



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

SPECIFICATION

MODEL: 006-LAP-CAN 2.0B-M

PART NO : _____

VERSION : V1.31

Approver		Check	Design
GM	PM		

Customer Confirm

* Please fax the file to
Zeroplus Technology
after signing .

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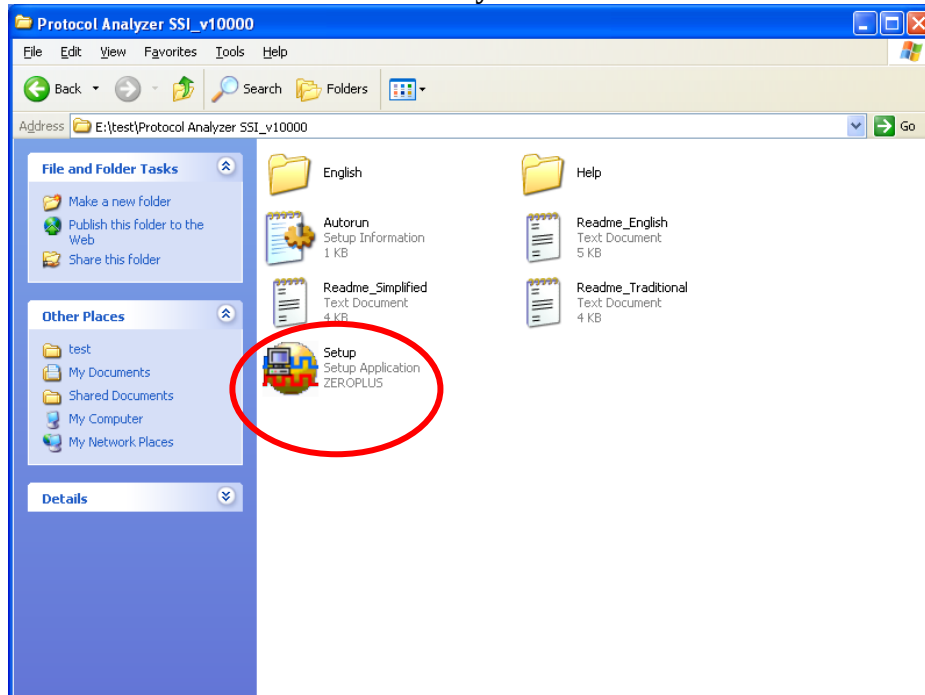


1 Software Installation

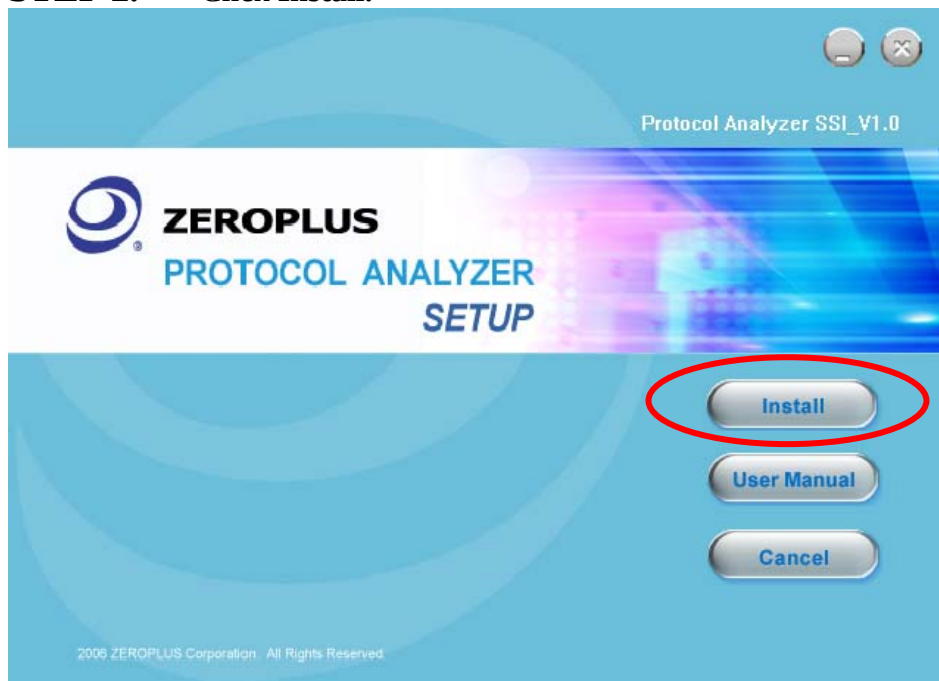
Please install the software as the following steps:

- ※ 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.

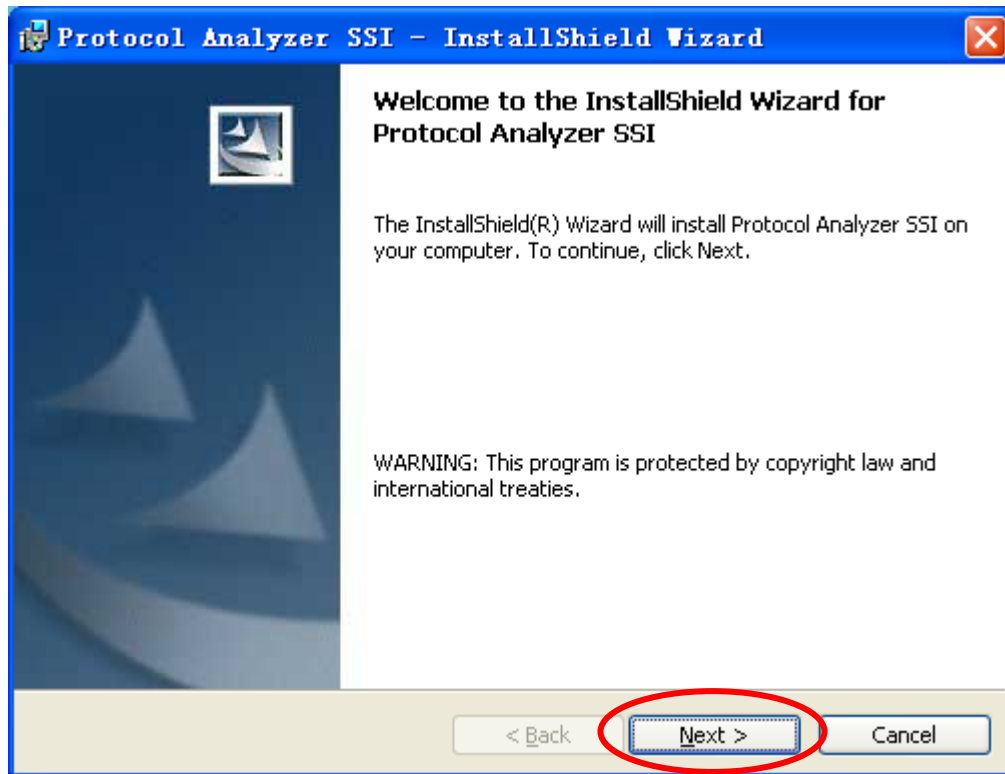


STEP 2. Click Install.

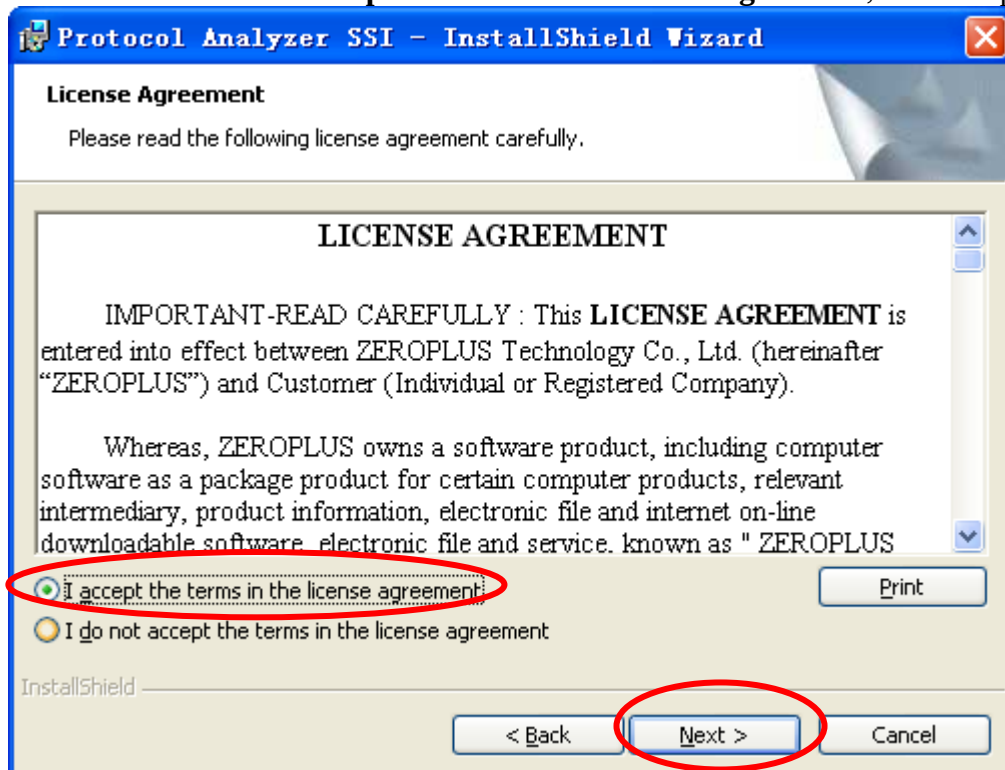




STEP 3. Click Next.



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**.

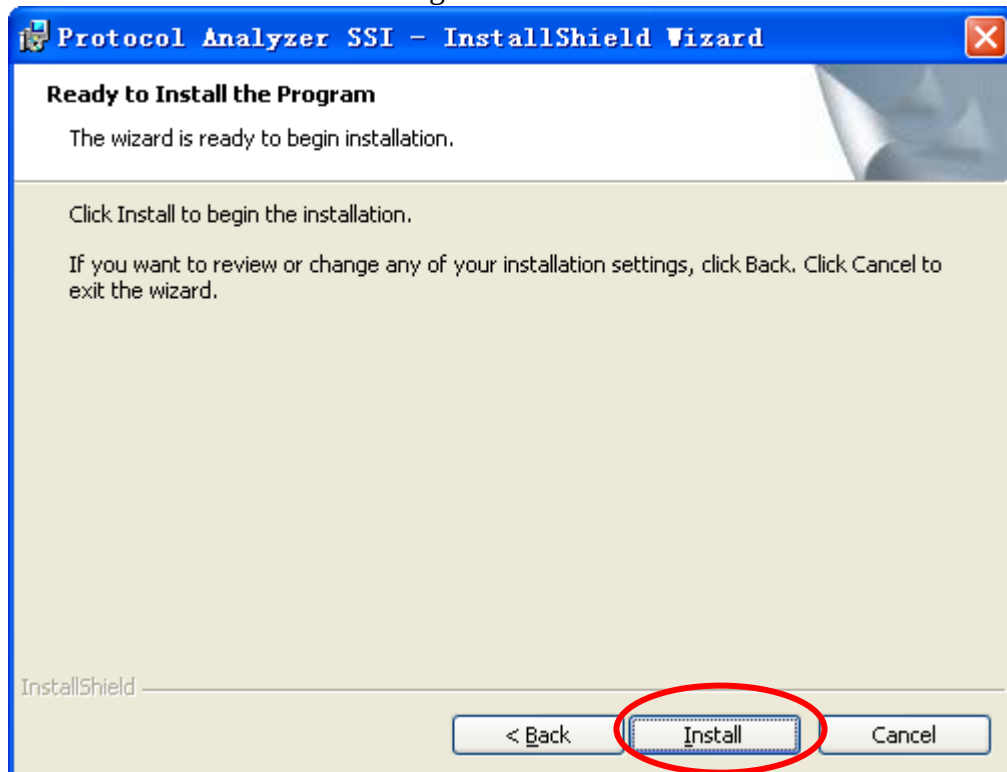
The dialog box is titled "Protocol Analyzer SSI - InstallShield Wizard". It has a "Customer Information" section with the instruction "Please enter your information." Below this are two text input fields: "User Name:" with the value "sunshine" and "Organization:" with the value "zeroplus". There is a section "Install this application for:" with 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".

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

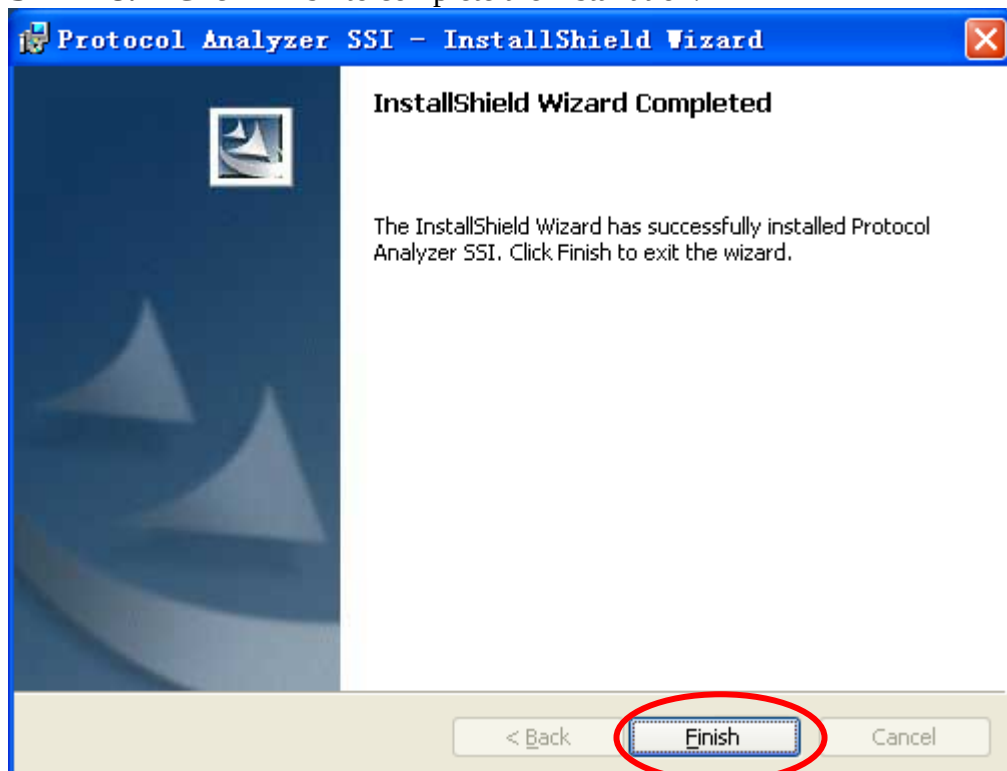
The dialog box is titled "Protocol Analyzer SSI - InstallShield Wizard". It has a "Setup Type" section with the instruction "Choose the setup type that best suits your needs." Below this is the text "Please select a setup type." There are two radio button options: "Complete" (which is selected) and "Custom".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



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



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

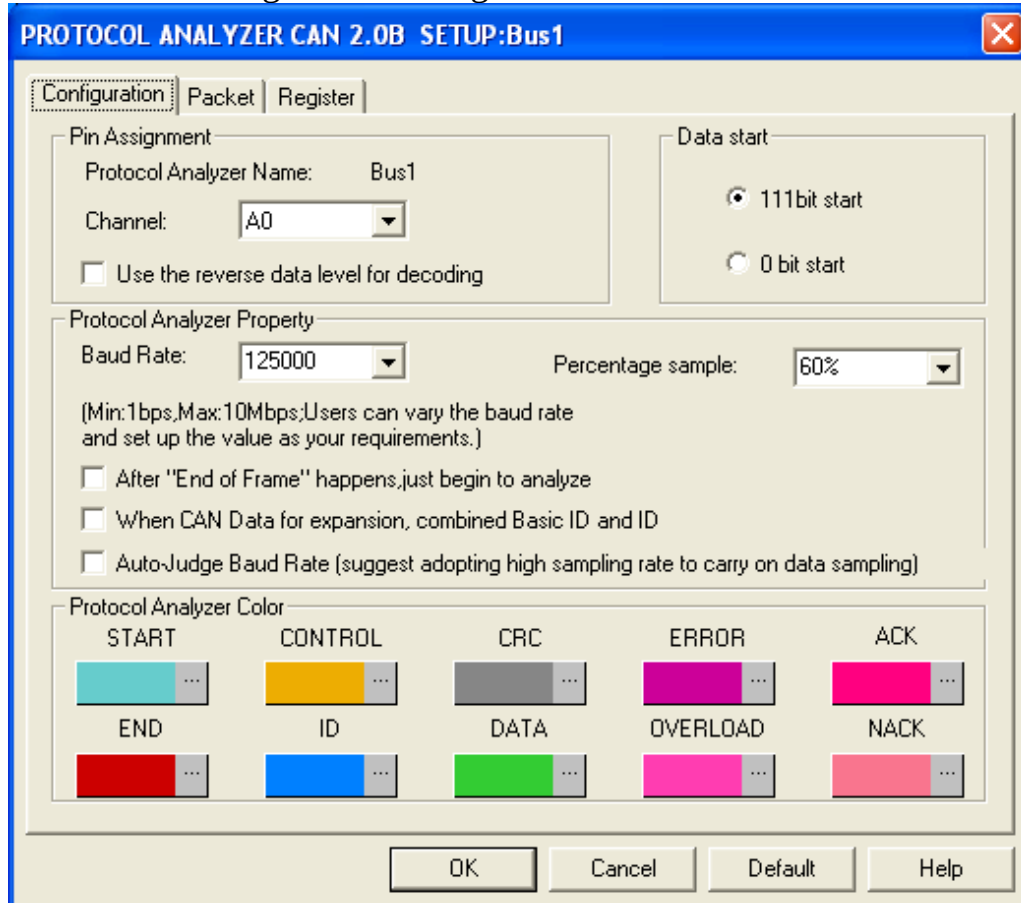




2 User Interface

Please refer to the below images to select options of setting **CAN 2.0B MODULE**.

CAN 2.0B Configuration dialog box



CAN 2.0B: CAN2.0B signal has two types, which are CANL & CANH; the default is CANL.

Use the reverse level for decoding: It can use the data to make reverse operation.

Data start: The Data start can has two types; the 111 bit is a high start, and the 0 bit is the low start.

Protocol Analyzer Property:

Baud Rate: Input the Baud Rate by hand, it is an integer. The default is 125K; the option value includes 5,10,20,40,50,80,100,125,200,250,400,500,660,800,1000,2000,.....the Max is 10M. Users can vary the baud rate from the drop-down menu or enter a value as your requirements.

Percentage sample: It needs to input the sample position in the Baud Rate; the default is 60%; the range is 25%-75%; the adjusted resolution is 1%; the option menu is 5% space for one option.

If choose the below menu, it must stop format, then start data decoding.

CAN 2.0B data for expansion: To combine Basic ID and ID.

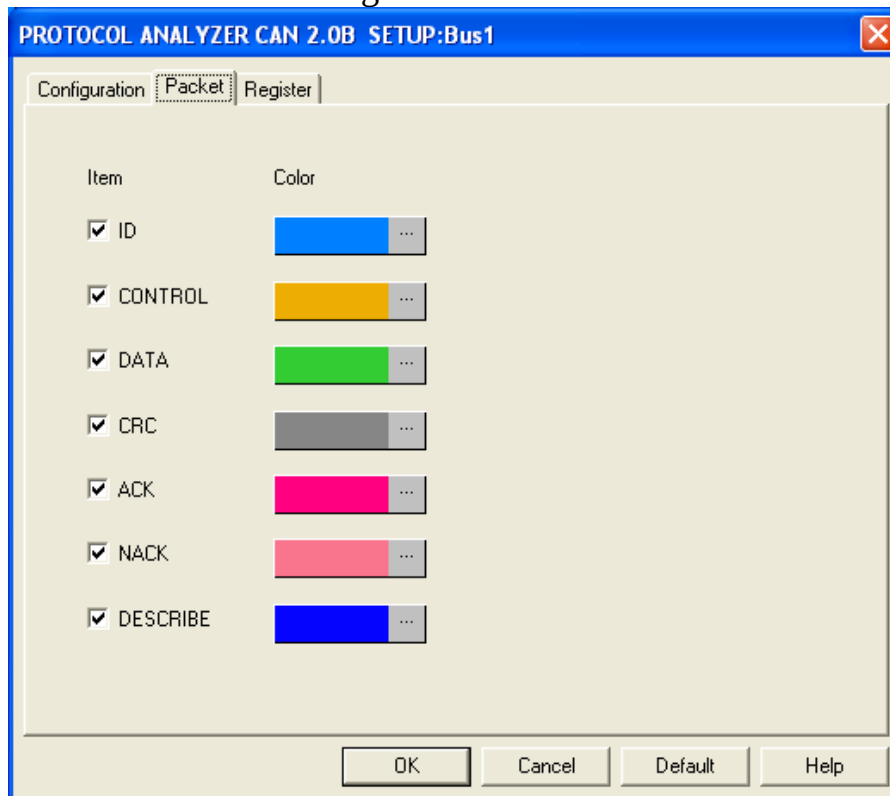
If Auto-Judge Baud Rate is activated, the program can judge the baud rate automatically to display the value of the baud rate on the dialog box.

Protocol Analyzer Color:

The protocol analyzer colors can be varied by users.

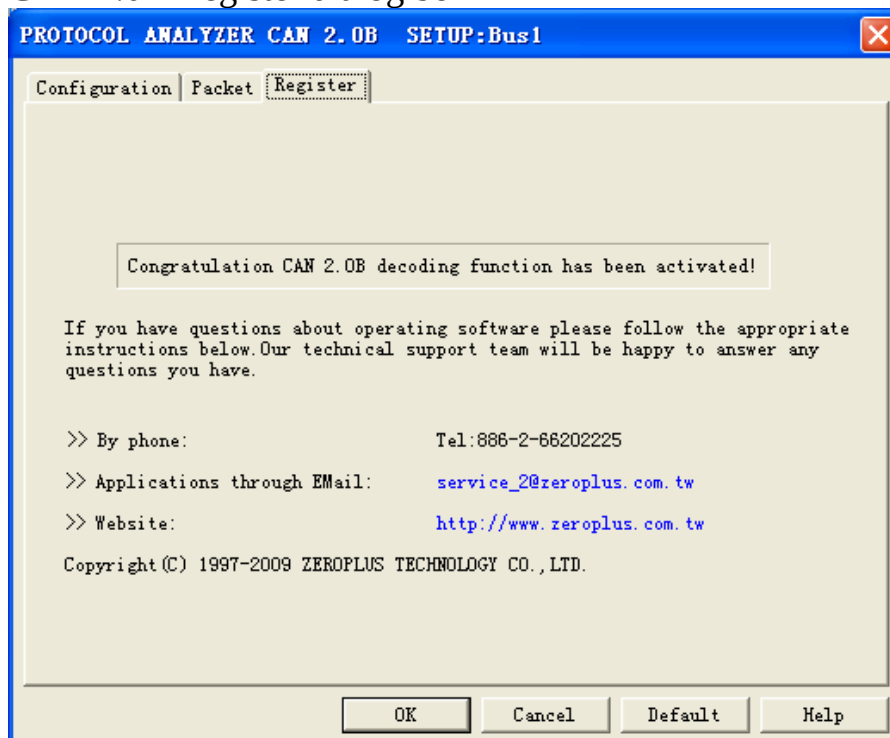


CAN 2.0B Packet dialog box



In the packet part, users can select the items and colors configuration according to users' requirements.

CAN 2.0B Register dialog box

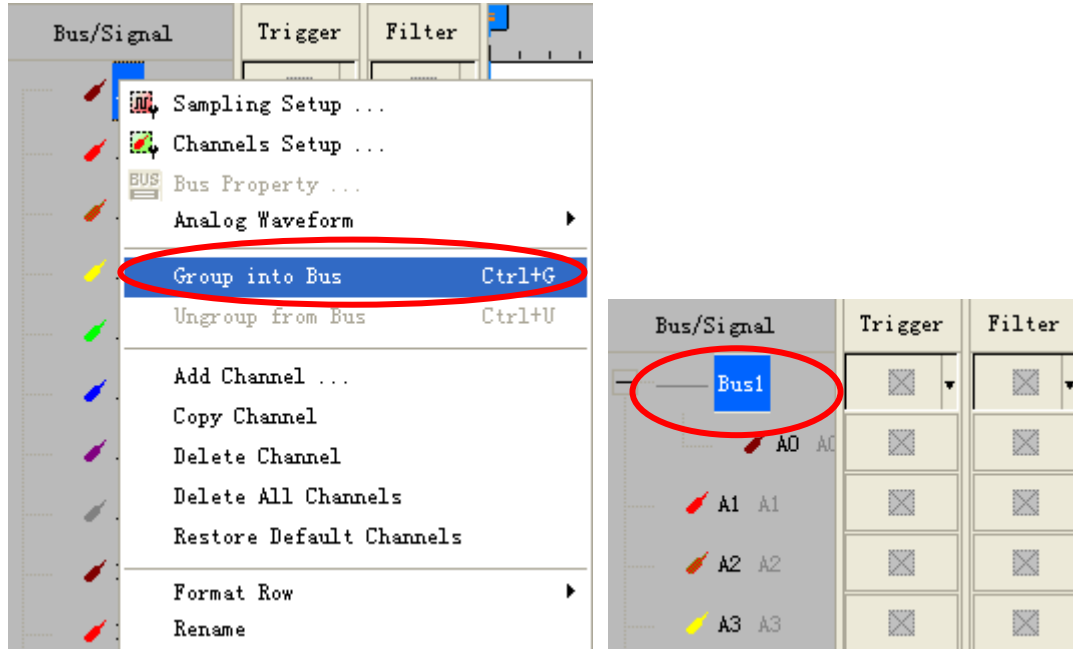


There is ZeroPlus company information. If you have any questions about software operations, you can contact ZeroPlus by Telephone or Email.

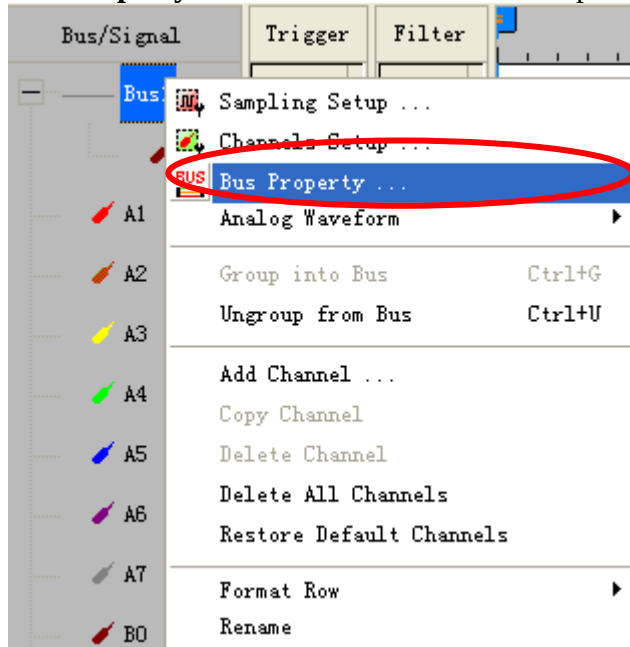


3 Operating Instructions

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

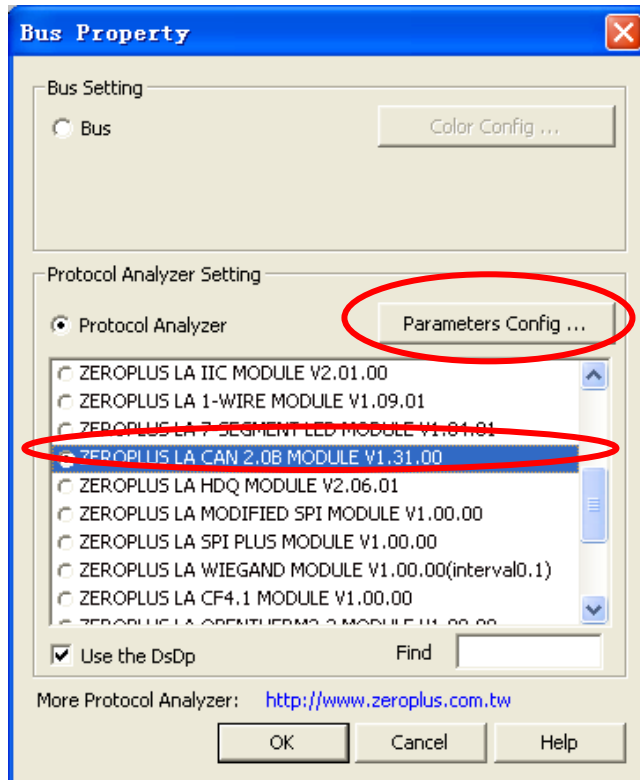


STEP 2. Select **Bus1**, then press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus bar** on the toolbar to open **Bus Property** dialog box.

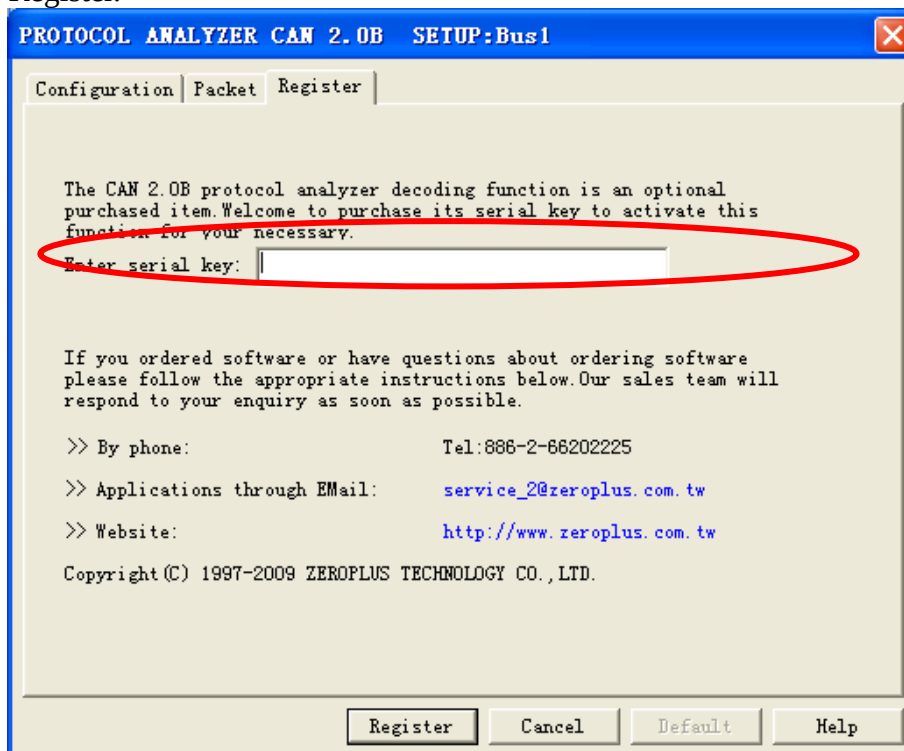




STEP 3. Protocol Analyzer Setting. Click Protocol Analyzer and select **ZEROPLUS LA CAN 2.0B MODULE V1.31.00** and click the **Parameters Configuration**.

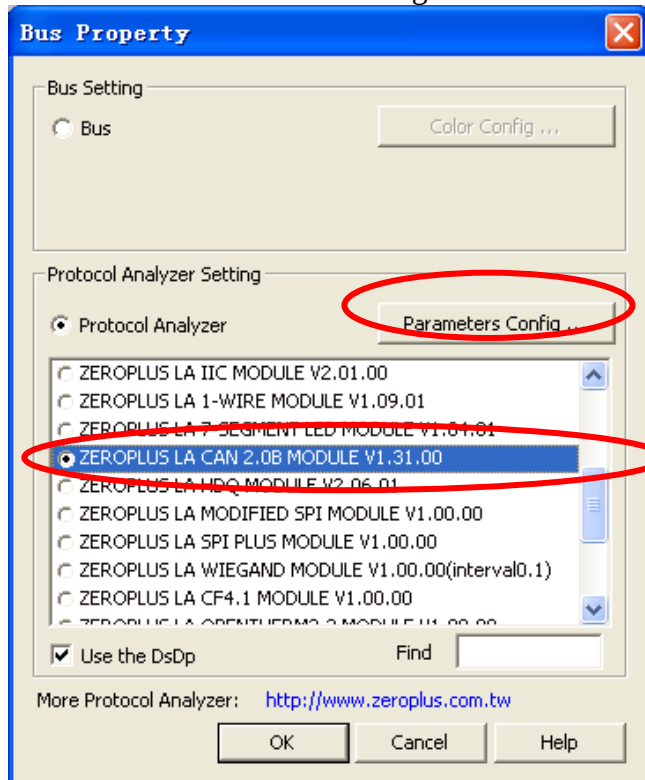


STEP 4. Press Register tab to type the serial key number of **CAN 2.0B**. Then, press Register.

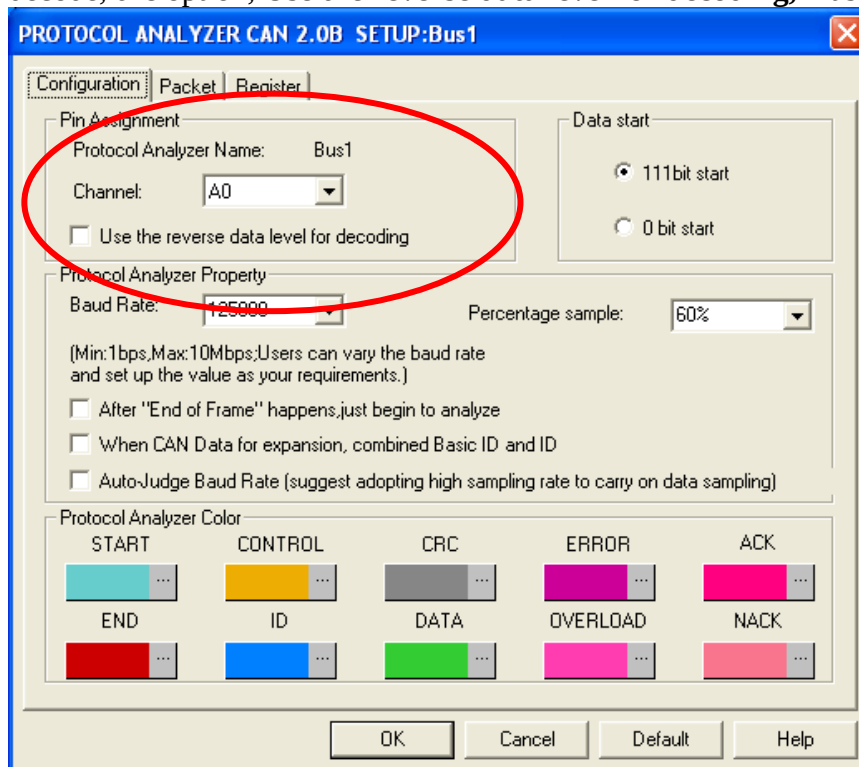




STEP 5. After completing **Register**, come back to the **Bus Property** dialog box, and then click the Parameters Configuration to start the Protocol Analyzer CAN 2.0B Setup.

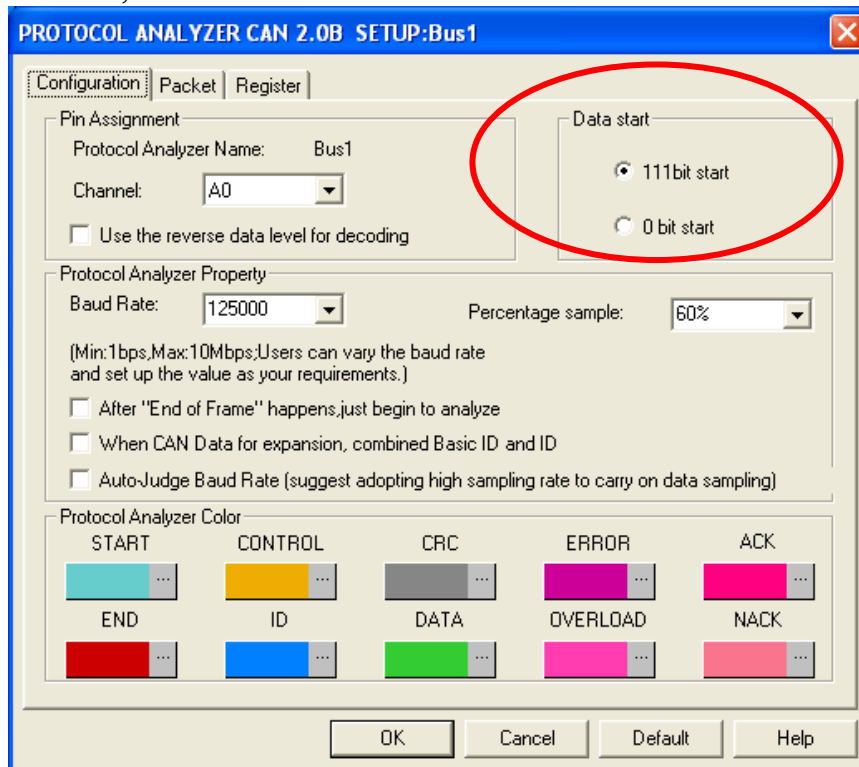


STEP 6. When using CAN 2.0B to analyze, one channel is enough to meet the needs. When the signal needs to be measured, CANL is selected to decode; if CANH is selected to decode, the option, **Use the reverse data level for decoding**, must be selected.

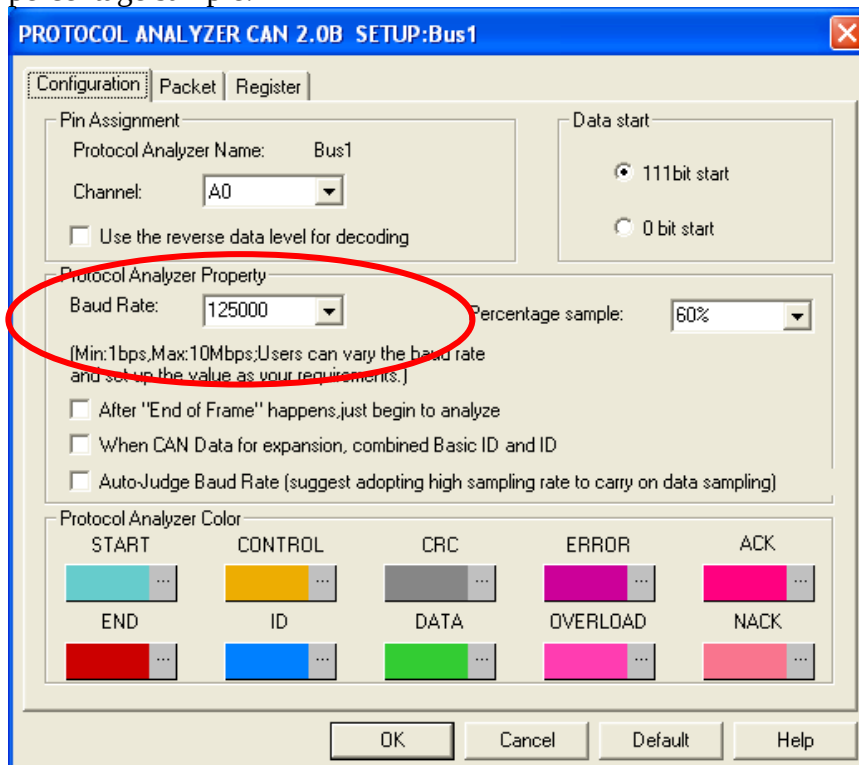




STEP 7. In the Data start configuration, the default is 111bit start, users can select whether judge the start position through the interval time, or, if the decoding is decoded from 0bit start, users can select 0bit to start.

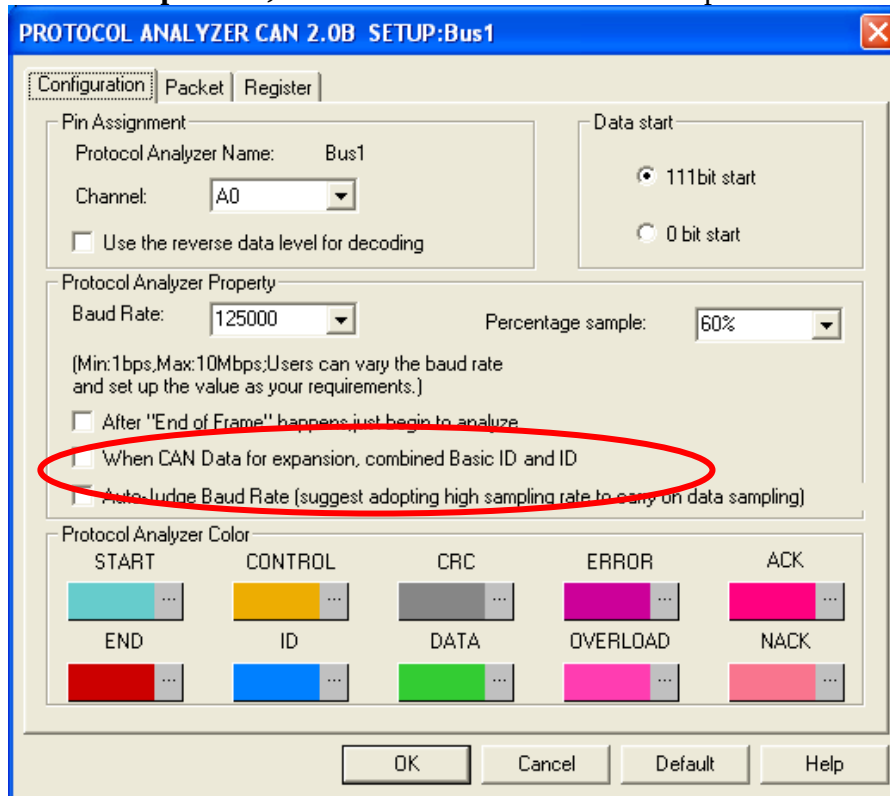


STEP 8. The baud rate can be varied from the drop-down menu or entered as users' requirements; the default is 125000bps. And the baud rate also can be varied according to the percentage sample.

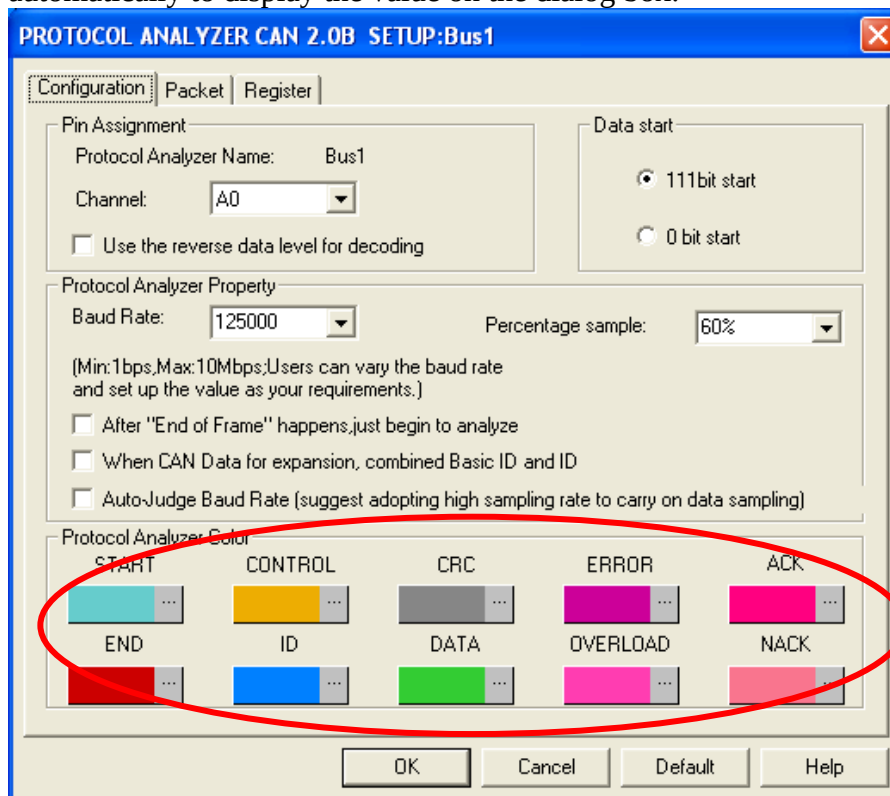




STEP 9. After “End of Frame” happens, just begin to analyze and When CAN 2.0B Data for expansion, combines Basic ID and ID Setup.

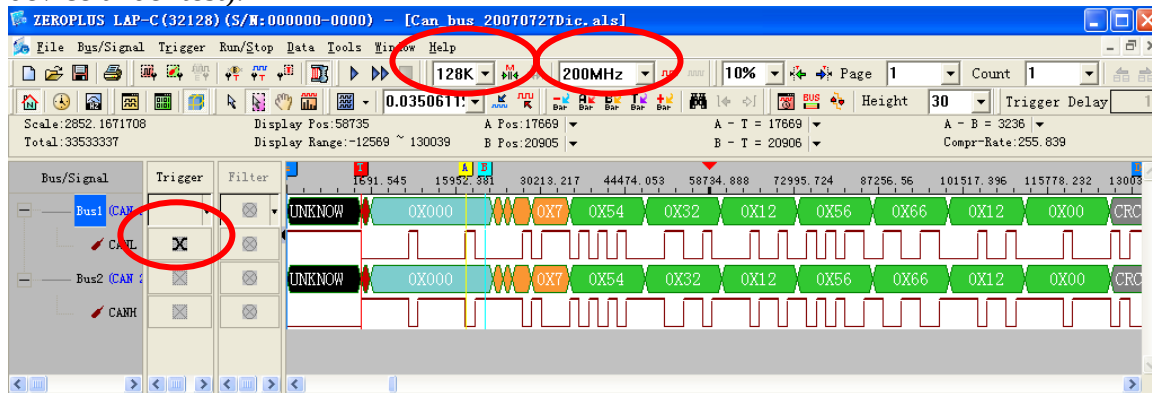


STEP 10. If Auto-Judge Baud Rate is activated, the program can judge the baud rate automatically to display the value on the dialog box.

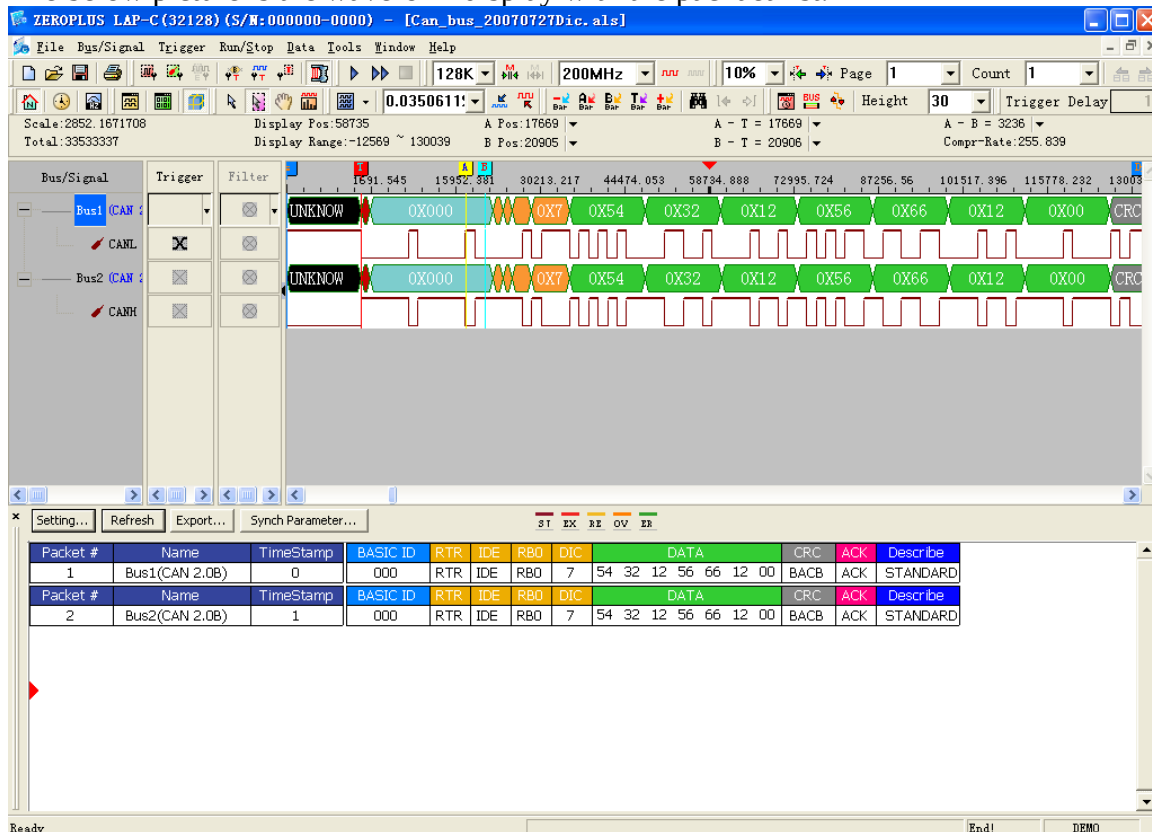




STEP 11. Following pictures show the completion of the protocol analyzer decoding. the Trigger condition of CANL is set as Either Edge; the Memory depth is 128K; the Sampling frequency is 200MHz (In fact, the sampling rate is better when it is as four time as that of the device under test).



The below picture is the waveform display with the packet list.



Support the function of Packet Format Select:

When pressing the STANDARD, EXTEND, REMOTE, OVERLOAD or ERROR Button, the corresponding packet will be displayed; when any of these buttons isn't to be pressed, all the packets will be displayed.