



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

# SPECIFICATION

**MODEL: B10009-LAP-PT2262/PT2272-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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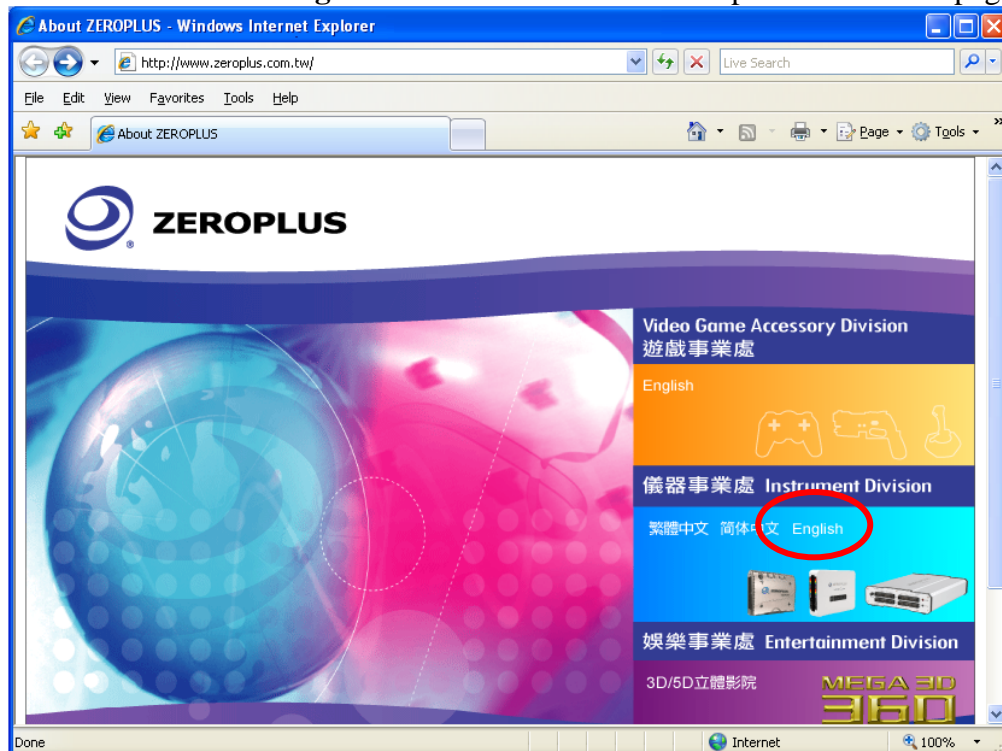
## 1 Software Download

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.

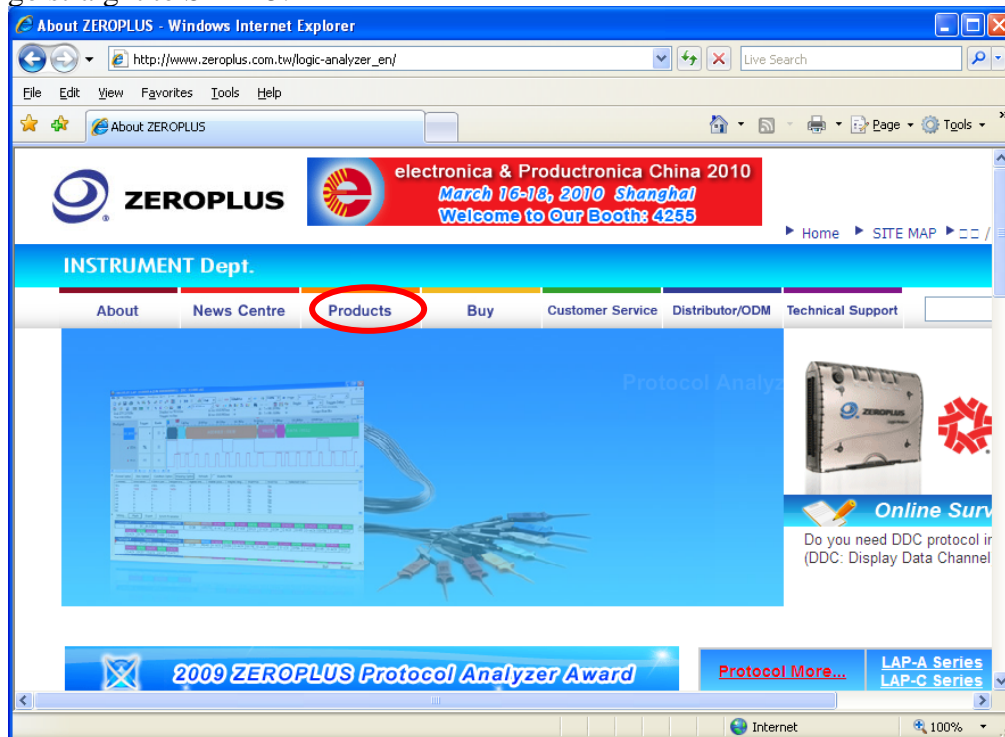
**STEP 1.** Visit the website of ZeroPlus: <http://www.zeroplus.com.tw>.

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

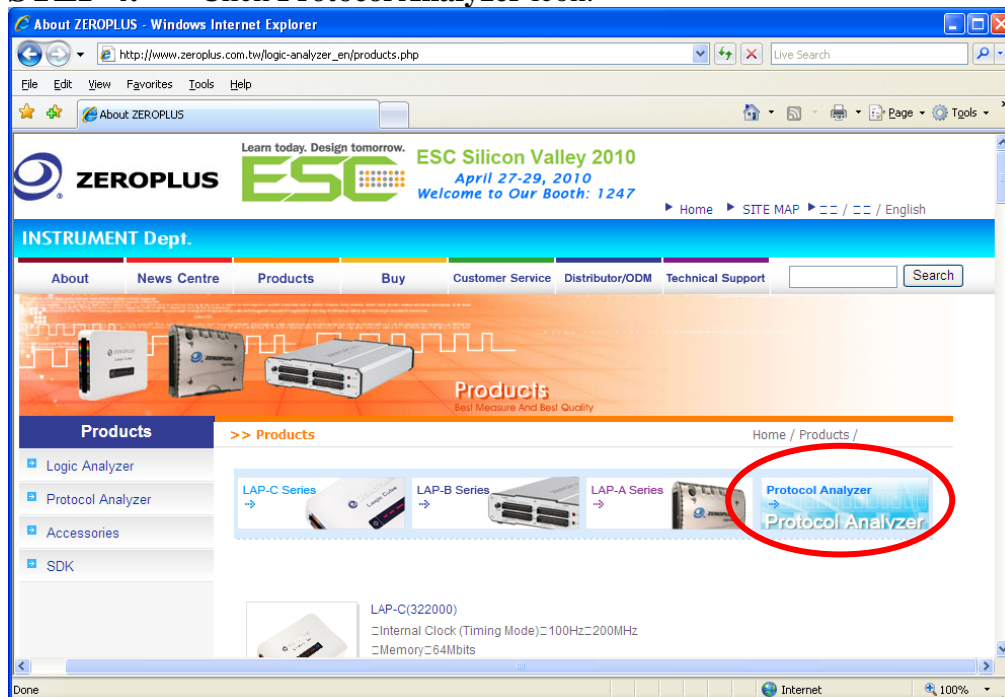




**STEP 3.** Click **Products** menu or select **Protocol Analyzer** item from its pull-down menu to go straight to STEP 5.

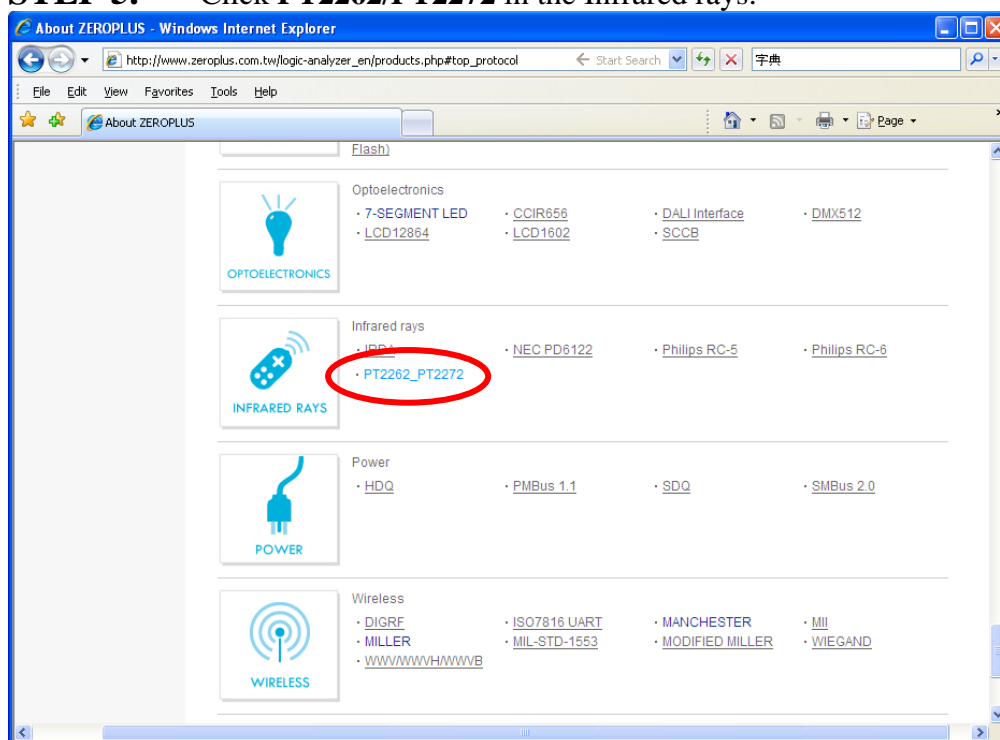


**STEP 4.** Click **Protocol Analyzer** icon.

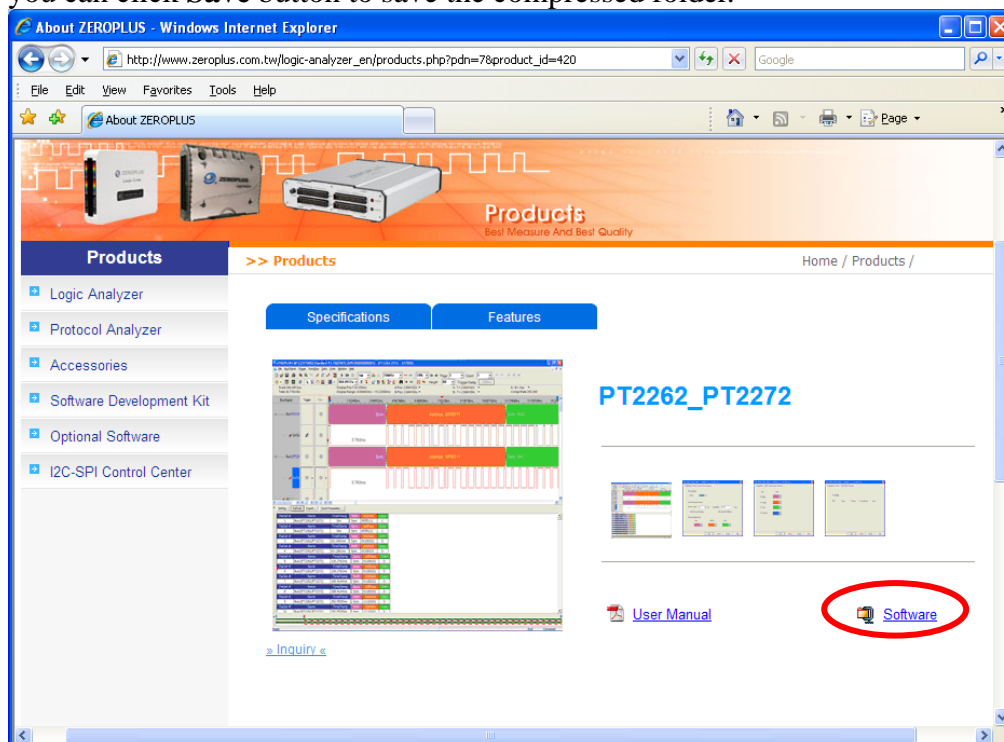




**STEP 5.** Click **PT2262/PT2272** in the Infrared rays.



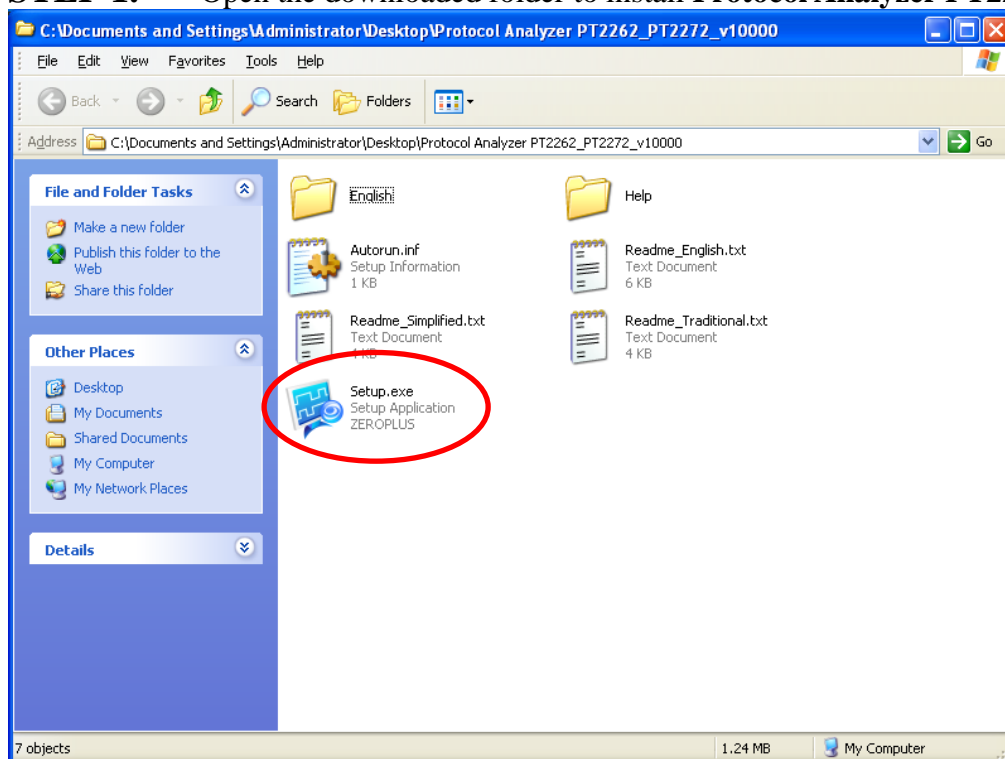
**STEP 6.** Click **Software** in the Products page. When the File Download dialog box appears, you can click **Save** button to save the compressed folder.



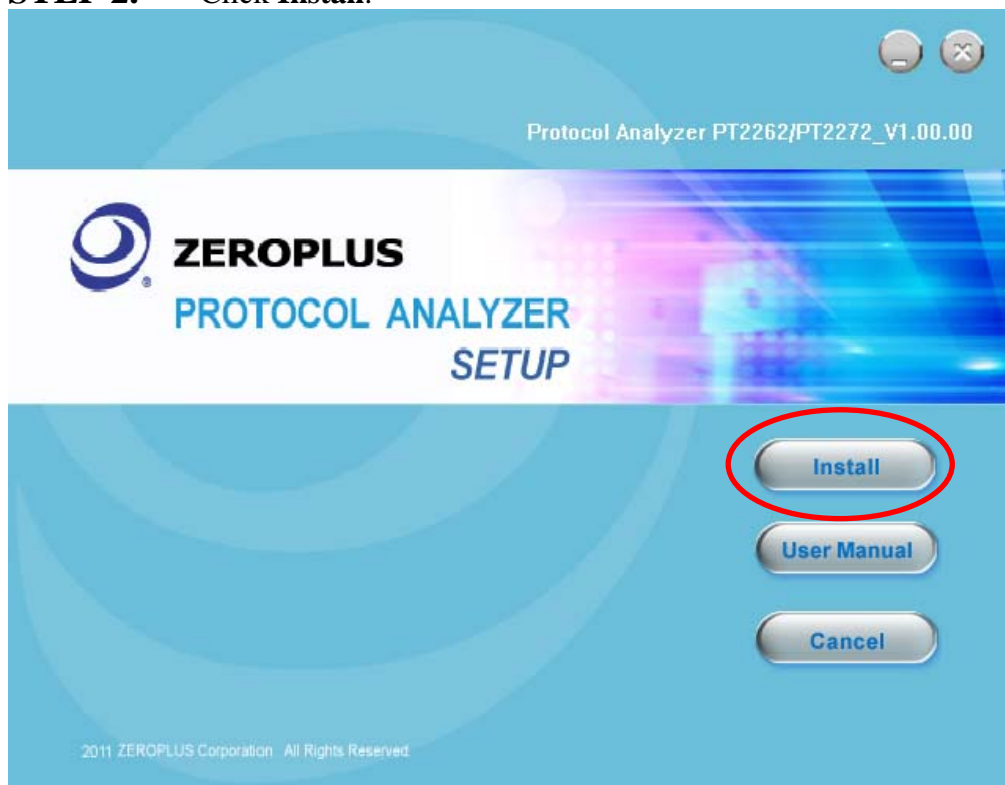


## 2 Software Installation

**STEP 1.** Open the downloaded folder to install **Protocol Analyzer PT2262/PT2272**.

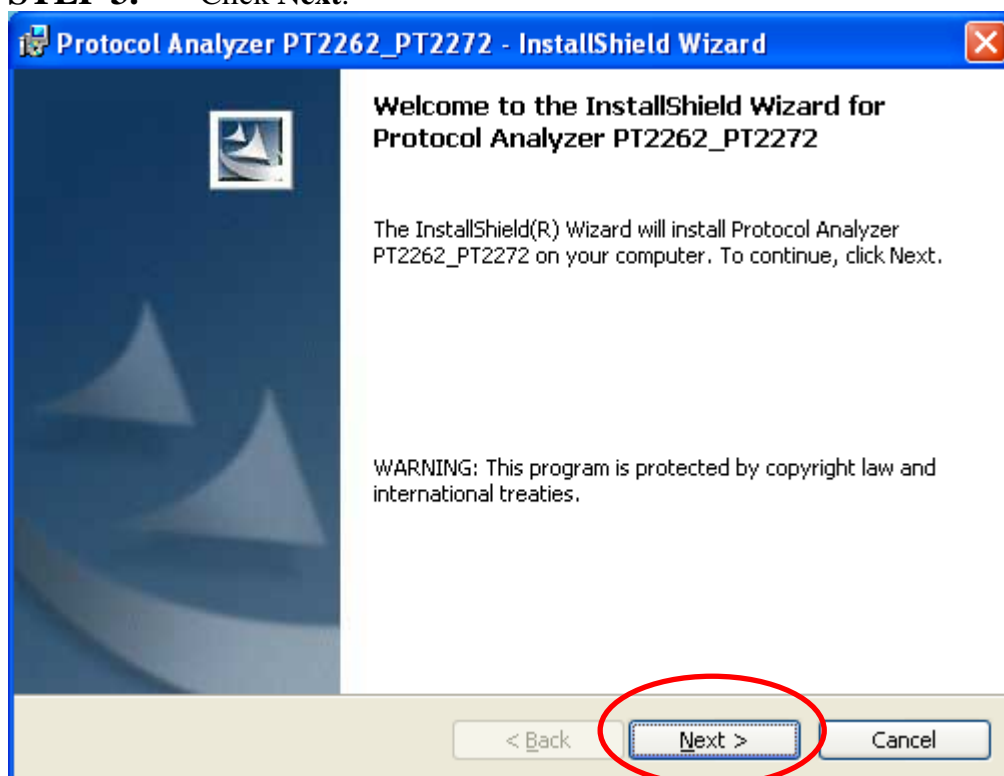


**STEP 2.** Click **Install**.

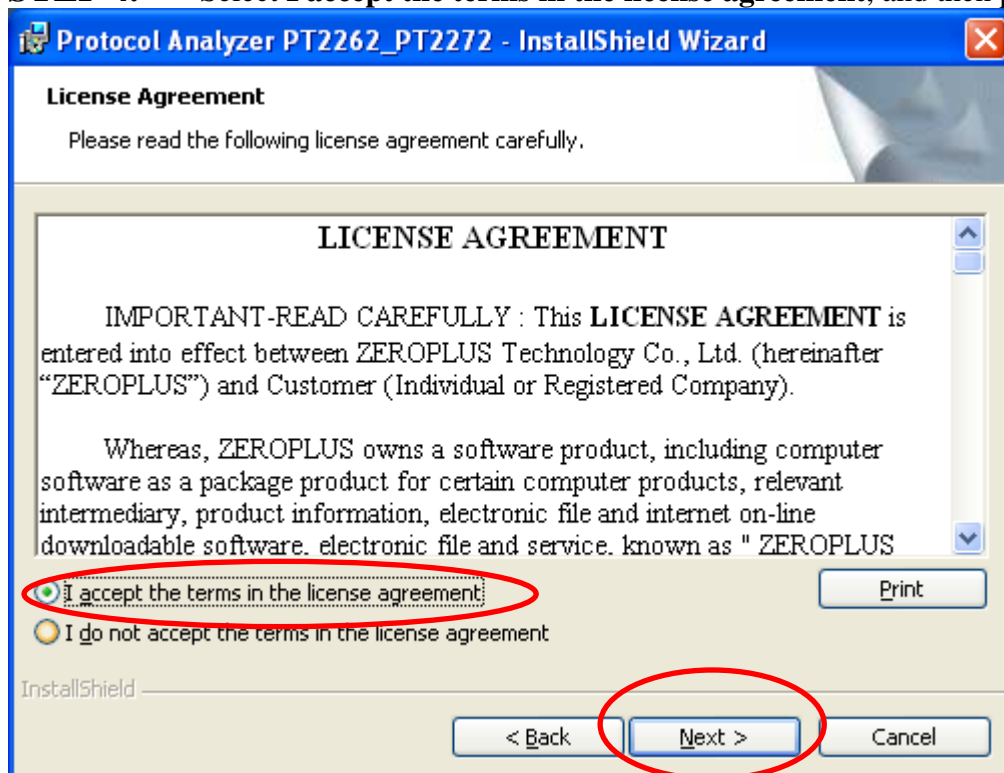




**STEP 3.** Click Next.



**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 PT2262\_PT2272 - InstallShield Wizard". It has a blue header bar with a close button (X) on the right. The main area is titled "Customer Information" and contains the text "Please enter your information." Below this, there are two text input fields: "User Name:" with the text "Microsoft" entered, and "Organization:" with the text "User" entered. Below the input fields, there is a section titled "Install this application for:" with two radio button options: "Anyone who uses this computer (all users)" (which is selected) and "Only for me (Microsoft)". At the bottom of the dialog, there is a status bar with the text "InstallShield" and three buttons: "< Back", "Next >" (which is circled in red), and "Cancel".

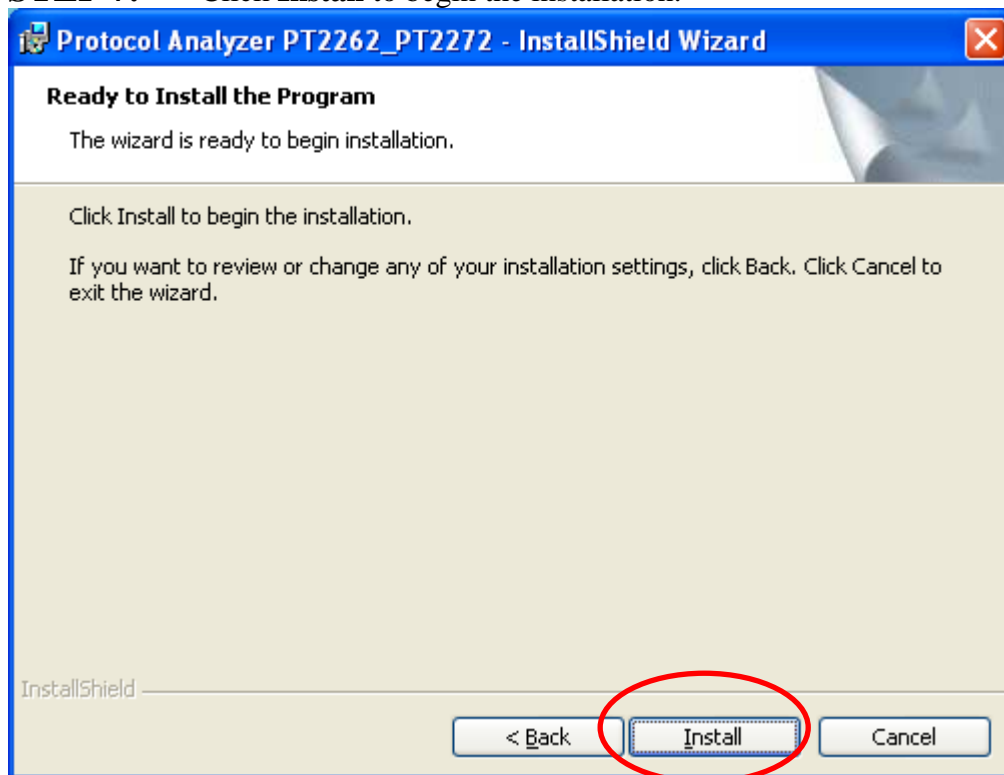
**STEP 6.** First, select **Complete** and then click **Next**.

The dialog box is titled "Protocol Analyzer PT2262\_PT2272 - InstallShield Wizard". It has a blue header bar with a close button (X) on the right. The main area is titled "Setup Type" and contains the text "Choose the setup type that best suits your needs." Below this, there is a section titled "Please select a setup type." with two radio button options: "Complete" (which is selected) and "Custom". Each option has a small icon of a computer with a red X and a description: "All program features will be installed. (Requires the most disk space.)" for Complete, and "Choose which program features you want installed and where they will be installed. Recommended for advanced users." for Custom. At the bottom of the dialog, there is a status bar with the text "InstallShield" and three buttons: "< Back", "Next >" (which is circled in red), and "Cancel".

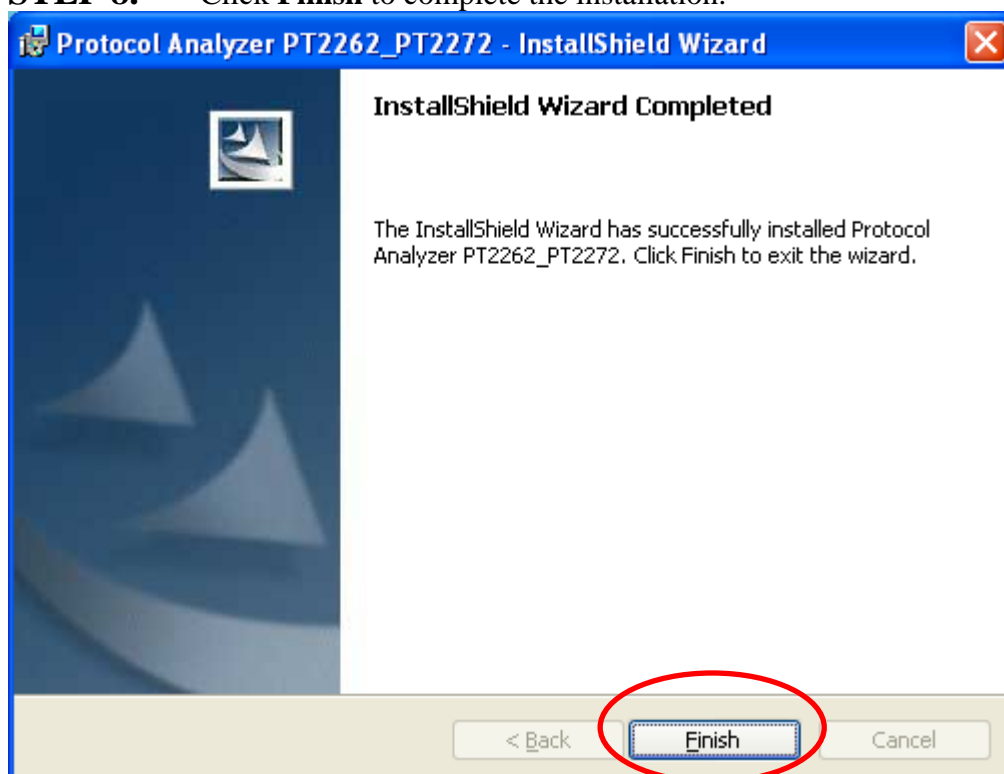




**STEP 7.** Click **Install** to begin the installation.



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

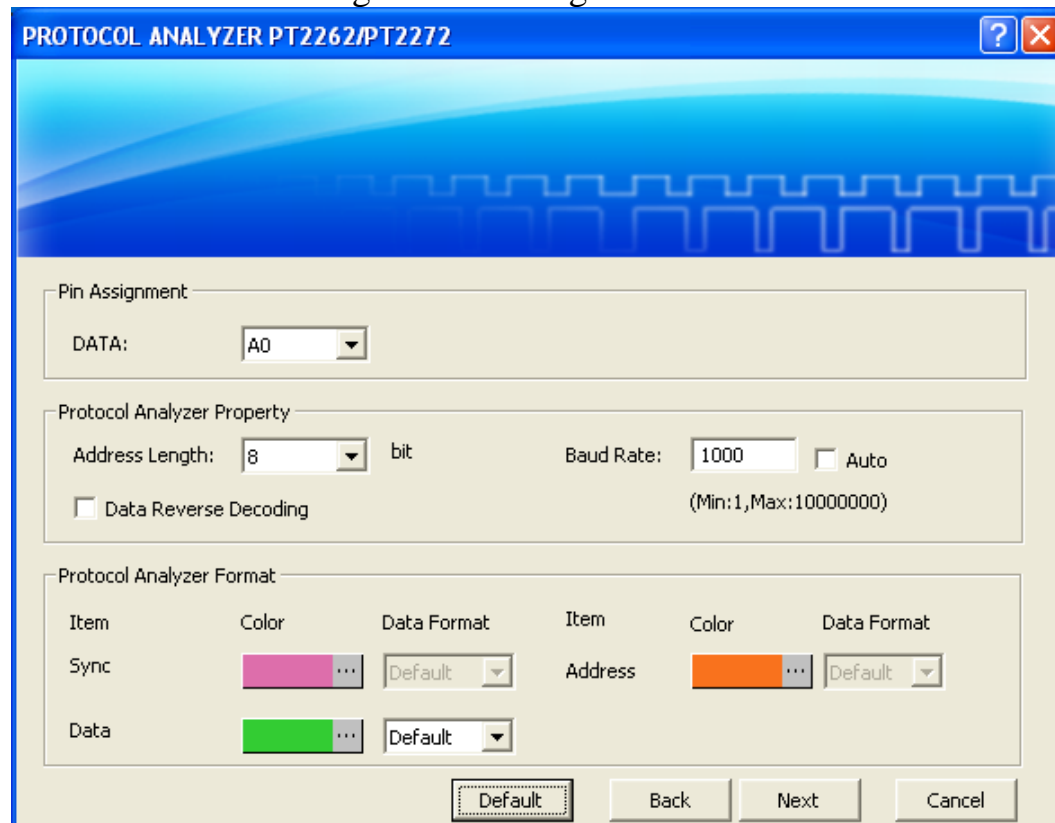




### 3 User Interface

In the configuration, please refer to below images to select options of **PT2262/PT2272** module.

#### PT2262/PT2272 Configuration Dialog Box



#### Pin Assignment:

PT2262/PT2272 only needs one channel to decode signals.

#### Protocol Analyzer Property:

**Address Length:** The Length of the Address can be selected from the options (4, 5, 6, 7, 8, 9, 10, 11 and 12) on the pull-down menu, and the default is 8.

**Baud Rate:** It is used to calculate the width of the waveform in the process of decoding. And the value of the Baud Rate can be set in the range from 1 to 10000000.

**Auto:** When the Auto is selected, the Baud Rate can be calculated and displayed automatically. But the Auto is not selected by default.

**Data Reverse Decoding:** When the Data Reverse Decoding is selected, the data will be decoded in reverse. But the default is that the Data Reverse Decoding is not selected.

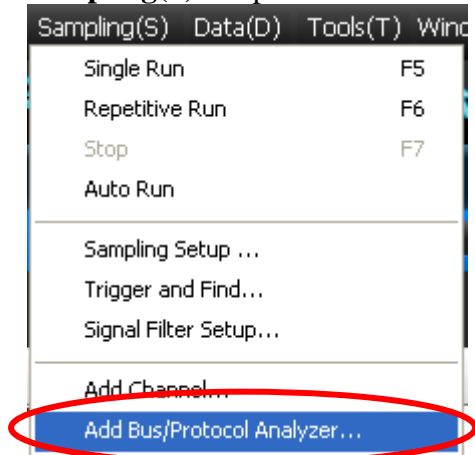
#### Protocol Analyzer Format:

The Color of each Item can be varied as the users' requirements. The Item, Data, can be set as Binary, Decimal, Hexadecimal, ASCII or Default. And the Data Format of the Item, Data, in the Waveform Display Area and Packet List is controlled by the Protocol Analyzer. The default Data Format is controlled by the main program and the Data Format of the item, Data, is the Default.

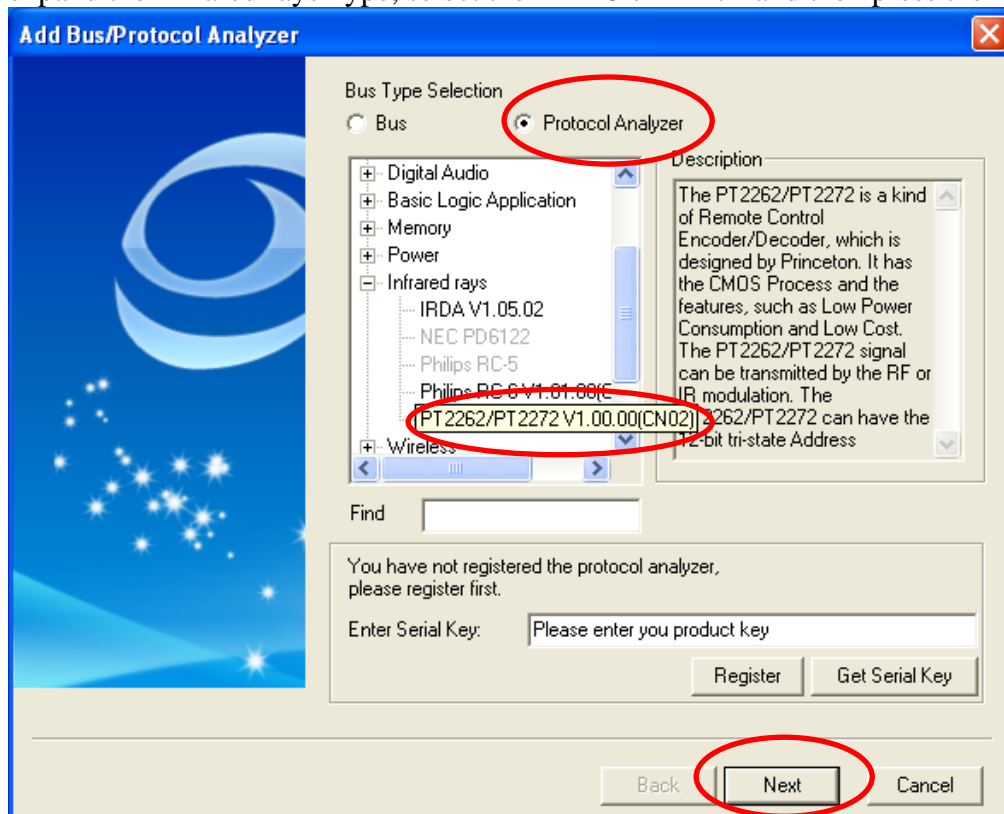


## 4 Operating Instructions

**STEP 1.** Select the **Add Bus/Protocol Analyzer** item on the pull-down menu of the **Sampling(S)** to open the **Add Bus/Protocol Analyzer** dialog box.

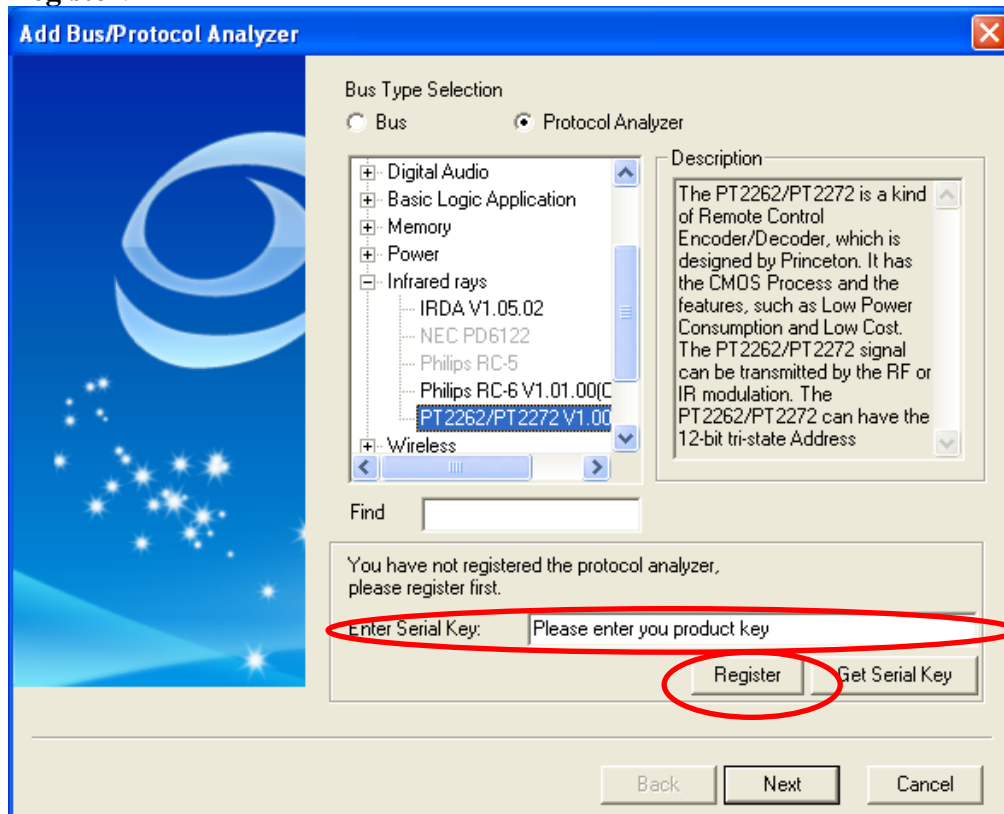


**STEP 2.** Select the Protocol Analyzer item in the Add Bus/Protocol Analyzer dialog box, expand the Infrared rays Type, select the PT2262/PT2272 and then press the **Next**.

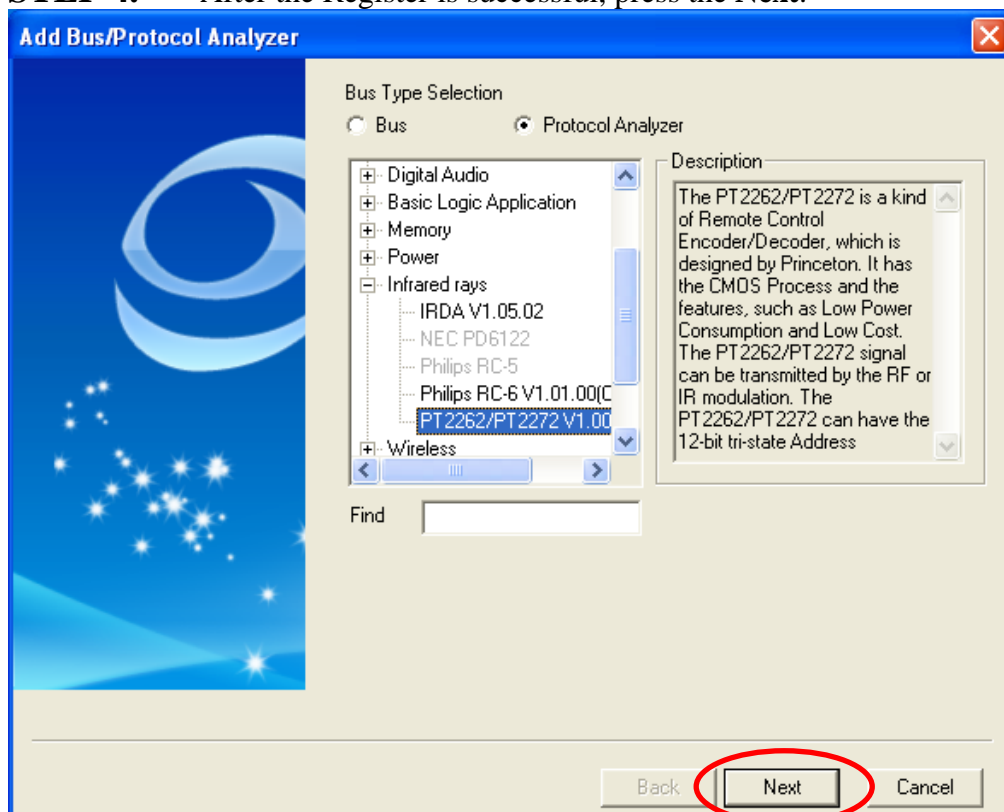




**STEP 3.** Enter the Serial Key of PT2262/PT2272 under this Model, and then press the **Register**.

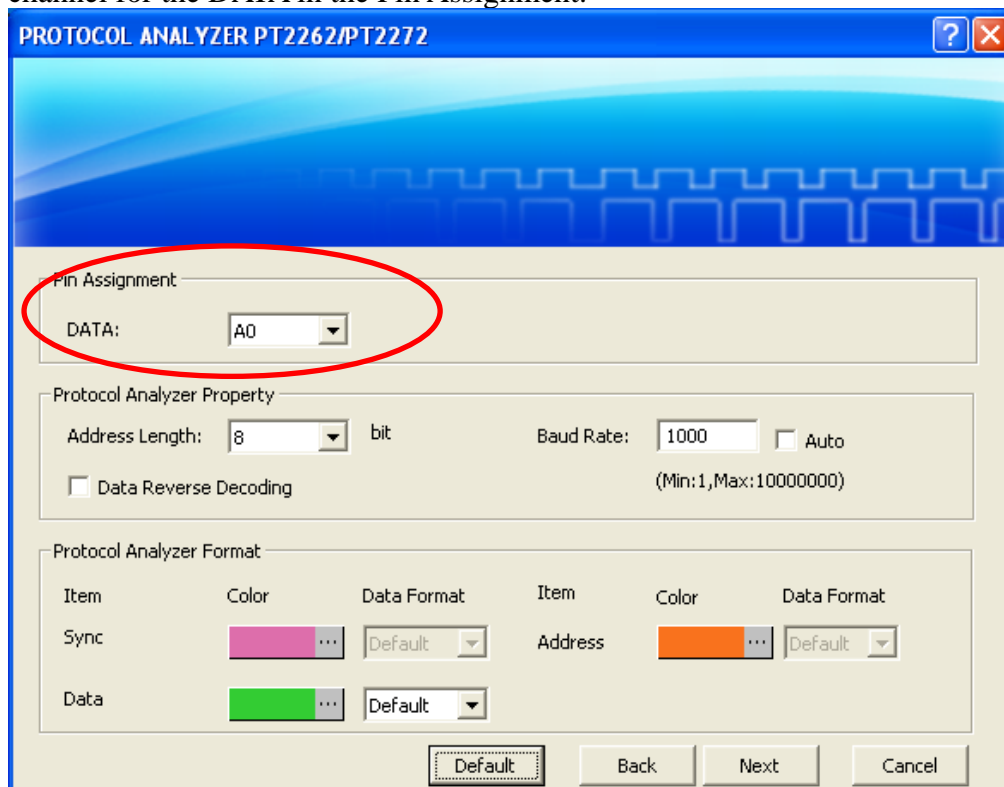


**STEP 4.** After the Register is successful, press the **Next**.

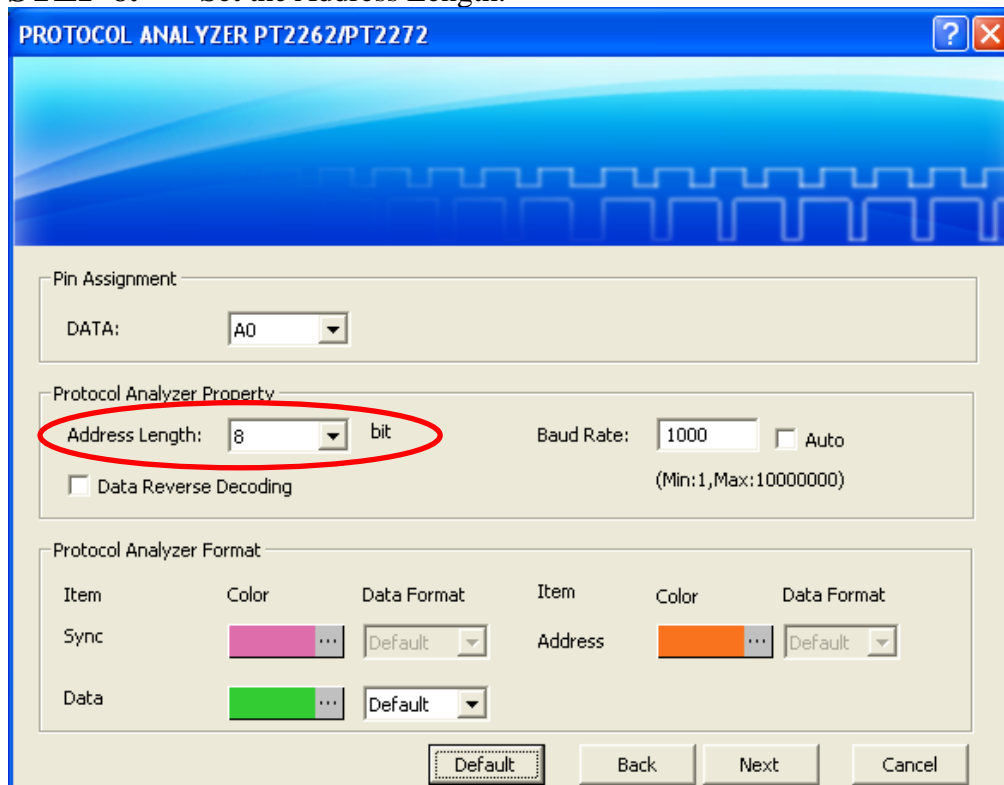




**STEP 5.** Open the PROTOCOL ANALYZER PT2262/PT2272 dialog box, and set the channel for the DATA in the Pin Assignment.



**STEP 6.** Set the Address Length.





**STEP 7.** Set the value of the Baud Rate in the range from 1 to 10000000, or select the **Auto** to set the Baud Rate automatically.

PROTOCOL ANALYZER PT2262/PT2272

Pin Assignment  
DATA: A0

Protocol Analyzer Property  
Address Length: 8 bit  
Baud Rate: 1000 ☐ Auto  
(Min:1,Max:10000000)

Protocol Analyzer Format

Item	Color	Data Format	Item	Color	Data Format
Sync		Default	Address		Default
Data		Default			

Default Back Next Cancel

**STEP 8.** Set the Data Reverse Decoding.

PROTOCOL ANALYZER PT2262/PT2272

Pin Assignment  
DATA: A0

Protocol Analyzer Property  
Address Length: 8 bit  
Baud Rate: 1000 ☐ Auto  
(Min:1,Max:10000000)

Protocol Analyzer Format

Item	Color	Data Format	Item	Color	Data Format
Sync		Default	Address		Default
Data		Default			

Default Back Next Cancel



**STEP 9.** Set the Color of each Item and the Data Format of the Item, Data.

PROTOCOL ANALYZER PT2262/PT2272

Pin Assignment  
DATA: A0

Protocol Analyzer Property  
Address Length: 8 bit Baud Rate: 1000 ☐ Auto  
☐ Data Reverse Decoding (Min:1,Max:10000000)

Protocol Analyzer Format

Item	Color	Data Format	Item	Color	Data Format
Sync		Default	Address		Default
Data		Default			

Default Back Next Cancel

**STEP 10.** Press the **Next** to finish all settings.

PROTOCOL ANALYZER PT2262/PT2272

Pin Assignment  
DATA: A0

Protocol Analyzer Property  
Address Length: 8 bit Baud Rate: 1000 ☐ Auto  
☐ Data Reverse Decoding (Min:1,Max:10000000)

Protocol Analyzer Format

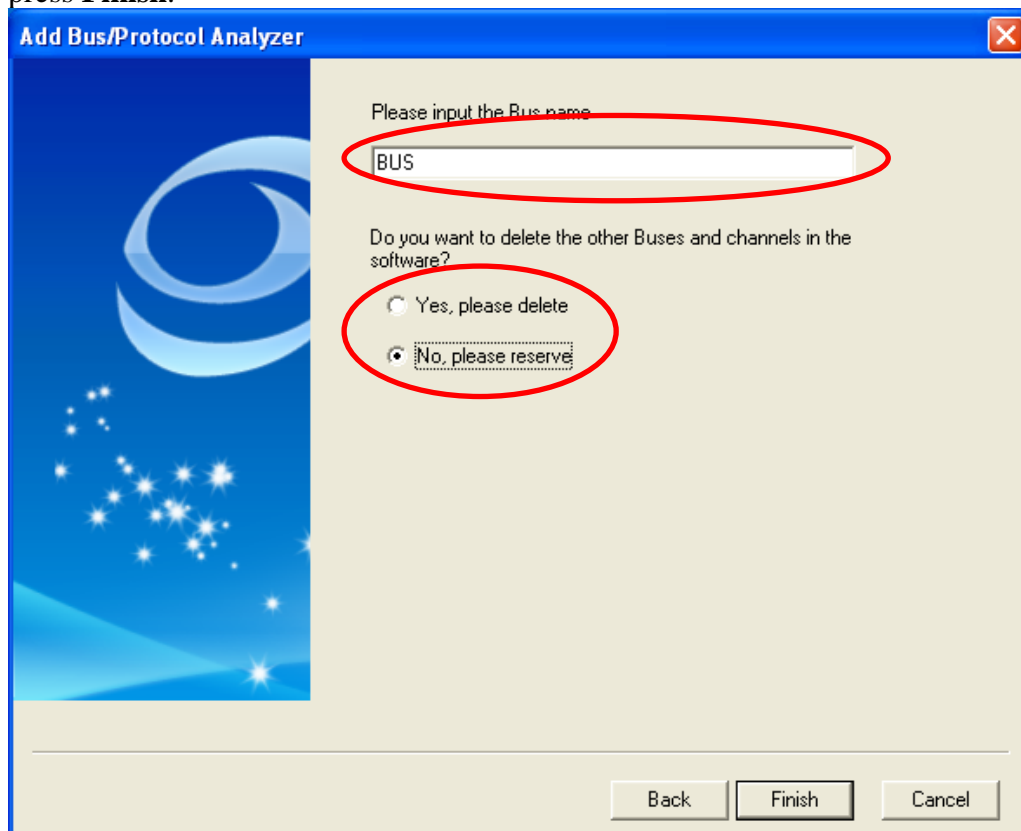
Item	Color	Data Format	Item	Color	Data Format
Sync		Default	Address		Default
Data		Default			

Default Back **Next** Cancel



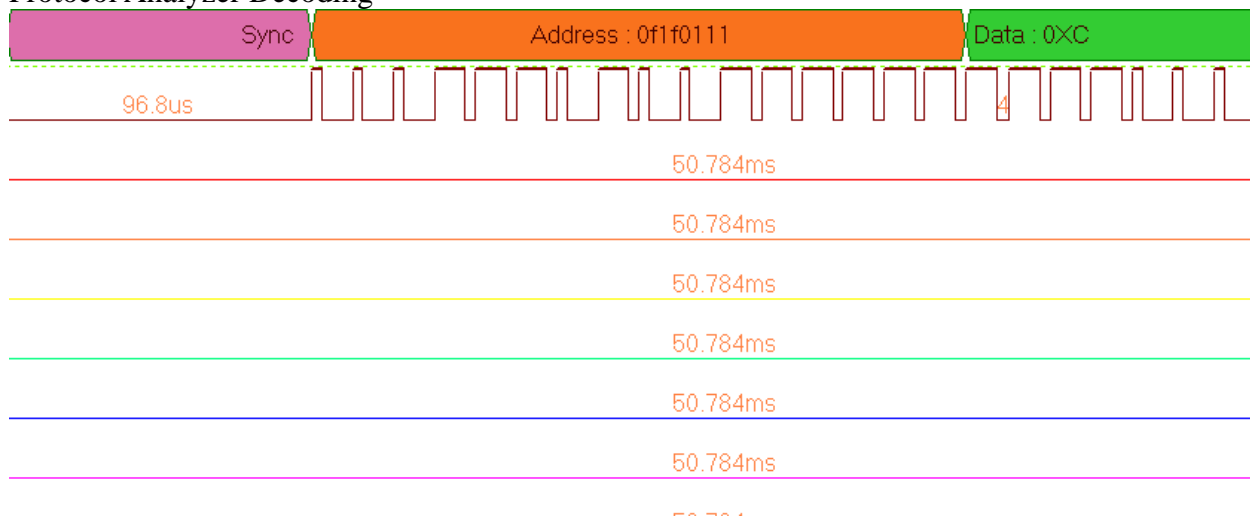


**STEP 11.** Please enter the Bus Name, select **Yes, please delete** or **No, please reserve** and then press **Finish**.



**STEP 12.** Following pictures show the completion of the protocol analyzer decoding and packet list. The Compression is activated. And the trigger condition is set as Either Edge, the memory depth is 2K; the sampling frequency is 32 KHz (the sampling frequency should be more than thirty-two times higher than the signal to be tested).

#### Protocol Analyzer Decoding





## Packet List

Navigator Packet List Statistics Memory Analyzer					
Setting...	Refresh	Export...	Synch. Parameter...		
Packet #	Name	TimeStamp	Sync	Address	Data
1	BUS(PT2262/PT2272)	0ms	Sync	0f1f0111	C
Packet #	Name	TimeStamp	Sync	Address	Data
2	BUS(PT2262/PT2272)	1.616ms	Sync	01100101	D
Packet #	Name	TimeStamp	Sync	Address	Data
3	BUS(PT2262/PT2272)	3.2312ms	Sync	01100101	D
Packet #	Name	TimeStamp	Sync	Address	Data
4	BUS(PT2262/PT2272)	4.8472ms	Sync	01100101	D
Packet #	Name	TimeStamp	Sync	Address	Data
5	BUS(PT2262/PT2272)	6.4624ms	Sync	11110101	0
Packet #	Name	TimeStamp	Sync	Address	Data
6	BUS(PT2262/PT2272)	14.6064ms	Sync	0f1f0111	C
Packet #	Name	TimeStamp	Sync	Address	Data
7	BUS(PT2262/PT2272)	16.2216ms	Sync	01100101	D