Packing List

In addition to this guide, the package includes the following items：

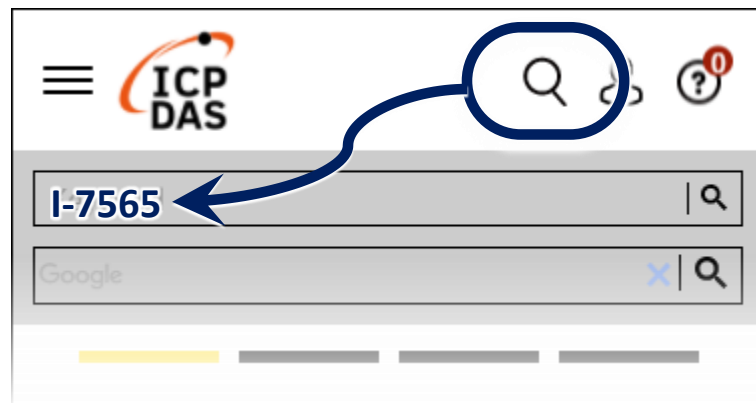| I-7565 | CA-USB18 | Plastic Rail |

Resources

Technical Support

service@icpdas.com

www.icpdas.com

How to search for drivers, manuals and spec information on ICP DAS website.

• For Mobile Web

• For Desktop Web

1 **Hardware Configuration**

1.1 Terminator resistor

According to the ISO 11898 specifications, the ISO 11898-2 CAN Bus network must be terminated by two terminator resistors (120Ω) for proper operation. If there are not only two terminator resistors or only have one terminator resistor on the CAN bus, the CAN network may be malfunction.

If users would like to enable or disable the terminator resistor inside the I-7565, it is necessary to open the cover of the I-7565 and use jumper to do that. Here are the descriptions of how to enable or disable the terminator resistor of the I-7565.

Status	JP4 position
Enable (default) (Activate)	JP4
Disable (Deactivate)	JP4
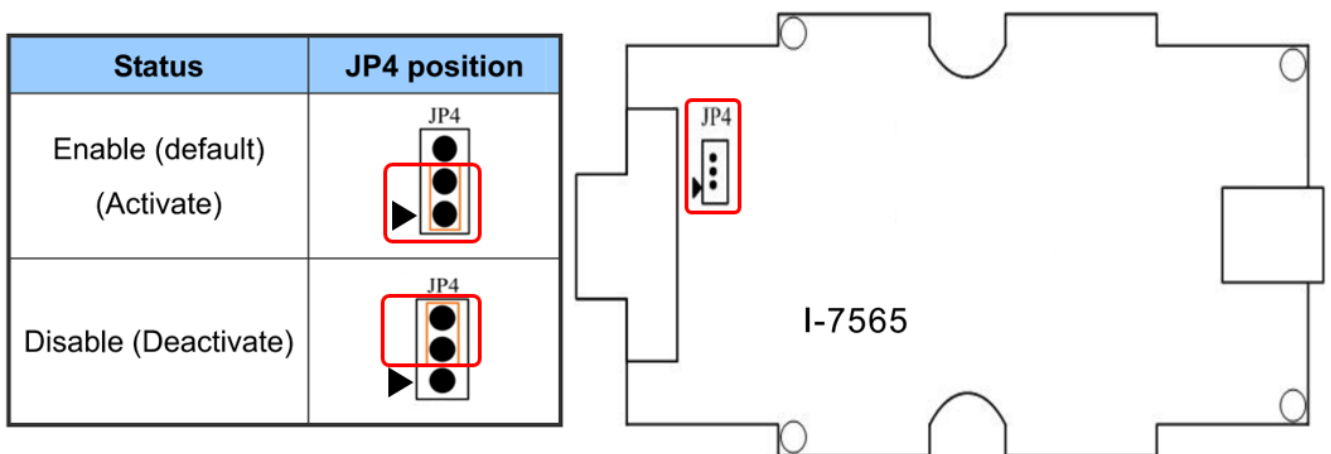
I-7565

1.2 CAN bus connection

The CAN port of I-7565 uses the D-sub 9 pins male connector. The wire connections are as follows.

9-pin D-Sub male connector

CAN_L   CAN_H   CAN_GND
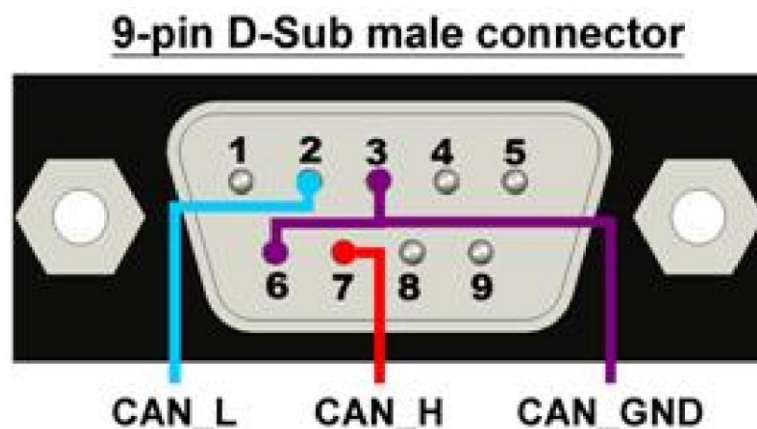
2 Set Parameters of I-7565

2.1 As the following figure, set the Init / Normal switch on the back of the I-7565 to the "Init" position. Then, connect the available USB port of the PC to the I-7565. The ON LED of the I-7565 will be flash once per second. That means that the I-7565 is in the configuration mode.
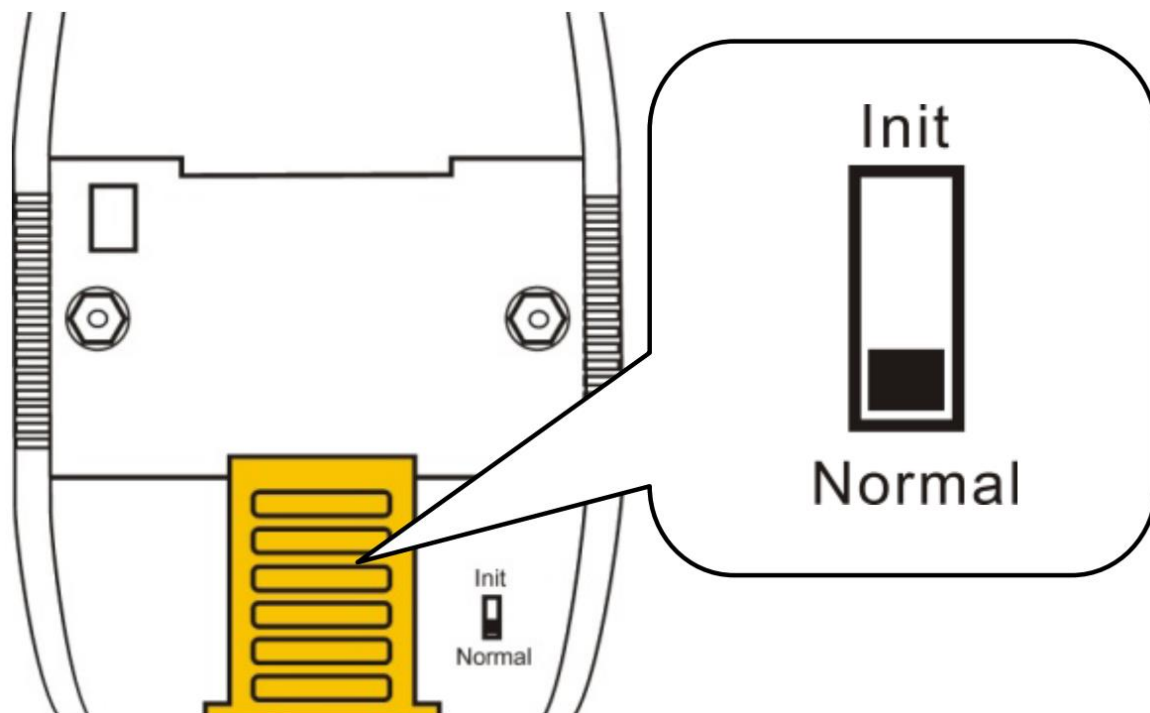

2.2 Connect the available USB port of the PC to the I-7565, and execute the VxCAN Utility. VxCAN Utility can be downloaded from the following link :
https://www.icpdas.com/en/product/guide+Software+Utility_Driver+VxCAN__Utility

※Note：User must install the driver in the PC in advance to use the I-7565. About the details of the I-7565 driver installation, please refer to Appendix B of the User Manual.
https://www.icpdas.com/web/product/download/industrial_communication/can_bus/converter/document/manual/CAN_Converter_usermanual_en.pdf
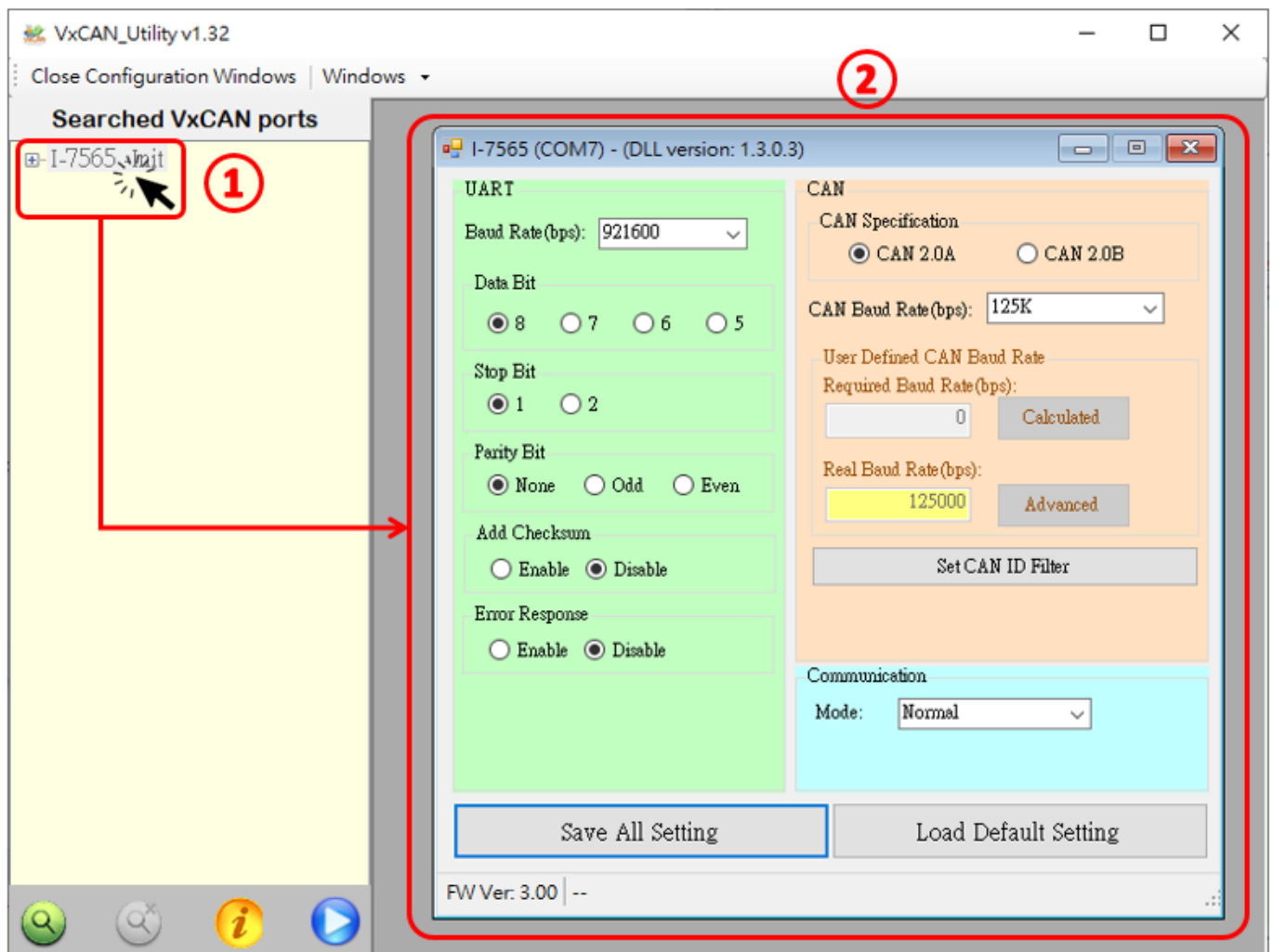
2.3 Click the search button and the search window will be popped up. Select the COM Port connected to the I-7565, then click the "Search CAN Products" button.
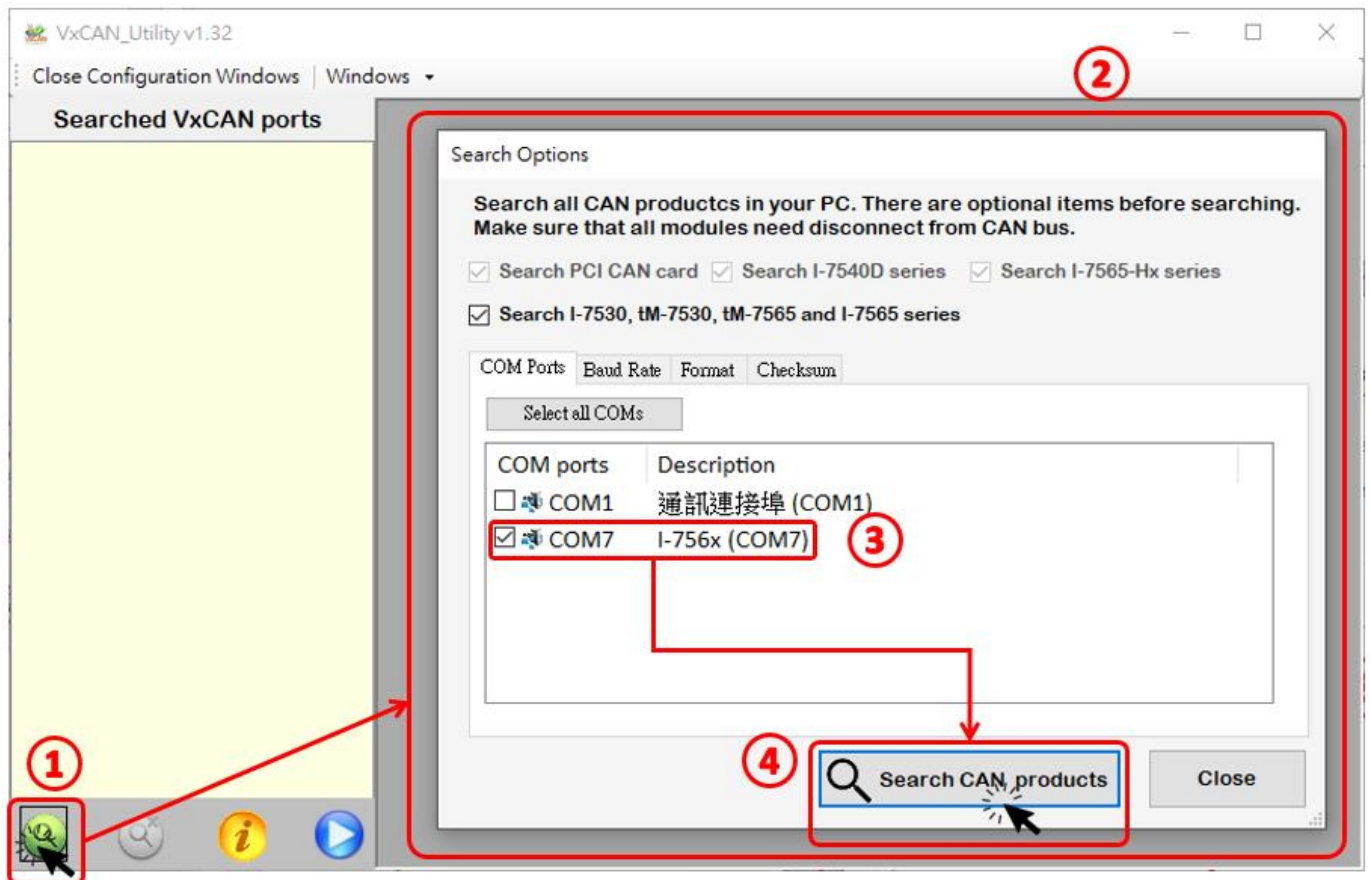
2.4 After searching done, the I-7565 will be list in the left window of VxCAN Utility.
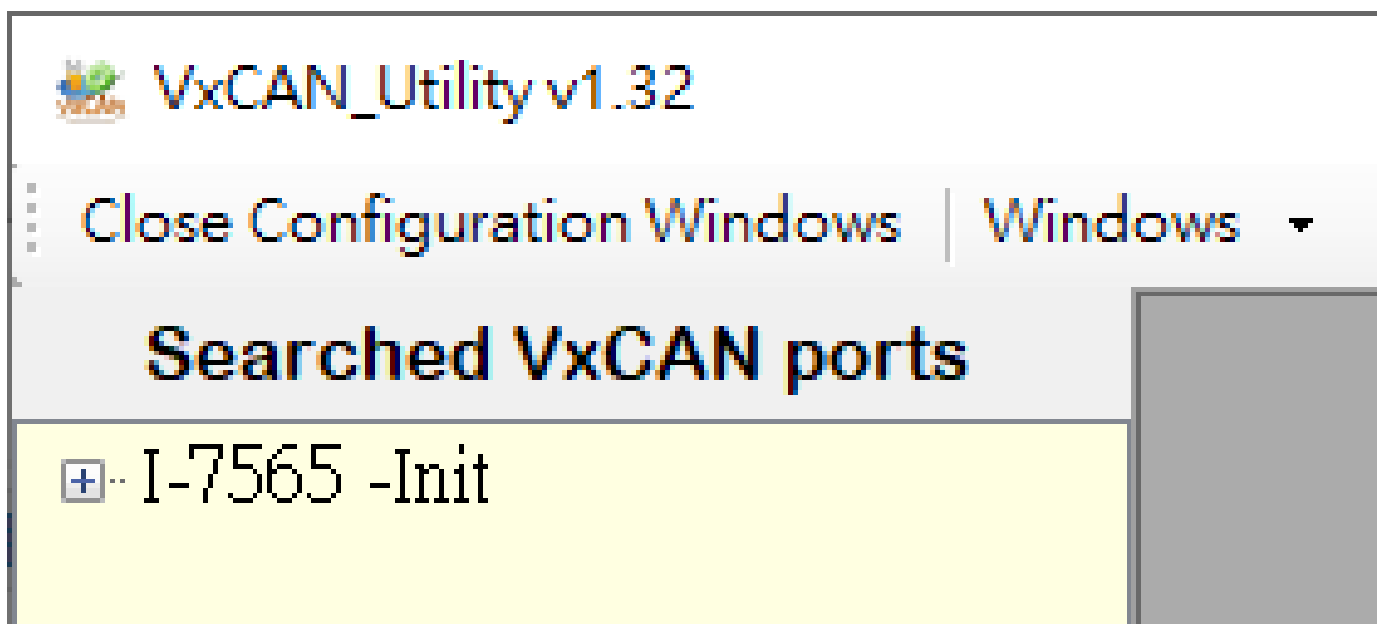
2.5 Click the "I-7565 -Init" in the list, the configuration window will be popped up.

The configuration window is divided to three areas with different color. They are UART, CAN, and Communication mode configuration area. Each area can set different parameters of I-7565.

After finishing the configuration, users can click the button "Save All Setting" to save the configuration in to the I-7565. If users would like to recover the parameters to the factory default, click "Load Default Setting" button to recover all of the configuration parameters to be default value. Then, users can click the button "Save All Settings" to save the default parameters in to the I-7565.

The default values of the parameters of the I-7565 are shown below.

| UART	
Baud rate	921600 bps
Data Bit	8
Stop Bit	1
Parity	None
Add Checksum	No
Error Response	No

CAN	
CAN Specification	2.0A
CAN Bus Baud rate	125K
CAN ID Filter Acceptance Code	000
CAN ID Filter Acceptance Mask	000

| Communication Mode	
Communication Mode	Normal

3 I-7565 Communication Test

3.1 Please refer to step 2.1, set the Init / Normal switch on the back of the I-7565 to the "Normal" position. Then, connect the available USB port of the PC to the I-7565. The ON LED of the I-7565 will be turned on continuously. That means that the I-7565 is boot and be in the Run mode.

3.2 Please refer to steps 2.2 and 2.3, connect the USB port of PC to the I-7565, and execute VxCAN Utility to search for the I-7565 module. After searching done, the I-7565 will be list in the left window of VxCAN Utility.
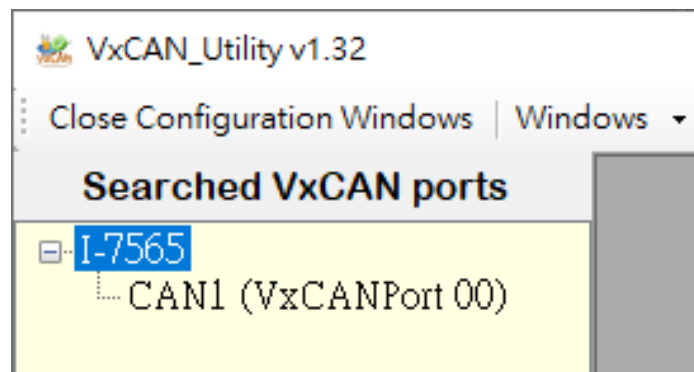

3.3 Click the CAN port of the I-7565 to set the CAN parameters of the I-7565.
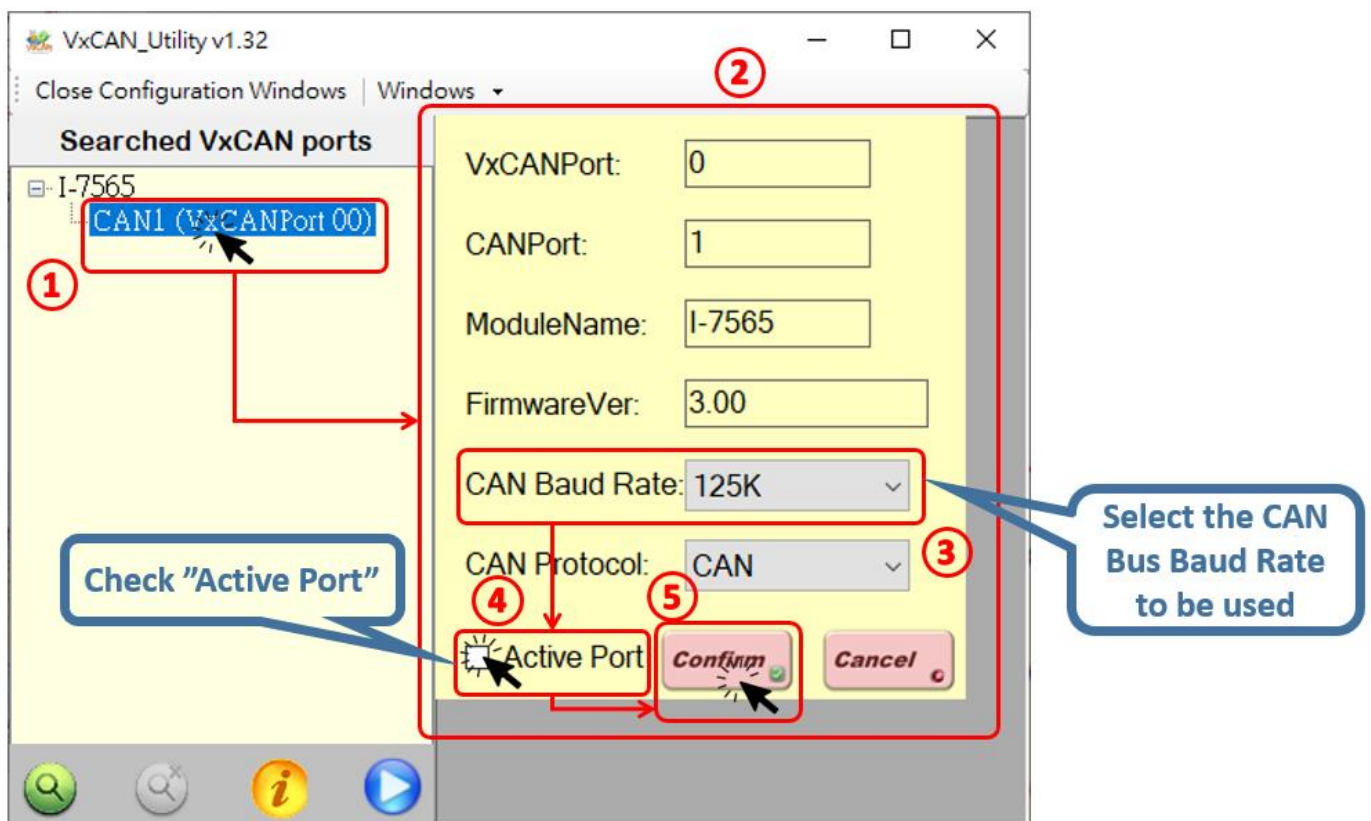
Check the "Active Port" and Click "Confirm" button to enable the CAN port of the I-7565. The CAN parameters set here will not be stored in to the I-7565. If users would like to configure the other parameters, please refer to Chapter 2 "Set Parameters of I-7565", and setting in the configuration mode of I-7565.

3.4 Click the "Run the CAN Port" button and the operation window will be popped up.
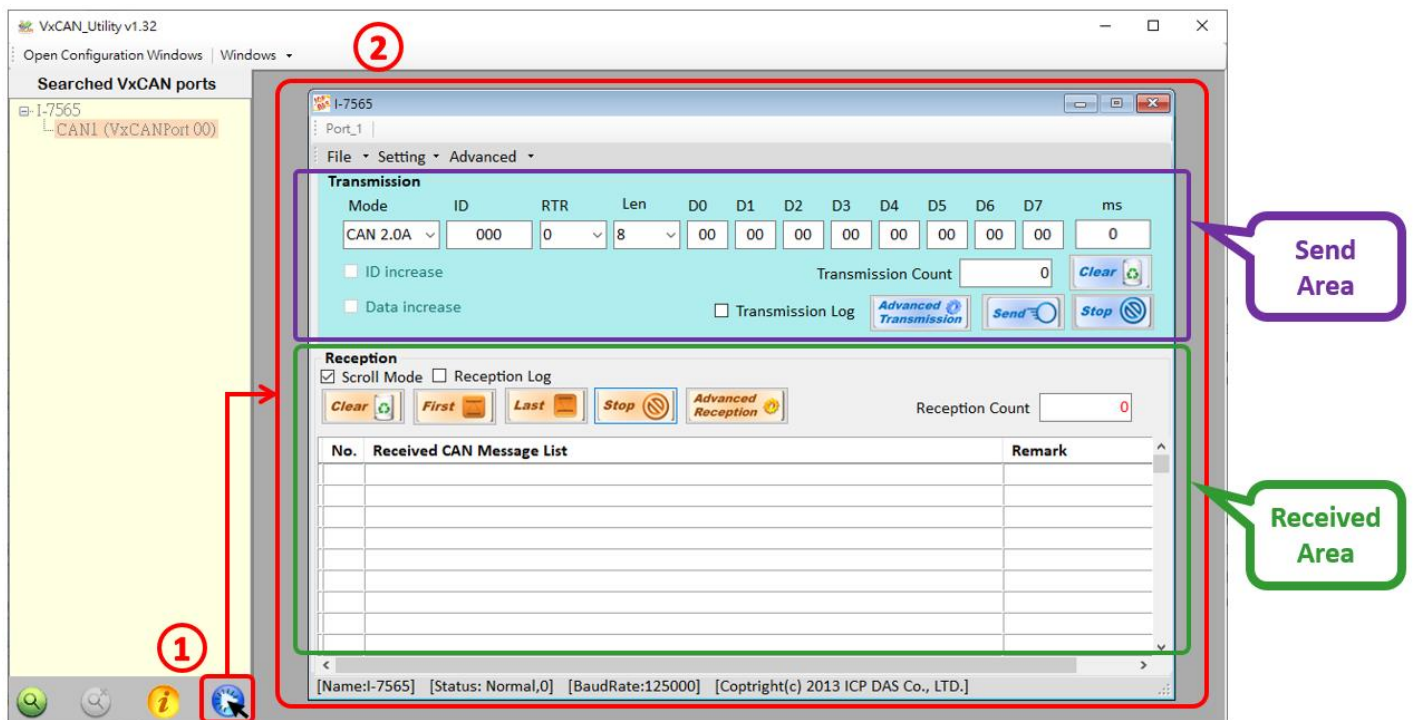
The operation window is divided to two areas. One is for sending CAN messages, and the other is for reception. If users want to send CAN message, fill the data into the corresponding field, and click "Send" button ![Send]. If the I-7565 gets any CAN messages, they will be shown in received area automatically.

About the details for the VxCAN Utility operation, please refer to the Users' manual of the VxCAN Utility in the following link:
https://www.icpdas.com/web/product/download/software/utility_driver/vxcan/document/manual/VxCAN_Utility_Manual_en.pdf