

EIS Simulation Tester Application

USER MANUAL

VERSIONS:

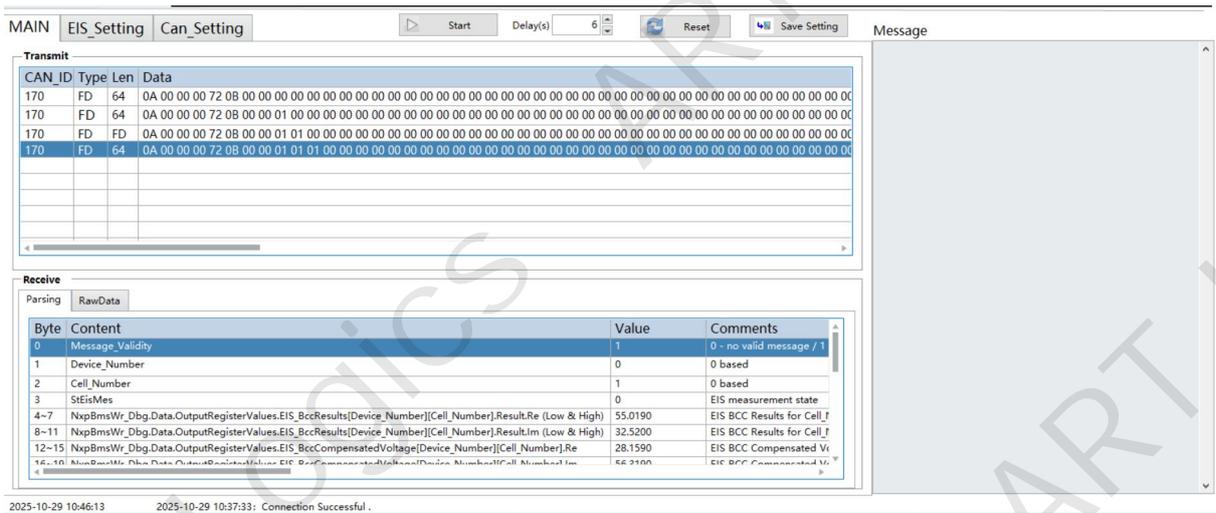
| Version | Date | Author |
|---------|-----------|--------|
| V1.0 | 29/10/202 | Leo |

© 2025–2035ART Logics. All rights reserved.

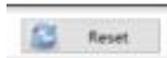
目录

| | |
|-----------------------------|---|
| Software Introduction | 4 |
| EIS SETTING | 6 |
| CAN_Setting | 8 |

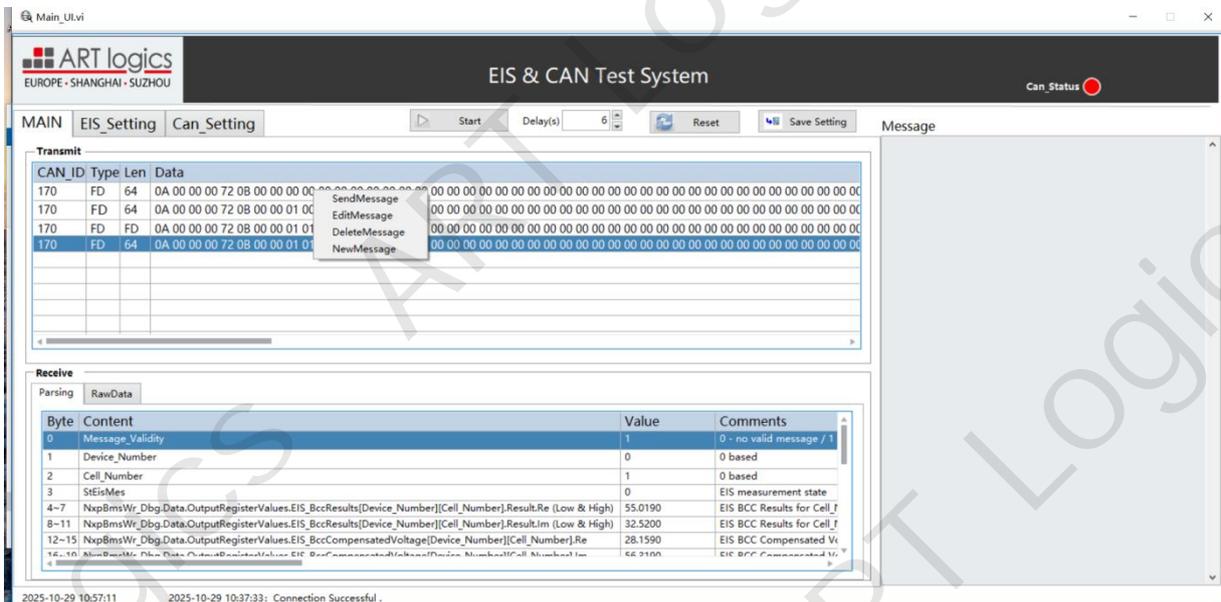
● Main Screen



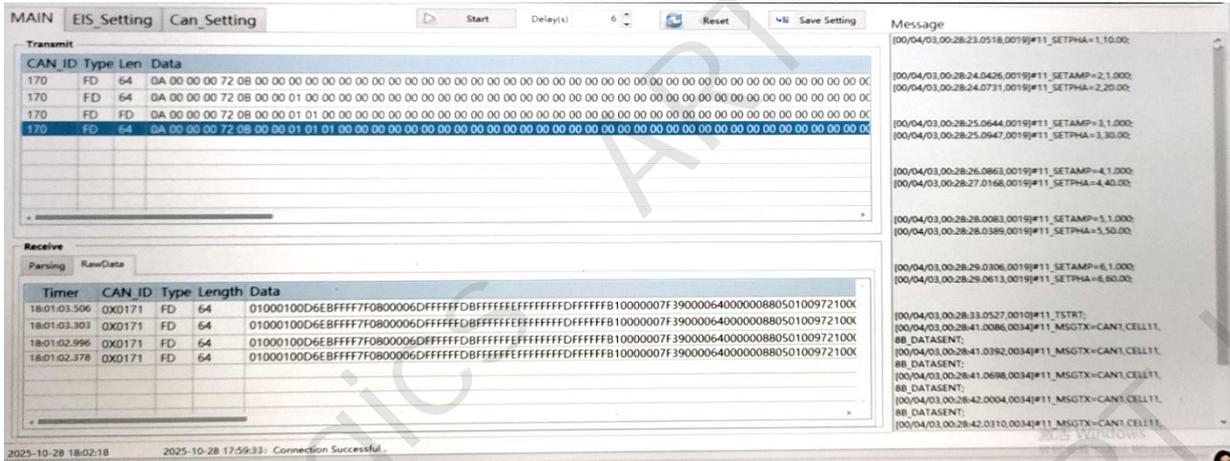
Start button is clicked, first start EIS, then wait for 6 seconds, and send messages 2, 3, and 4 via CAN. The waiting time can be modified.



Click the Reset button, only CAN sends the first message.

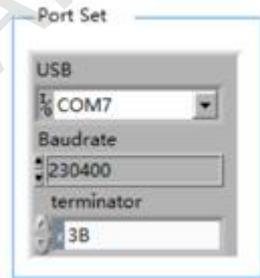


On the message transmit screen, you can choose to send the selected message, edit the message, delete the message, and add a new message. (Right-click the mouse to pop up)



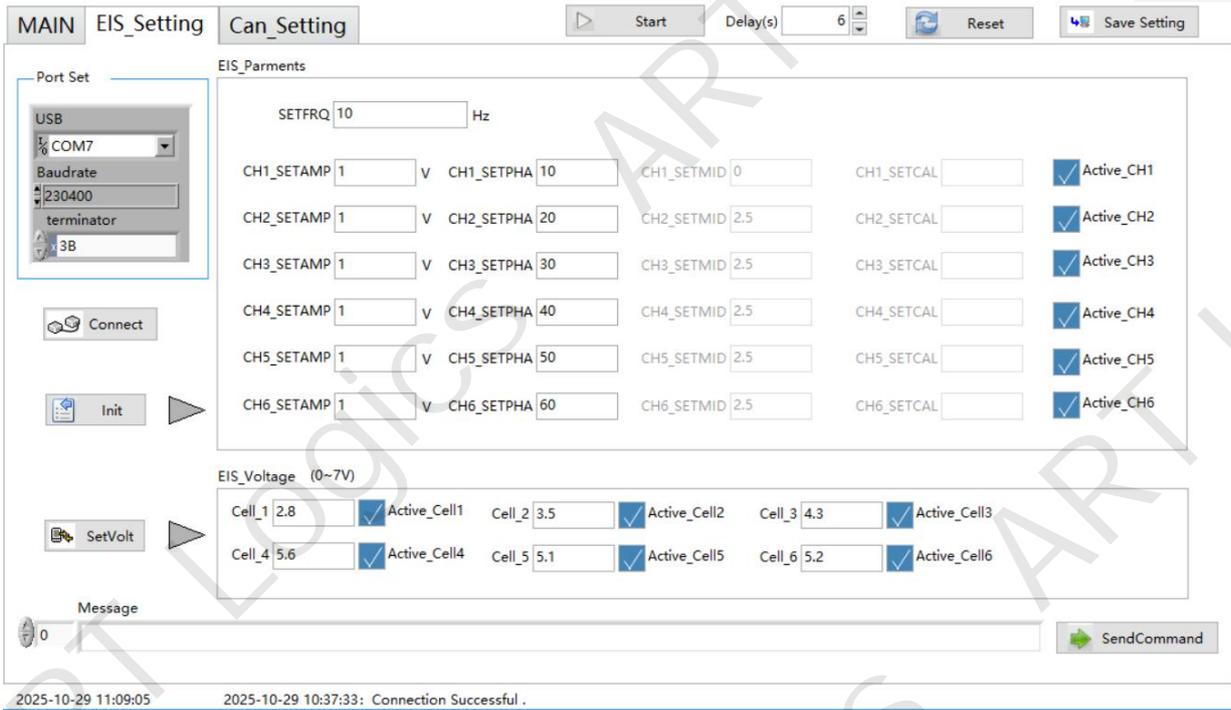
The Receive interface allows viewing of raw data messages and parsed messages.

To Set EIS Signal Simulation



Before starting the software, the COM number corresponding to EIS must first be written into the Parments setting .ini file under the software's support folder.



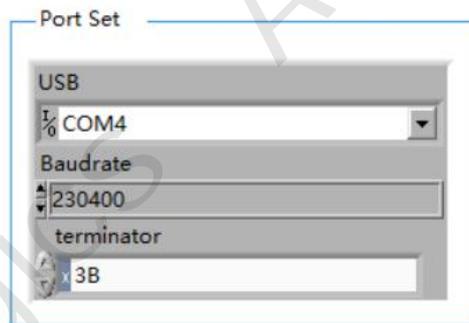


The screenshot shows the 'Can_Setting' tab in the software. The 'Port Set' section is configured for USB COM7 with a Baudrate of 230400 and a terminator of 3B. The 'EIS_Parments' section is set to SETFRQ 10 Hz. Six channels (CH1-CH6) are configured with SETAMP values of 1V and SETPHAS values ranging from 10 to 60. All channels have SETMID values of 2.5 and SETCAL values of 0. The 'EIS_Voltage (0~7V)' section shows six cells with voltages ranging from 2.8V to 5.6V, all of which are active. The 'Message' box at the bottom shows a timestamp of 2025-10-29 10:37:33 and the message 'Connection Successful'.

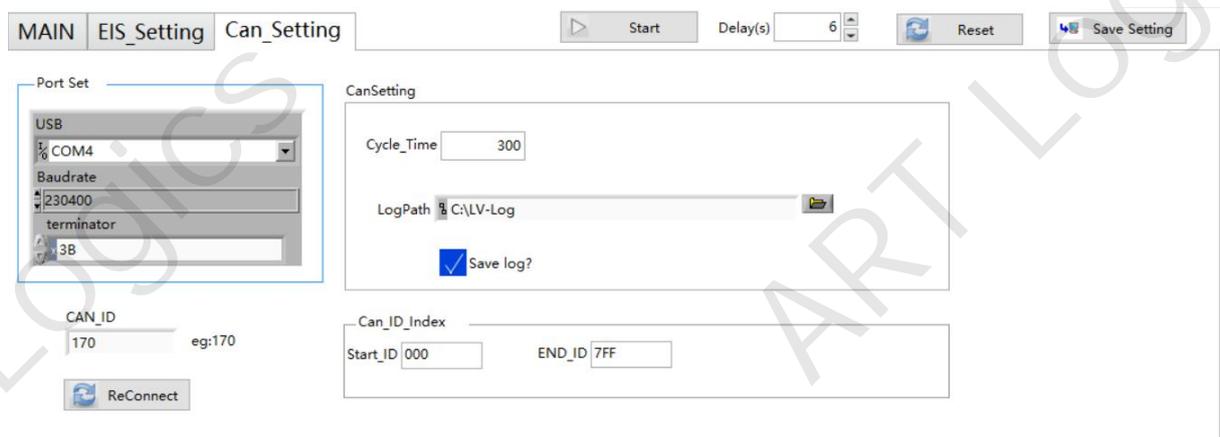
1. Set EIS signal simulation parameters and EIS_Voltage properly.
2. Click the Connect, init, and SetVolt buttons step by step to complete the EIS setup. At the same time, you can see the feedback information of EIS in the Message box on the right.

CAN_Setting

Message sending interval;



Before starting the software, the COM number corresponding to EIS must first be written into the Parments setting .ini file under the software's support folder.



Can_ID_Index

Start_ID END_ID

By the CAN_ID Index function, you can filter and only receive the necessary messages.

Cycle_Time

CAN_ID eg:170

 ReConnect

The configuration can be completed by modifying the sent CAN_ID and then reconnecting the CAN_Logger.