

ZE300_CAN_Update V1.01

Software user guide

For motor firmware updates using CANABLE 2.0 (SLCAN firmware)

Applicable software	ZE300_CAN_Update V1.01
Hardware interface	CANABLE 2.0 (SLCAN firmware)
Requirements	Applicable only to motor firmware version V3030 or later

Note: This software can be used only with devices whose current motor firmware version is V3030 or later.

1. Scope

This document describes how to use ZE300_CAN_Update V1.01 software with CANABLE 2.0 (SLCAN firmware) to update motor firmware.

2. Required tools

Category	Item
Hardware	CANABLE 2.0, motor to be updated, USB data cable, and CAN communication cable
Host software	ZE300_CAN_Update V1.01
Firmware requirement	CANABLE 2.0 running SLCAN firmware

3. Preparation

- Verify that CANABLE 2.0 is properly connected to the computer via USB.
- Verify that the motor is powered properly and that CANH and CANL are wired correctly.
- Verify that the computer has detected the correct COM port.
- Verify that the firmware update file matches the target device.
- Verify that the current motor firmware version is V3030 or later.

4. Wiring

Connect the CAN bus as shown below.

CANABLE 2.0	Motor side
CANH	CANH
CANL	CANL

- Do not reverse CANH and CANL.
- Keep the power supply stable during the update. Do not disconnect power or cables.
- To prevent unintended operation, connect only the device being updated to the bus.

5. Software interface

The figure below shows the ZE300_CAN_Update V1.00 main window. All update operations are performed in this window.

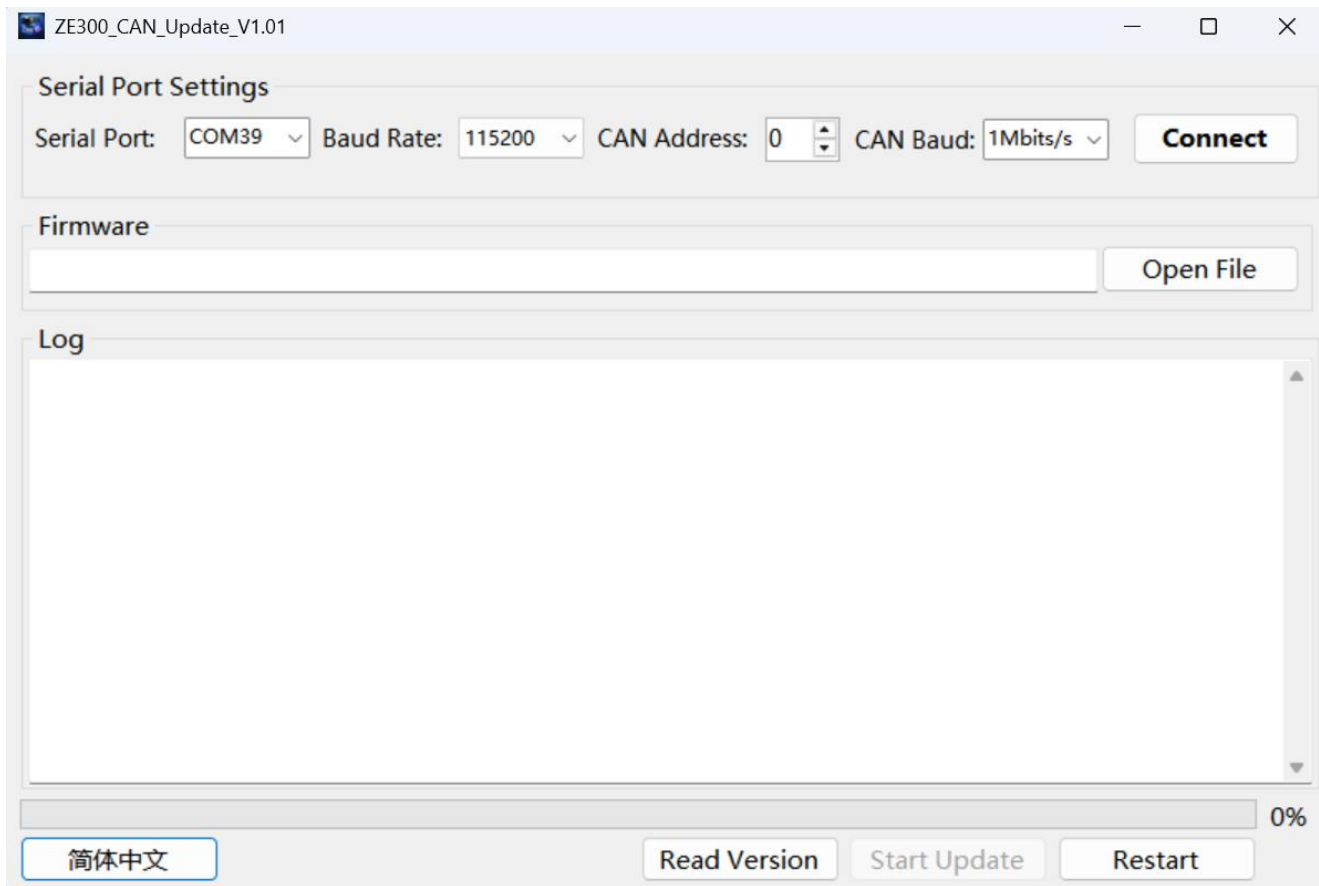


Figure 1 ZE300_CAN_Update V1.00 main window

The main areas of the interface are described below:

Area/button	Description
Serial Port Settings	Select the COM port, serial baud rate, CAN device address, and CAN bit rate, and then click "Connect" to establish communication.
Open File	Select the firmware file to update.
Read Version	Read the current motor firmware version. Perform this step before starting the update.
Start Update	Start the firmware update after establishing a connection and selecting the firmware file.
Restart	After the update is complete, click this button to restart the system and switch to the new version.
Log/progress bar	Displays the update process, result, and current progress.

6. Procedure

Step 1 Connect the device and establish communication

Select the correct COM port, serial baud rate, device address, and CAN bit rate for the device, and then click "Connect".

Step 2 Read the current firmware version

Click "Read Version" to confirm the current motor firmware version and verify that the device meets the V3030-or-later requirement.

Step 3 Select the update file

Click "Open File" and select the firmware file to update.

Step 4 Start the update

After confirming that the connection is working and the correct firmware file is selected, click "Start Update" and wait for the motor to enter the update process.

Step 5 Restart after completion

After the update is complete, click "Restart" to restart the system and switch firmware versions.

7. Verifying a successful update

- The software log indicates that the update succeeded or is complete.
- After the update, clicking "Restart" restarts the device normally.
- Read the version information again and verify that the displayed version matches the target firmware.

8. Precautions

- This software can be used only when the motor is running firmware version V3030 or later.
- Read the version information before the update to confirm the current device status.
- Do not disconnect power, USB, or the CAN communication cable during the update.
- Ensure that the selected firmware file matches the target device model.

9. Troubleshooting

Issue	Recommended action
COM port not found	Check the USB connection, driver installation, and whether the COM port is in use.
Unable to connect to the device	Check the CANH/CANL wiring, device address, serial baud rate, and CAN bit rate settings.
"Start Update" button unavailable	Connect the device and click "Read Version" before starting the update.
Device does not respond after the update	Confirm that the firmware file matches the device, power-cycle the device, and then read the version information again for verification.