



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

SPECIFICATION

MODEL: ISO7816 UART Specification

PART NO : B08033

VERSION : V1.00

Approver		Check	Design
GM	PM		

Customer Confirm

* After signature you fax to zeroplus company , please .



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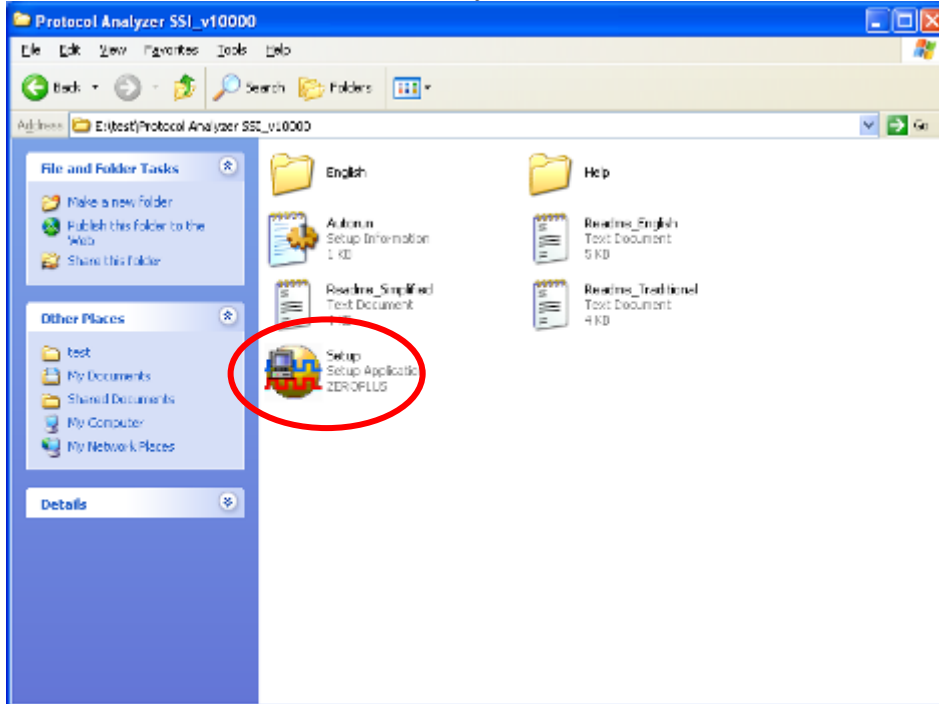


1 Software Installation

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.

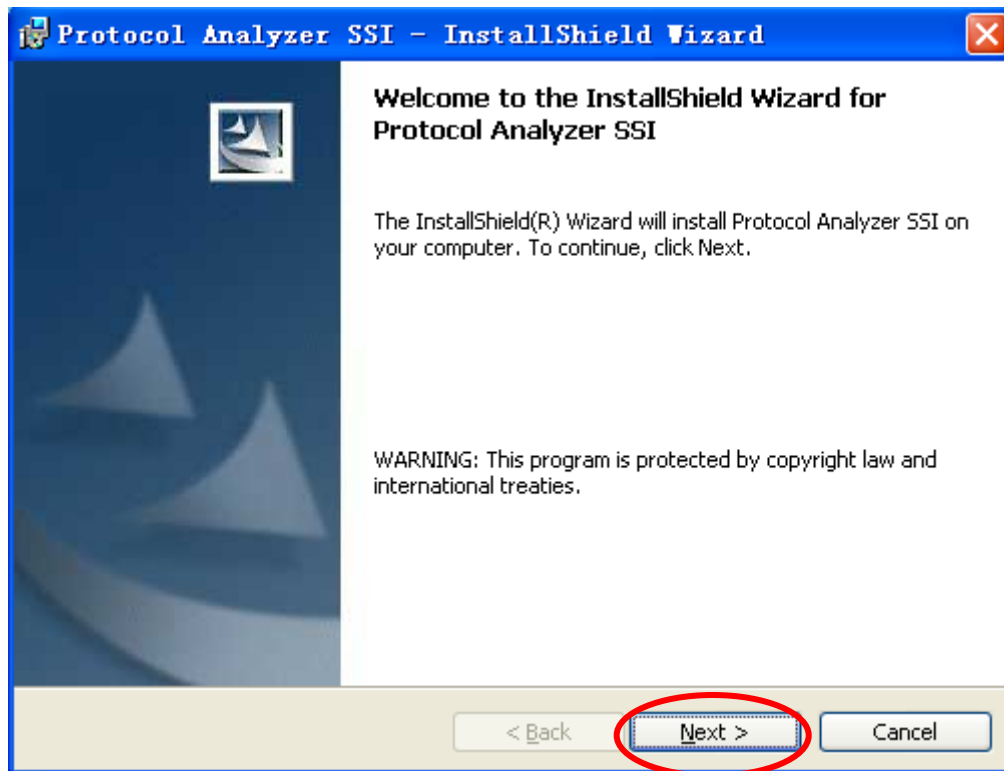


STEP 2. Click **Install**.

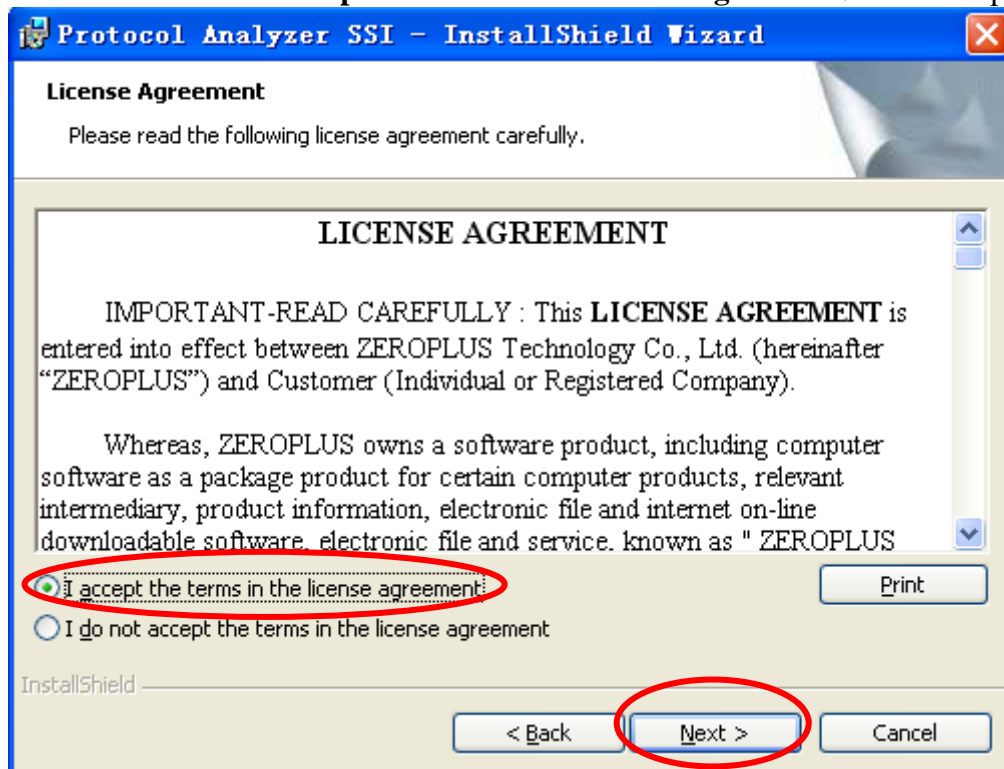




STEP 3. Click Next.

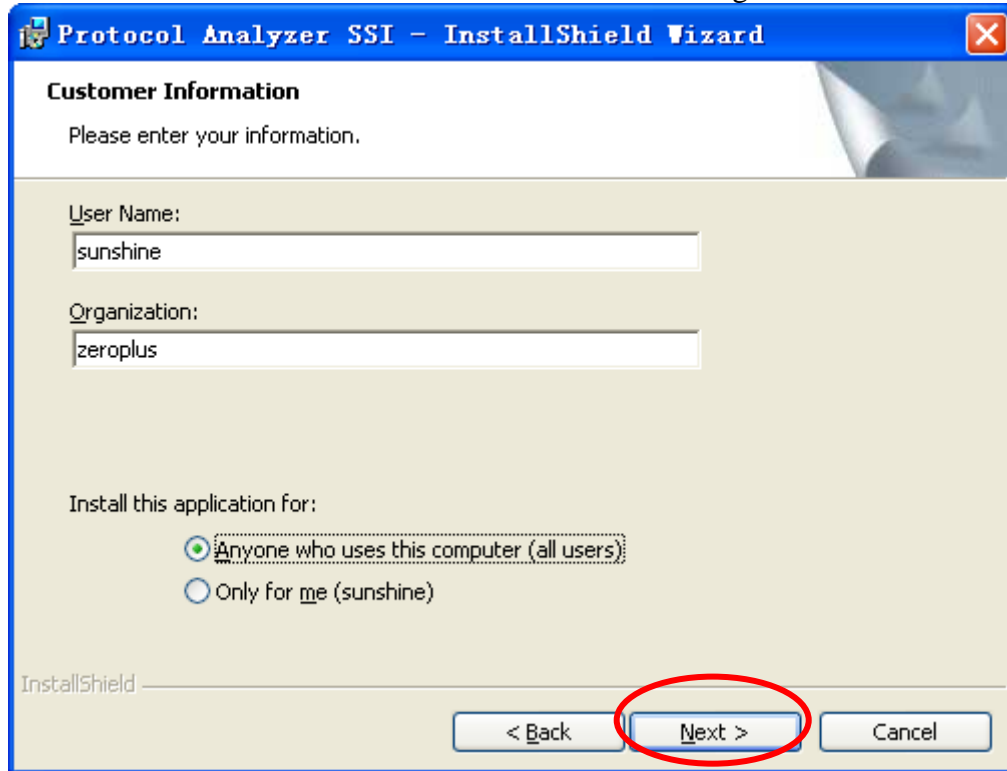


STEP 4. Select **I accept the terms in the license agreement**, and then press Next.

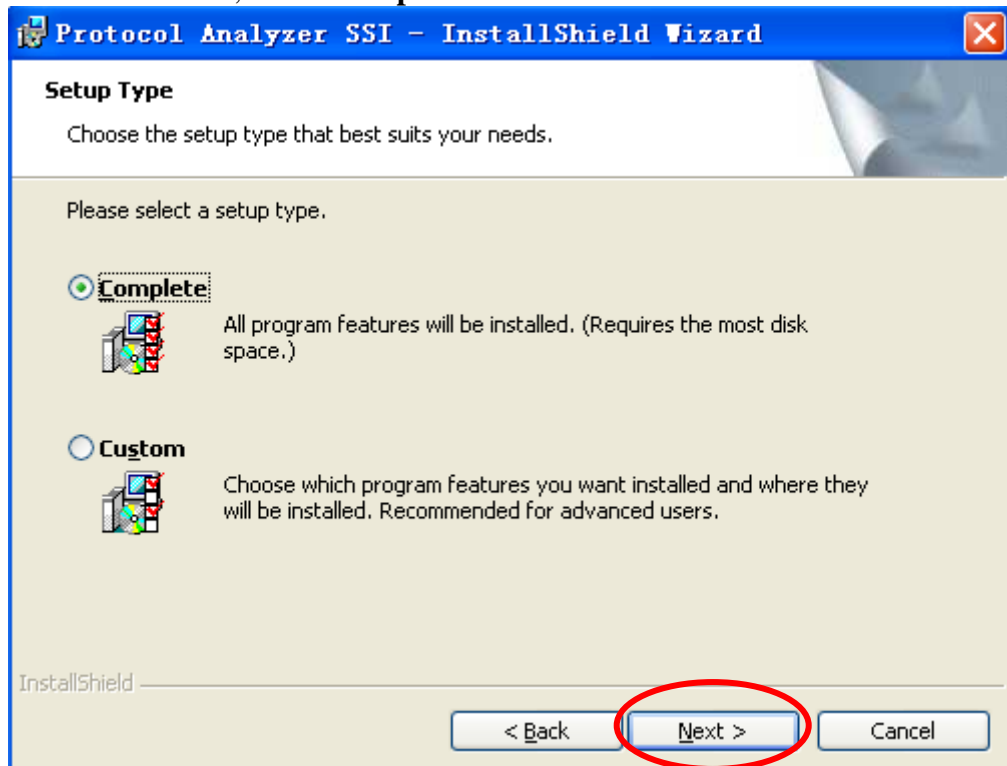




STEP 5. Fill in users' information in the below dialog box and click **Next**.

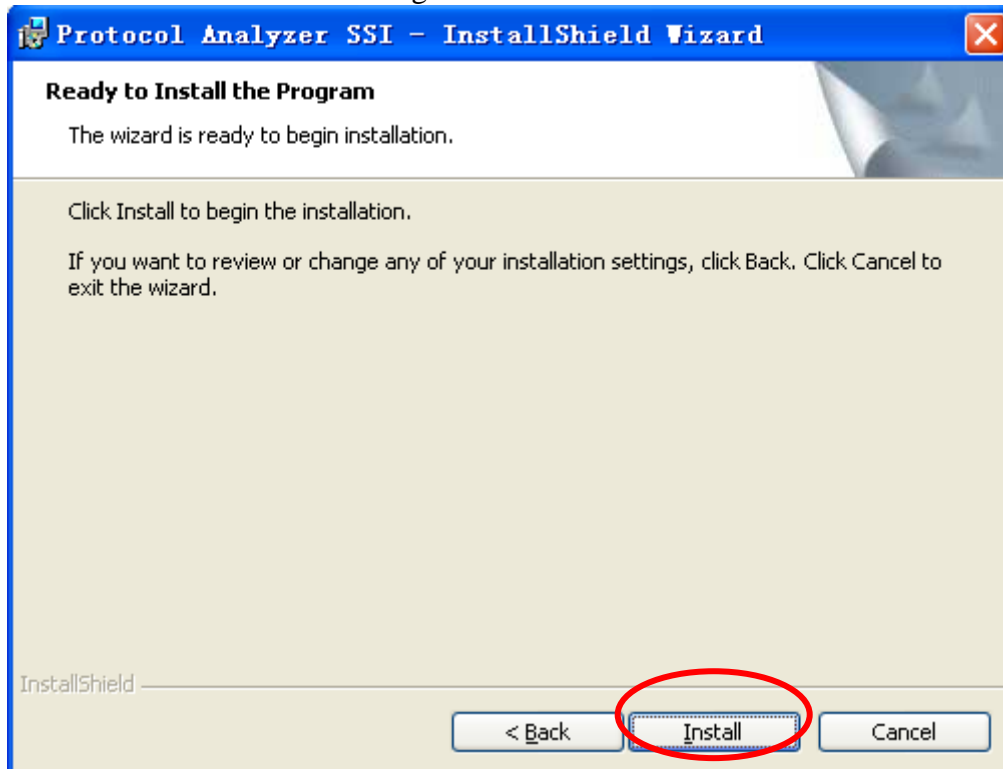


STEP 6. First, select **Complete** and then click **Next**.

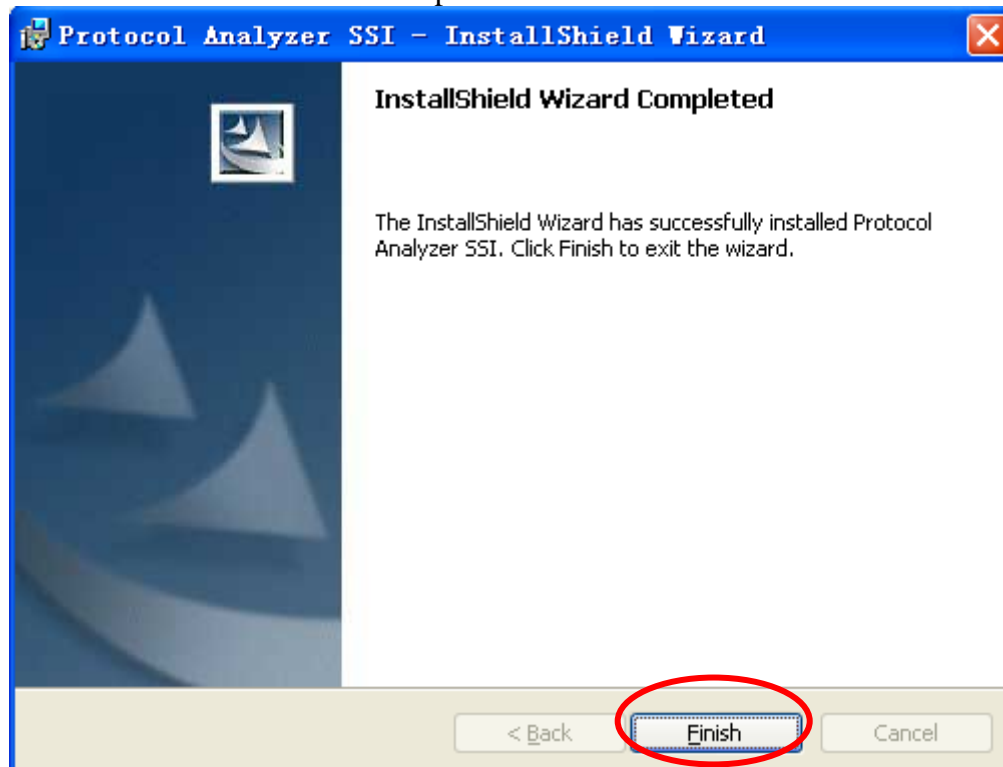




STEP 7. Click **Install** to begin the installation.



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

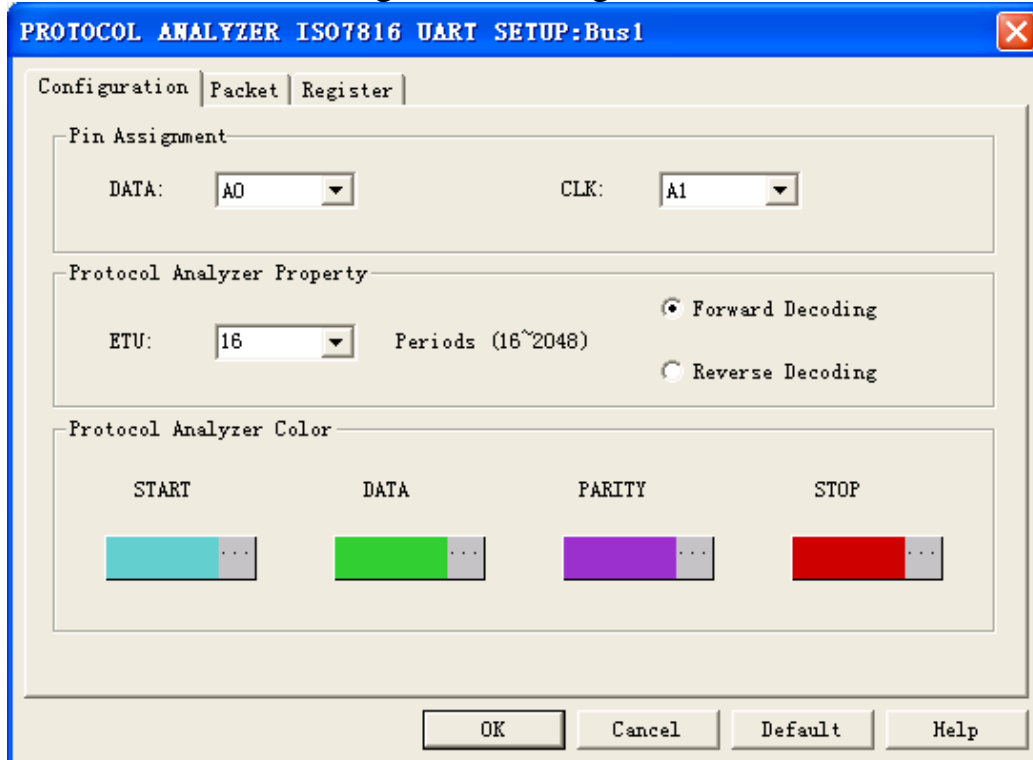




2 User Interface

In the configuration dialog box, please refer to the below images to select options of setting **ISO7816** UART MODULE.

ISO7816 UART Configuration Dialog Box



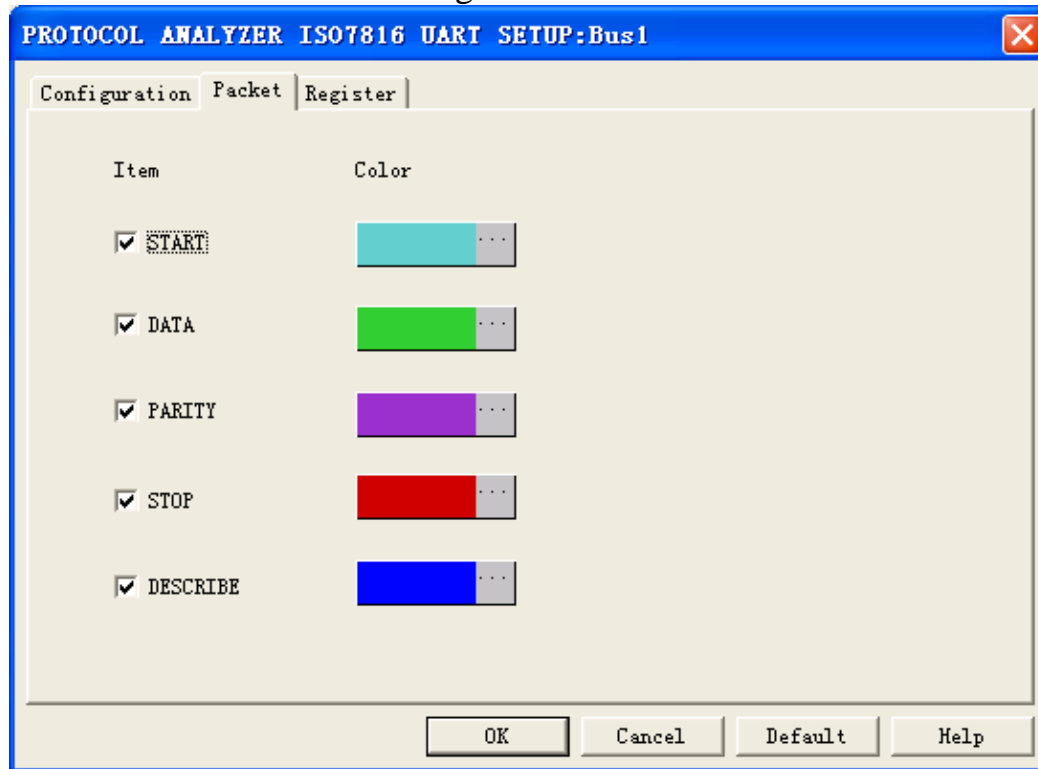
Pin Assignment: Users can select the decoding channel by themselves.

Protocol Analyzer Property: Users can set the **ETU**(It is the number of CLK period which is taken by one BIT); and users can set the Decoding Direction by themselves and select the **Forward Decoding** or **Reverse Decoding**.

Protocol Analyzer Color: Users can set the color of the packet as their requirements.

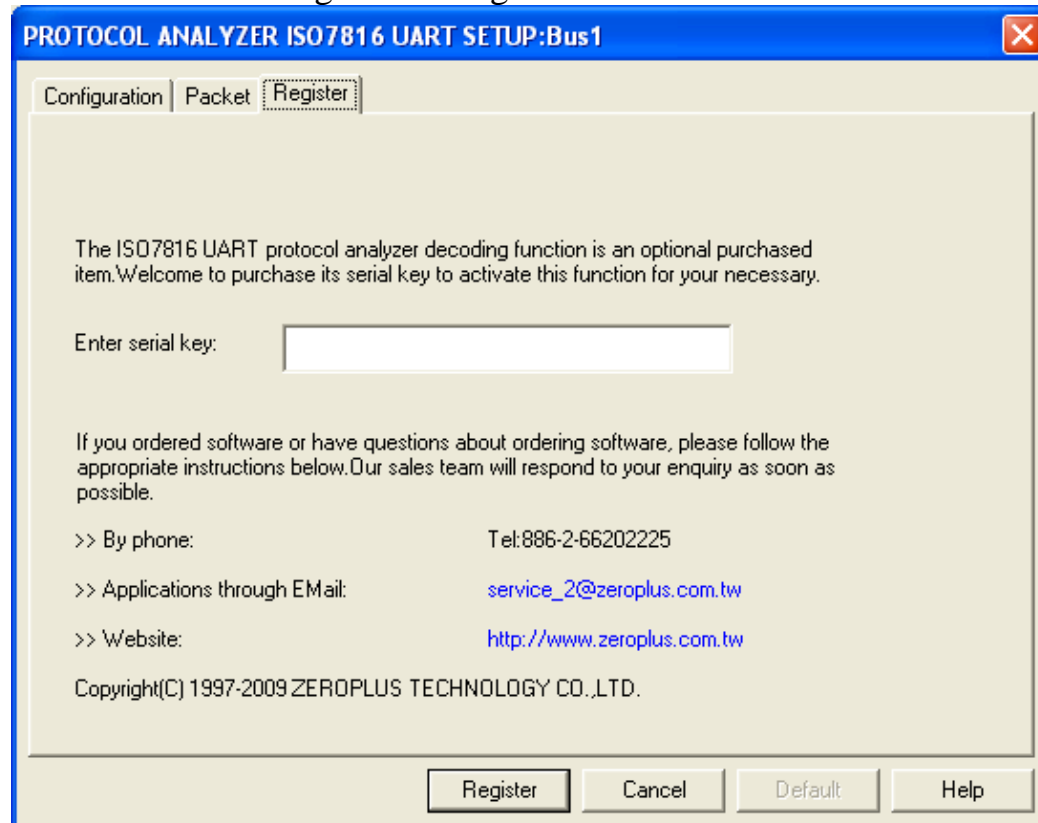


ISO7816 UART Packet Dialog Box



Users can vary the color of the packet as their requirements.

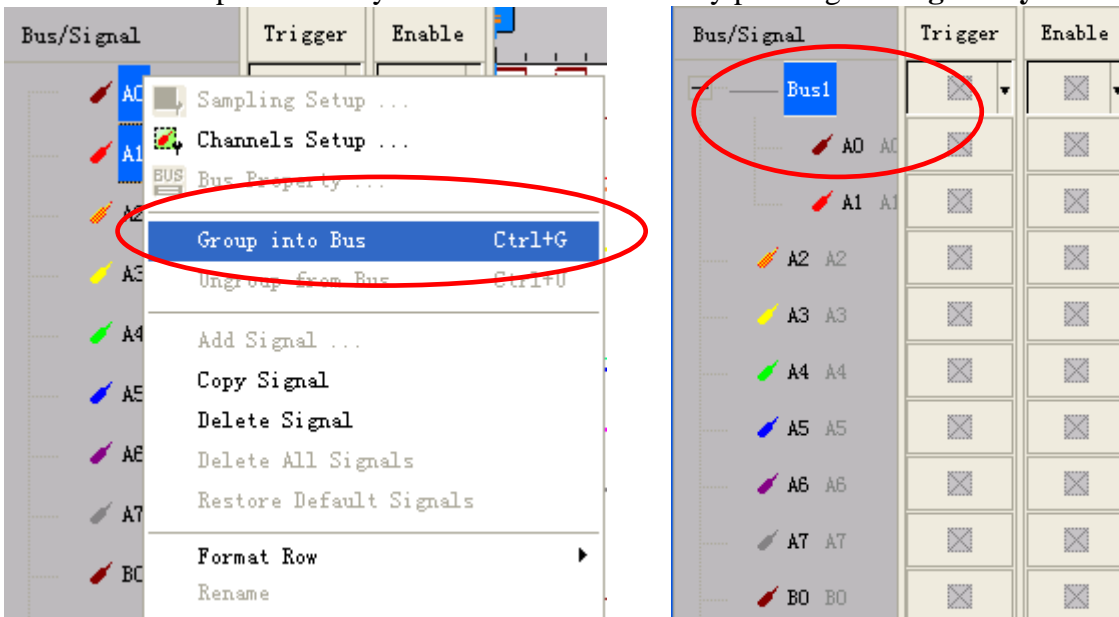
ISO7816 UART Register Dialog Box



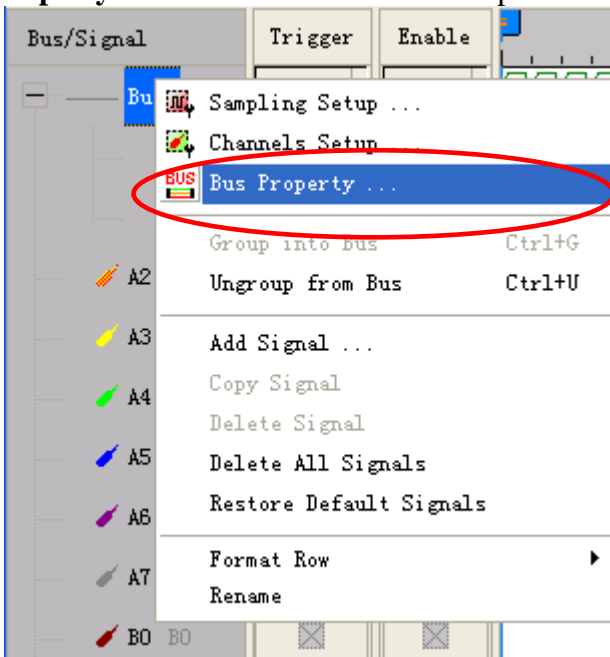
There is written ZeroPlus company information. If you have any questions about software operations, you can contact ZeroPlus by Telephone or Email.

3. Operating Instructions

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

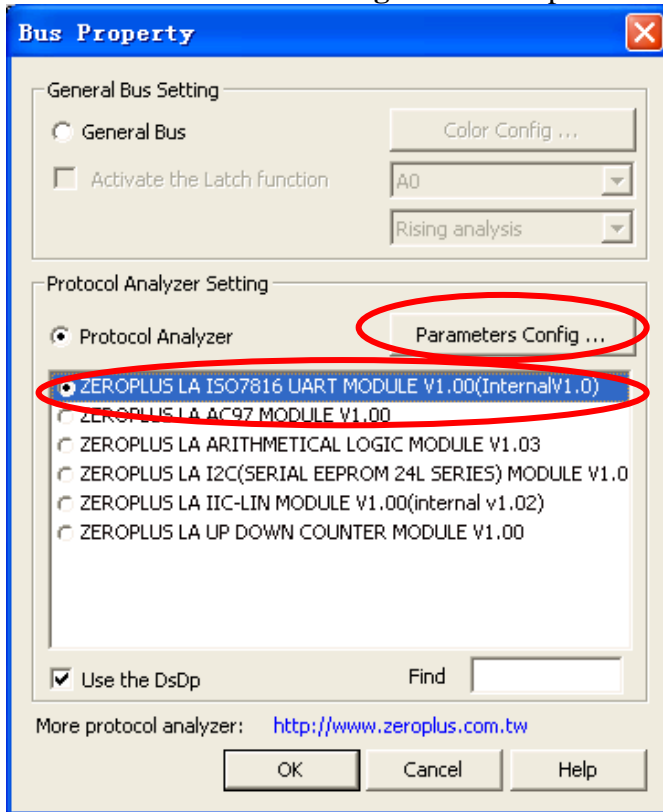


STEP 2. Select **Bus1**, then press **Right Key** on the mouse to list the menu, and then press **Bus Property** or **Bus bar** on the toolbar to open **Bus Property** dialog box.

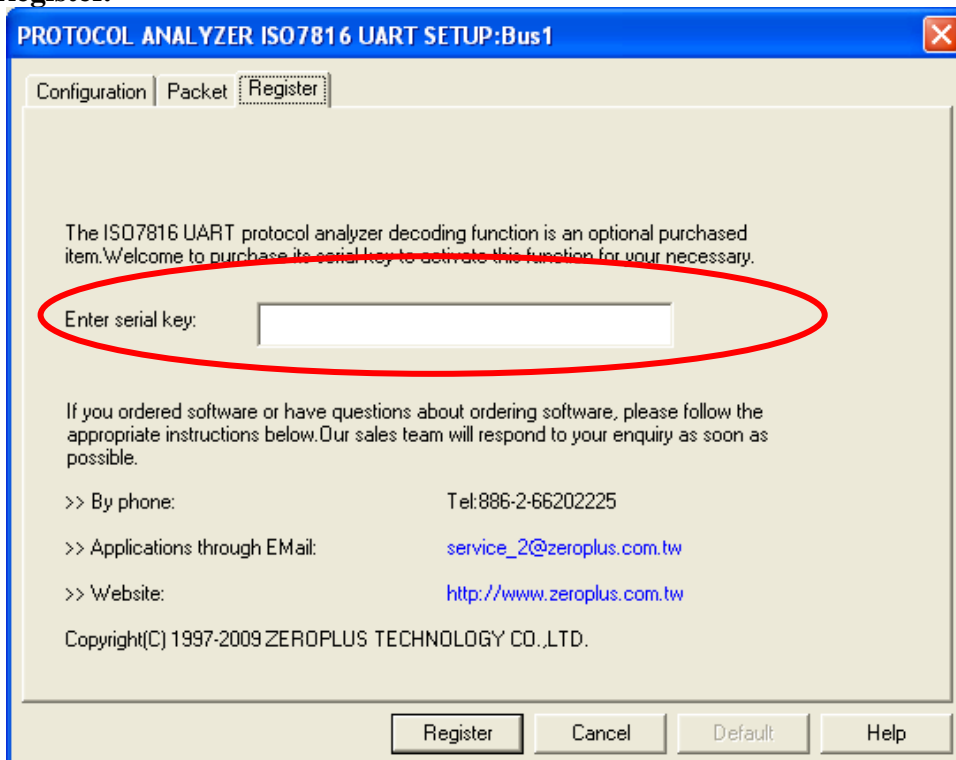




STEP 3. For Protocol Analyzer ISO7816 UART Parameters Configuration, select Protocol Analyzer, and then select **ZEROPLUS LA ISO7816 UART MODULE V1.00 (InternalV1.0)**. Next click **Parameters Configuration** to open **Configuration** dialog box.

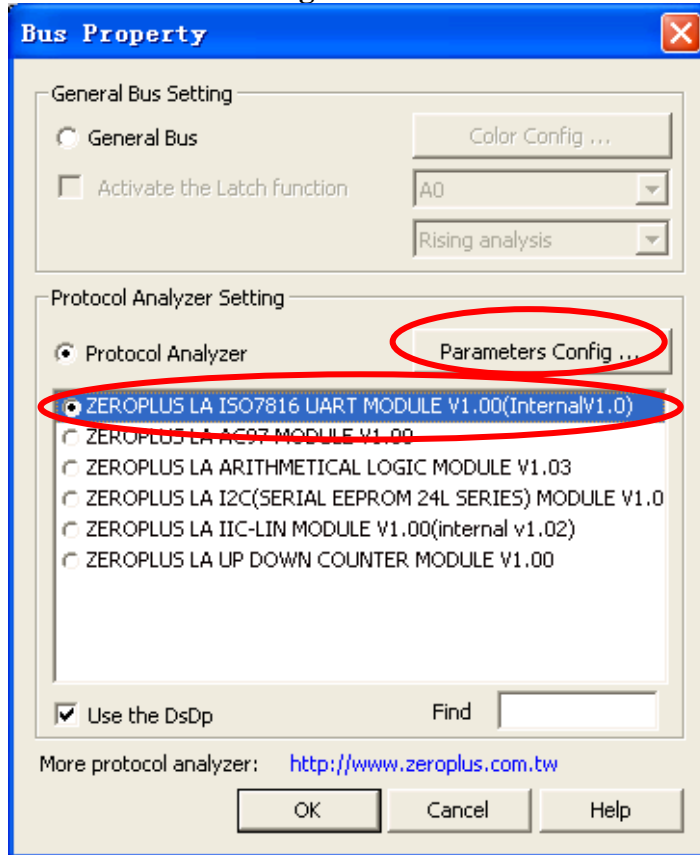


STEP 4. Click Register tab to type the serial key number of **ISO7816 UART**. Then, press **Register**.

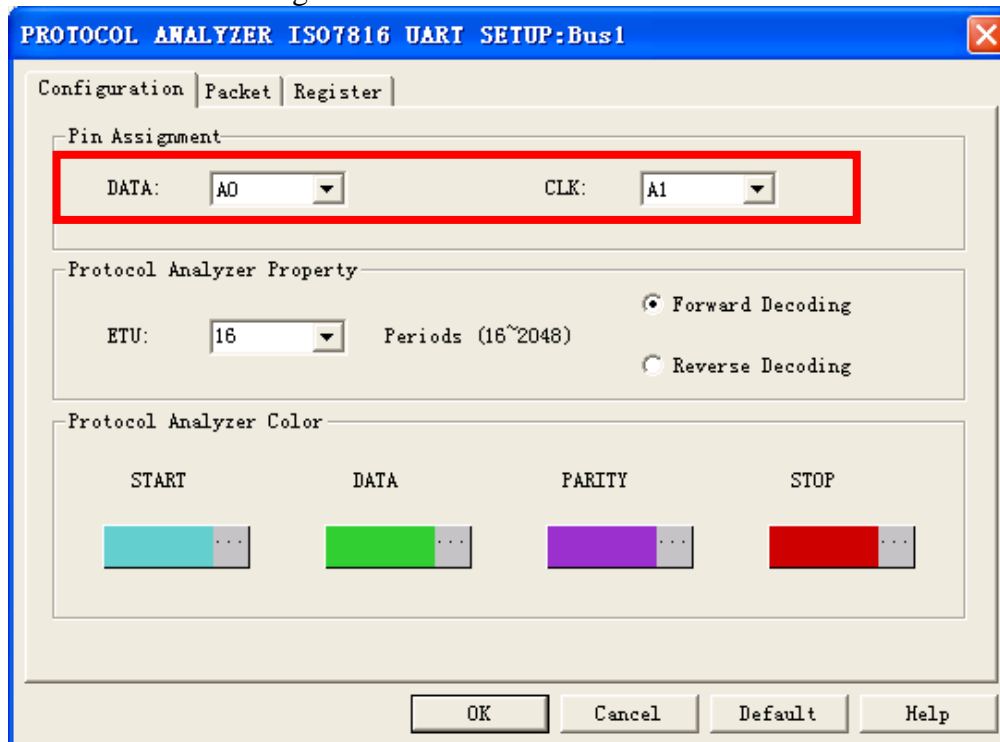




STEP 5. After completing **Register**, come back to the **Bus Property** dialog box, and then click the **Parameters Configuration** to start the Protocol Analyzer **ISO7816 UART** setup.

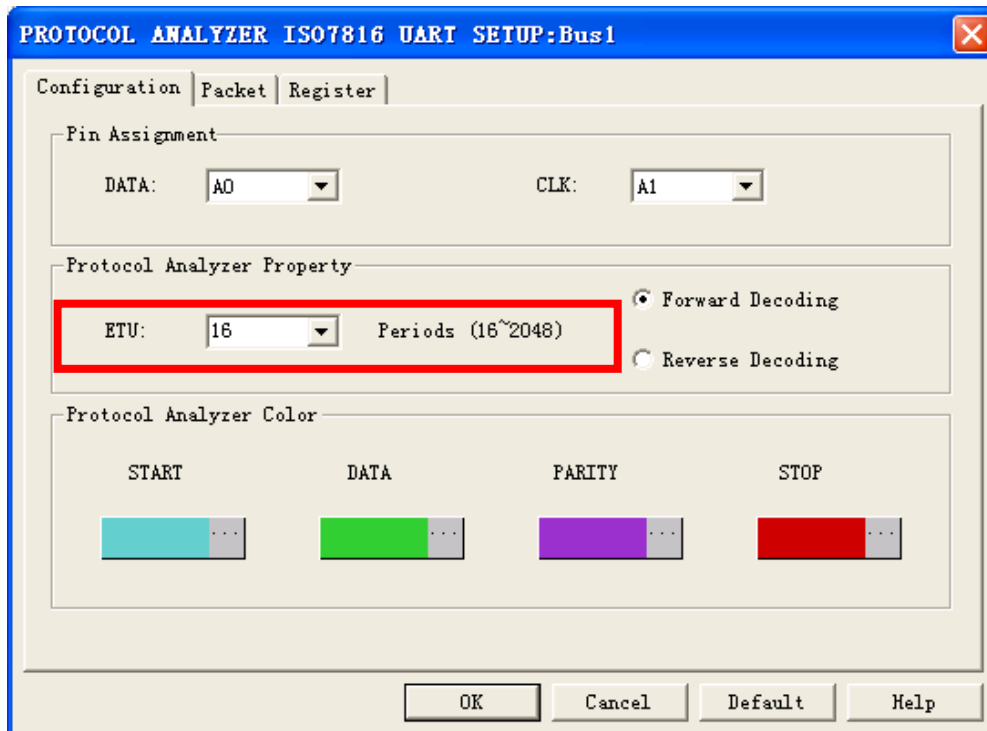


STEP 6. Set the signal channel of **ISO7816 UART**.

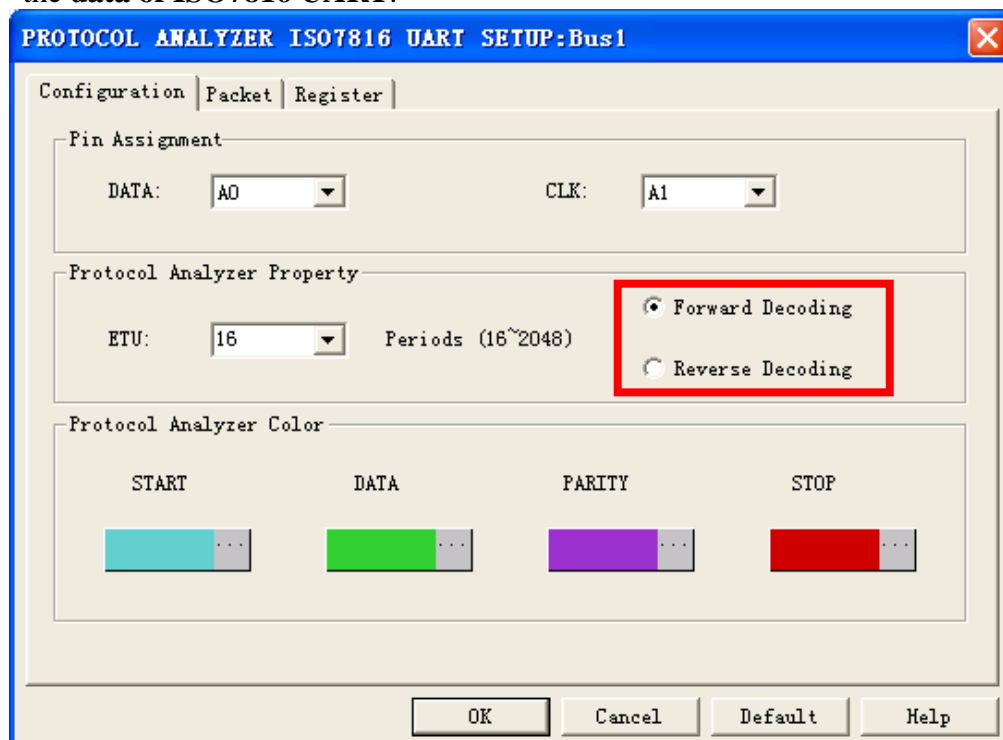




STEP 7. Set the Periods of the ETU.

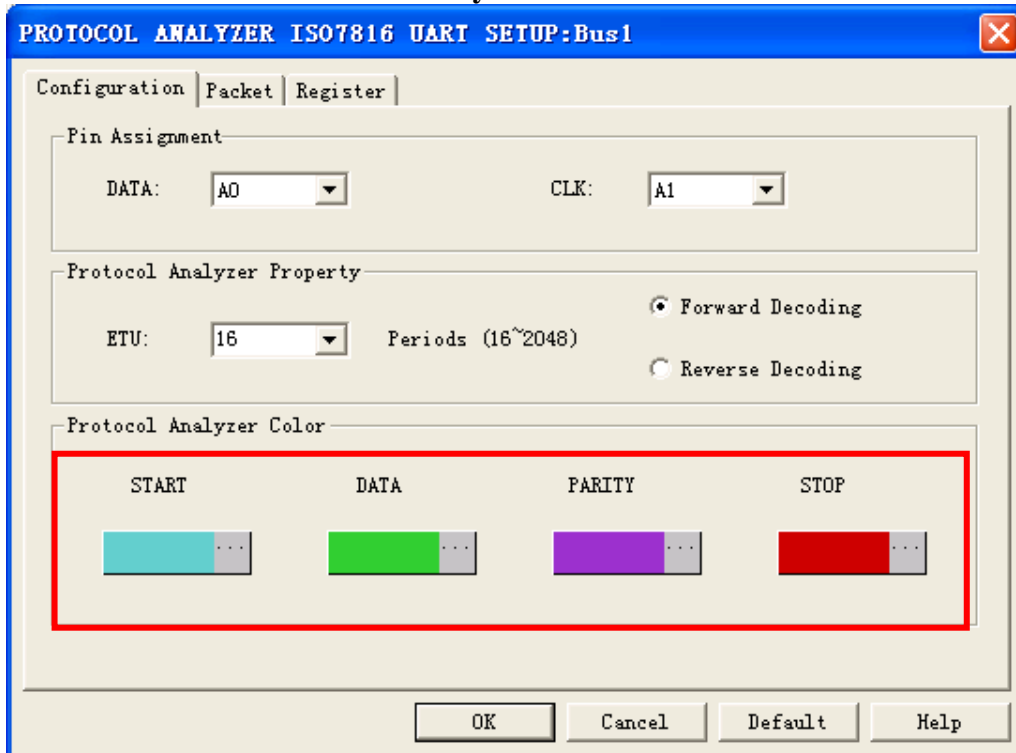


STEP 8. Set the Decoding Direction (There are **Forward Decoding** and **Reverse Decoding**) of the data of ISO7816 UART.



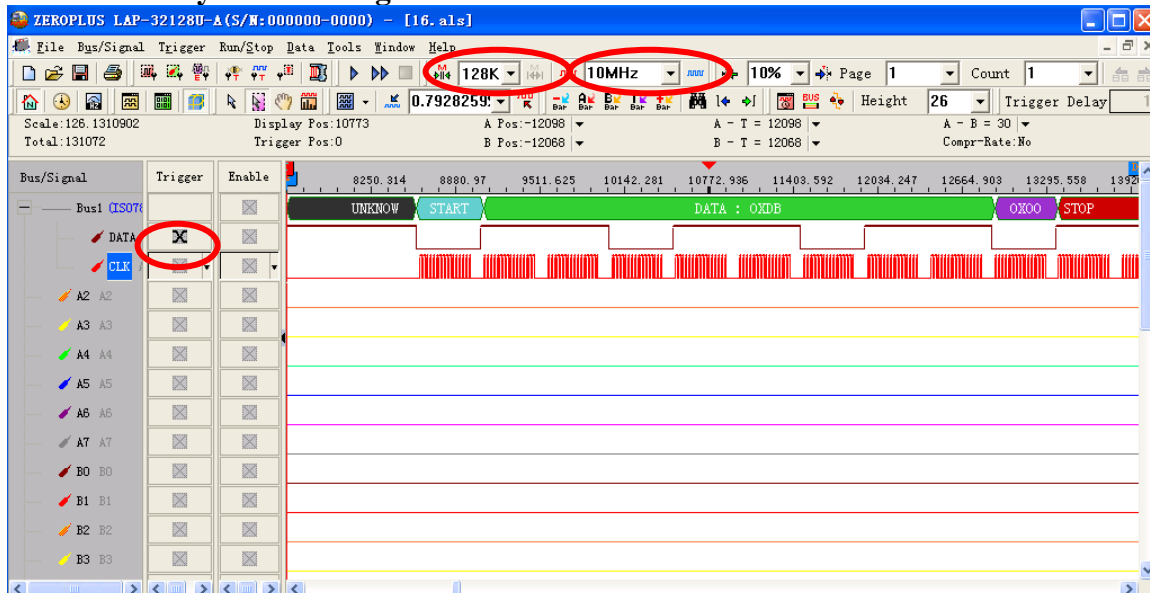


STEP 9. Set the Protocol Analyzer Color.



STEP 10. 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 128K; the sampling frequency is 10MHz.

Protocol Analyzer Decoding





Packet List

