



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

SPECIFICATION

MODEL: B12003-KNX

PART NO: _____

VERSION: V1.00

Approver		Check	Design
GM	PM		

Customer Confirm

*Please fax the file to ZeroPlus Technology after signing.

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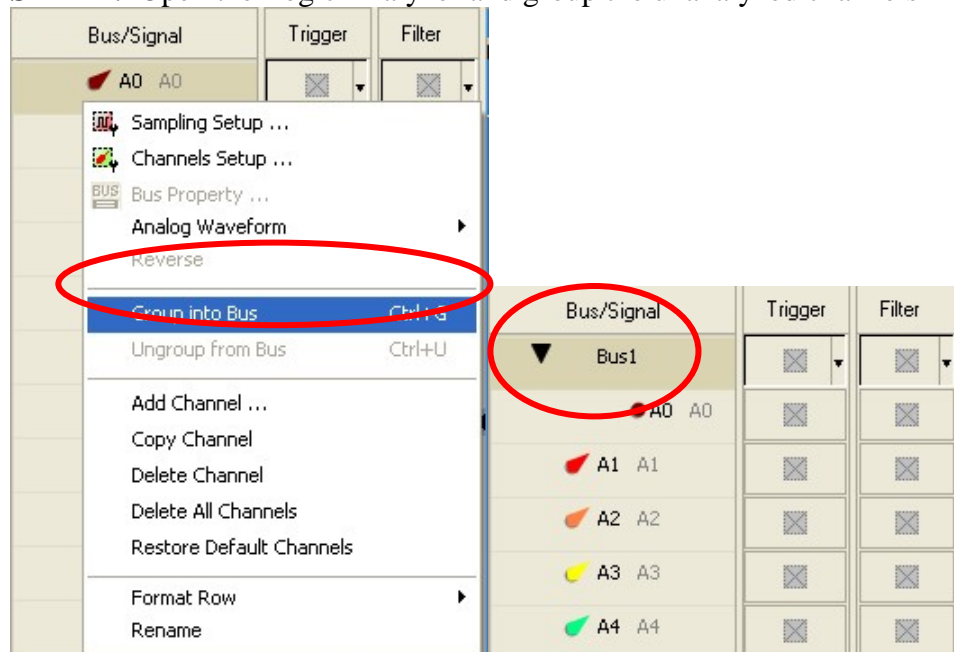
1 Software Register

Please register the software as the following steps:

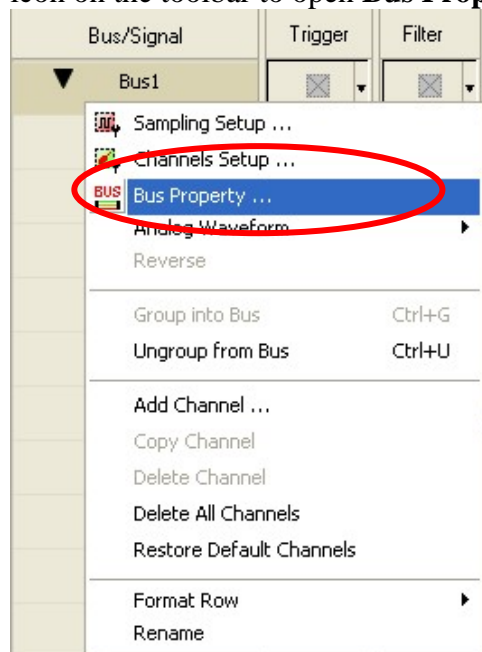
※ **Remark1:** The registration steps for all protocol analyzers are the same; you can complete the registration by following procedures. Following is an example on how to register the Protocol Analyzer BUS.

※ **Remark2:** 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.

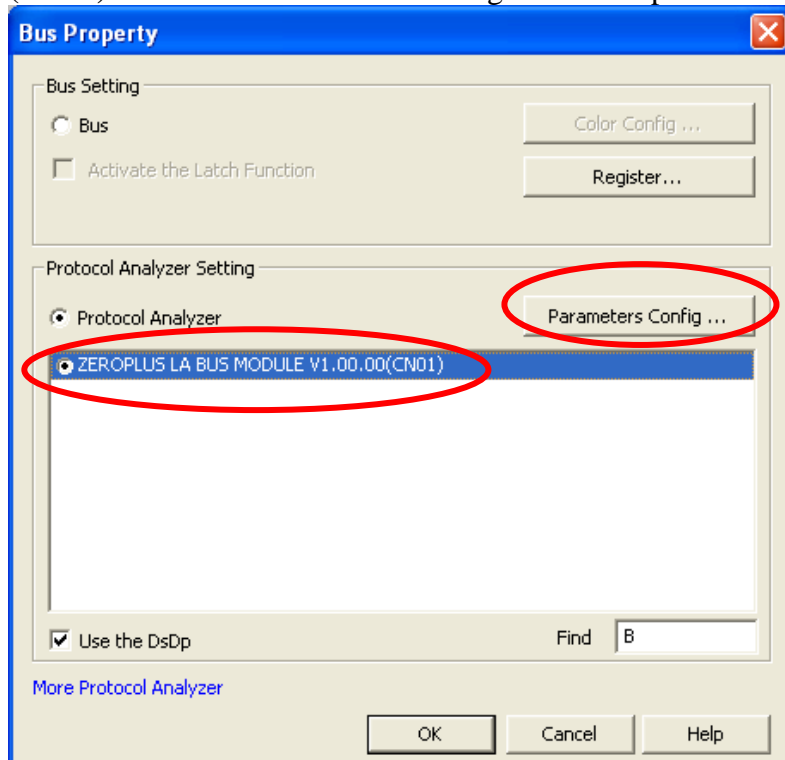
STEP 1. Open the Logic Analyzer and group the unanalyzed channels into **Bus1** by pressing the **Right Key**.



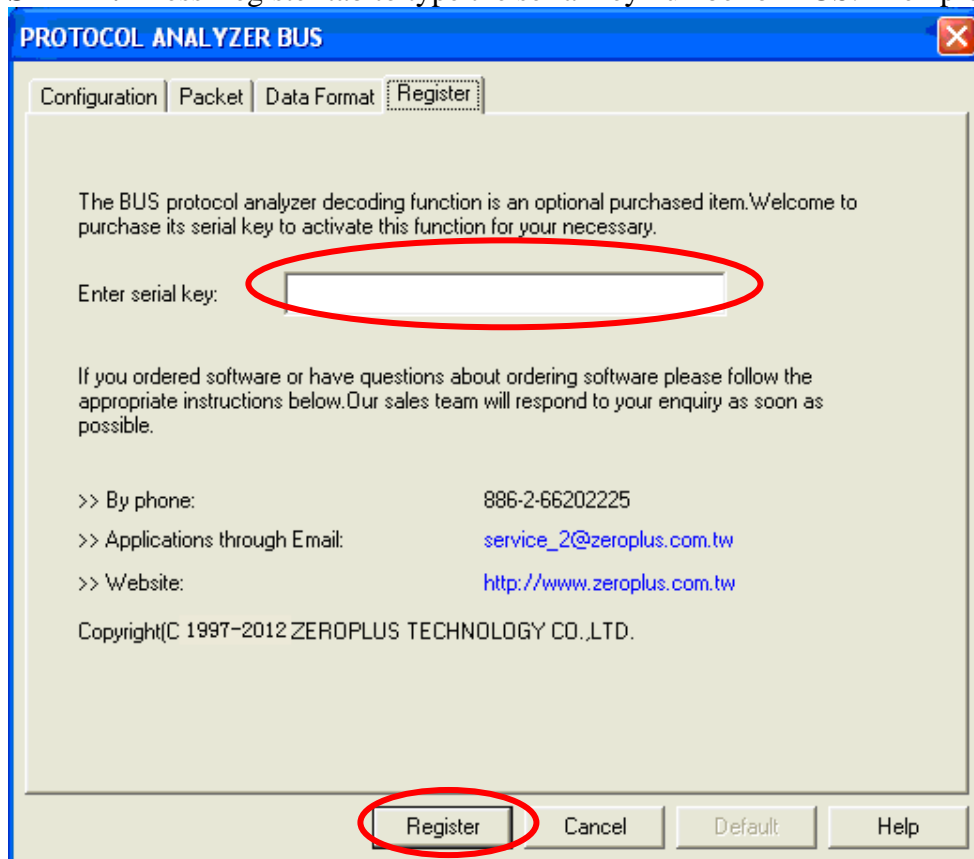
STEP 2. Select **Bus 1**, then press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus** icon on the toolbar to open **Bus Property** dialog box.



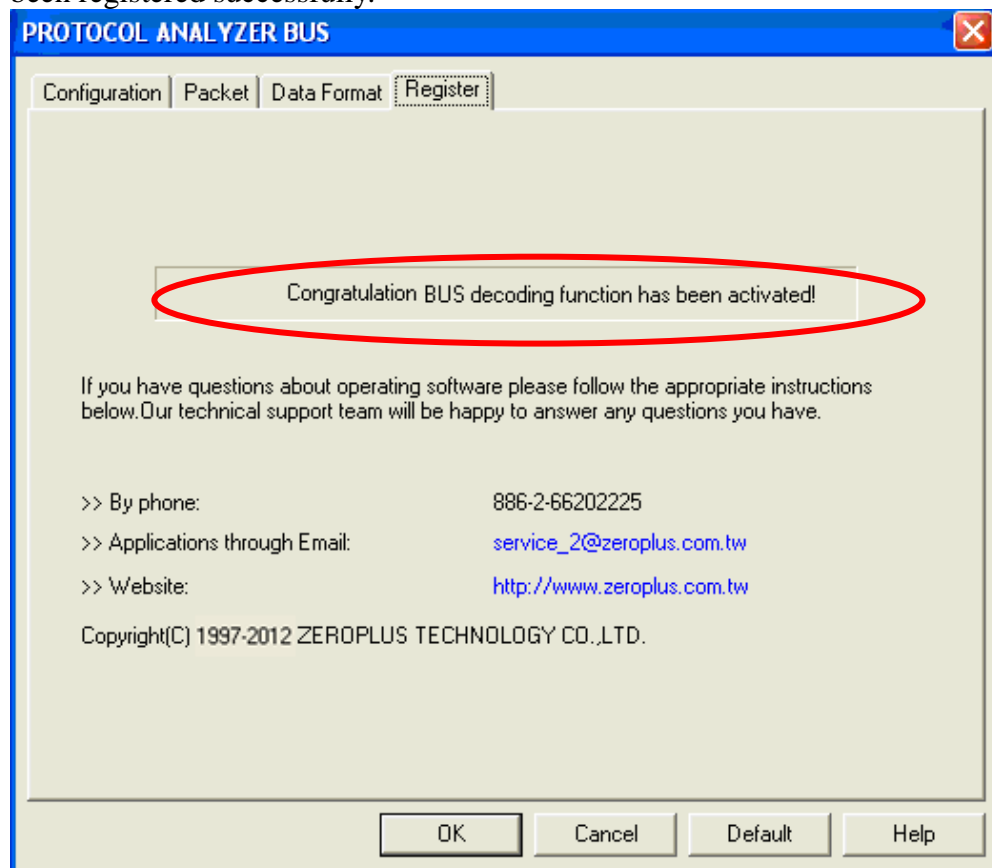
STEP 3. Select the Protocol Analyzer, and then choose **ZEROPLUS LA BUS MODULE V1.00.00 (CN01)**. Next click Parameters Configuration to open Protocol Analyzer Bus dialog box.



STEP 4. Press Register tab to type the serial key number of BUS. Then press Register.



STEP 5. After pressing the Register button, following dialog box will appear, it denotes that the BUS has been registered successfully.

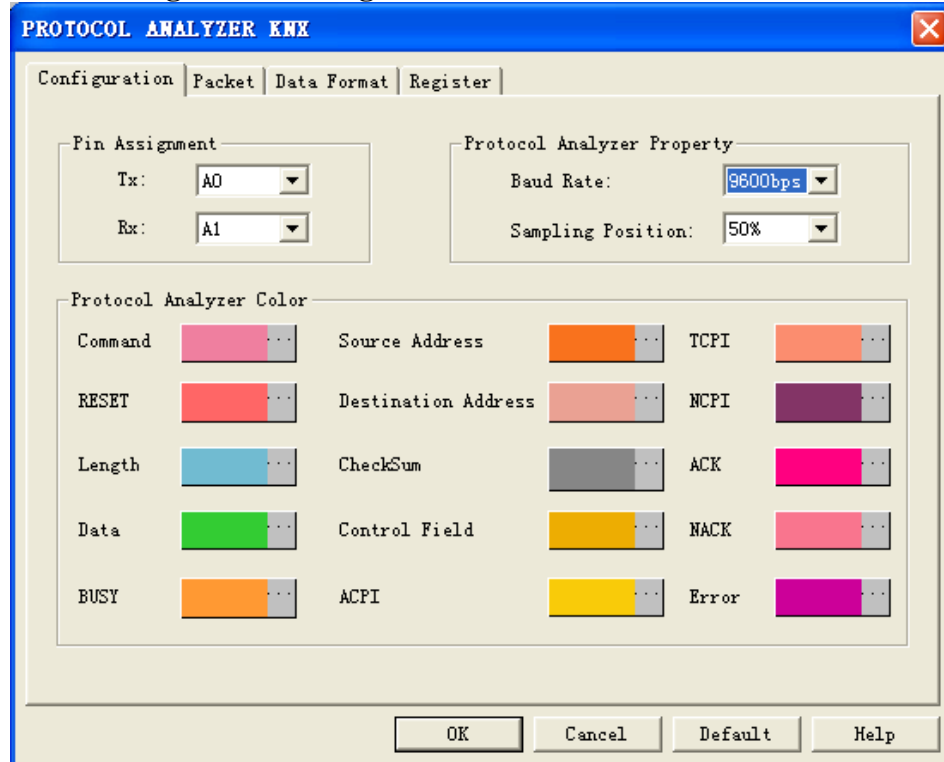




2 User Interface

Please refer to the below images to do settings of **KNX** module.

KNX Configuration dialog box



Pin Assignment:

KNX needs at least 2 lines to decode. Tx is A0 and Rx is A1 by default.

Protocol Analyzer Property:

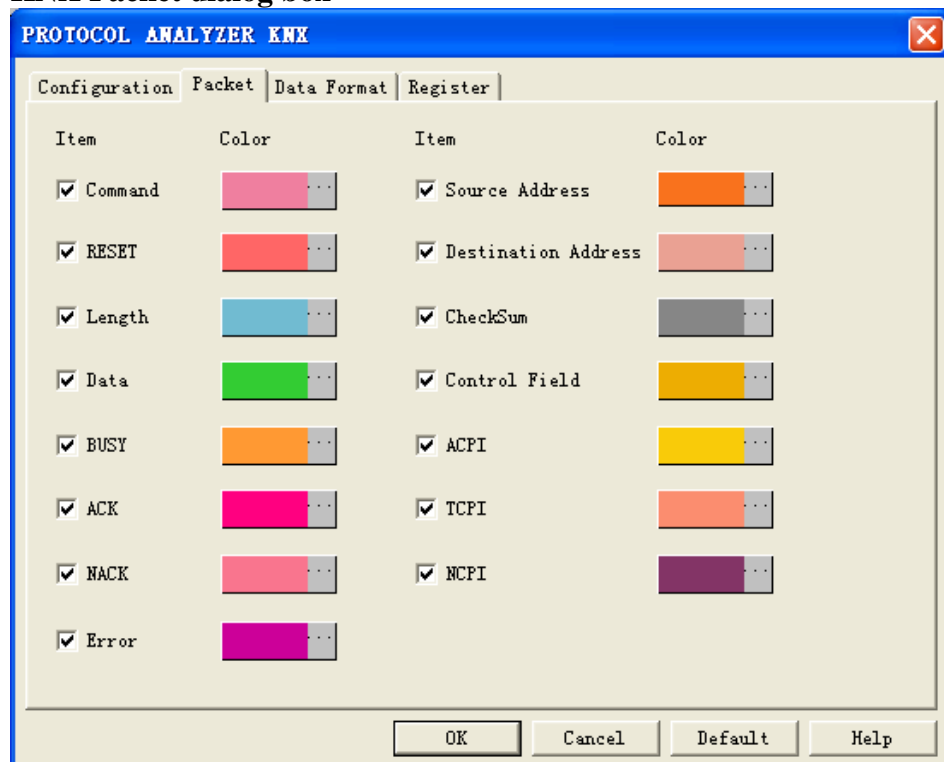
Baud Rate: 9600bps and 19200bps can be selected. It is 9600bps by default.

Sampling Position: There are 5%, 15%, 20%, 25%, 30%, 35%, 40%, 45%, 50%, 55%, 60%, 65%, 70%, 75%, 80%, 85%, 90%, 95% and 100% to be selected; it is 50% by default.

Protocol Analyzer Color:

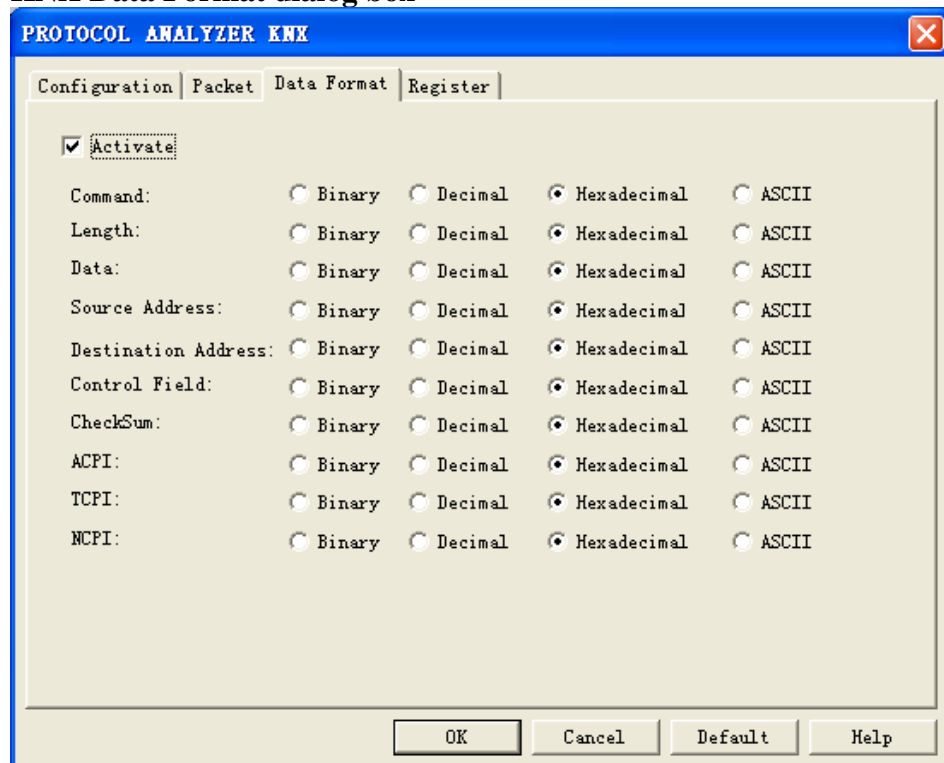
The color can be varied by users.

KNX Packet dialog box



In the Packet part, users can select the items to be displayed and their colors as their requirements.

KNX Data Format dialog box



Users can set the Command, Length, Data, Source Address, Destination Address, Control Field, CheckSum, ACPI, TCPI and NCPI as their requirements. When selecting the option Activate, the Data format is decided by the settings in the Protocol Analyzer; when not selecting the option Activate, the data format is decided by the settings in the main program.



KNX Register dialog box

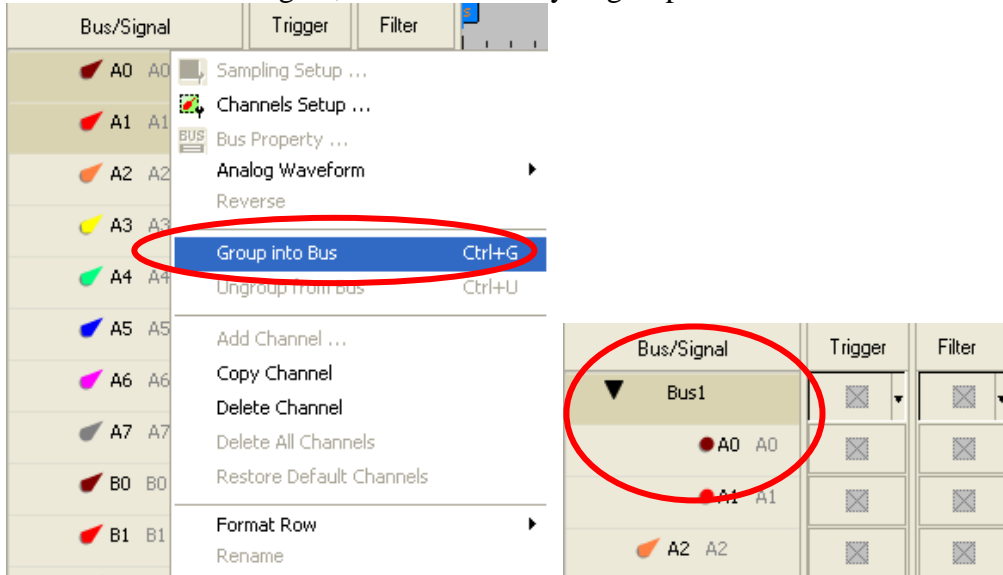


There is ZeroPlus company information. If you have questions about software operations, you can contact ZeroPlus by Telephone or Email.

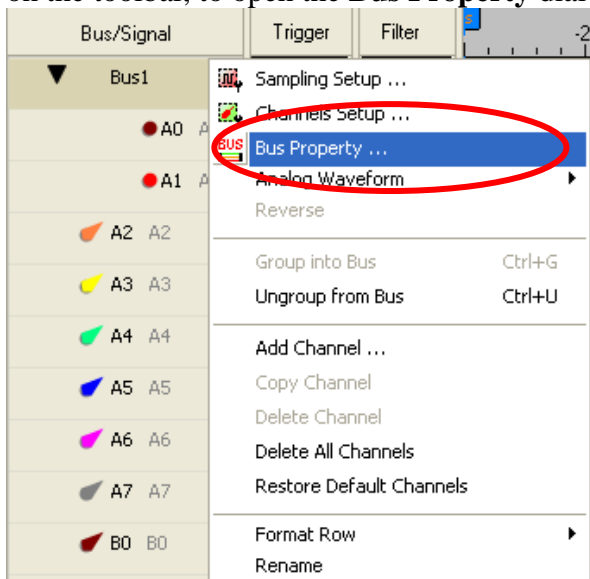


3 Operating Instructions

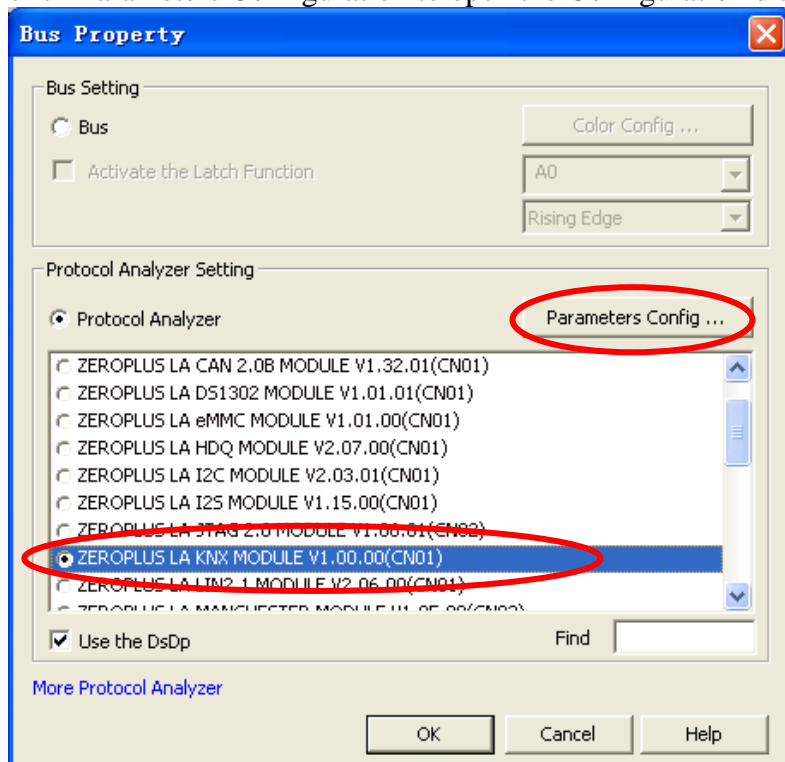
STEP 1. Group A0-A1 into **Bus1** by pressing the **Right Key** on the mouse. KNX needs at least two channels to decode signal, so it is necessary to group two or more channels into the Bus.



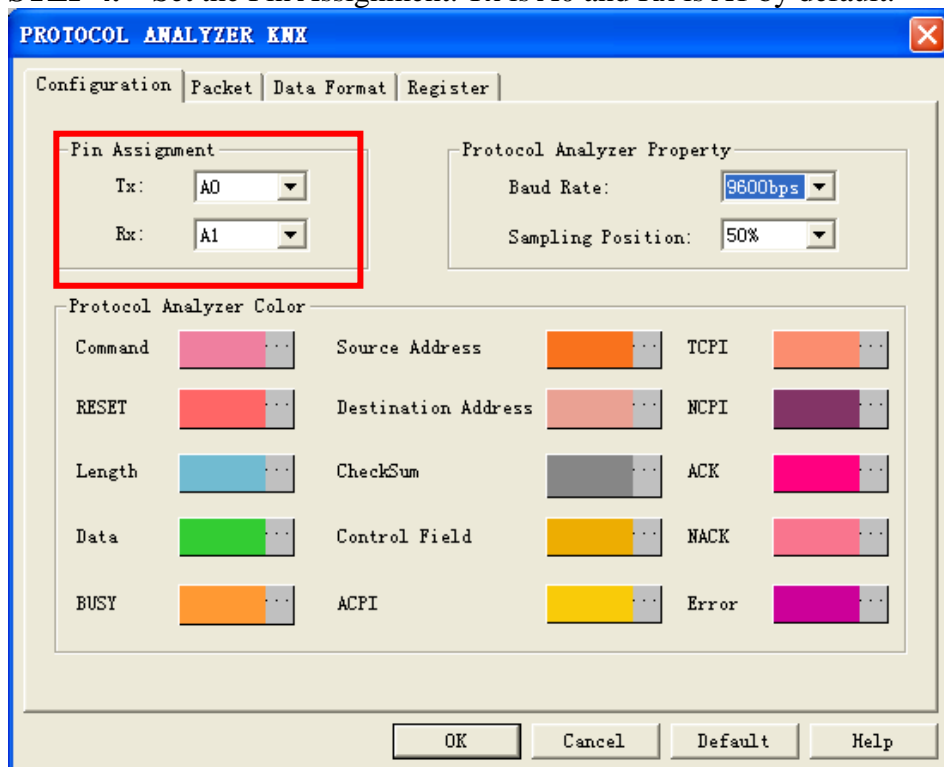
STEP 2. Select **Bus1**, press right key and select **Bus Property** from the popped menu, or click the **Bus** icon on the toolbar, to open the **Bus Property** dialog box.



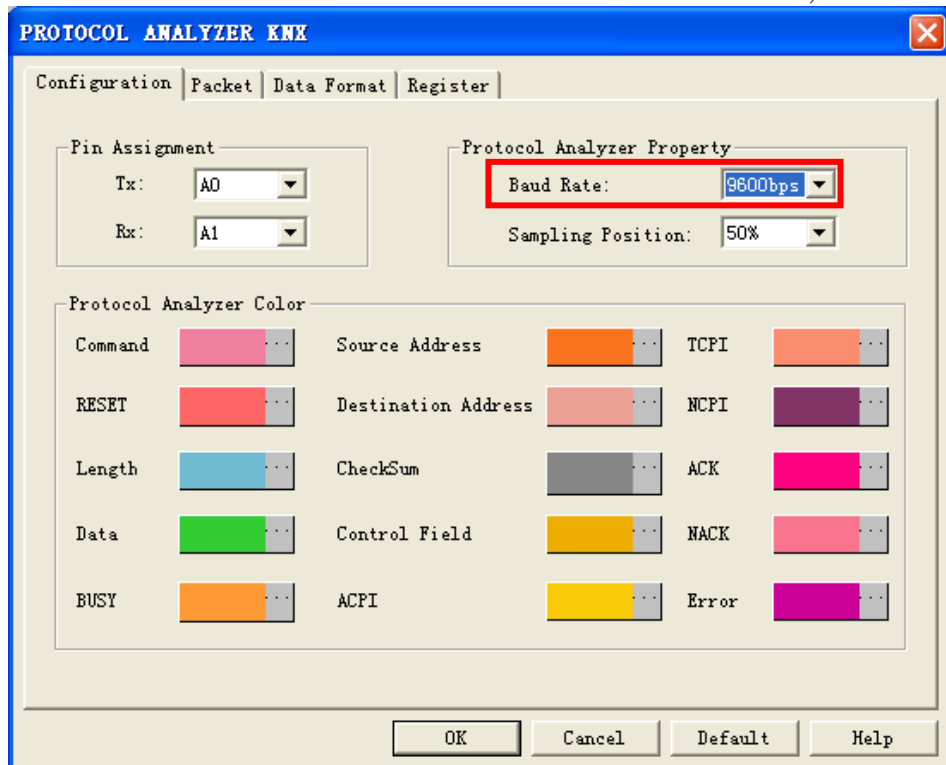
STEP 3. Select Protocol Analyzer, and select ZEROPLUS LA KNX MODULE V1.00.00 (CN01). Then click Parameters Configuration to open the Configuration dialog box.



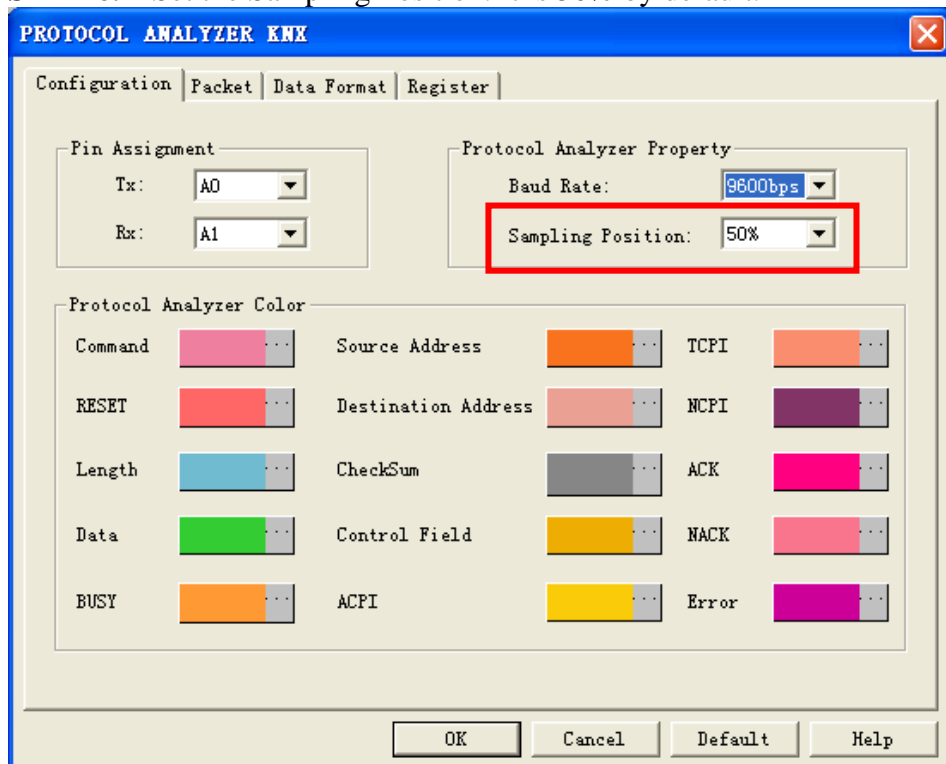
STEP 4. Set the Pin Assignment. Tx is A0 and Rx is A1 by default.



STEP 5. Set the Baud Rate. 9600 and 19200 can be selected; it is 9600 by default.

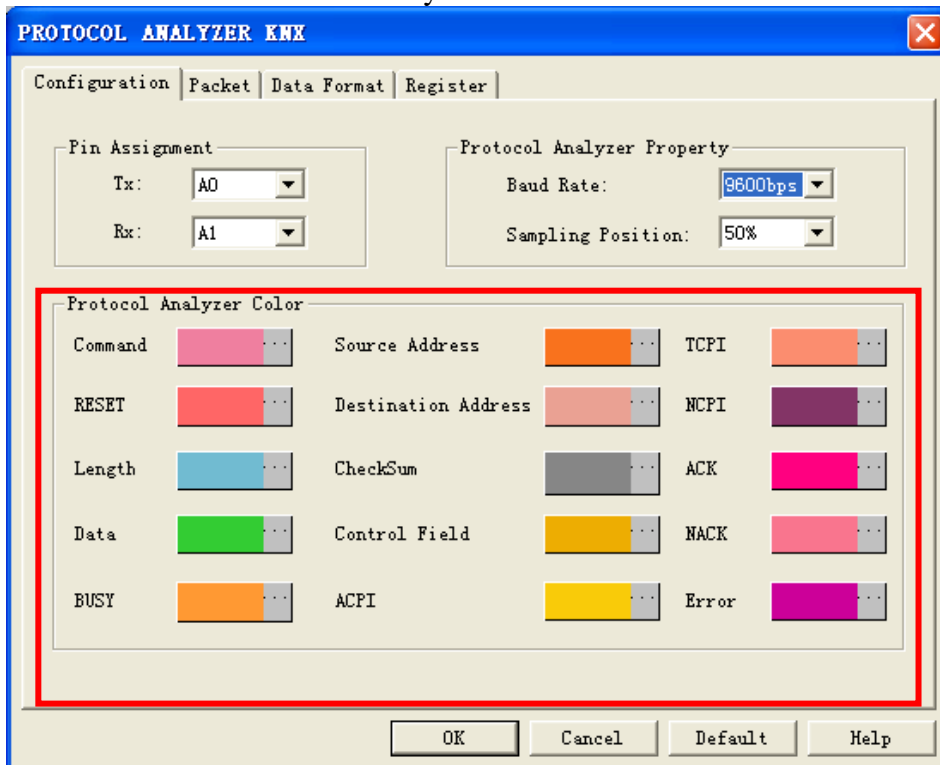


STEP 6. Set the Sampling Position. It is 50% by default.



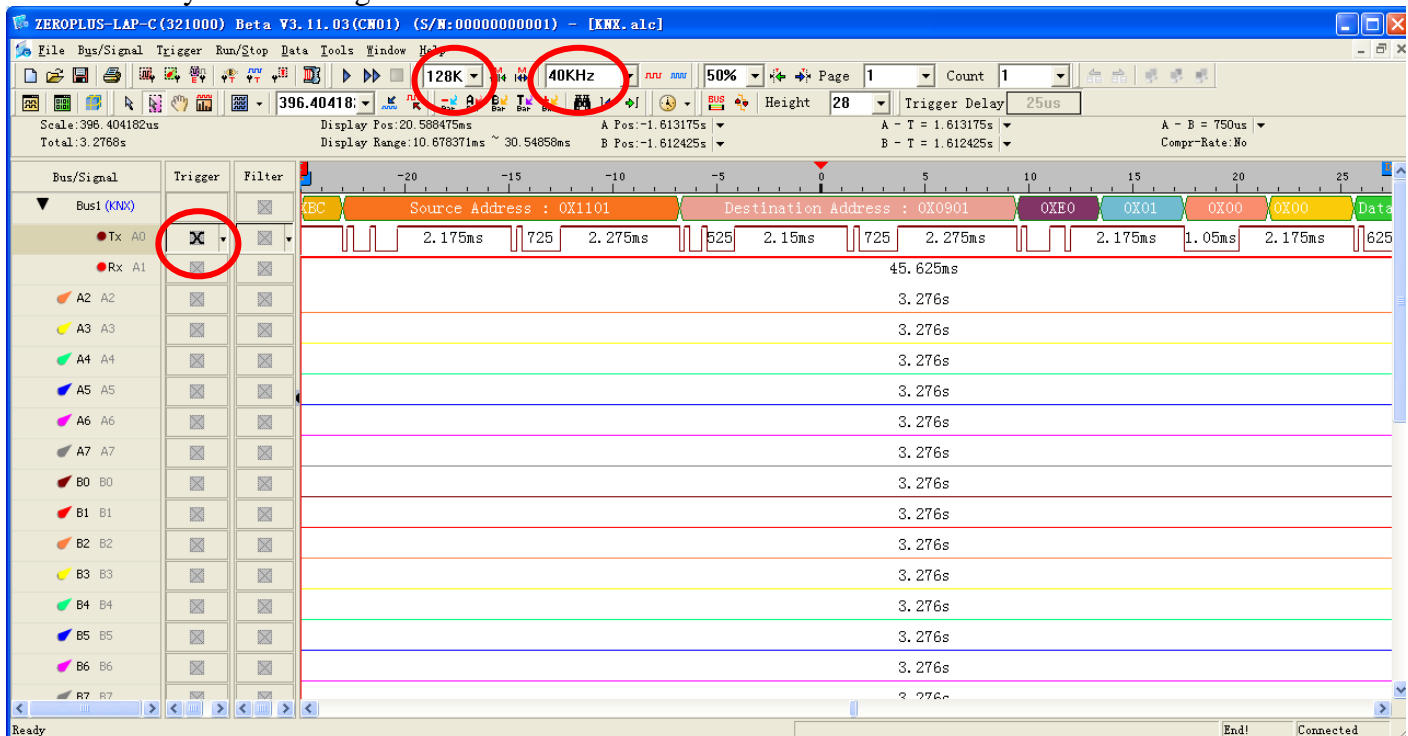


STEP 7. Set the Protocol Analyzer Color.



STEP 8. 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 and the sampling frequency is 40KHz (the sampling frequency should be more than four times higher than the signal to be tested).

Protocol Analyzer Decoding





Packet List

