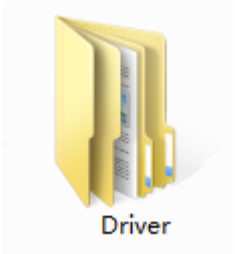
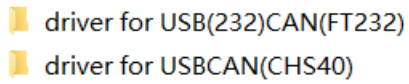
USB-CAN User Manual

1.Install the driver

In the data to see the following folder

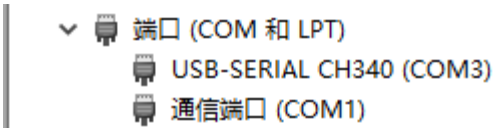


Double-click, according to your specific system to install the driver

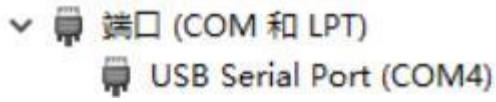


2.The USB - CAN insert computer

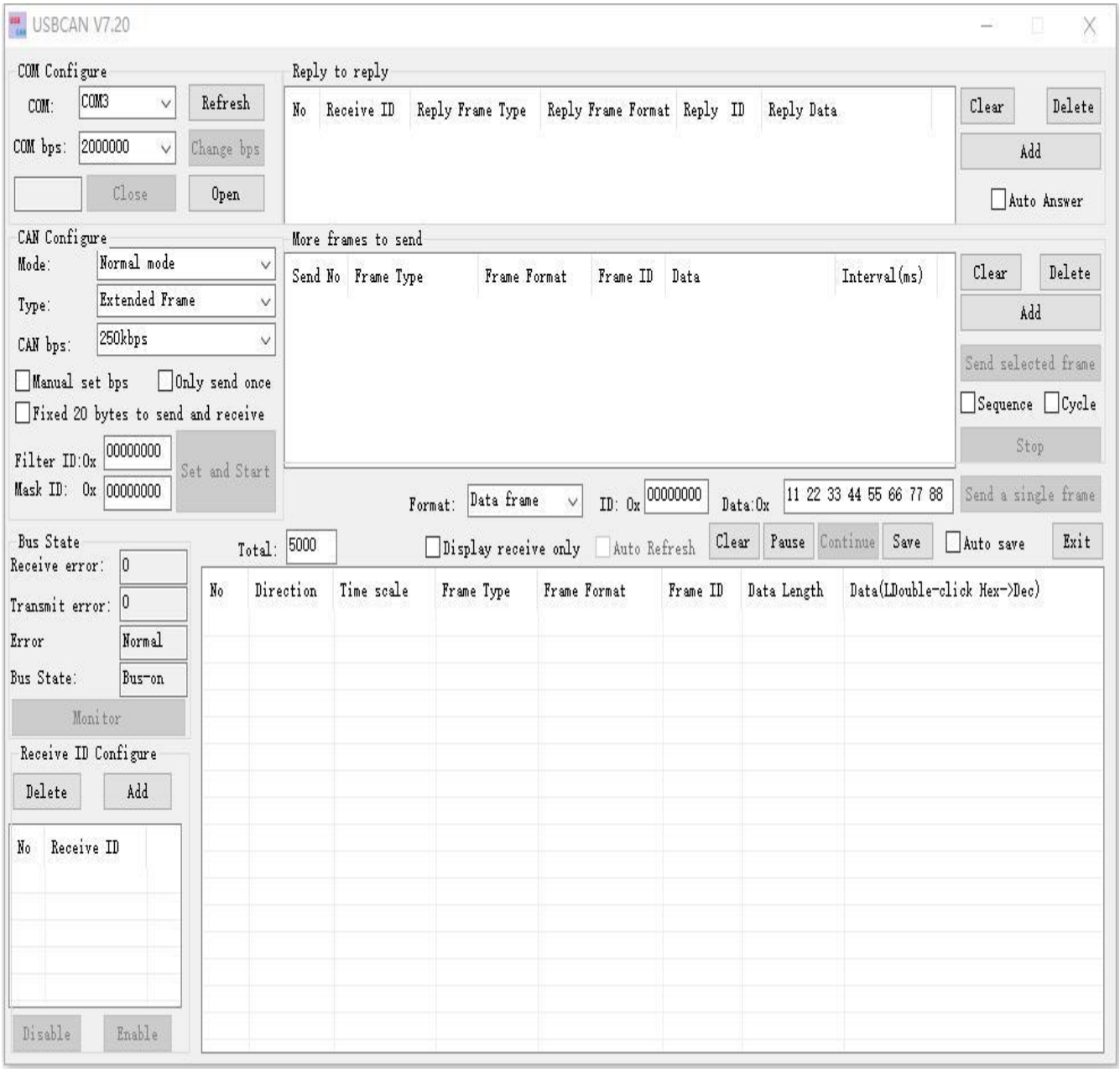
From the device manager see USB - CAN virtual COM port



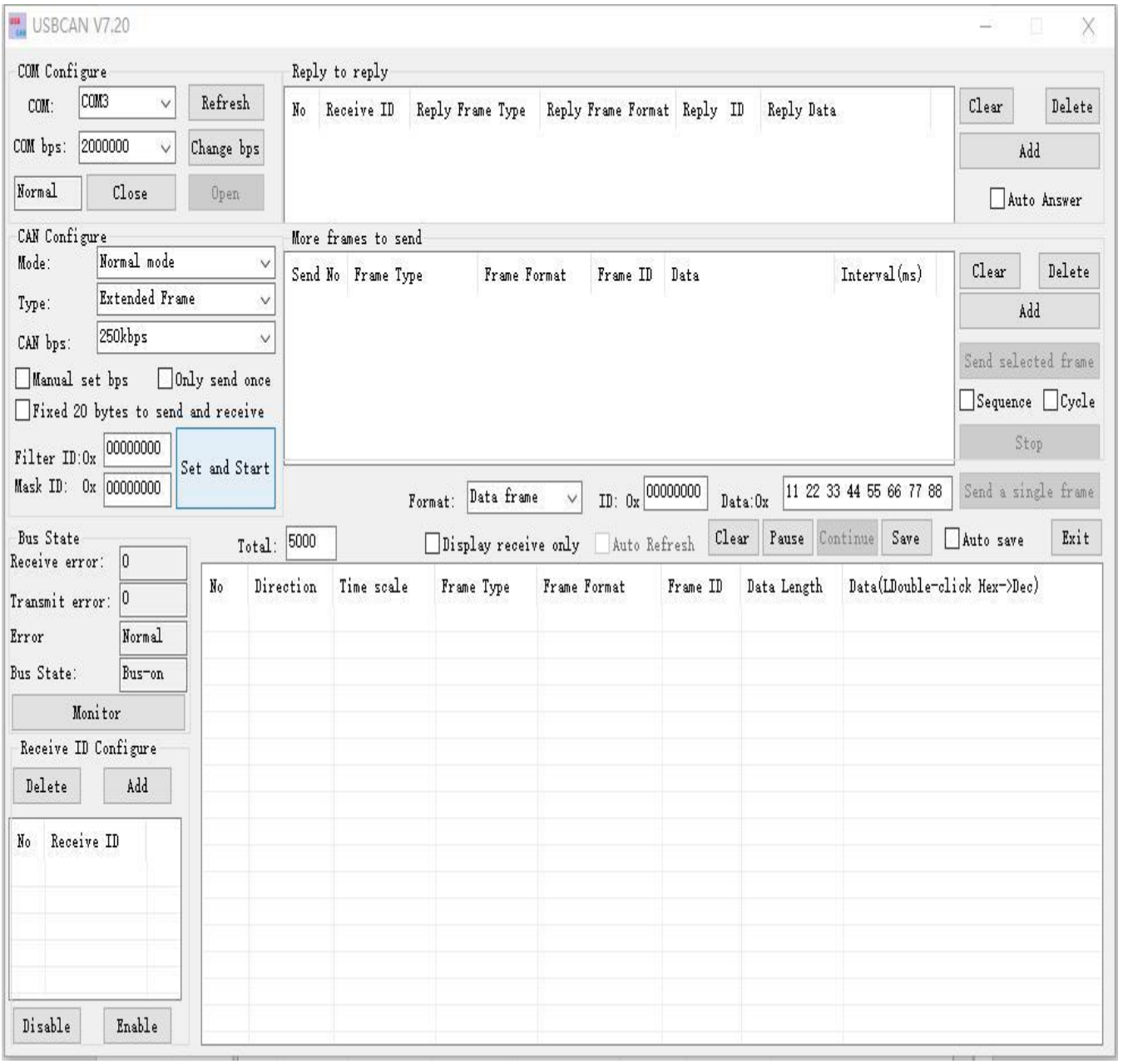
From the device manager see USB(232) - CAN virtual COM port



3.Open the USB - CAN software



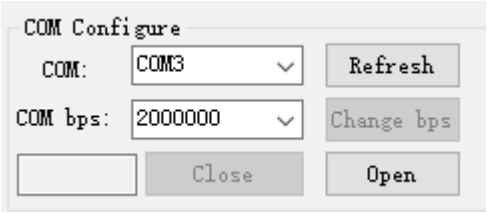
Click on the Open button



According to the CAN bus selecting frame type and set CAN baud rate, point solution set and start button, the CAN bus and the equipment the communication.

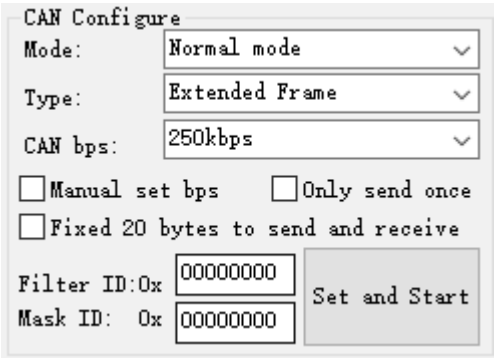
4. Software and introduces

4.1 COM Port Settings



Will the USB - CAN insert computer, CAN automatic find the computer COM port, choose good port CAN, CAN open or closed port, this with serial debugging assistant similar, communication baud rate is fixed 1228800 BSP.

4.2 CAN Settings



Work patterns include normal mode, Loop back mode, silent mode, Loop back + silent mode

Normal mode: is CAN normal communication model, CAN be normal to the bus to send and receive data

Loop back mode: send data CAN be sent to CAN bus, and at the same time, feedback internal region of acceptance, ignore accept pin of the actual state and CAN be used for self test

Silent mode: CAN normal accept data, but CAN only send recessive position, and CAN't really send message, often is applied to the analysis of CAN bus activities

Loop back + silent mode: the model can be used for "hot self test", namely online self test. Like a ring back mode that self test, but does not affect the CAN bus system.

Frame type: standard frame (CAN2.0 A 11 ID) extended frame (CAN2.0 B 29 ID)

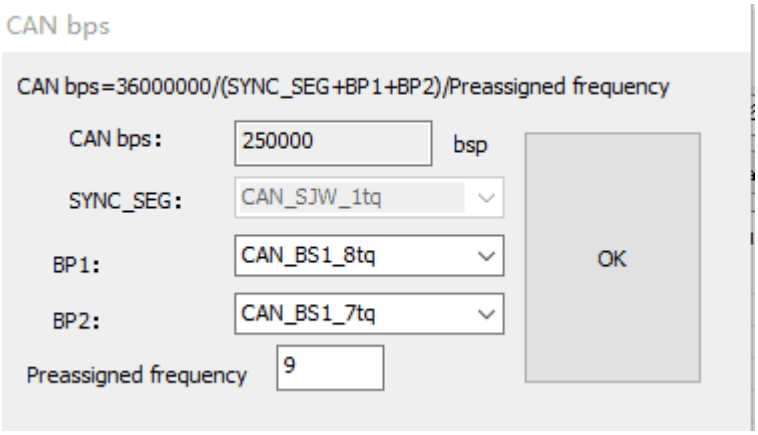
CAN baud rate: CAN the direct selection CAN communication commonly used baud rate:

1M,800K,500K,400K,250K,200K,125K,100K,50K,20K,10K,5K

f it CAN be directly set the baud rate and you CAN equipment baud rate does not agree, CAN choose

Fixed 20 bytes to send and receive: CAN converter internal there are two agreements, one CAN be the length of the communication protocol, is a kind of fixed 20 bytes of communication protocol, communication protocol will be fixed after selected 20, variable protocol communication is not selected

Manual set bps: After the choice will jump out of a custom baud rate dialog box



The top position CAN baud rate calculation formula, and at the same time set phase buffer 1, phase buffer 2, and preassigned frequency is ok

Filter ID and Mask ID: are hexadecimal data filtering the IDs and Mask ID standard frames low 11 (range: 0x00000000 to 0x000007ff) extended frame filter ID and Mask ID 29 (range 0x00000000 to 0x1fffffff)

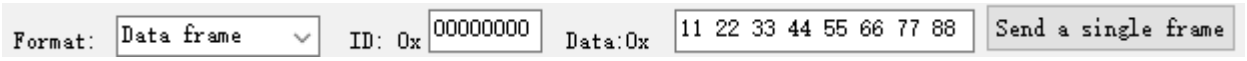
Only send once: CAN communication is usually send unsuccessful automatic repeat, if have been circulating send data, CAN set banned message automatic repeat

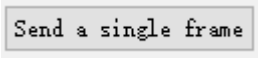
Click 

, CAN undertake the CAN communication

Frame format contains data frames and remote frame, frame ID is hexadecimal data, the standard frame ID the range of 0 x00000000 ~ 0 x000007fff, to expand frame ID the range of 0 x00000000 ~ 0 x1fffffff. To send data also for hexadecimal data. The data in the figure are 0X11 0x22 0x33 0x44 0x55 0x66 0x77 0x88, respectively.

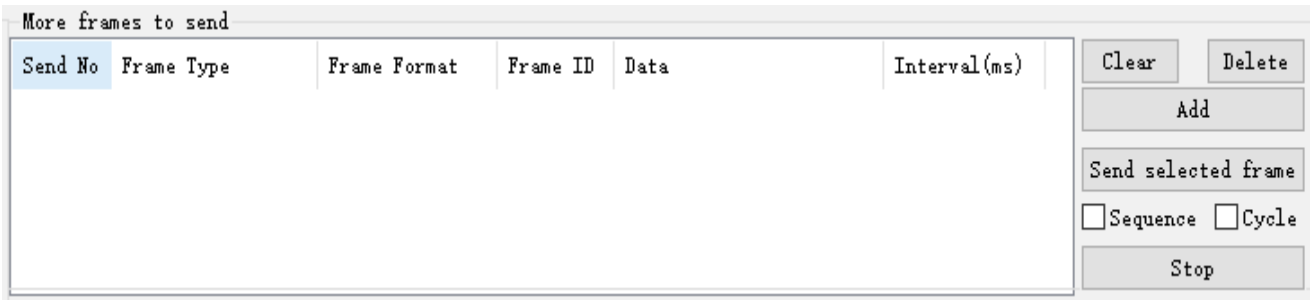
4.3 Sending a single frame data area



Click on the button 

will be the frame data sent to the CAN bus

4.4 Send multiple frames data



Add button: When sending multiple frame area below the selected row will add a frame data

Delete button: To delete the selected rows

Clear button: Send clear area frame to send all the data

Interval: Connected area frame to send on the sending time interval of two frames (ms)

Send selected frame: Click on this button will send multiple frames in the selected row

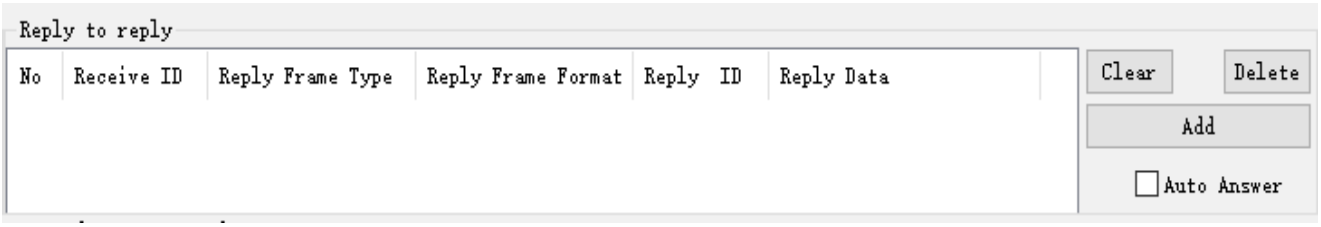
Sequence Selected and then click the send selected frame will automatically switch to the next frame

Cycle: send cycle is repeated

Stop: cancel sending multiple frames command

Data editing in sending multiple frames area editor

4.5 Reply to reply



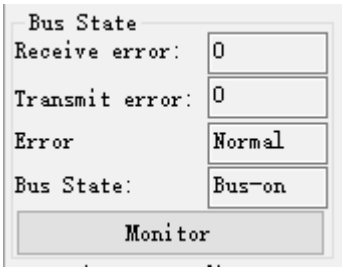
ADD: In the automatic response area below the selected row will add a automatic response data

Delete: To delete the selected rows

Clear: All the data will clear to send automatic response area

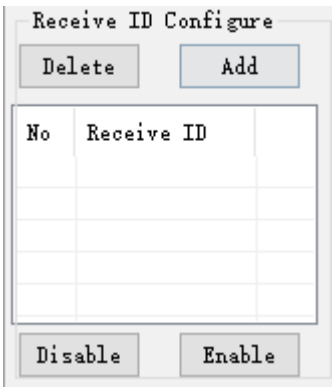
Auto Answer: Will be selected after receiving to accept ID will automatically return the corresponding frame ID and data

4.6 CAN Bus State



Mainly used in turn CAN see USB device CAN state

4.7 Receive ID Configure



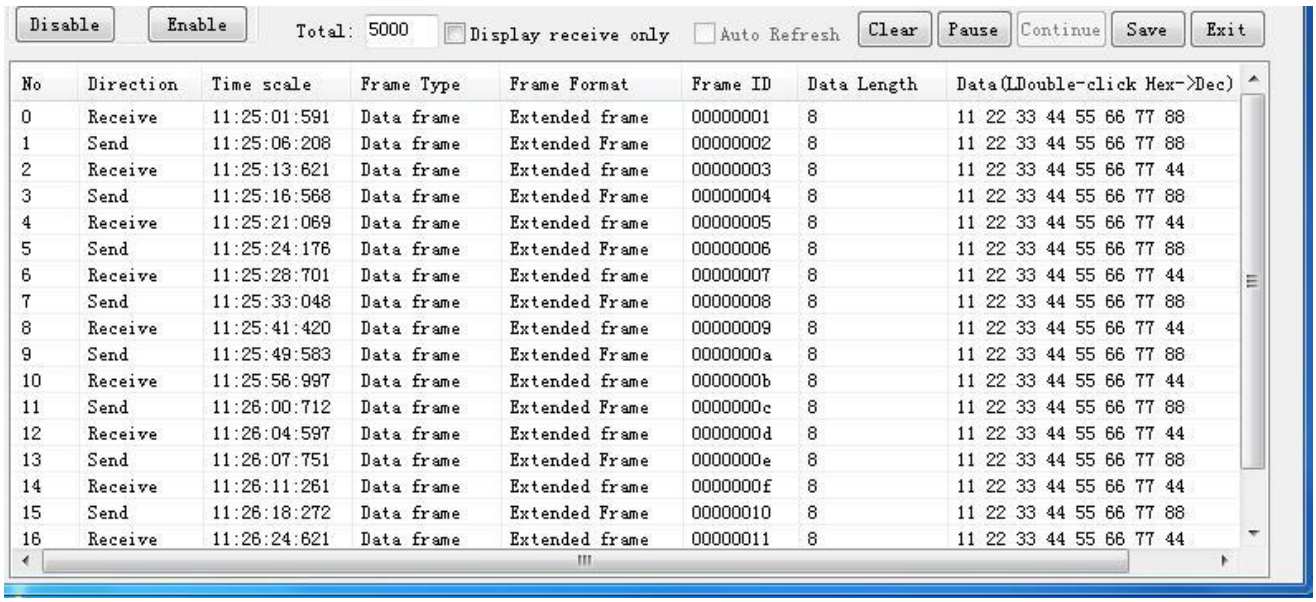
Add: Accept the area below the selected row configuration will add a automatic response data

Delete: To delete the selected rows

Enable: Converter after click on this button will only upload configuration accept ID area ID set inside, other ID are not uploaded to the computer

Disable: Converter after click this button to upload all ID data to the computer

4.8 ending and receiving data display area



No	Direction	Time scale	Frame Type	Frame Format	Frame ID	Data Length	Data(LDouble-click Hex->Dec)
0	Receive	11:25:01:591	Data frame	Extended frame	00000001	8	11 22 33 44 55 66 77 88
1	Send	11:25:06:208	Data frame	Extended Frame	00000002	8	11 22 33 44 55 66 77 88
2	Receive	11:25:13:621	Data frame	Extended frame	00000003	8	11 22 33 44 55 66 77 44
3	Send	11:25:16:568	Data frame	Extended Frame	00000004	8	11 22 33 44 55 66 77 88
4	Receive	11:25:21:069	Data frame	Extended frame	00000005	8	11 22 33 44 55 66 77 44
5	Send	11:25:24:176	Data frame	Extended Frame	00000006	8	11 22 33 44 55 66 77 88
6	Receive	11:25:28:701	Data frame	Extended frame	00000007	8	11 22 33 44 55 66 77 44
7	Send	11:25:33:048	Data frame	Extended Frame	00000008	8	11 22 33 44 55 66 77 88
8	Receive	11:25:41:420	Data frame	Extended frame	00000009	8	11 22 33 44 55 66 77 44
9	Send	11:25:49:583	Data frame	Extended Frame	0000000a	8	11 22 33 44 55 66 77 88
10	Receive	11:25:56:997	Data frame	Extended frame	0000000b	8	11 22 33 44 55 66 77 44
11	Send	11:26:00:712	Data frame	Extended Frame	0000000c	8	11 22 33 44 55 66 77 88
12	Receive	11:26:04:597	Data frame	Extended frame	0000000d	8	11 22 33 44 55 66 77 44
13	Send	11:26:07:751	Data frame	Extended Frame	0000000e	8	11 22 33 44 55 66 77 88
14	Receive	11:26:11:261	Data frame	Extended frame	0000000f	8	11 22 33 44 55 66 77 44
15	Send	11:26:18:272	Data frame	Extended Frame	00000010	8	11 22 33 44 55 66 77 88
16	Receive	11:26:24:621	Data frame	Extended frame	00000011	8	11 22 33 44 55 66 77 44

Clear: empty to send and receive data display so data

Pause: pause in the sending and receiving display area shows that other data

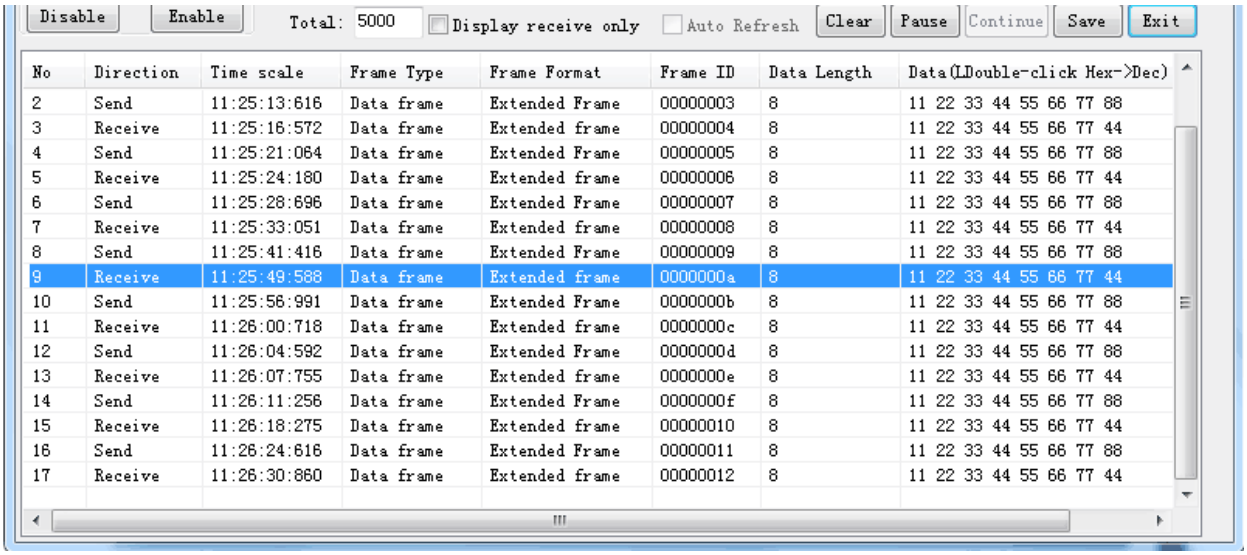
Continue to: continue to show to send and receive data

Save: can send and receive data buffer data storage that can hold two format, excel or TXT text

Display receive only: can send and receive data area show only accept data

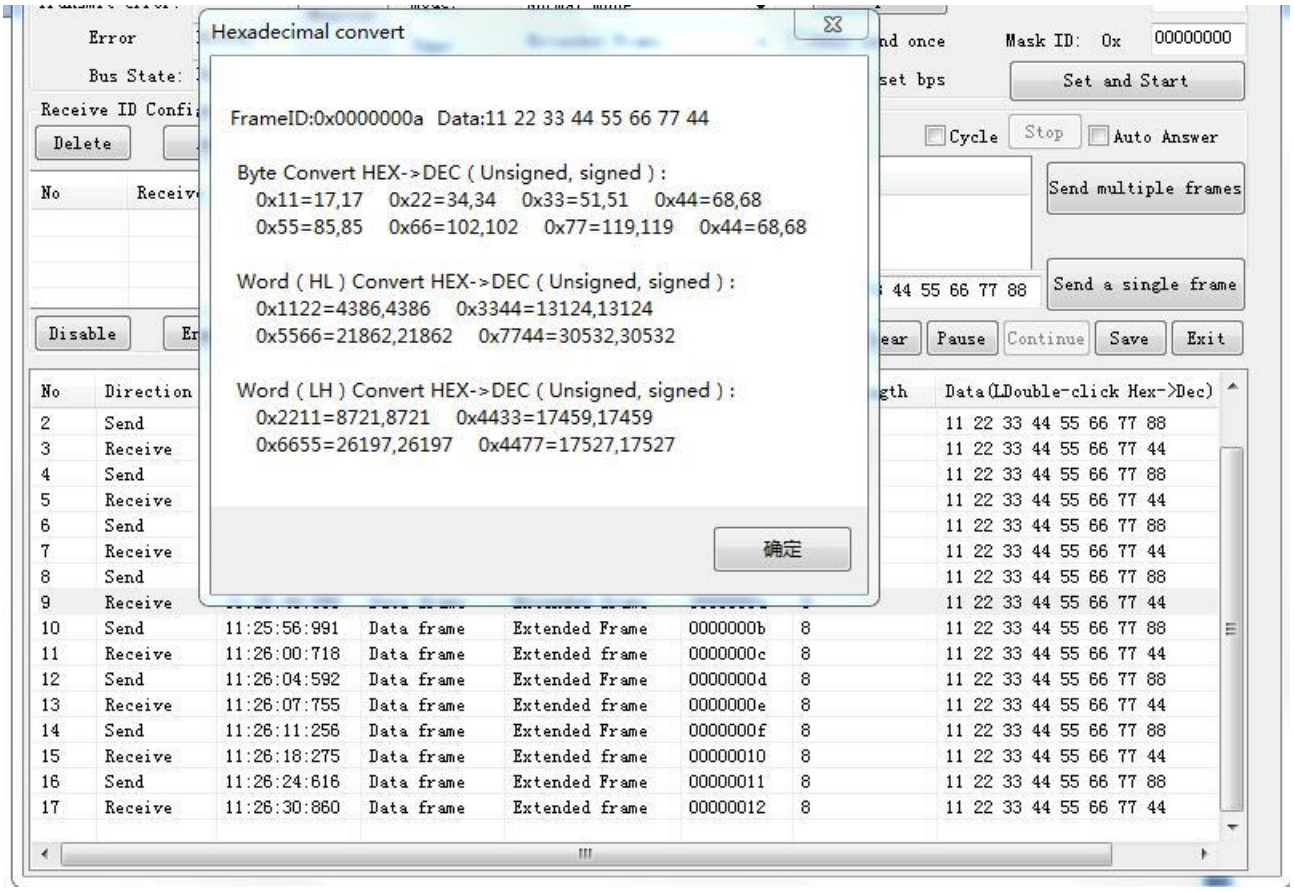
Auto refresh: when display only accept data, CAN choose to be automatic refresh, this time data are real-time refresh, rather than increasing column display, this function CAN be concluded CAN summarize ID data

Select any line



No	Direction	Time scale	Frame Type	Frame Format	Frame ID	Data Length	Data(LDouble-click Hex->Dec)
2	Send	11:25:13:616	Data frame	Extended Frame	00000003	8	11 22 33 44 55 66 77 88
3	Receive	11:25:16:572	Data frame	Extended frame	00000004	8	11 22 33 44 55 66 77 44
4	Send	11:25:21:064	Data frame	Extended Frame	00000005	8	11 22 33 44 55 66 77 88
5	Receive	11:25:24:180	Data frame	Extended frame	00000006	8	11 22 33 44 55 66 77 44
6	Send	11:25:28:696	Data frame	Extended Frame	00000007	8	11 22 33 44 55 66 77 88
7	Receive	11:25:33:051	Data frame	Extended frame	00000008	8	11 22 33 44 55 66 77 44
8	Send	11:25:41:416	Data frame	Extended Frame	00000009	8	11 22 33 44 55 66 77 88
9	Receive	11:25:49:588	Data frame	Extended frame	0000000a	8	11 22 33 44 55 66 77 44
10	Send	11:25:58:991	Data frame	Extended Frame	0000000b	8	11 22 33 44 55 66 77 88
11	Receive	11:26:00:718	Data frame	Extended frame	0000000c	8	11 22 33 44 55 66 77 44
12	Send	11:26:04:592	Data frame	Extended Frame	0000000d	8	11 22 33 44 55 66 77 88
13	Receive	11:26:07:755	Data frame	Extended frame	0000000e	8	11 22 33 44 55 66 77 44
14	Send	11:26:11:256	Data frame	Extended Frame	0000000f	8	11 22 33 44 55 66 77 88
15	Receive	11:26:18:275	Data frame	Extended frame	00000010	8	11 22 33 44 55 66 77 44
16	Send	11:26:24:616	Data frame	Extended Frame	00000011	8	11 22 33 44 55 66 77 88
17	Receive	11:26:30:860	Data frame	Extended frame	00000012	8	11 22 33 44 55 66 77 44

The left mouse button double click it



5.COM bps select

USB - CAN power on when to send and receive light flash **one** at the same time, the COM baud rate to **2000000** BPS, flash **two** at the same time, the COM baud rate to **1228800** BPS, flash **three** times at the same time, the COM baud rate to **115200** BPS, flash **four** at the same time, the corresponding COM baud rate to **38400** BPS, flash **five** times at the same time, the corresponding COM baud rate to **19200** BPS, flash **six** at the same time, the corresponding COM baud rate to **9600** BPS