



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

SPECIFICATION

MODEL: B09022-LAP-Philips RC-5-M

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 Download

Please download the software as the following steps:

Remark: 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.

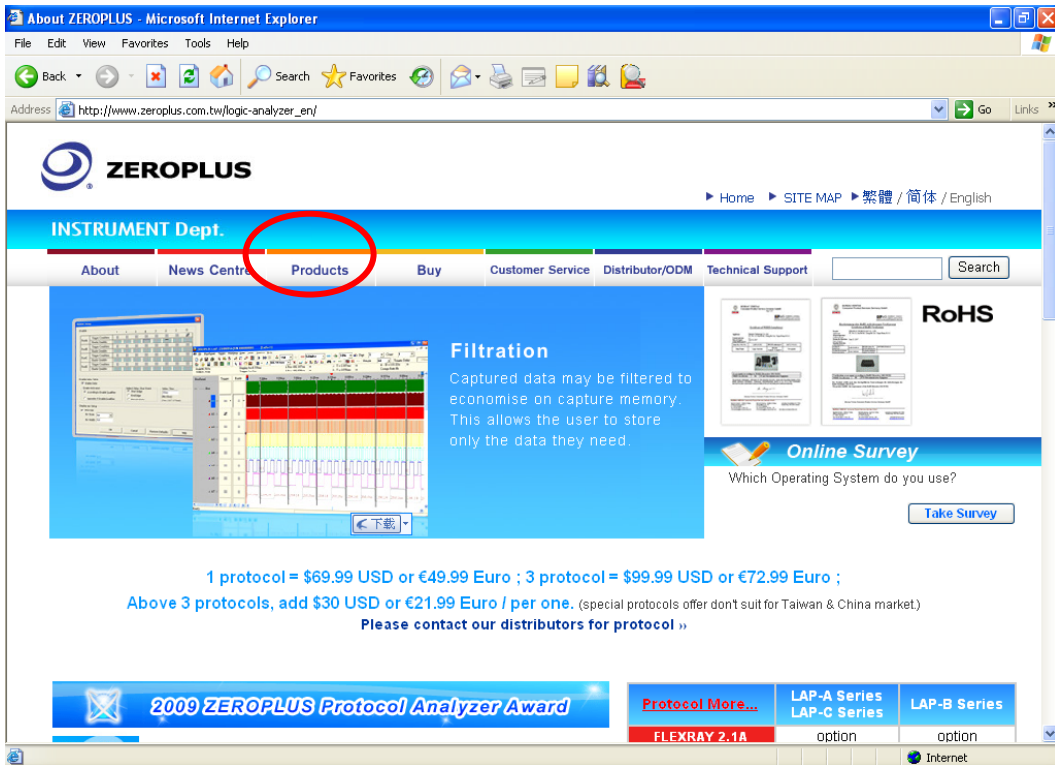
STEP 1. Visit the website of ZeroPlus: <http://www.zeroplus.com.tw>.

STEP 2. Click **English** in the Instrument Division part on the Homepage.

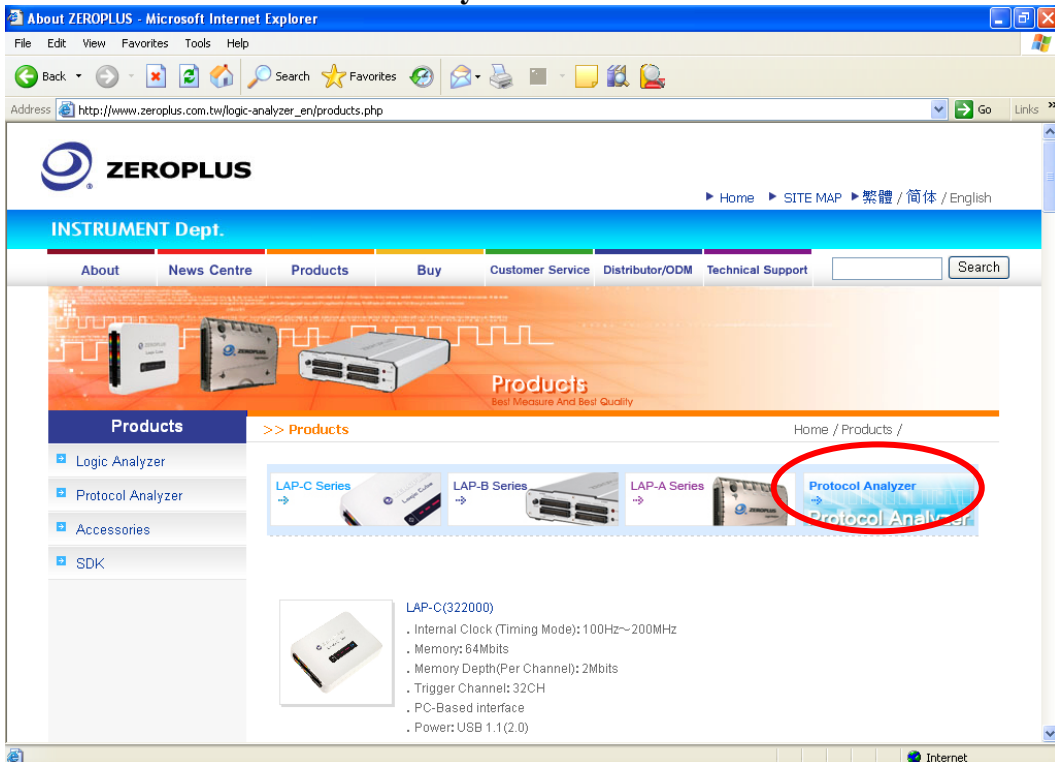




STEP 3. Click **Products** menu.

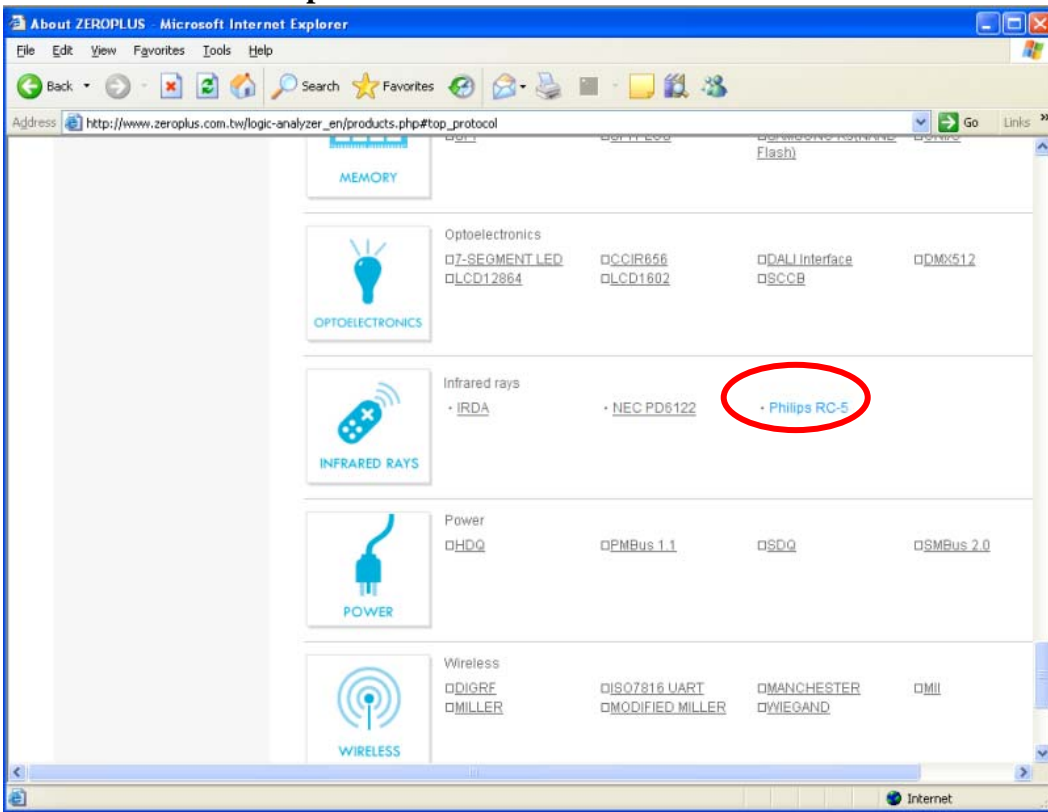


STEP 4. Click **Protocol Analyzer** icon.

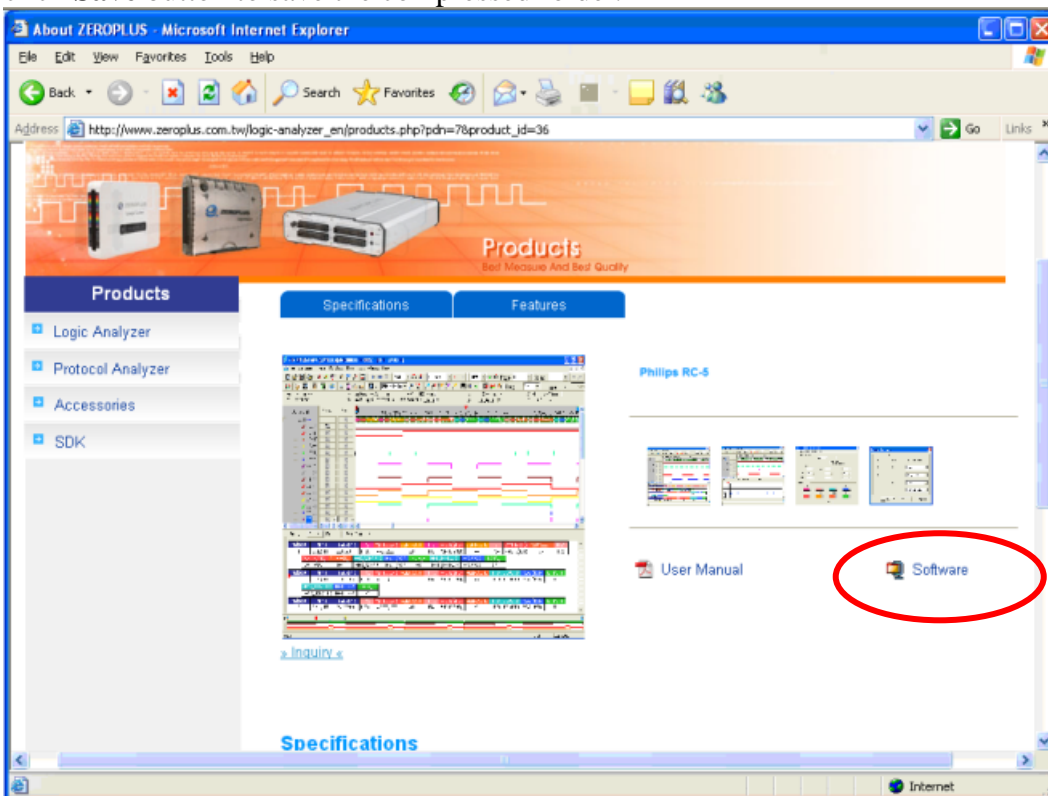




STEP 5. Click **Philips RC-5** in the INFRARED RAYS column.



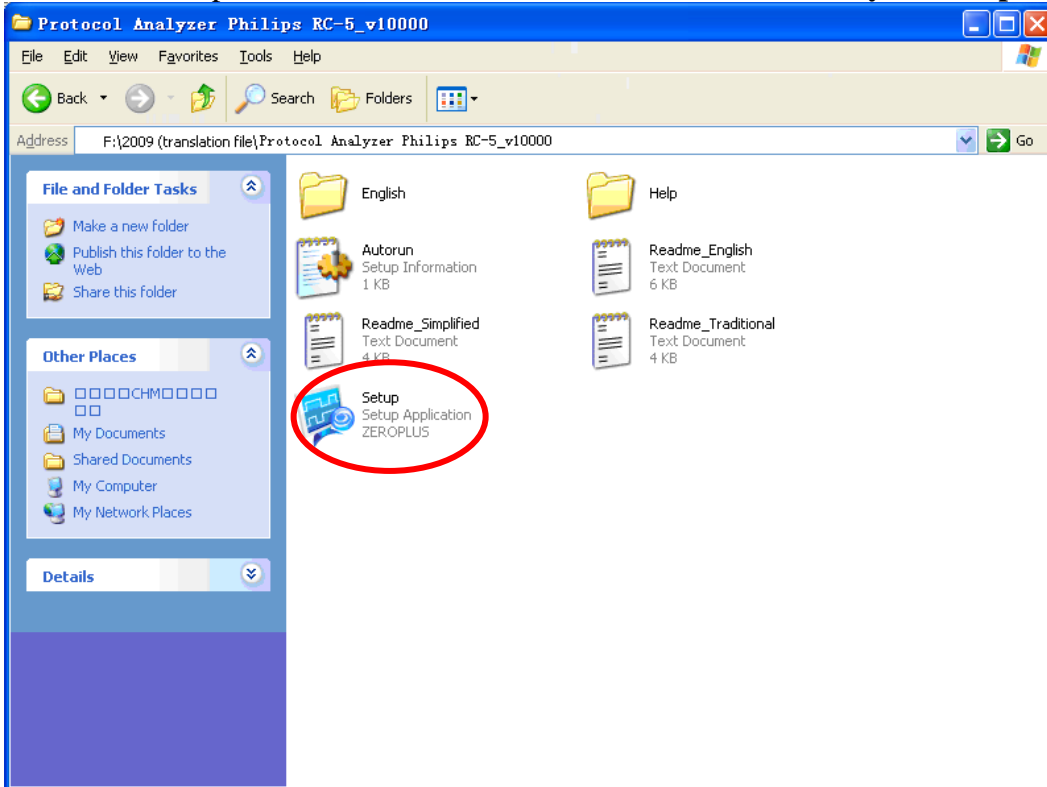
STEP 6. Click **Software** in the Products page. When the File Download dialog box appears, you can click **Save** button to save the compressed folder.



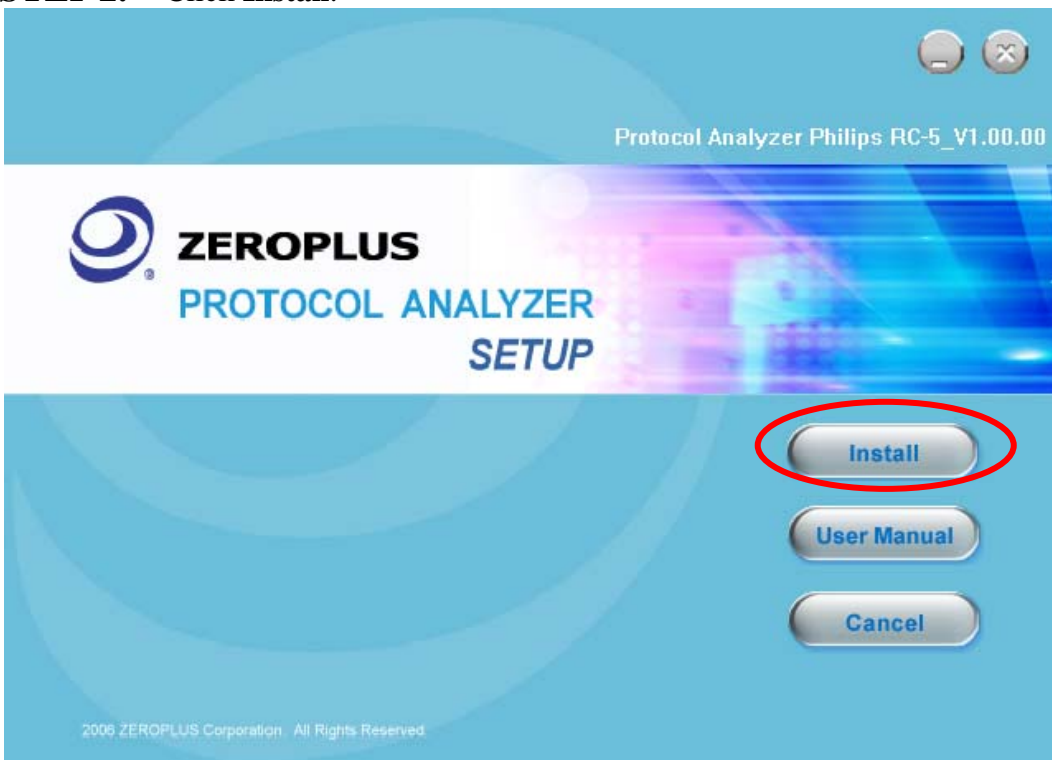


2 Software Installation

STEP 1. Open the downloaded folder to install **Protocol Analyzer Philips RC-5**.

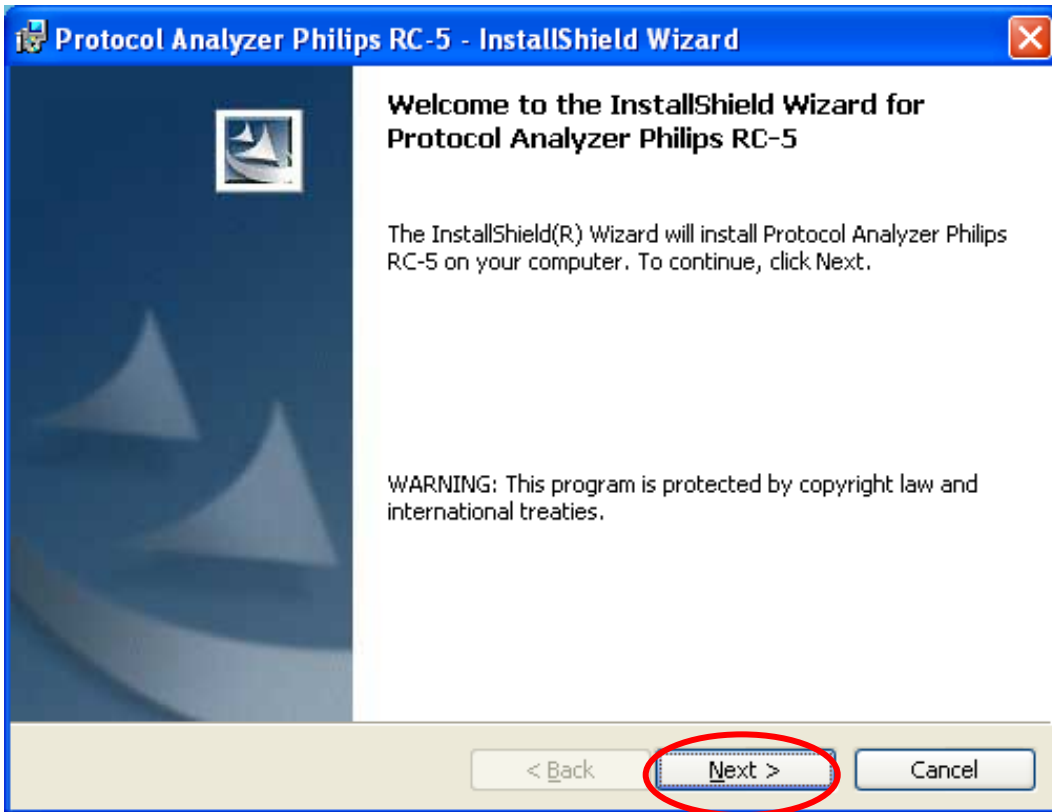


STEP 2. Click **Install**.

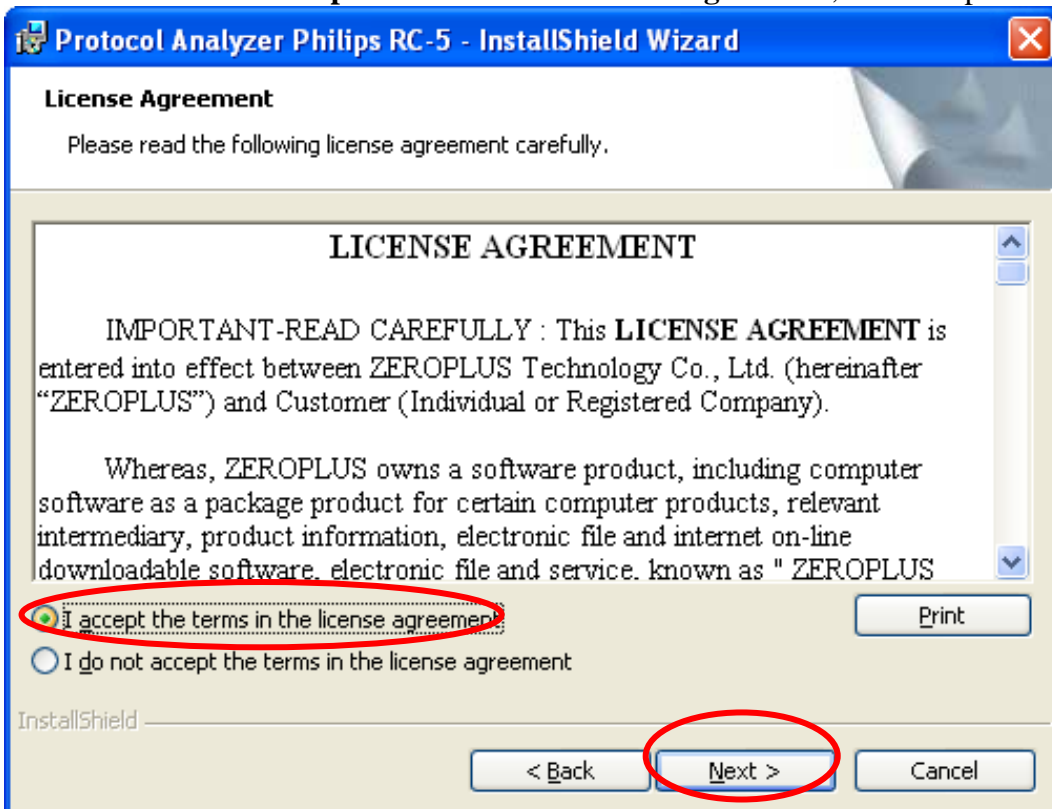




STEP 3. Click Next.



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**.

Protocol Analyzer Philips RC-5 - InstallShield Wizard

Customer Information

Please enter your information.

User Name:
kelly

Organization:
kelly

Install this application for:

Anyone who uses this computer (all users):

Only for me (kelly)

InstallShield

< Back **Next >** Cancel

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

Protocol Analyzer Philips RC-5 - InstallShield Wizard

Setup Type

Choose the setup type that best suits your needs.

Please select a setup type.

Complete
All program features will be installed. (Requires the most disk space.)

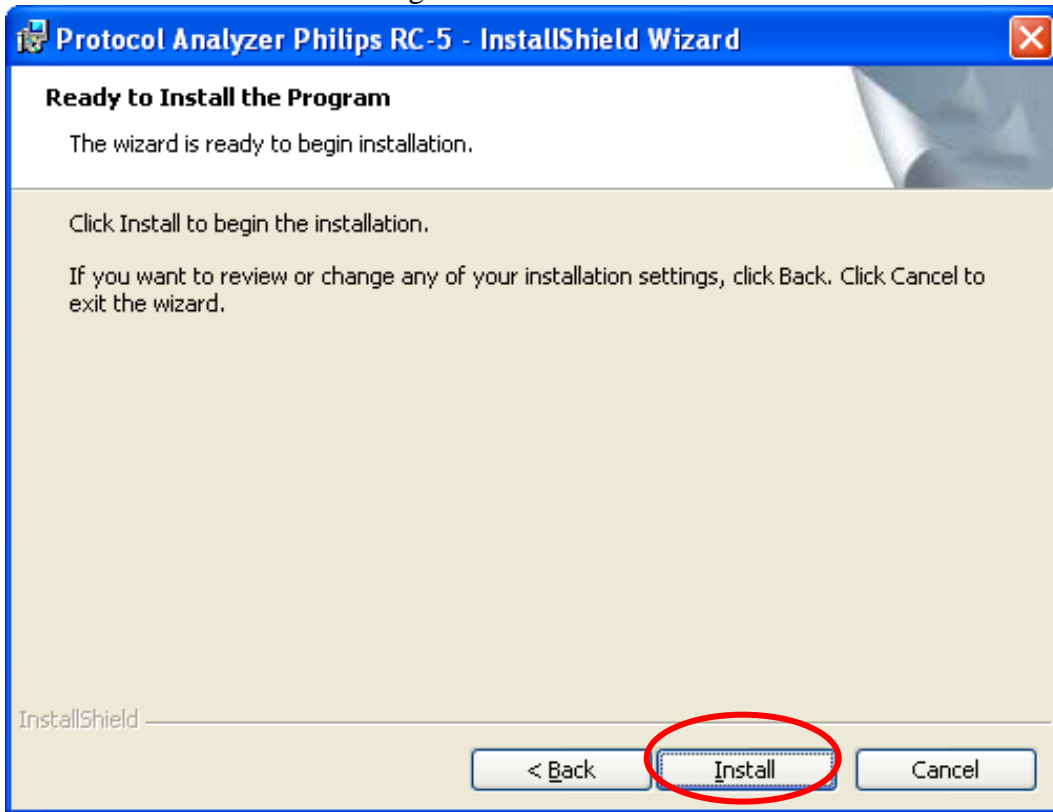
Custom
Choose which program features you want installed and where they will be installed. Recommended for advanced users.

InstallShield

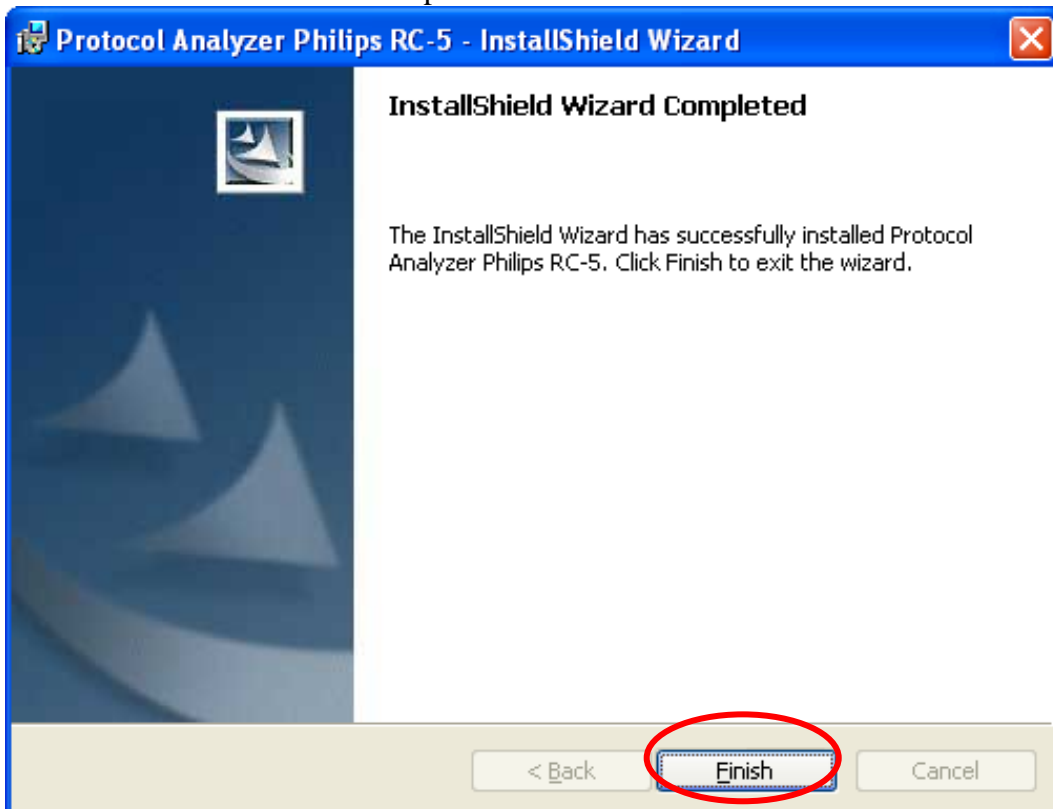
< Back **Next >** Cancel



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



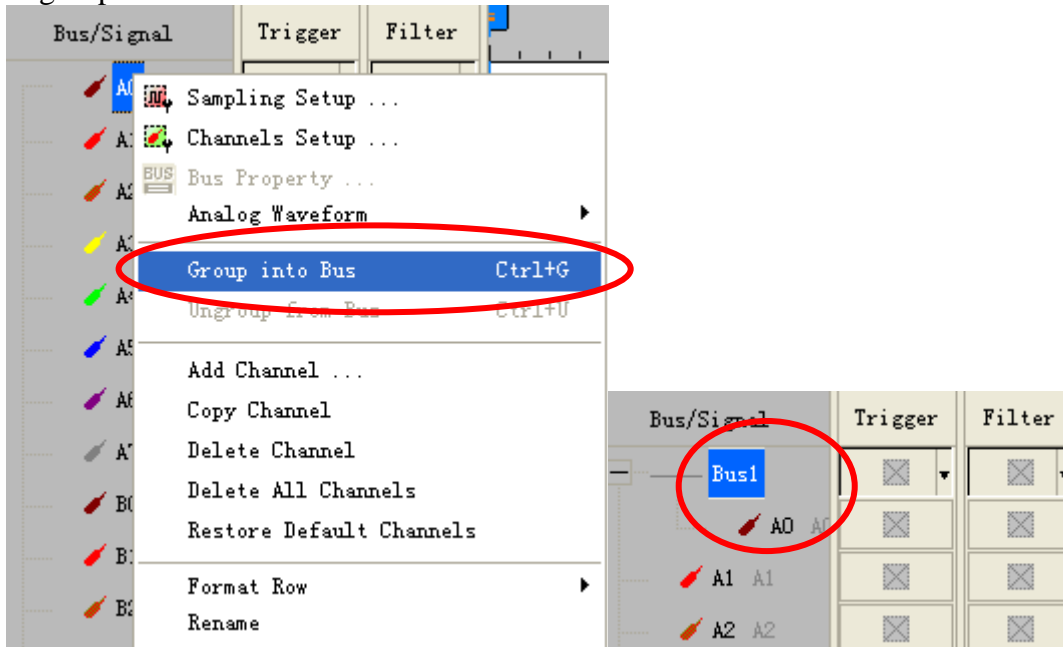
STEP 8. Click **Finish** to complete the installation.



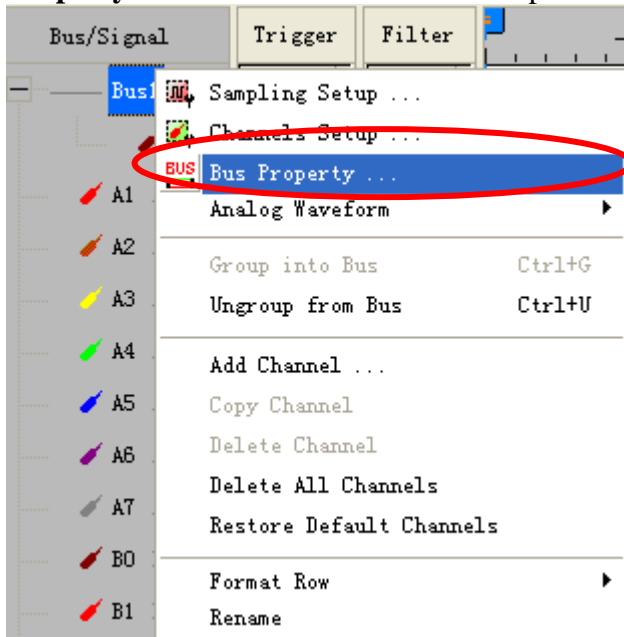


3 Software Register

STEP 1. Open the Logic Analyzer and group the unanalyzed channels into **Bus1** by pressing the **Right Key** on the mouse. Philips RC-5 needs more one channel to decode signals, so it is necessary to group one channel into a Bus.

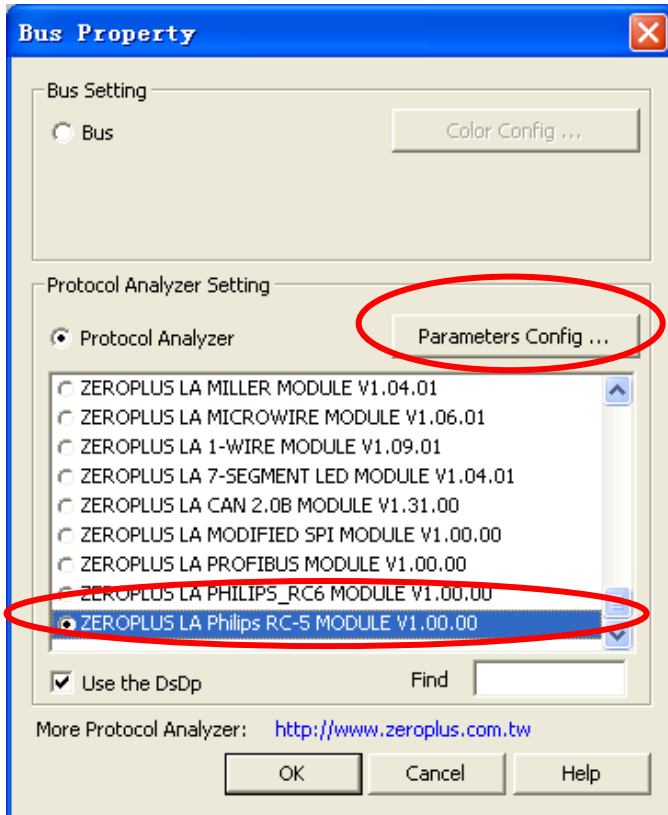


STEP 2. Select **Bus1**, then press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus** icon on the toolbar to open **Bus Property** dialog box.

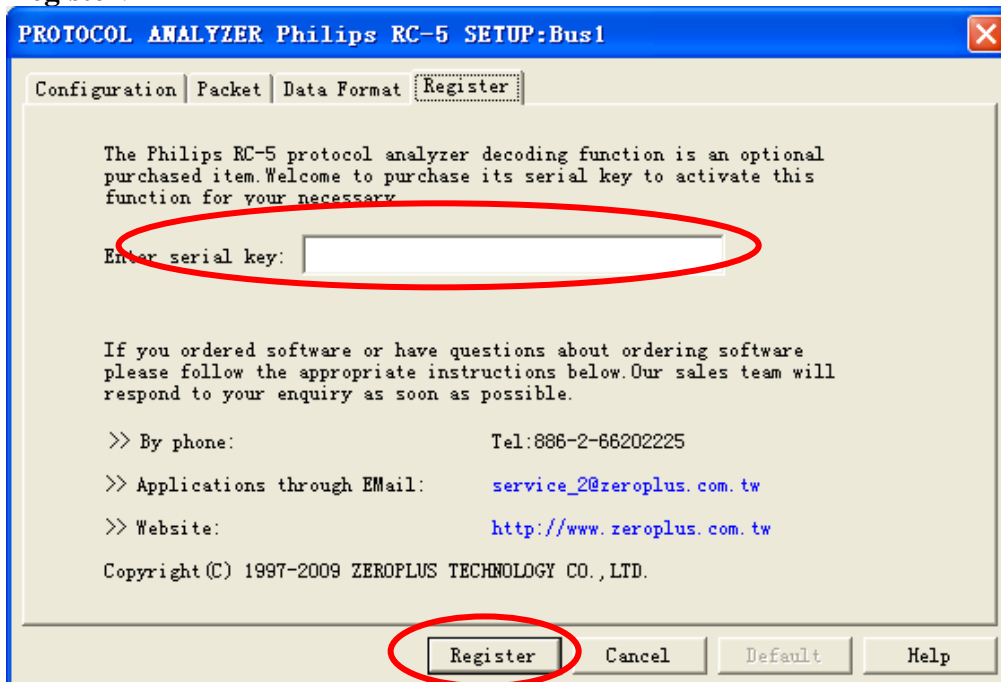




STEP 3. For Protocol Analyzer Philips RC-5 Parameters Configuration, select Protocol Analyzer, and then choose **ZEROPLUS LA Philips RC-5 MODULE V1.00.00**. Next click **Parameters Configuration** to open the **PROTOCOL ANALYZER Philips RC-5 SETUP** dialog box.

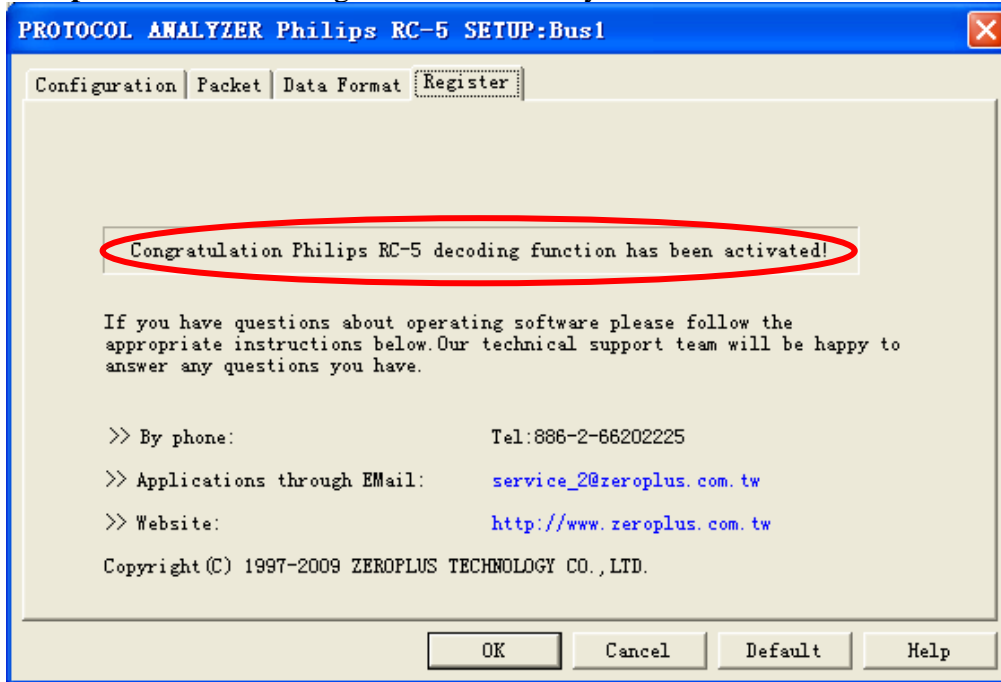


STEP 4. Press Register tab to type the serial key number of **Philips RC-5**. Then, press **Register**.





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

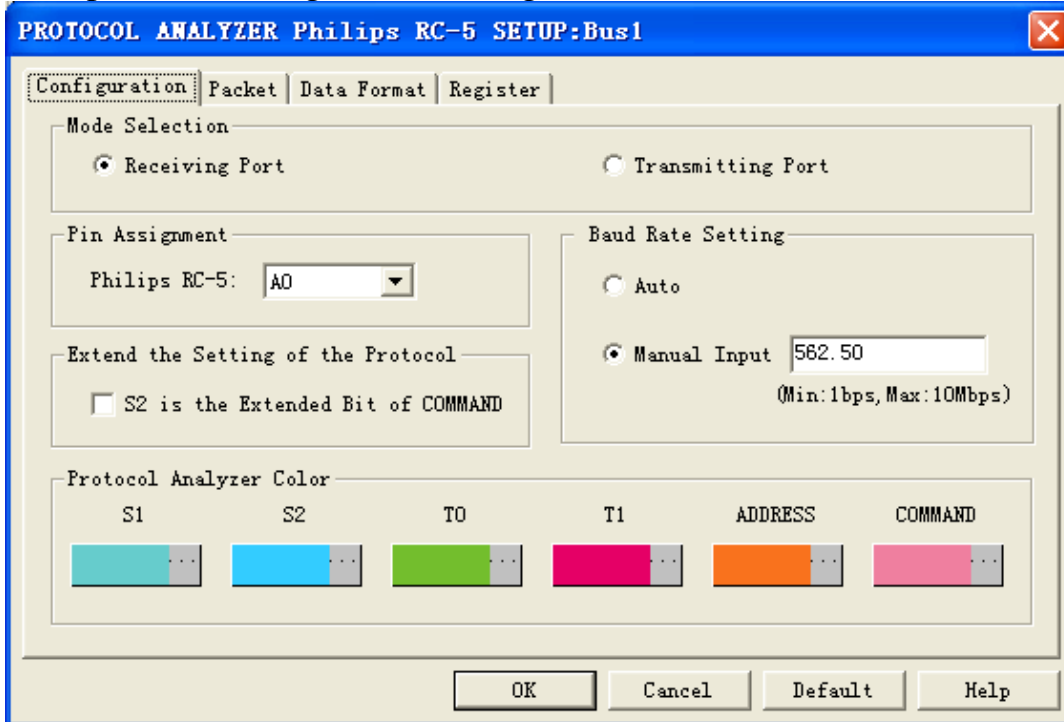




4 User Interface

In the configuration, please refer to the below images to select options of setting Philips RC-5 module.

Philips RC-5 Configuration Dialog Box



Mode Selection: There are two options, Receiving Port and Transmitting Port, and the default is Receiving Port.

Pin Assignment: It only needs one Data Signal Line.

Extend the Setting of the Protocol: When selecting this option, S2 is the Extended Bit of COMMAND, S2 is added to the last bit of the COMMAND; the default is not to activate this option.

Baud Rate Setting:

It can be divided into the below two types:

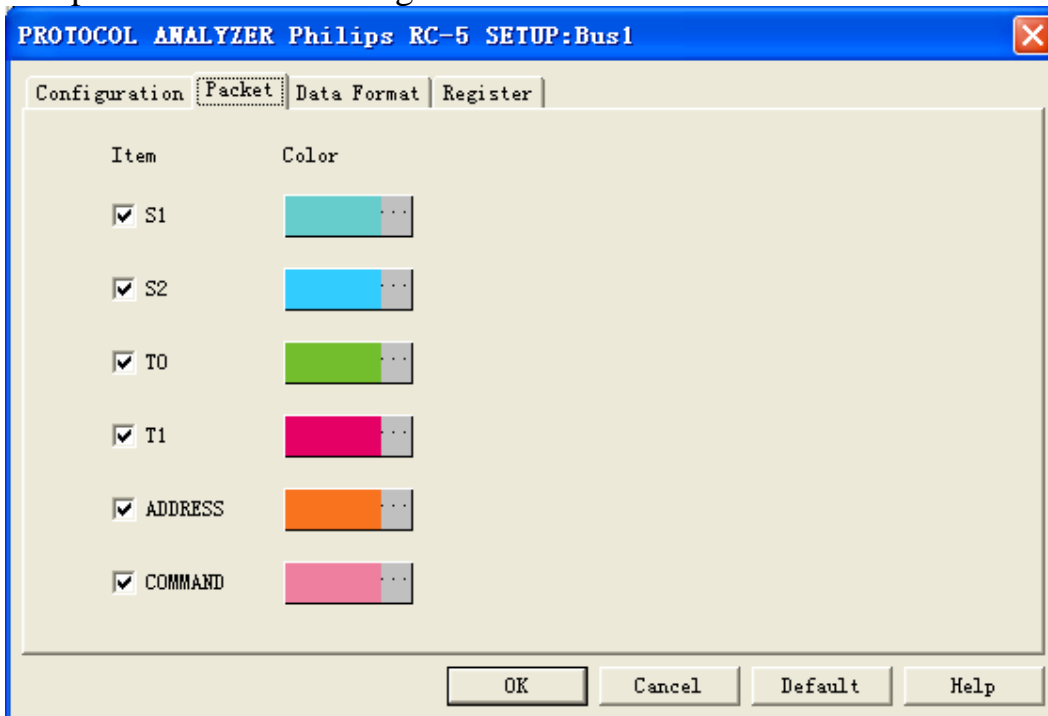
1. Auto: When selecting the option, Auto, the Baud Rate will be calculated automatically by decoding, and the correctly calculated value is also displayed.

2. Manual Input: The default of the Baud Rate Setting is Manual Input, and the default value is 562.50, which is the usual transmission speed. Users can fill the value between “1bps” and “10Mbps”.

Protocol Analyzer Color: Users can set the color of each item in this part.

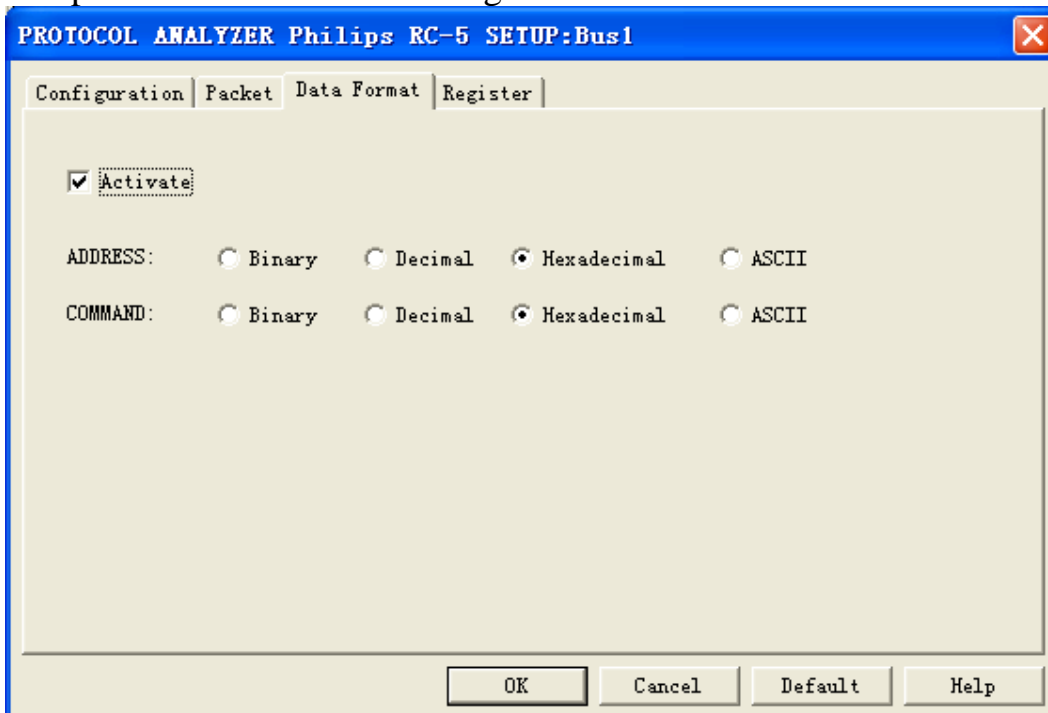


Philips RC-5 Packet Dialog Box



In the packet part, users can set the items and colors as users' requirements.

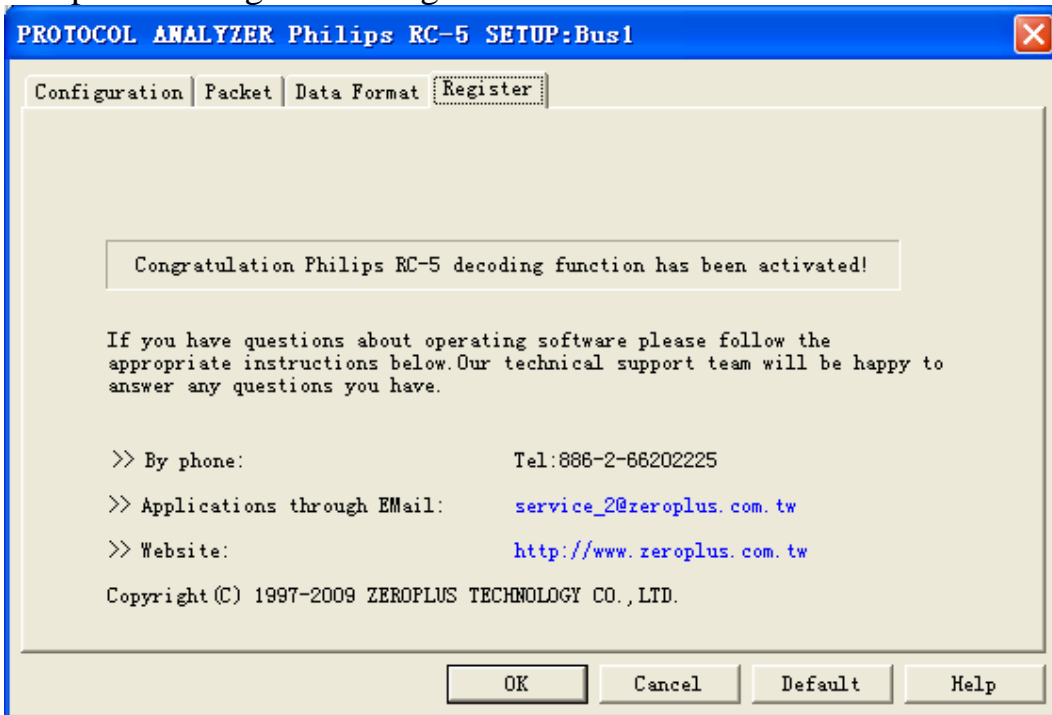
Philips RC-5 Data Format Dialog Box



Users can set the Data Format of the ADDRESS and COMMAND as their requirements. When selecting the option, Activate, the data formats are decided by the settings in the Protocol Analyzer; when not selecting the option, Activate, the data formats are decided by the settings in the main program.



Philips RC-5 Register Dialog Box

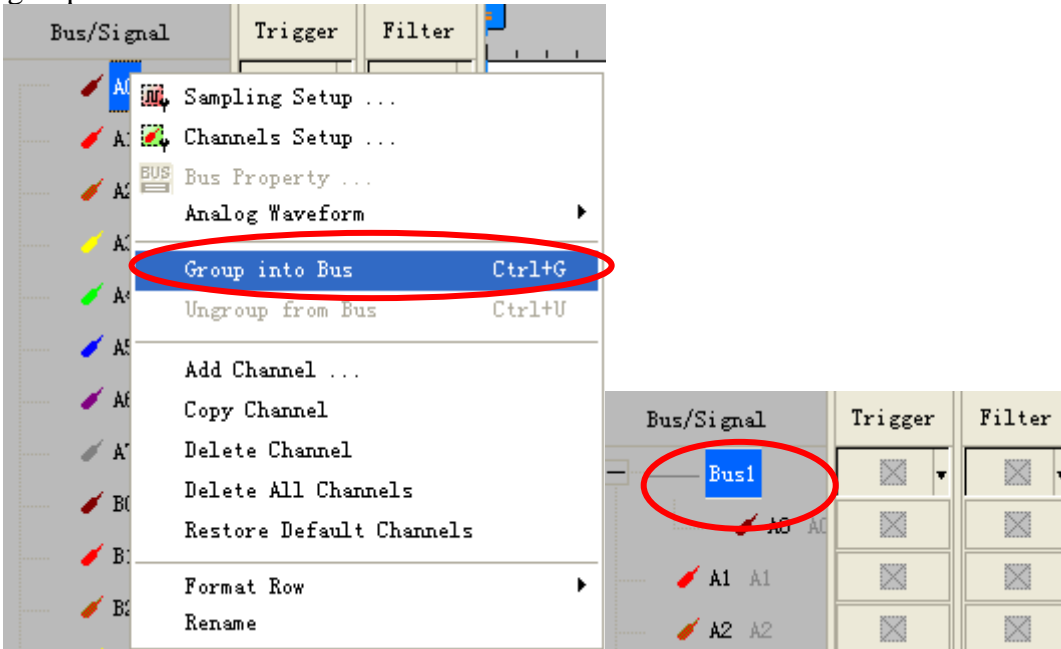


There is written ZeroPlus company information. If you have any questions about software operations, you can contact ZeroPlus by Telephone or Email.

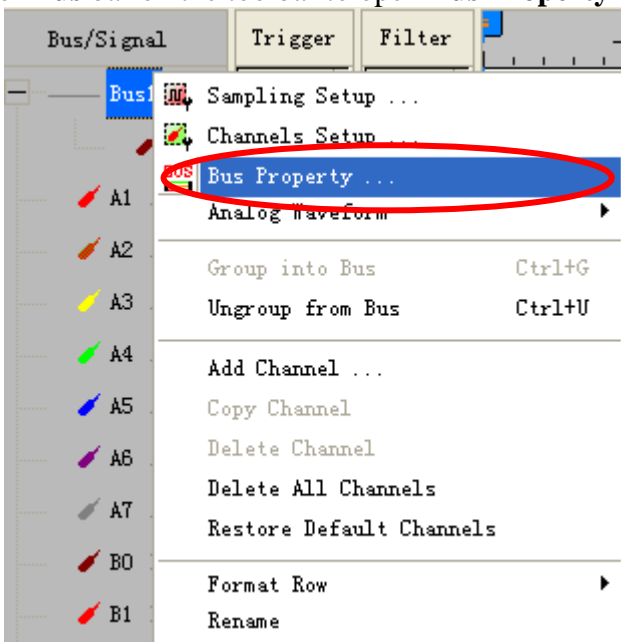


5 Operating Instructions

STEP 1. Open the Logic Analyzer and group the unanalyzed channels into **Bus1** by pressing the **Right Key** on the mouse. Philips RC-5 needs more one channel to decode signals, so it is necessary to group one channel into a Bus.

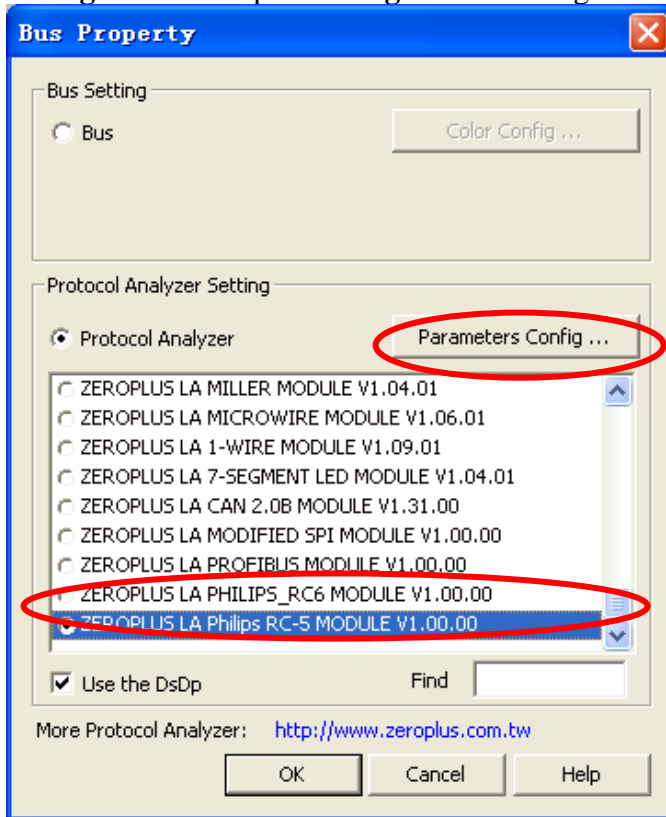


STEP 2. Select **Bus1**, and press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus** bar on the toolbar to open **Bus Property** dialog box.

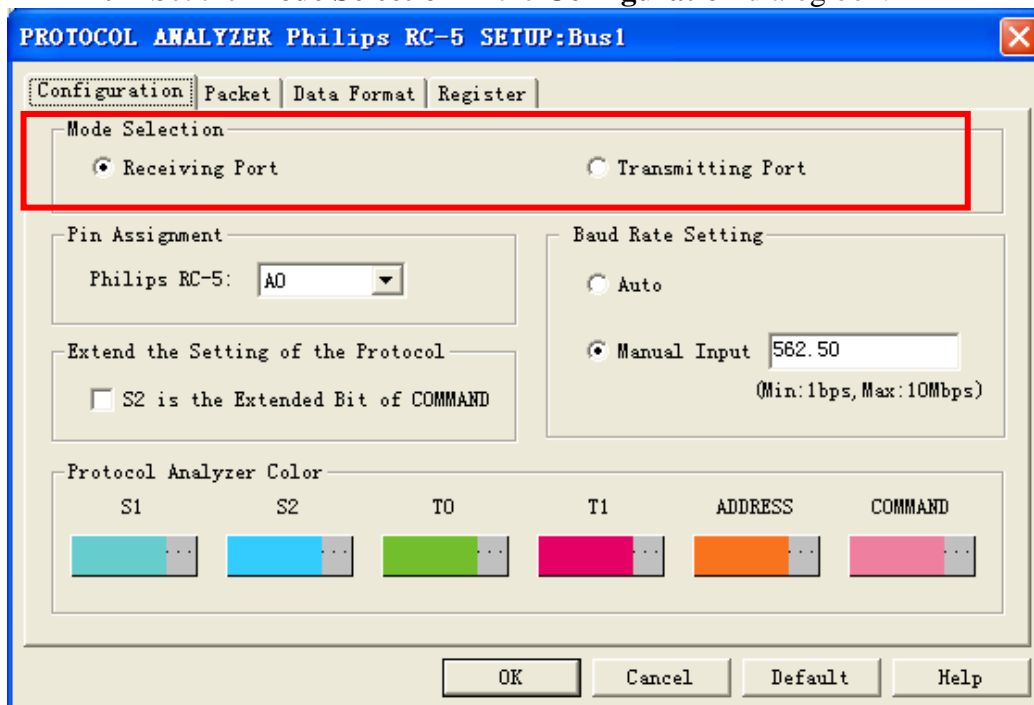




STEP 3. For Protocol Analyzer **Philips RC-5** Parameters Configuration, select Protocol Analyzer, and then choose **ZEROPLUS LA Philips RC-5 MODULE V1.00.00**. Next click **Parameters Configuration** to open **Configuration** dialog box.

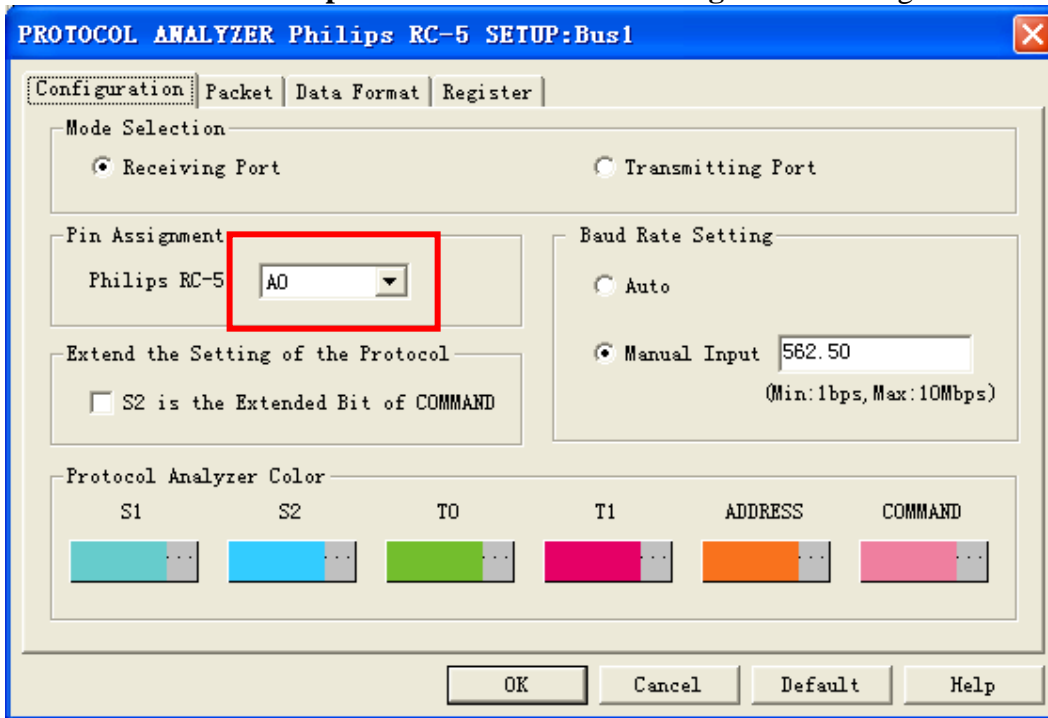


STEP 4. Set the **Mode Selection** in the **Configuration** dialog box.

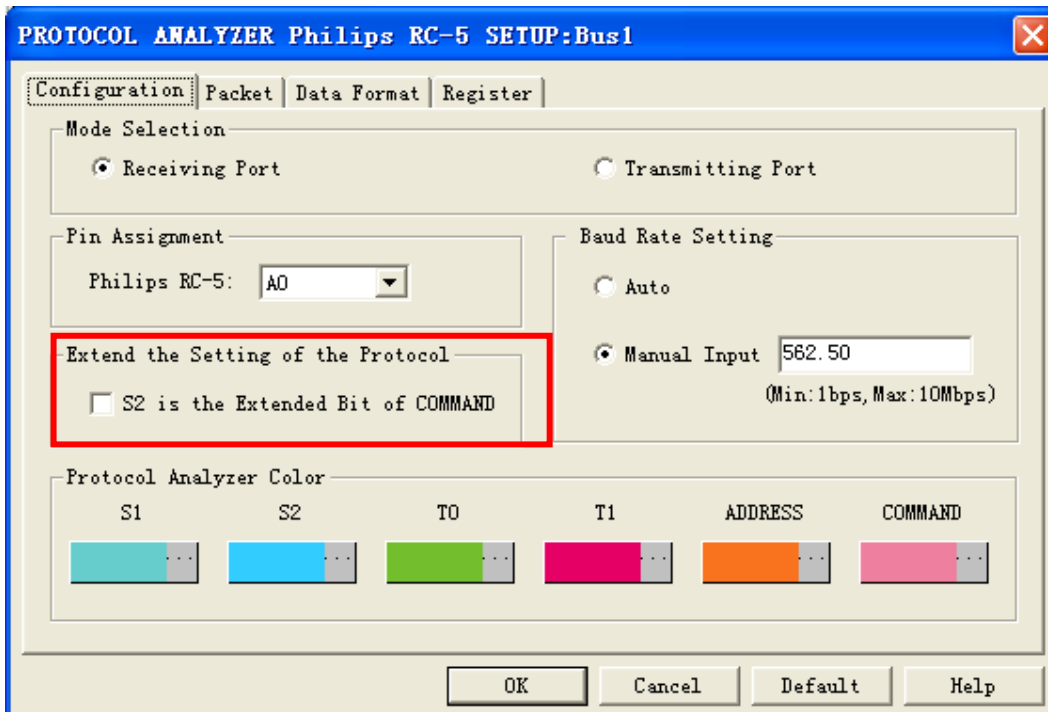




STEP 5. Set the Philips RC-5 channel in the Configuration dialog box.

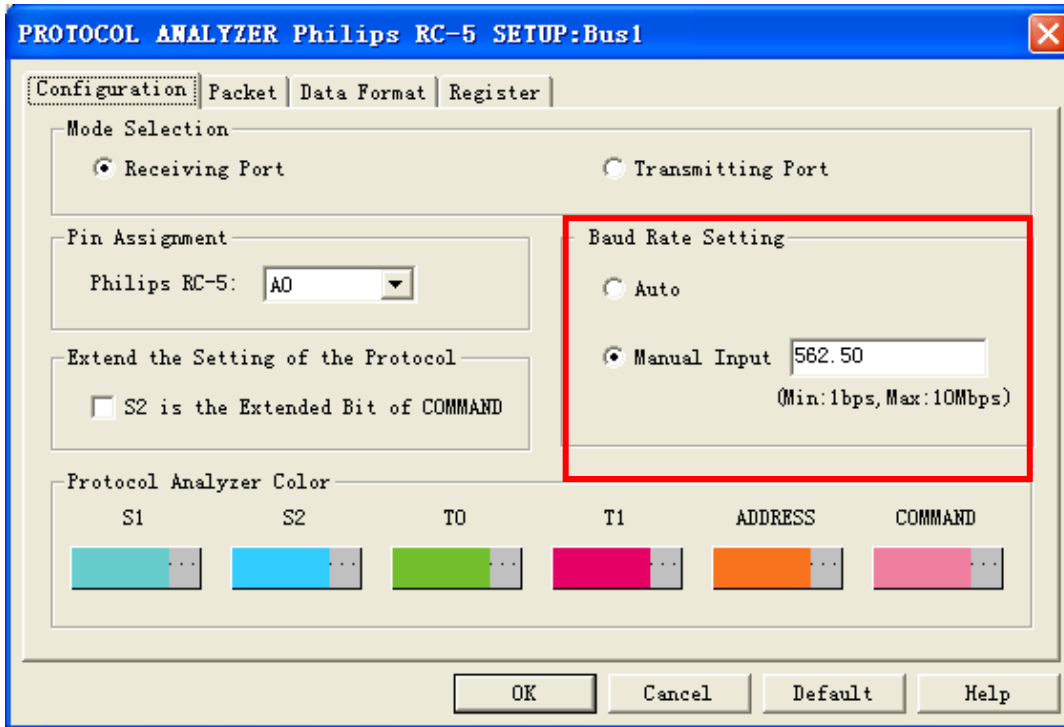


STEP 6. Users can decide whether to select the option, S2 is the Extended Bit of COMMAND, or not.



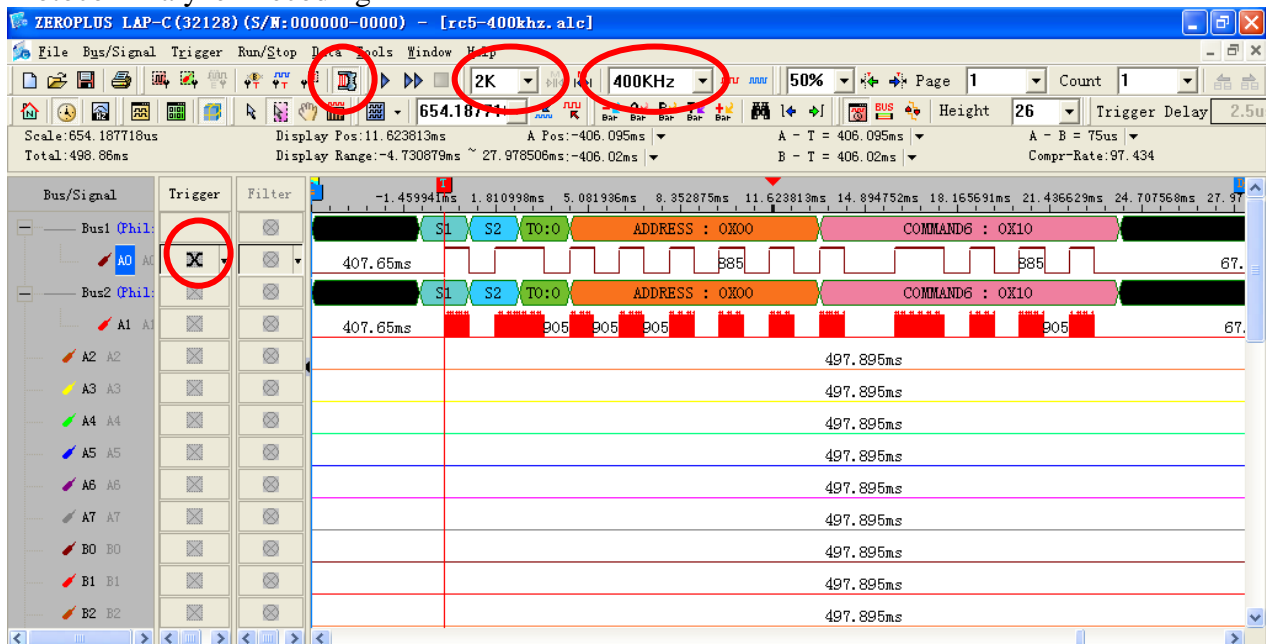


STEP 7. Set the **Baud Rate Setting** in the Configuration dialog box; the default is Manual Input and the default value is 562.50.



STEP 8. Following pictures show the completion of the protocol analyzer decoding and the packet list. The trigger condition is to set A0 as Either Edge; the memory depth is 2K; the sampling frequency is 400KHz (the sampling frequency should be more than 4 times higher than the signal to be tested); the Compression function is activated.

Protocol Analyzer Decoding





Packet List

