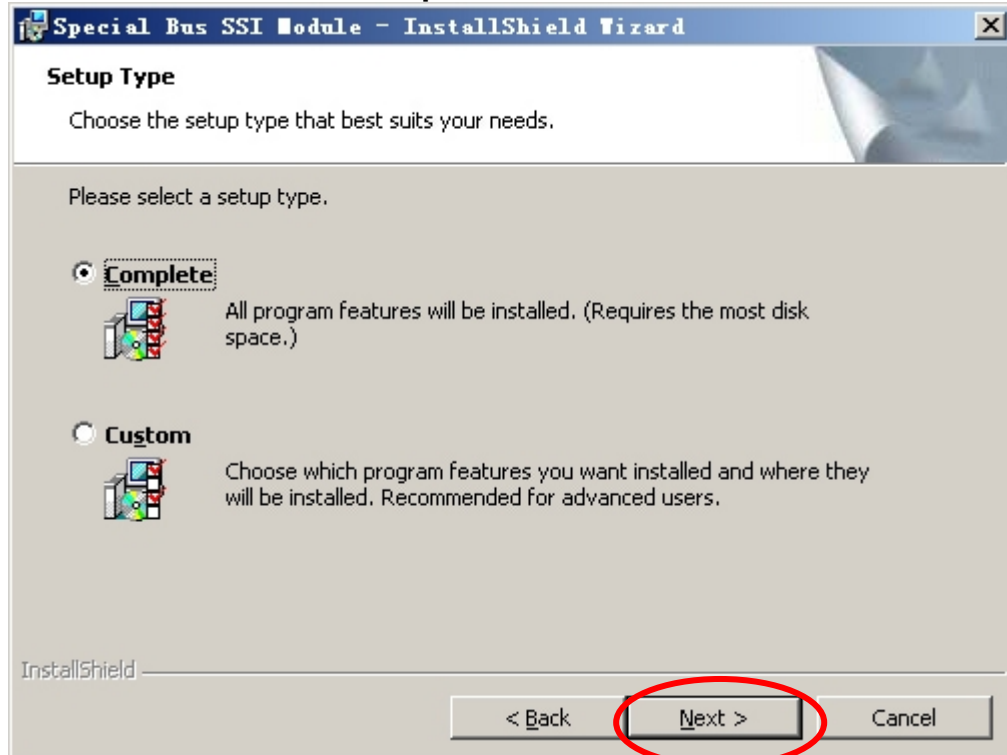
STEP 4. Select **I accept the terms in the license agreement**, and then press **Next**.



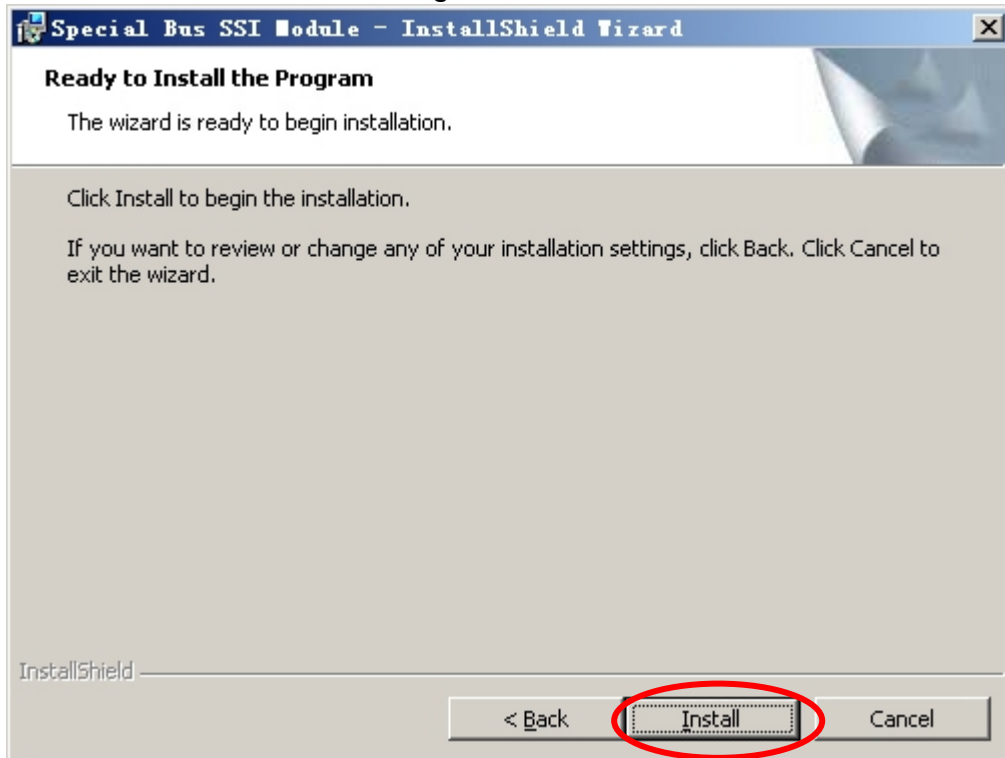
STEP 5. Fill in user information in the below dialogue window and click **Next**.



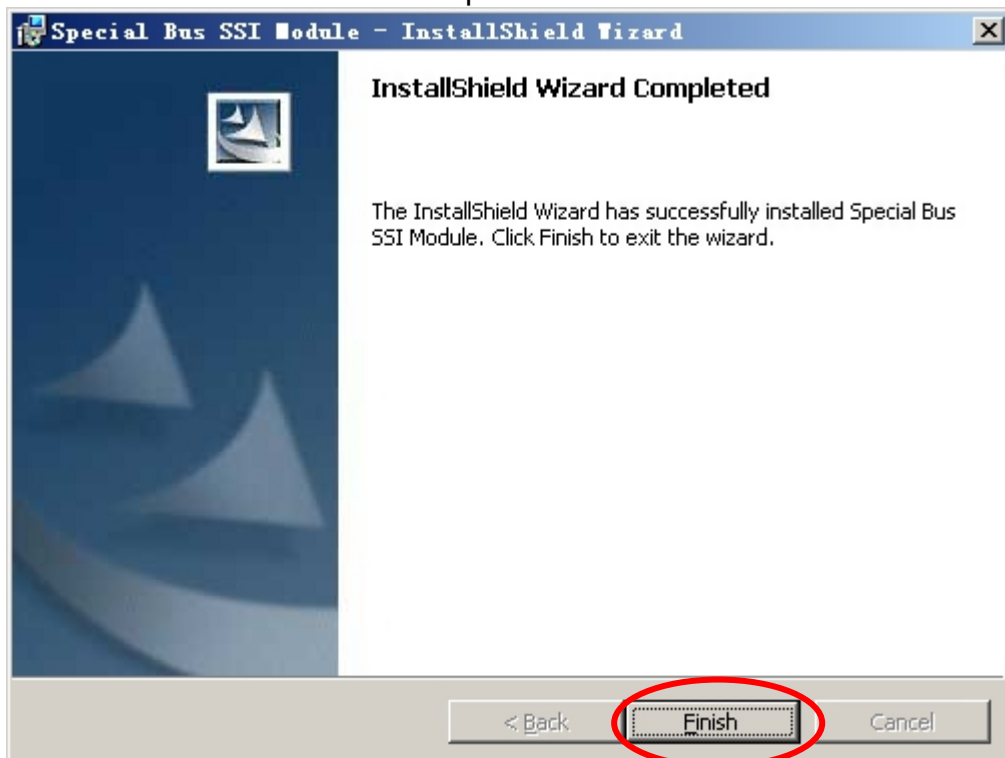
STEP 6. First, select **Complete** and then click **Next**.



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



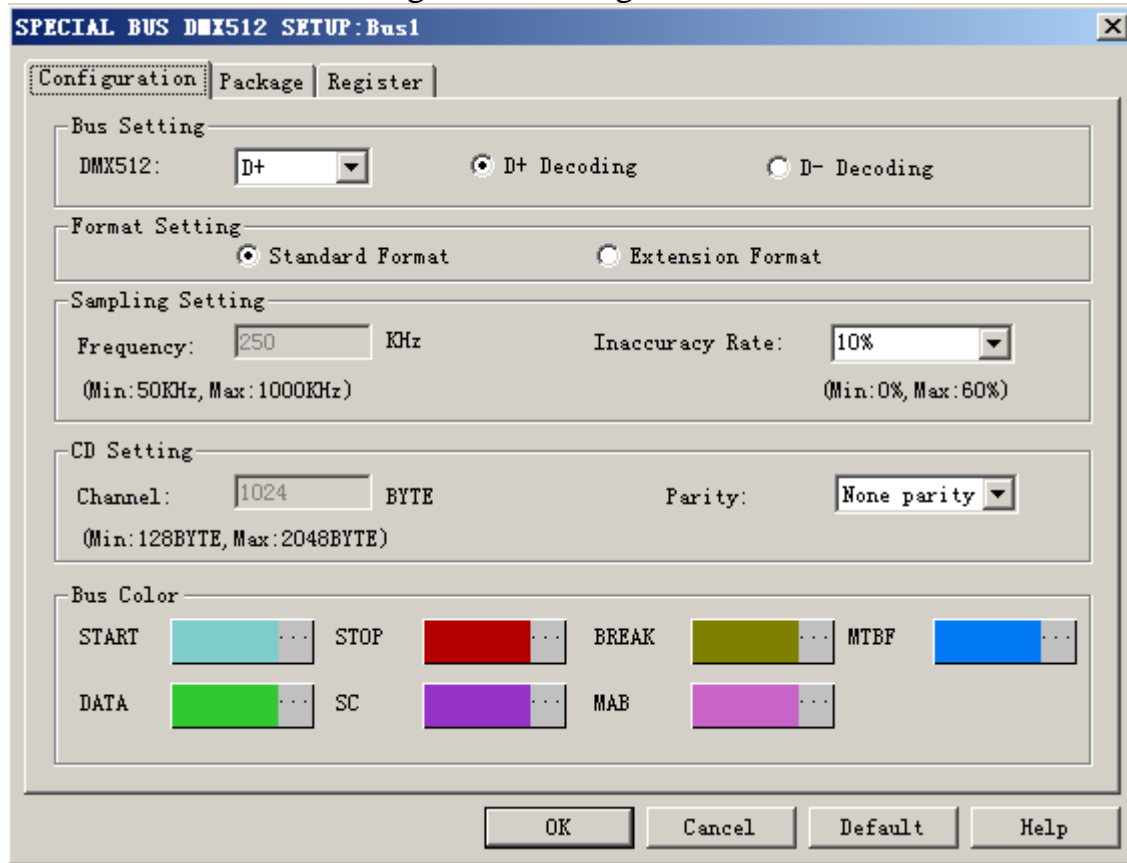
STEP8 . Click **Finish** to complete the installation.



2 User Interface

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

DMX512 MODULE Configuration dialog box



Bus setting:

There are two channels(D+or D-) for selection, the decoding items includes D+ decoding and D- decoding.

Format setting

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

Sampling setting

The Frequency can be set within 50KHz ~1000KHz.

The Inaccuracy rate is from 10% to 60%, the default is 10%.

CD setting

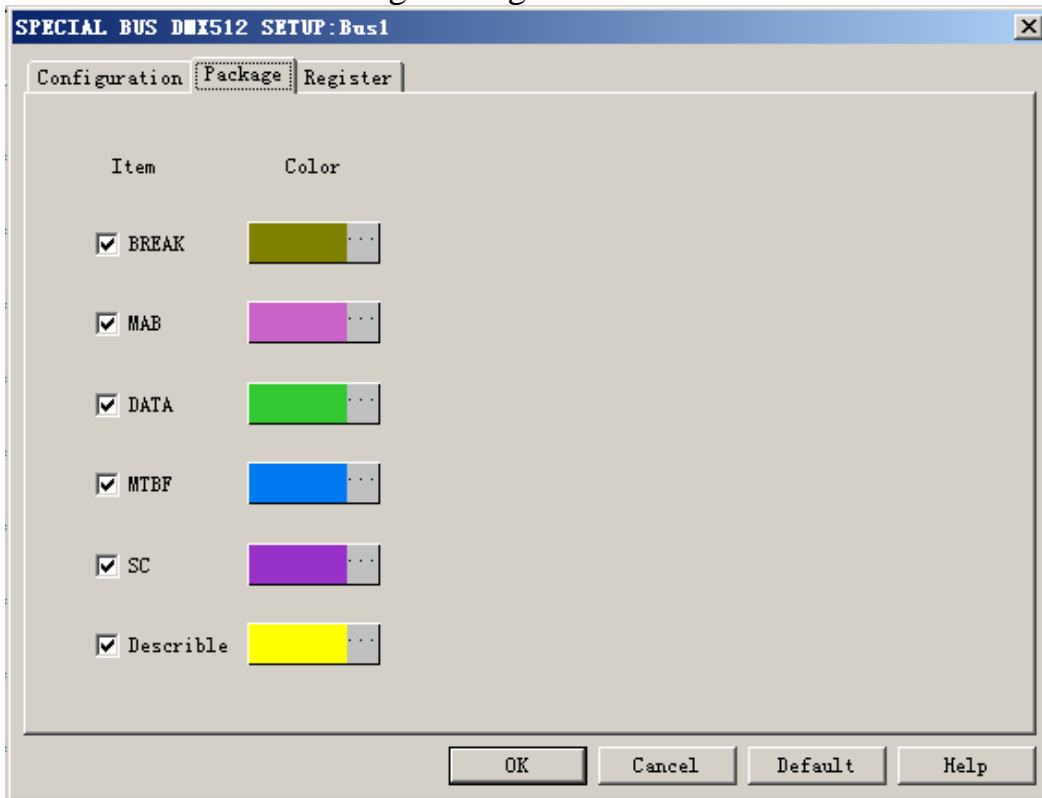
The length can be set within 128BYTE t~ 2048 BYTE in the Extension Format .

There are None parity ,odd parity and even parity for Parity setting ,and the default is None parity.

Bus color

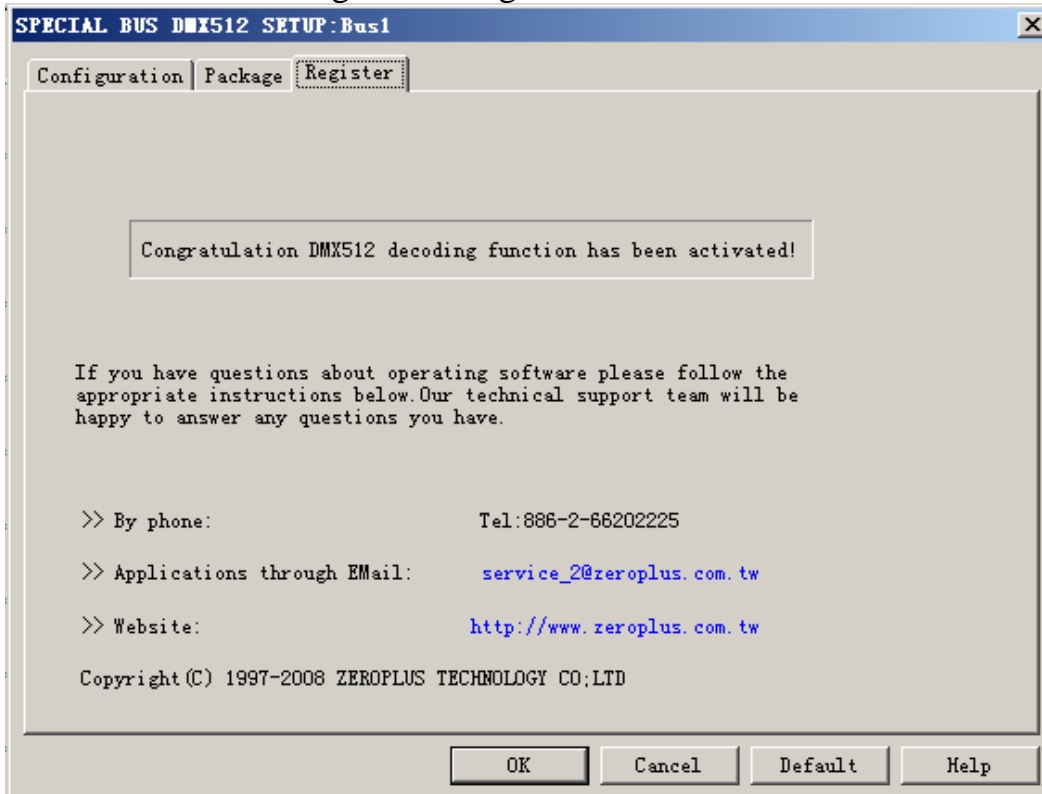
User can vary the Bus color.

DMX512 MODULE Package dialogue window



In the package dialog, user can vary the color of items.

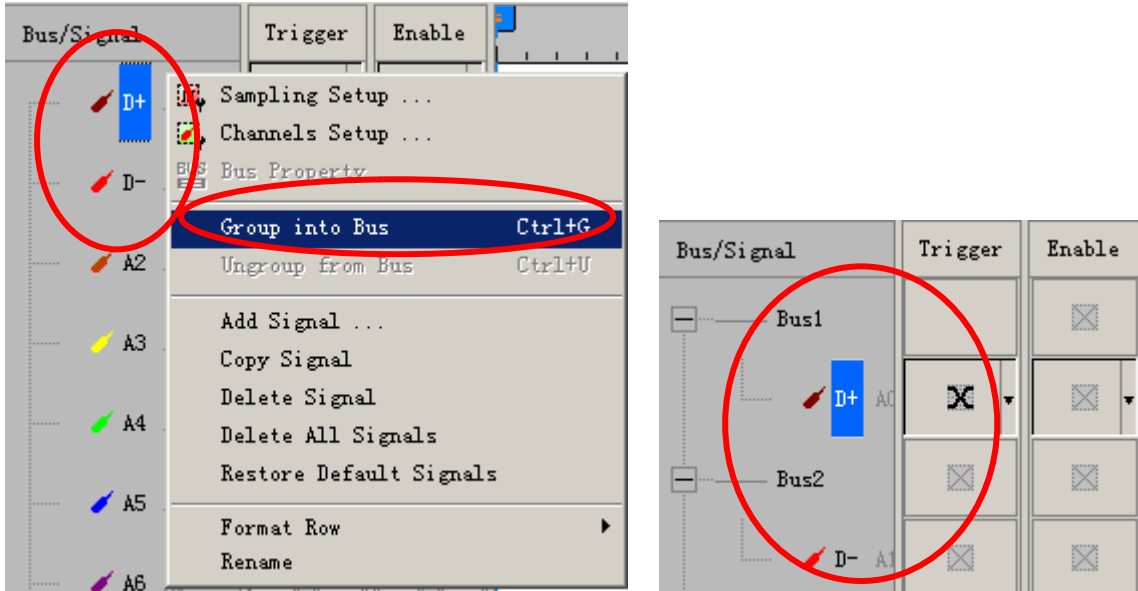
DMX512 MODULE Register dialog box.



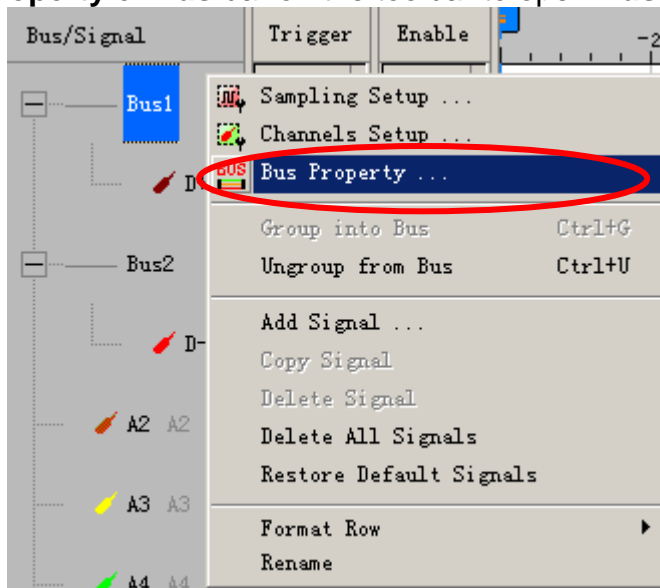
There is Zeroplus company information. If you have any questions about software Operations, please feel free to contact Zeroplus by Telephone or Email.

3 Operation Instructions

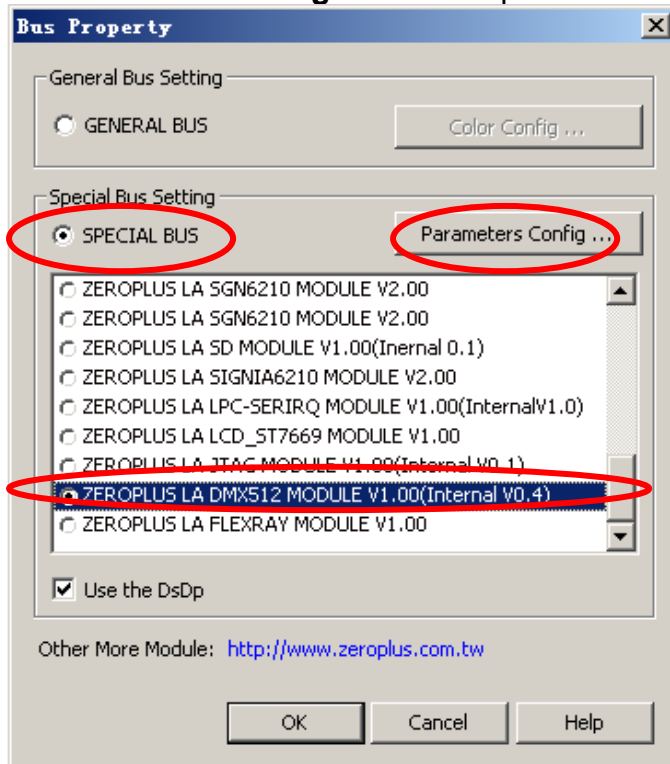
STEP 1. At first, Group the unanalyzed channels into bus1 by pressing the **Right Key** on mouse.



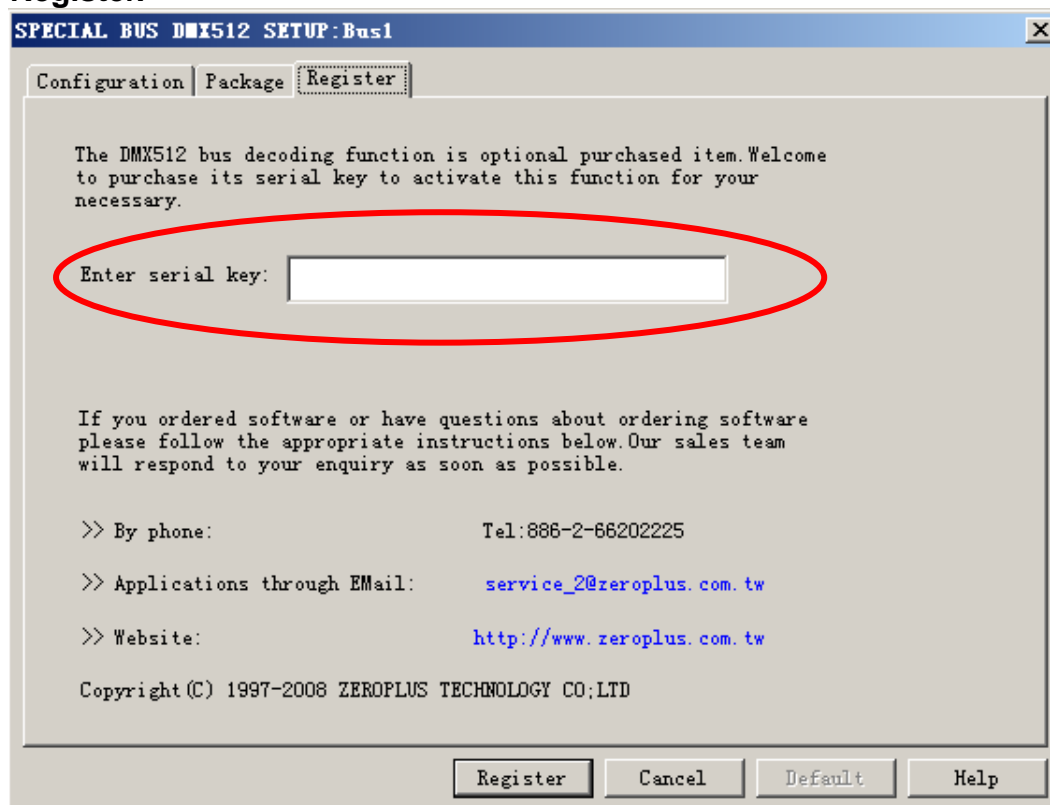
STEP 2. Select **Bus1**, then press **Right key** on mouse to list menu, then press **Bus Property** or **Bus** bar on the toolbar to open **Bus Property** dialog box.



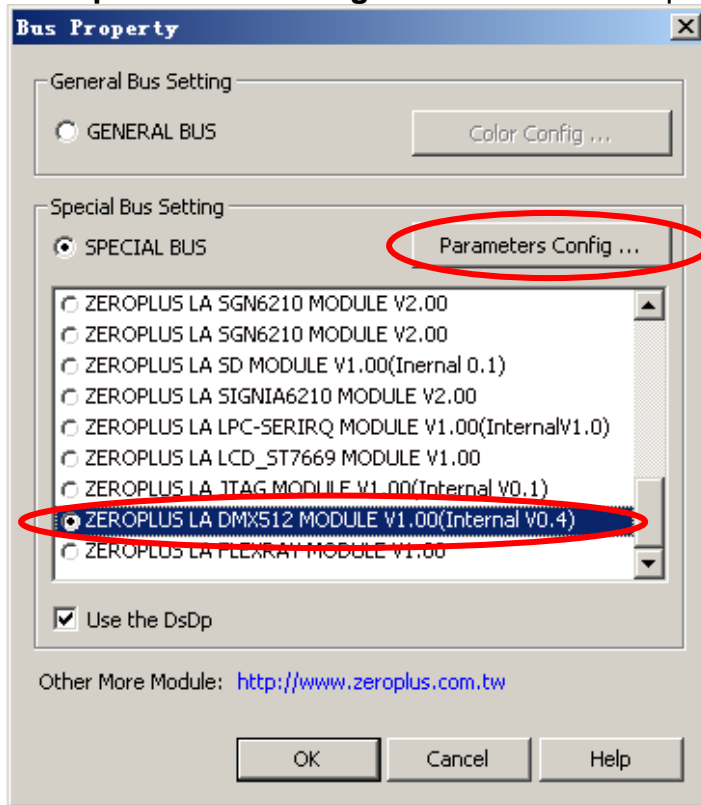
STEP 3. For Special Bus FLEXRAY Parameter Configuration, select Special Bus, and then choose “ZEROPLUS LA DMX512 MODULE V1.00(Internal V0.4)”. Next click **Parameters Configuration** to open **Parameters Configuration** dialog box.



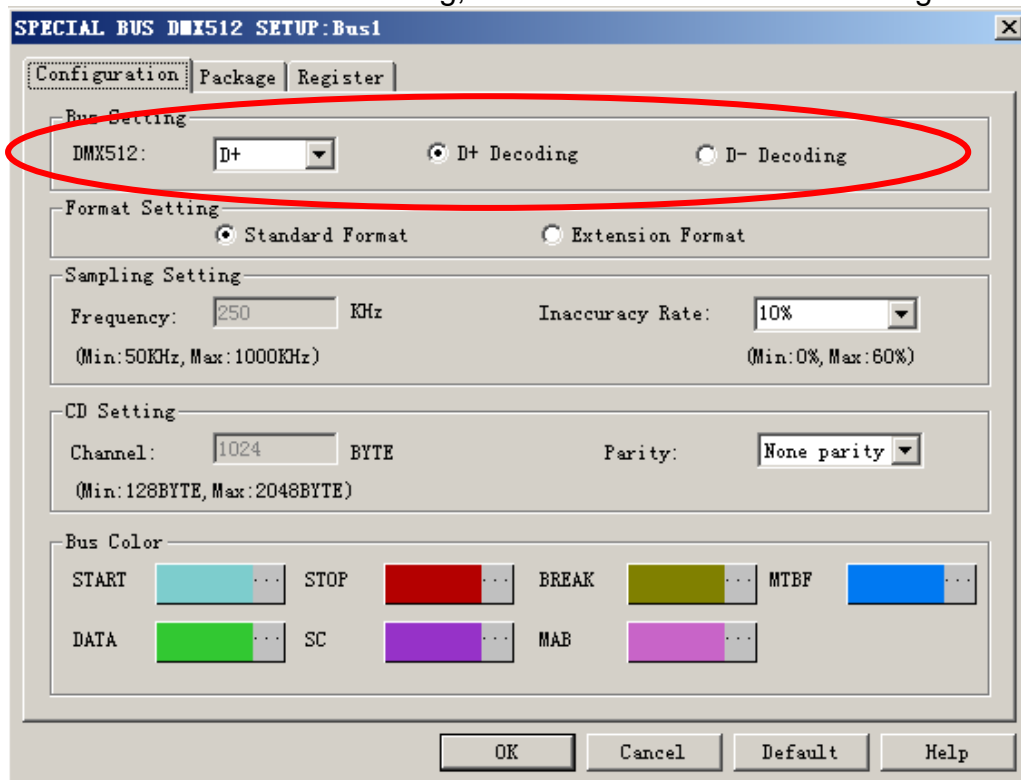
STEP 4. Press Register tab to type the serial key number of logic analyzer. Then, press **Register**.



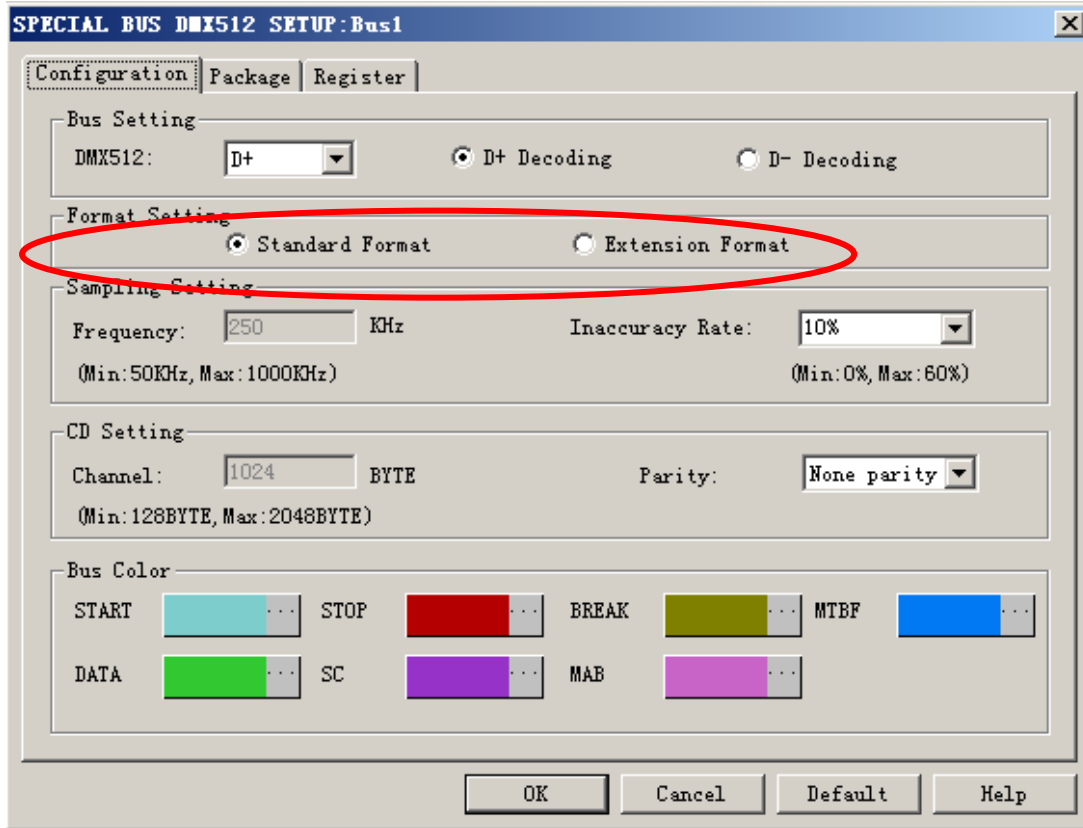
STEP 5. After completing registration, come back to the **Bus property** dialog box, then click the **parameters configuration** to start the Special Bus DMX512 setup.



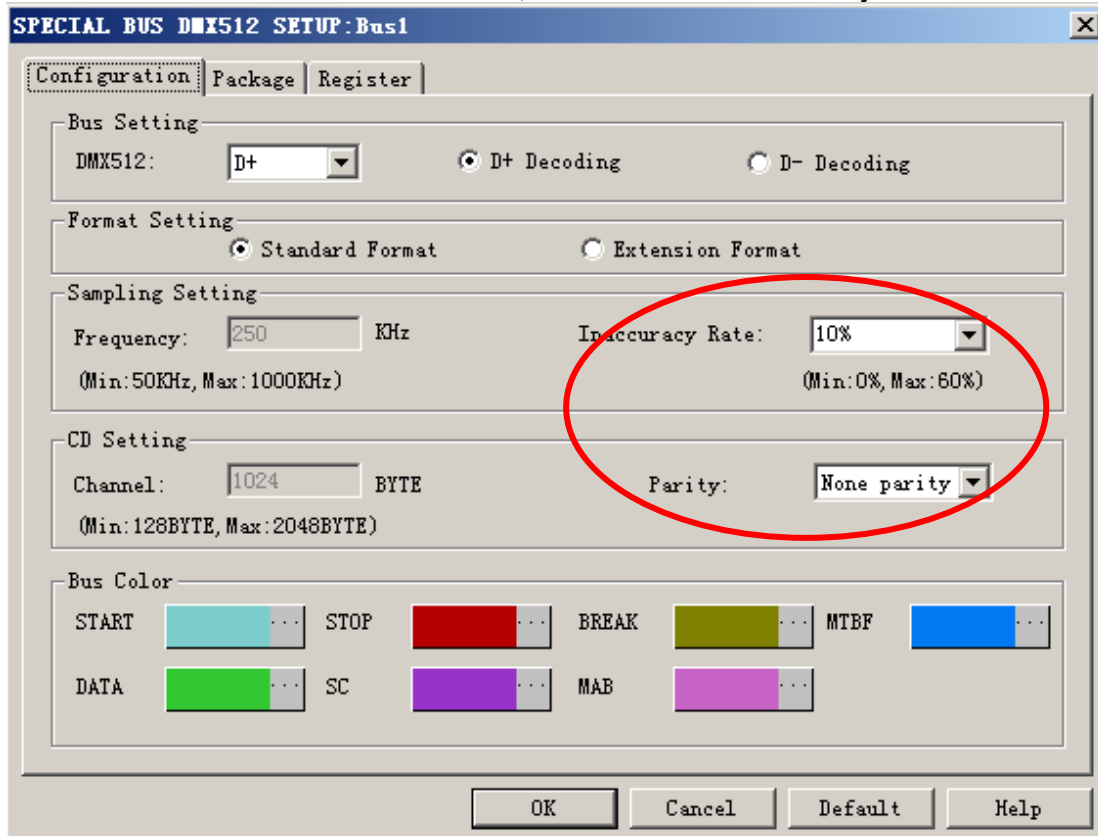
STEP 6. DMX512 Bus setting, user can select the D+ decoding or D- decoding.



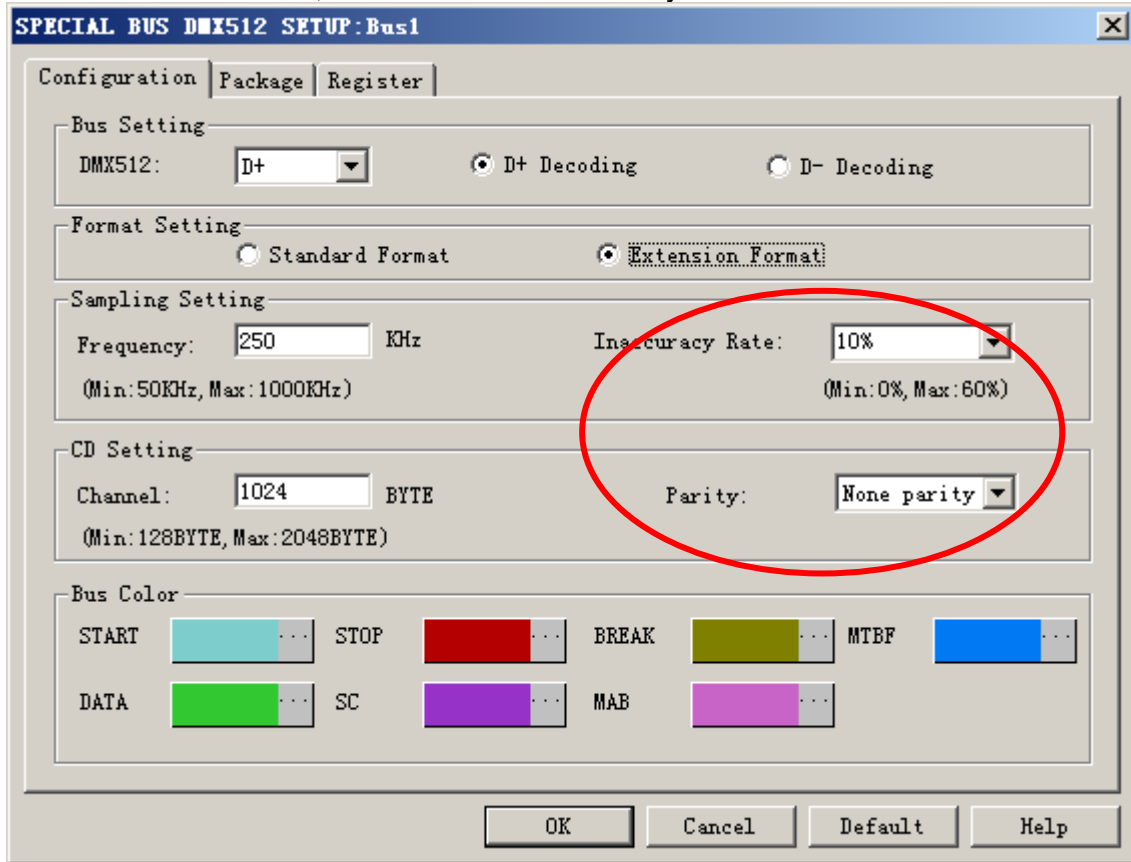
STEP 7. There are Standard Format and Extension Format for Format setting.



STEP 8. Select the Standard Format, and to estimate the Inaccuracy rate according to the characters of hardware and software ,the defaulted Inaccuracy Rate is +/-10%.

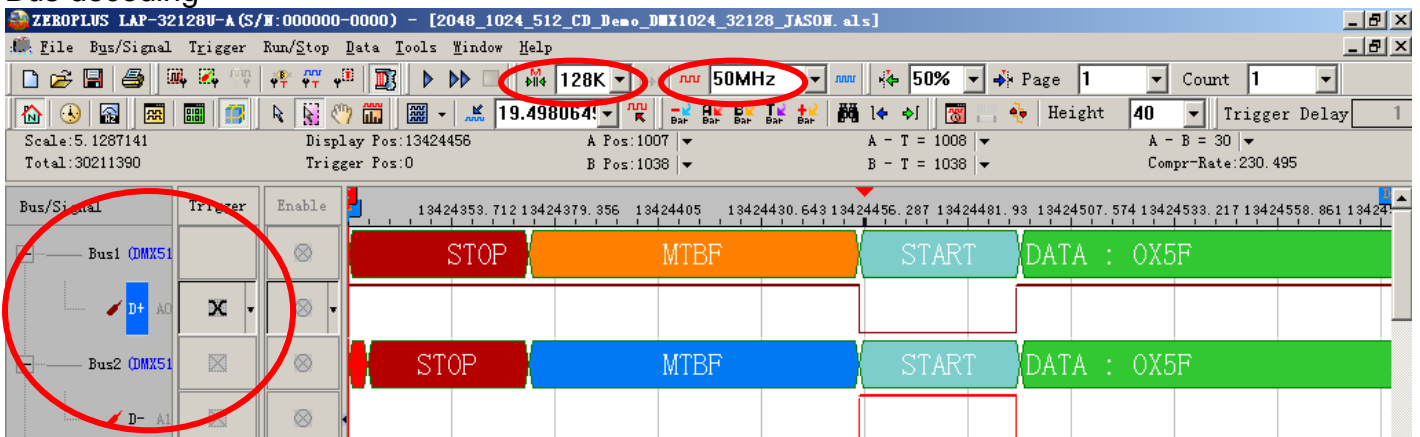


STEP 9. Select Extension Format, to set the Frequency ,the BYTE of CD(CHANNEL)length , then to estimate the Inaccuracy Rate according to the characters of hardware and software, the defaulted Inaccuracy rate is +/-10%.



STEP 10. Following pictures show that the completion of the Bus decoding and package list. The conditions are set as Either edge, Memory depth is 128K, Sampling frequency is 50MHz.

Bus decoding



Package list

