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

SPECIFICATION

MODEL: B08005 LAP-SM2.0-M

PART NO： _____

VERSION： V1.20

Approver		Check	Design
GM	PM		

Customer Confirm

＊Please fax the file to Zeroplus Technology after signing .

2F, NO.123, Jian Ba Rd,
Chung Ho City, Taipei Hsian, R.O.C.

Tel:+886-2-66202225
Fax:+886-2-22234362

中和市建八路 123 號 2F
電話：886-2-66202225
傳真：886-2-22234362
www.zeroplus.com.tw
2F., No.123,Jian Ba Rd,
Chung Ho City, Taipei Hsien, R.O.C.
Tel: 886-2-66202225
Fax: 886-2-22234362

Content

1 Software Installation 3
2 User Interface 7
3 Operating Instructions 10

Copyright © ZEROPLUS TECHNOLOGY CO., LTD. All rights reserved.

中和市建八路 123 號 2F
電話：886-2-66202225
傳真：886-2-22234362
www.zeroplus.com.tw
2F., No.123,Jian Ba Rd,
Chung Ho City, Taipei Hsien, R.O.C.
Tel: 886-2-66202225
Fax: 886-2-22234362

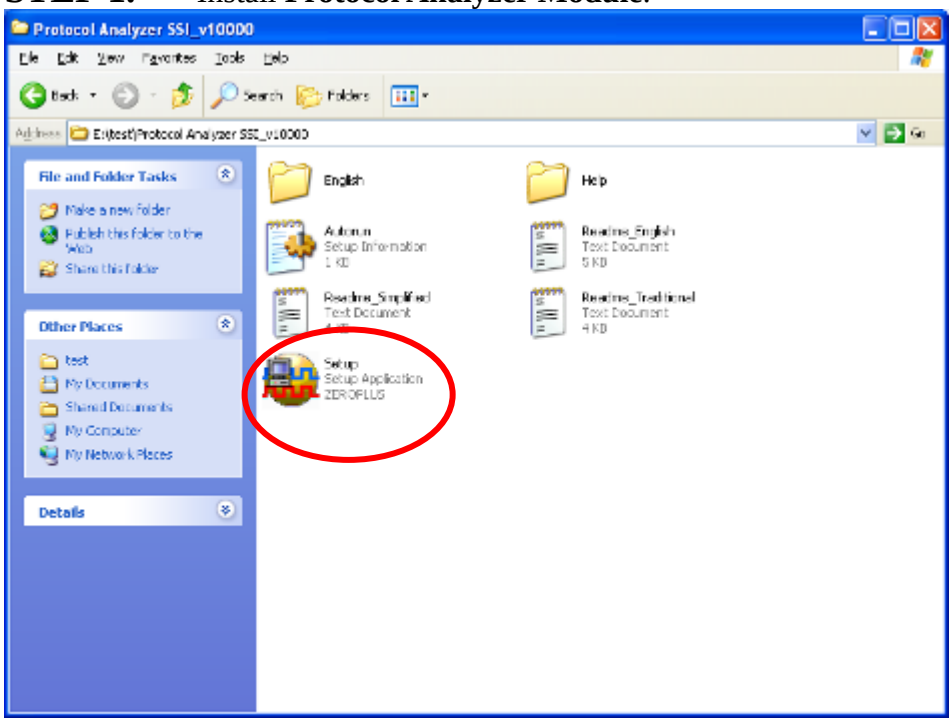
1 Software Installation

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. The following is an example 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**.

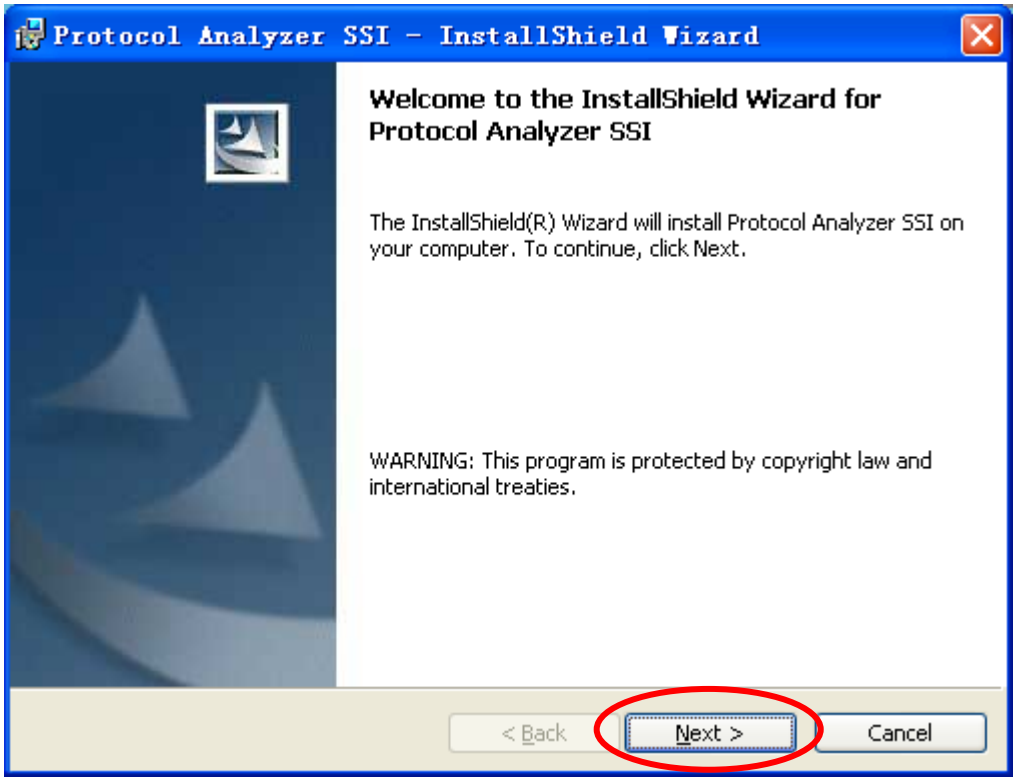


STEP 2. Click **Install**.

Copyright © ZEROPLUS TECHNOLOGY CO., LTD. All rights reserved.

中和市建八路 123 號 2F
電話：886-2-66202225
傳真：886-2-22234362
www.zeroplus.com.tw
2F., No.123,Jian Ba Rd,
Chung Ho City, Taipei Hsien, R.O.C.
Tel: 886-2-66202225
Fax: 886-2-22234362

STEP 3. Click **Next**.

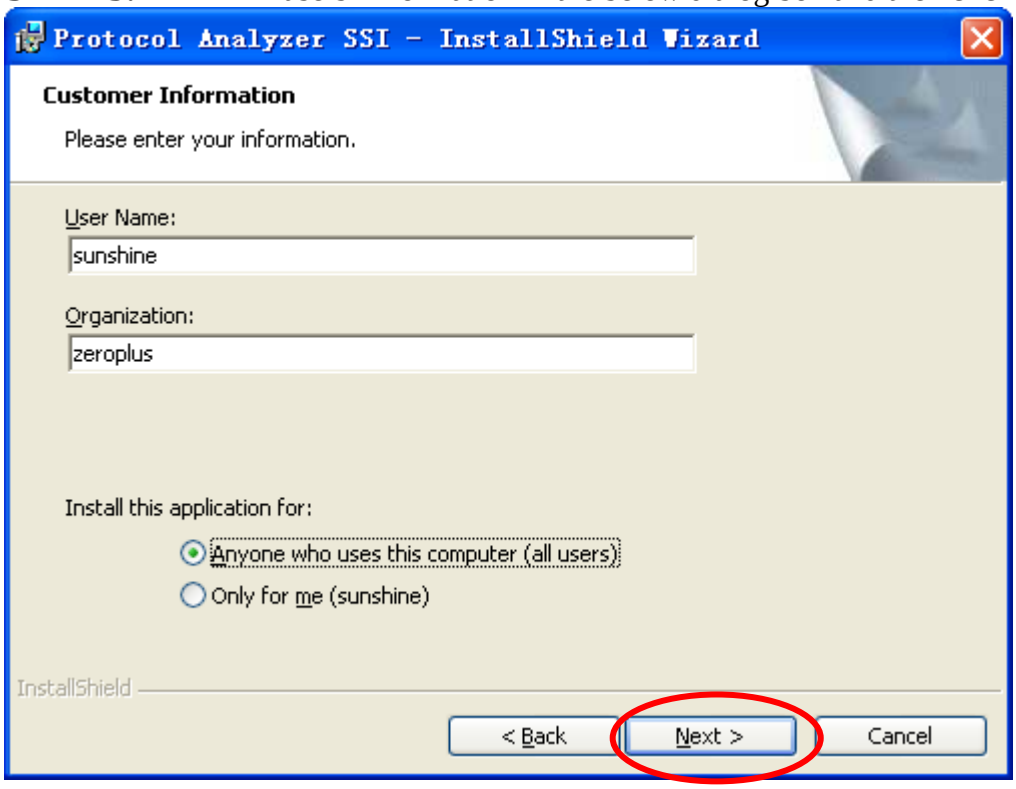


STEP 4. Select **I accept the terms in the license agreement** option, and then press **Next**.

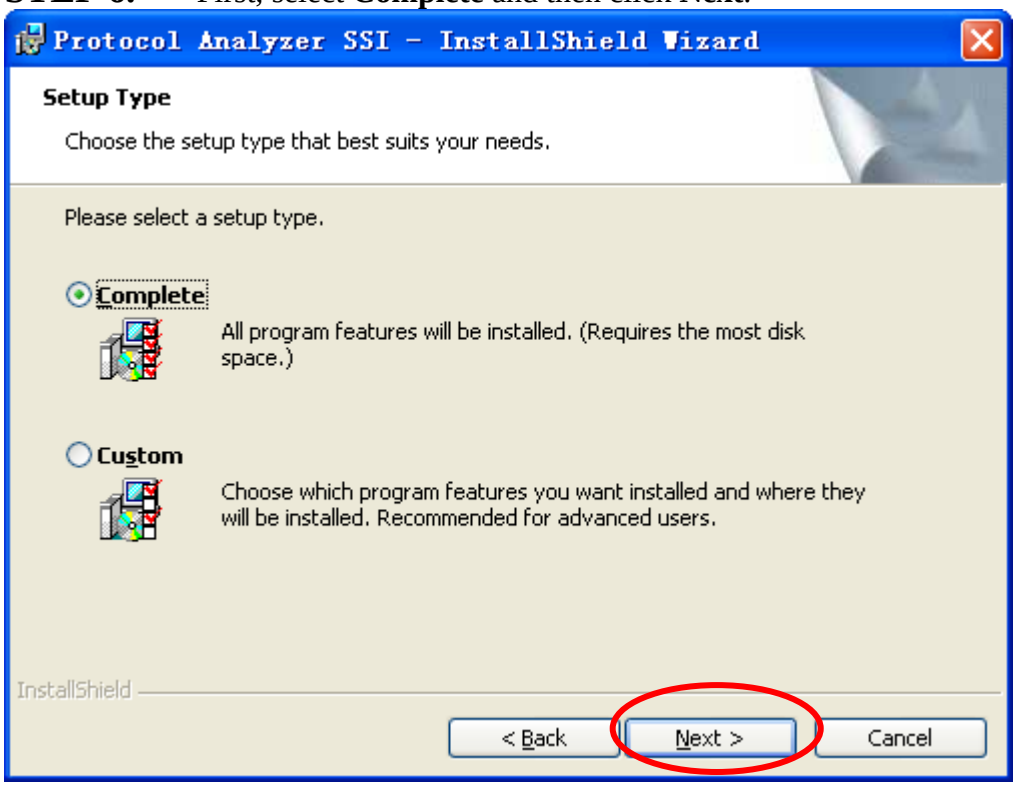
Copyright © ZEROPLUS TECHNOLOGY CO., LTD. All rights reserved.

中和市建八路 123 號 2F
電話：886-2-66202225
傳真：886-2-22234362
www.zeroplus.com.tw
2F., No.123,Jian Ba Rd,
Chung Ho City, Taipei Hsien, R.O.C.
Tel: 886-2-66202225
Fax: 886-2-22234362

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



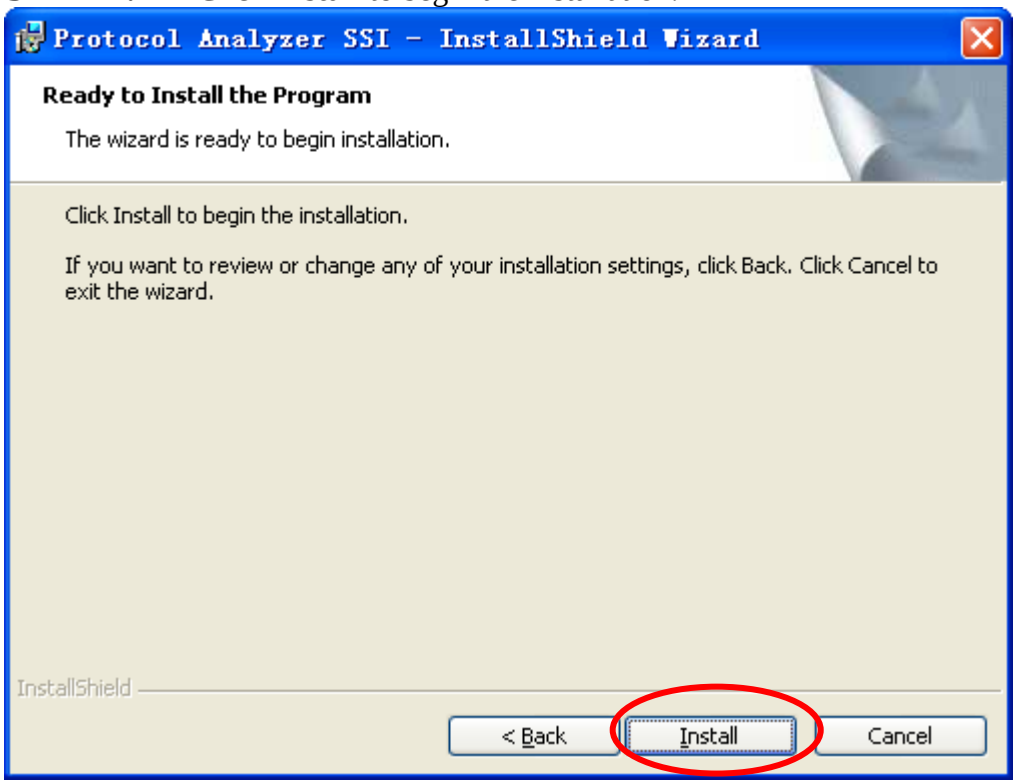
STEP 6. First, select **Complete** and then click **Next**.



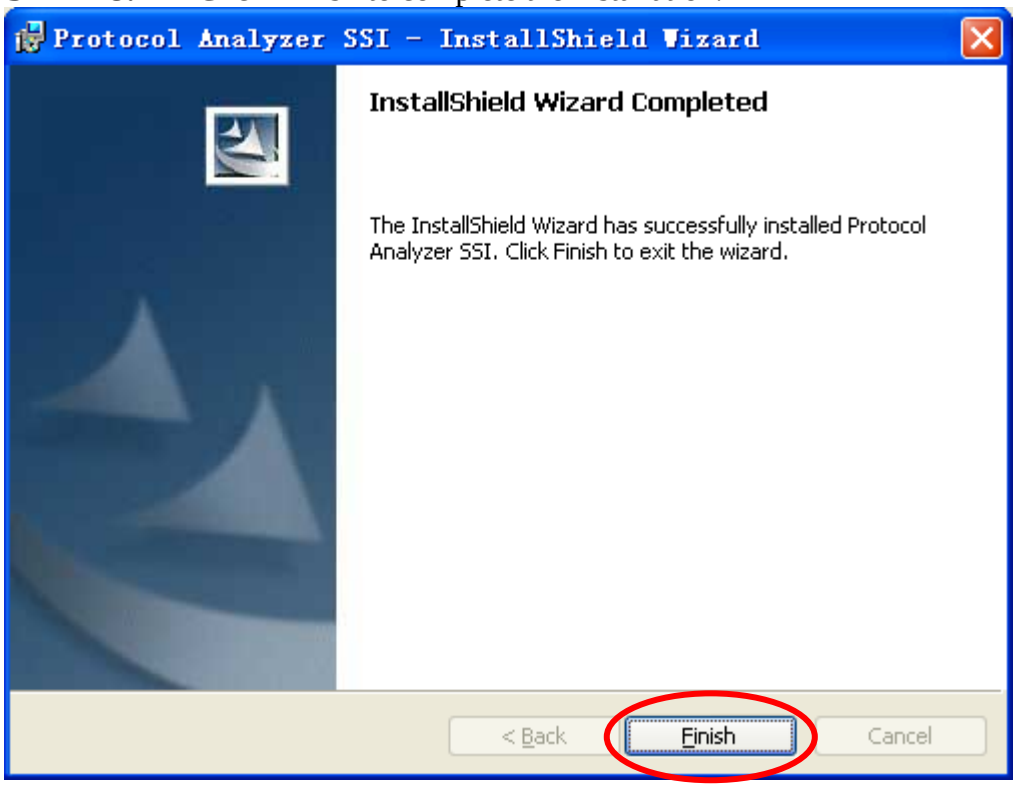
Copyright © ZEROPLUS TECHNOLOGY CO., LTD. All rights reserved.

中和市建八路 123 號 2F
電話：886-2-66202225
傳真：886-2-22234362
www.zeroplus.com.tw
2F., No.123,Jian Ba Rd,
Chung Ho City, Taipei Hsien, R.O.C.
Tel: 886-2-66202225
Fax: 886-2-22234362

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



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



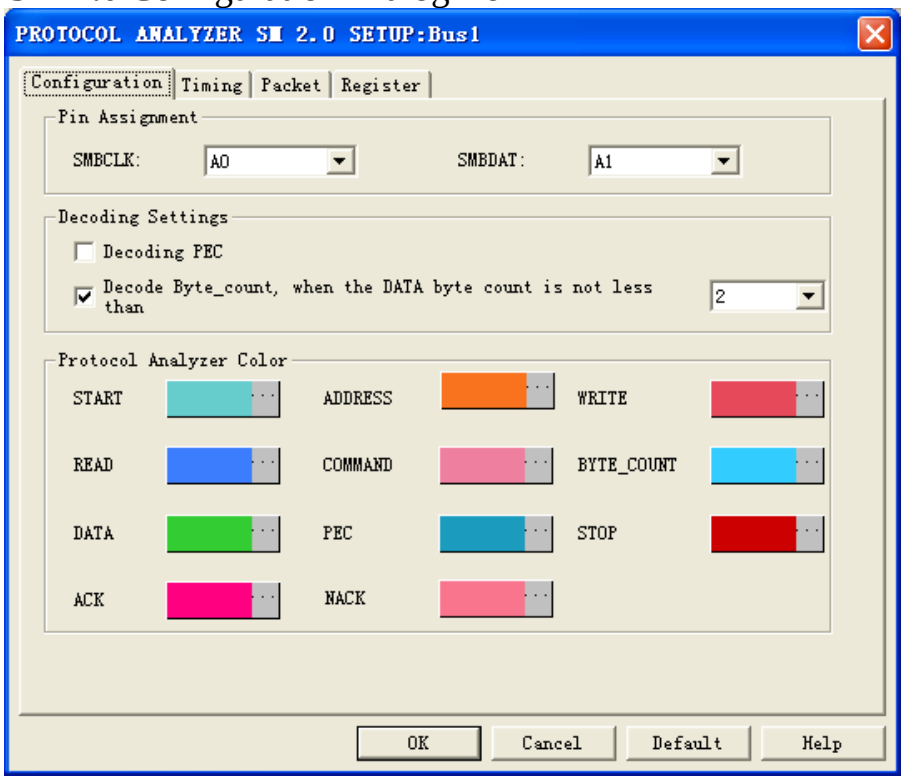
Copyright © ZEROPLUS TECHNOLOGY CO., LTD. All rights reserved.

中和市建八路 123 號 2F
電話：886-2-66202225
傳真：886-2-22234362
www.zeroplus.com.tw
2F., No.123,Jian Ba Rd,
Chung Ho City, Taipei Hsien, R.O.C.
Tel: 886-2-66202225
Fax: 886-2-22234362

2 User Interface

In the configuration dialog box, please refer to the below images to select options of setting **SM 2.0 MODULE**.

SM 2.0 Configuration Dialog Box



Pin Assignment:

Set the corresponding signal lines: the default of SMBCLK is A0; the default of SMBDAT is A1.

Decoding Settings:

Set the special decoding way, such as Decoding PEC or judging BLACK when decoding PEC, and you can set the necessary Byte_count.

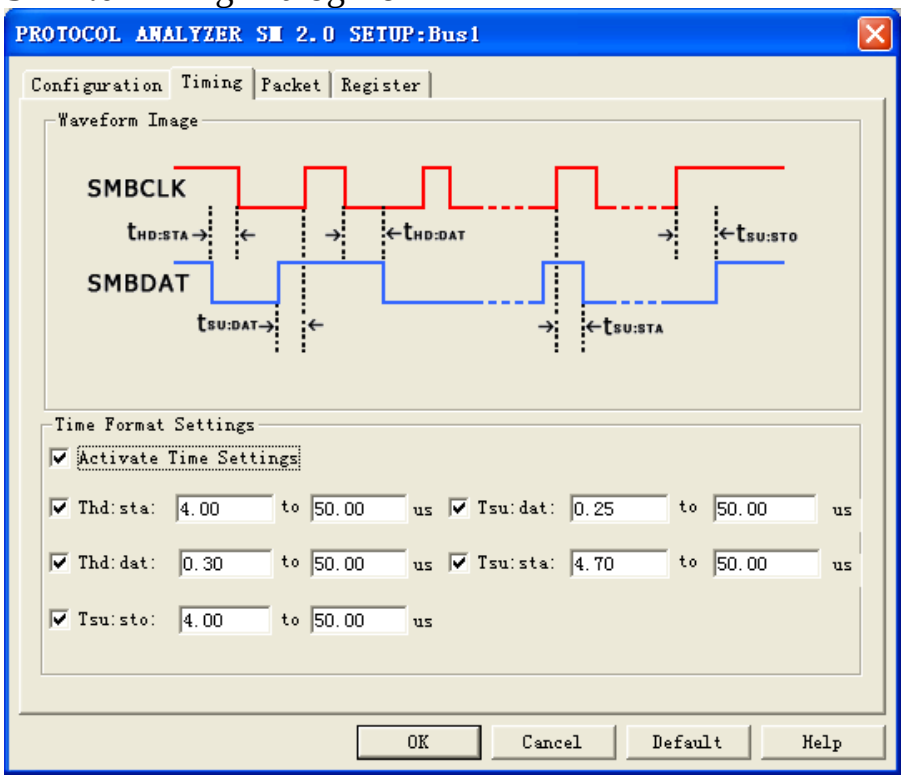
Protocol Analyzer Color:

The protocol analyzer colors can be varied by users.

Copyright © ZEROPLUS TECHNOLOGY CO., LTD. All rights reserved.

中和市建八路 123 號 2F
電話：886-2-66202225
傳真：886-2-22234362
www.zeroplus.com.tw
2F., No.123,Jian Ba Rd,
Chung Ho City, Taipei Hsien, R.O.C.
Tel: 886-2-66202225
Fax: 886-2-22234362

SM 2.0 Timing Dialog Box



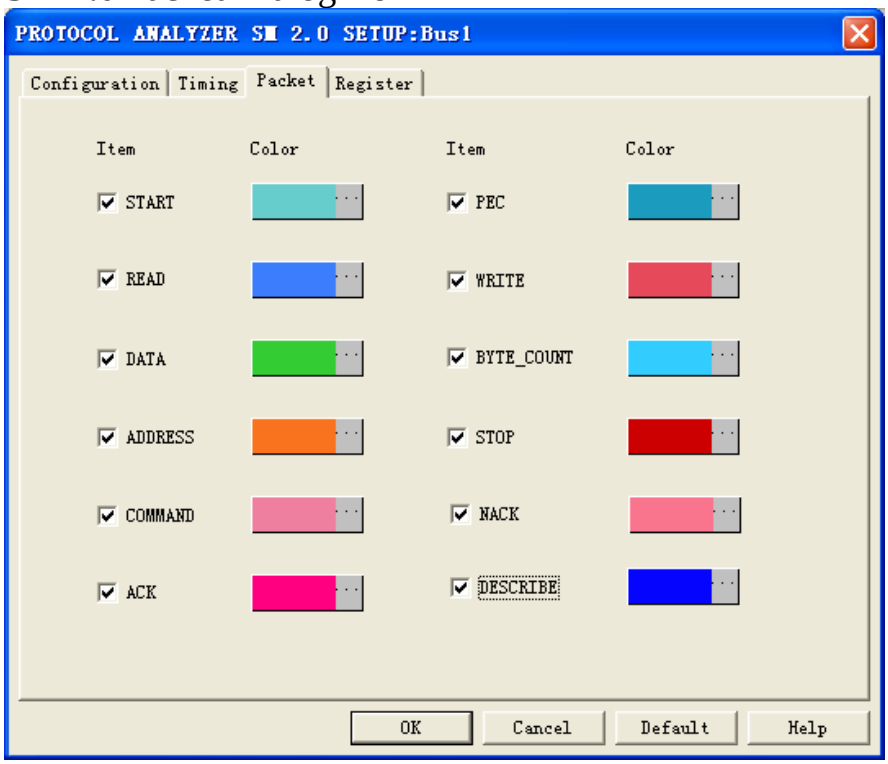
Waveform Image:
Describe the position of the set time.

Time Format Settings:
It can set the time after activating time settings. The set time can be taken as the condition of judging decoding. For example, decoding START, firstly judge whether the condition of START is coincident or not, then judge whether the set time of Thd: sta coincides with the factual waveform. It can start decoding START when both of the two conditions are coincident. The other packet segments are the same with the above theory.

Copyright © ZEROPLUS TECHNOLOGY CO., LTD. All rights reserved.

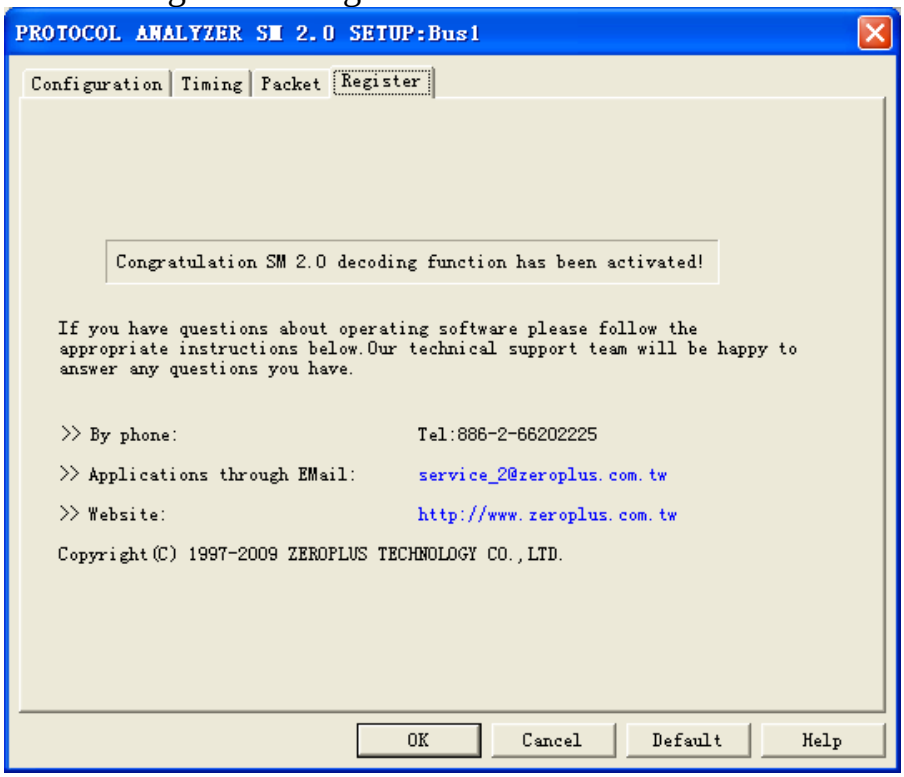
中和市建八路 123 號 2F
電話：886-2-66202225
傳真：886-2-22234362
www.zeroplus.com.tw
2F., No.123,Jian Ba Rd,
Chung Ho City, Taipei Hsien, R.O.C.
Tel: 886-2-66202225
Fax: 886-2-22234362

SM 2.0 Packet Dialog Box



In the packet part, users can select the items and colors configuration according to users' requirements. You can also select whether to display them on the packet list or not.

SM 2.0 Register Dialog Box



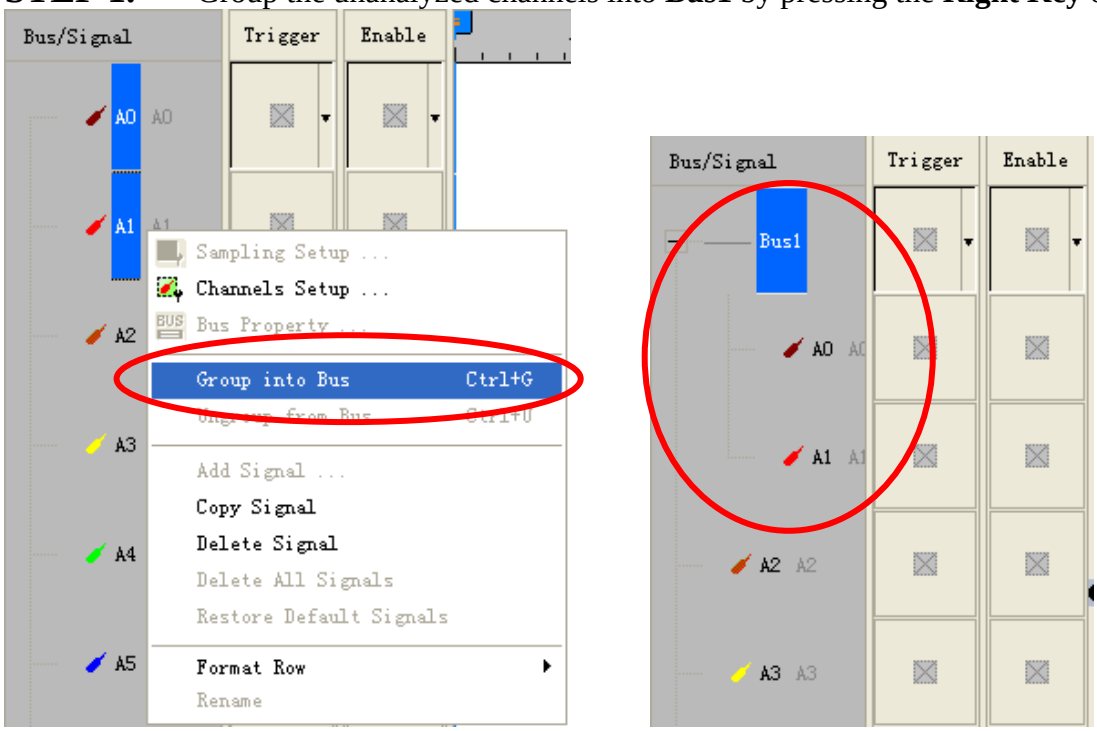
There is written Zeroplus company information. If you have any questions about software operations, you can contact Zeroplus by Telephone or Email.

Copyright © ZEROPLUS TECHNOLOGY CO., LTD. All rights reserved.

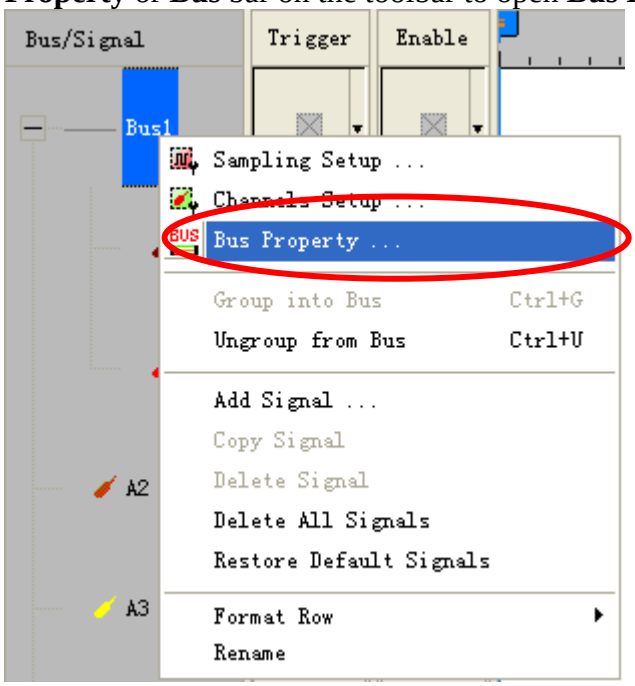
中和市建八路 123 號 2F
電話：886-2-66202225
傳真：886-2-22234362
www.zeroplus.com.tw
2F., No.123,Jian Ba Rd,
Chung Ho City, Taipei Hsien, R.O.C.
Tel: 886-2-66202225
Fax: 886-2-22234362

3 Operating Instructions

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



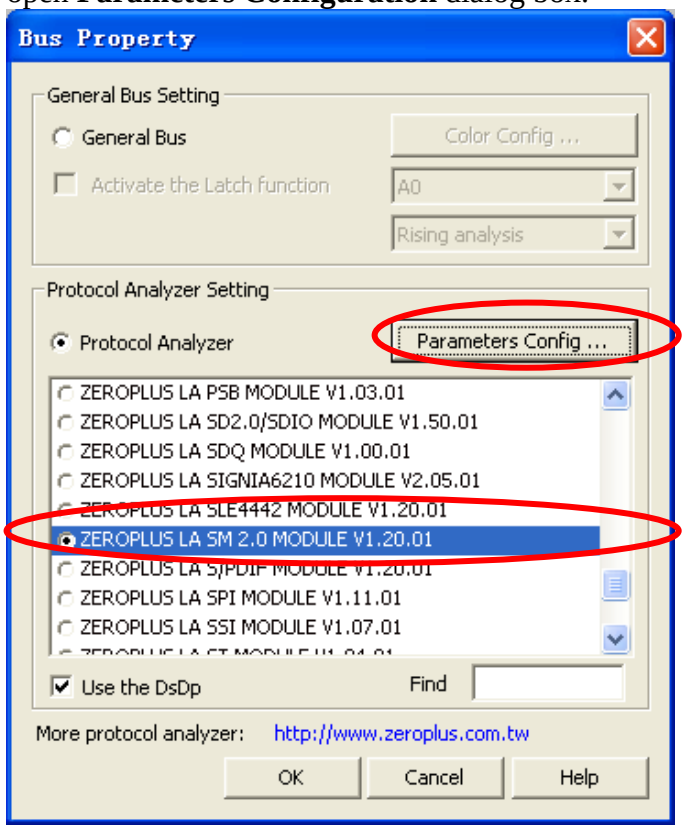
STEP 2. Select **Bus1**, then press **Right Key** on the mouse to list the menu, then press **Bus Property** or **Bus** bar on the toolbar to open **Bus Property** dialog box.



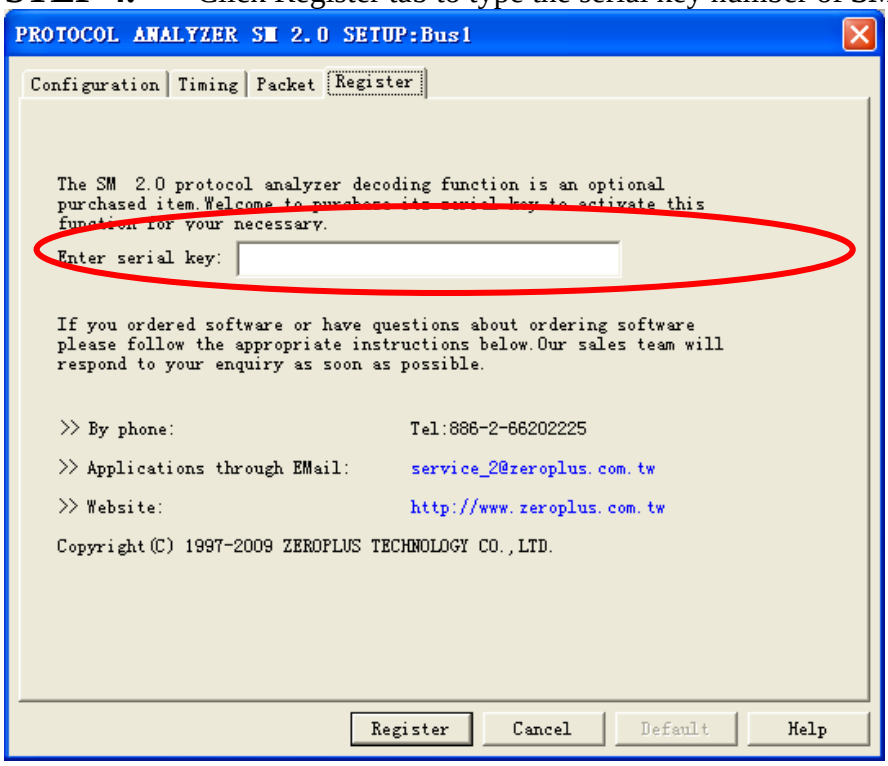
Copyright © ZEROPLUS TECHNOLOGY CO., LTD. All rights reserved.

中和市建八路 123 號 2F
電話：886-2-66202225
傳真：886-2-22234362
www.zeroplus.com.tw
2F., No.123,Jian Ba Rd,
Chung Ho City, Taipei Hsien, R.O.C.
Tel: 886-2-66202225
Fax: 886-2-22234362

STEP 3. For Protocol Analyzer SM 2.0 Parameters Configuration, select Protocol Analyzer, and then select **ZEROPLUS LA SM 2.0 MODULE V1.20.01.** Next click **Parameters Configuration** to open **Parameters Configuration** dialog box.



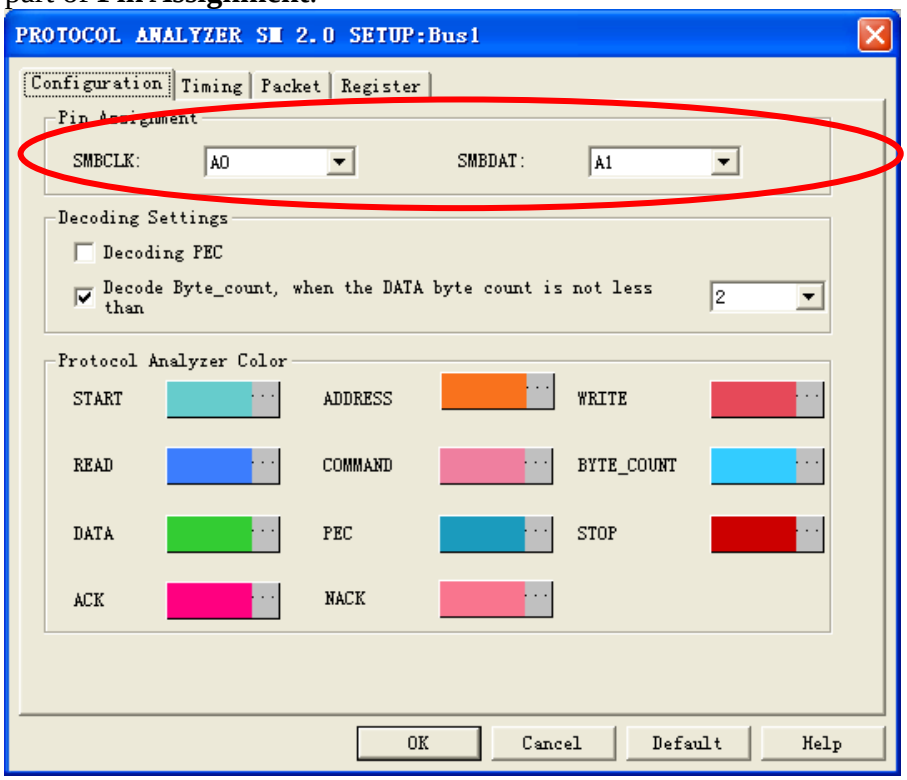
STEP 4. Click Register tab to type the serial key number of **SM 2.0**. Then, press **Register.**



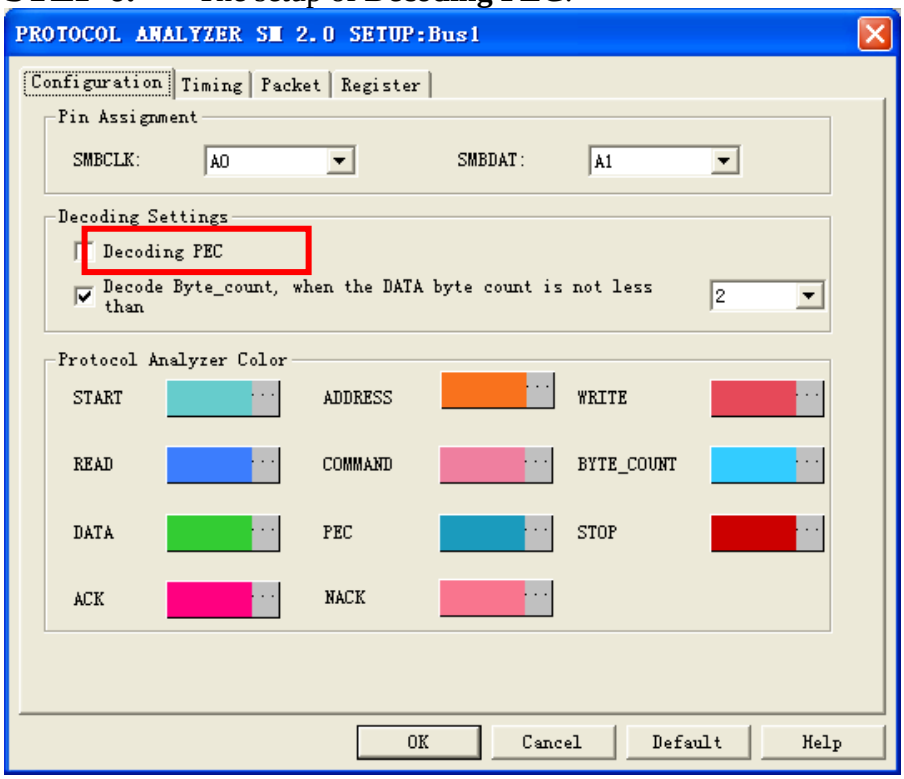
Copyright © ZEROPLUS TECHNOLOGY CO., LTD. All rights reserved.

中和市建八路 123 號 2F
電話：886-2-66202225
傳真：886-2-22234362
www.zeroplus.com.tw
2F., No.123,Jian Ba Rd,
Chung Ho City, Taipei Hsien, R.O.C.
Tel: 886-2-66202225
Fax: 886-2-22234362

STEP 5. Open the configuration dialog box; select the corresponding SM 2.0 signal lines in the part of **Pin Assignment**.



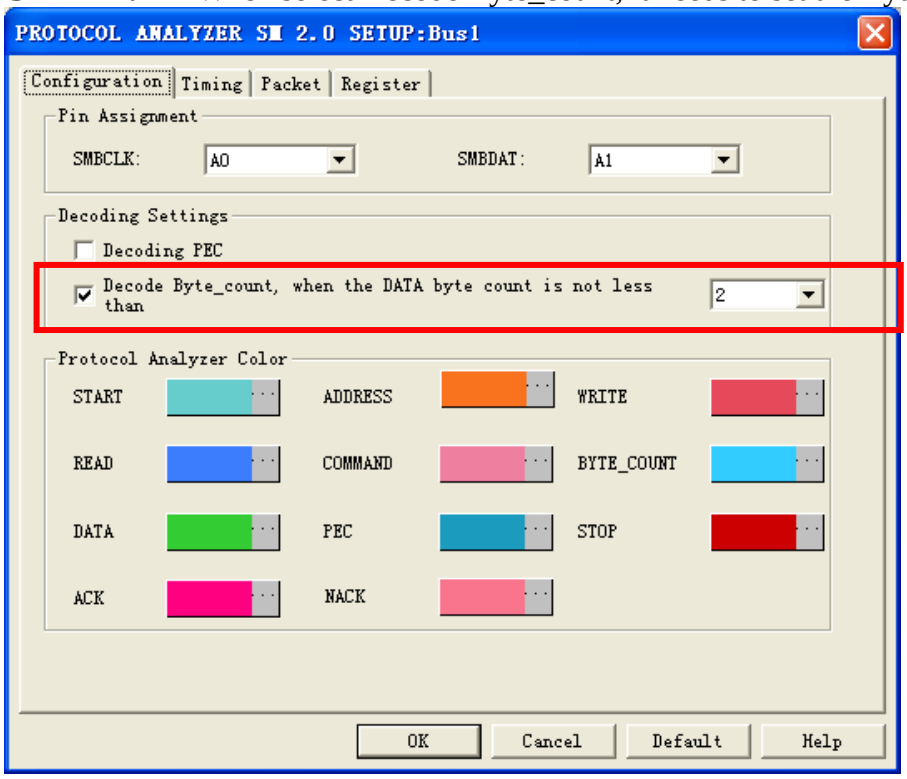
STEP 6. The setup of **Decoding PEC**.



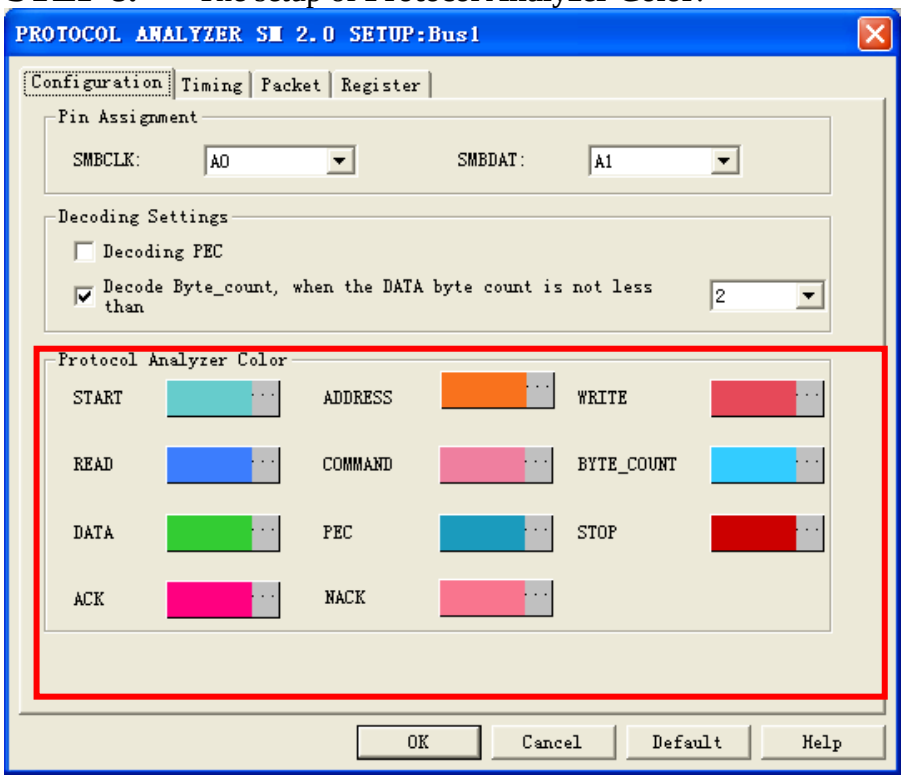
Copyright © ZEROPLUS TECHNOLOGY CO., LTD. All rights reserved.

中和市建八路 123 號 2F
電話：886-2-66202225
傳真：886-2-22234362
www.zeroplus.com.tw
2F., No.123,Jian Ba Rd,
Chung Ho City, Taipei Hsien, R.O.C.
Tel: 886-2-66202225
Fax: 886-2-22234362

STEP 7. When select Decode Byte_count, it needs to set the Byte_count of DATA firstly.



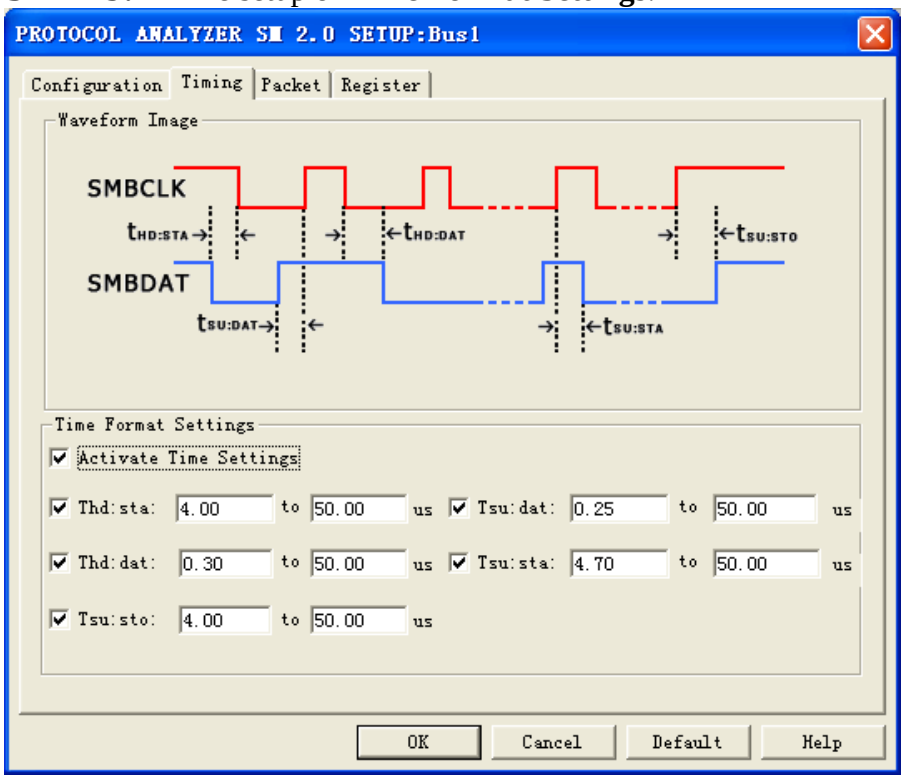
STEP 8. The setup of **Protocol Analyzer Color**.



Copyright © ZEROPLUS TECHNOLOGY CO., LTD. All rights reserved.

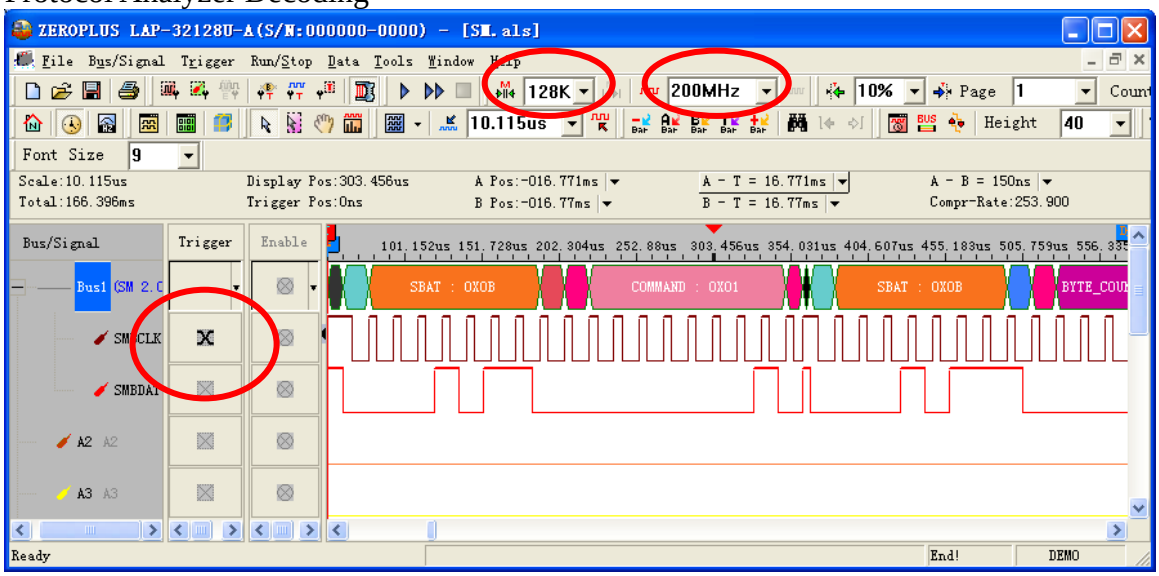
中和市建八路 123 號 2F
電話：886-2-66202225
傳真：886-2-22234362
www.zeroplus.com.tw
2F., No.123,Jian Ba Rd,
Chung Ho City, Taipei Hsien, R.O.C.
Tel: 886-2-66202225
Fax: 886-2-22234362

STEP 9. The setup of **Time Format Settings**.



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 200MHZ.

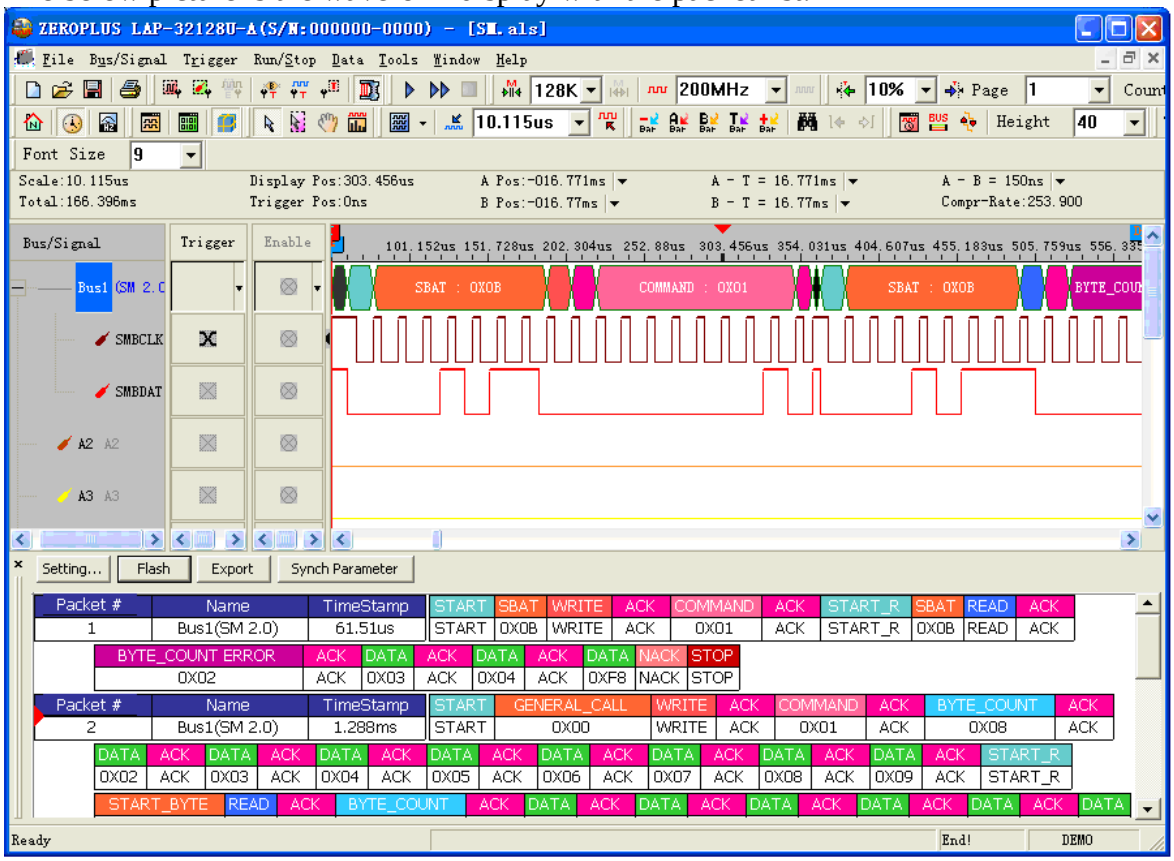
Protocol Analyzer Decoding



Copyright © ZEROPLUS TECHNOLOGY CO., LTD. All rights reserved.

中和市建八路 123 號 2F
電話：886-2-66202225
傳真：886-2-22234362
www.zeroplus.com.tw
2F., No.123,Jian Ba Rd,
Chung Ho City, Taipei Hsien, R.O.C.
Tel: 886-2-66202225
Fax: 886-2-22234362

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



Copyright © ZEROPLUS TECHNOLOGY CO., LTD. All rights reserved.