



UPDATE NOTE

from firmware V4 to firmware V5

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FW-UPD-V5-EN

Firmware Revision: 5.004

Version 1, 09-2026

1. Update from firmware V4.xxx to firmware V5.xxx

This note is for anyone who has a DBS, FC or FCL Integrated Drive with firmware V4.xxx and takes it to V5.xxx. With V5 it is not only the motor firmware that changes: the Hilscher protocol stack must be updated too, that is the software running on the fieldbus board that handles the fieldbus. So there are two updates, one after the other, both from the BSI software.



The second step, the protocol stack update, is **mandatory**. With firmware V5 and the protocol stack of the previous version the system does not work.

Starting firmware	V4.xxx
Target firmware	V5.004
Connection	USB

Before you start:

- download from the website the BSI package of version 5.004: the new firmware and the protocol stacks are inside the package;
- connect the motor to the PC with the USB cable, because the firmware update is only possible over USB;
- keep the motor powered for the whole procedure: do not remove the power supply while an update is in progress.

1.1. Step 1: firmware update

Open the BSI of version 5.004 and connect to the motor. The BSI notices that the firmware on board is older than its own and opens the **Install new software** window, with the current and the new version ([Figure 1](#)).

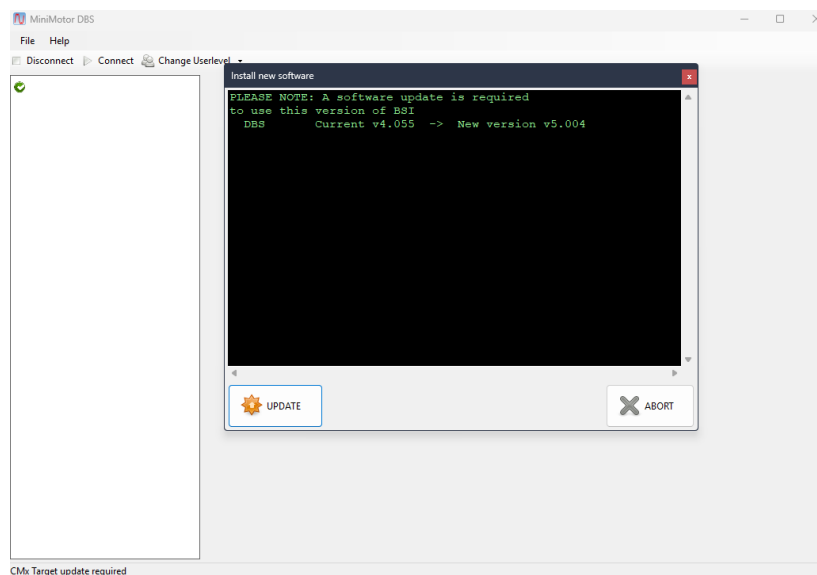


Figure 1. The BSI proposes the firmware update from V4 to V5

Press **UPDATE** and wait for the process to finish, then press **CLOSE**. It is the same procedure as any firmware update, also described in the Parametrization Interface chapter of the manual.

1.2. Step 2: protocol stack update

Connect to the motor again with **Connect**. In the tree on the left select **Fieldbus Protocol**, or press **Update fieldbus...** in the top bar, available at any user level (Figure 2).

The **Field-bus protocol utility** page shows the protocol installed on the fieldbus board and its version. In the **Fieldbus selection** window the BSI reports the current protocol and, below it, the message **An updated protocol is available**: it means the stack on board is the old one.

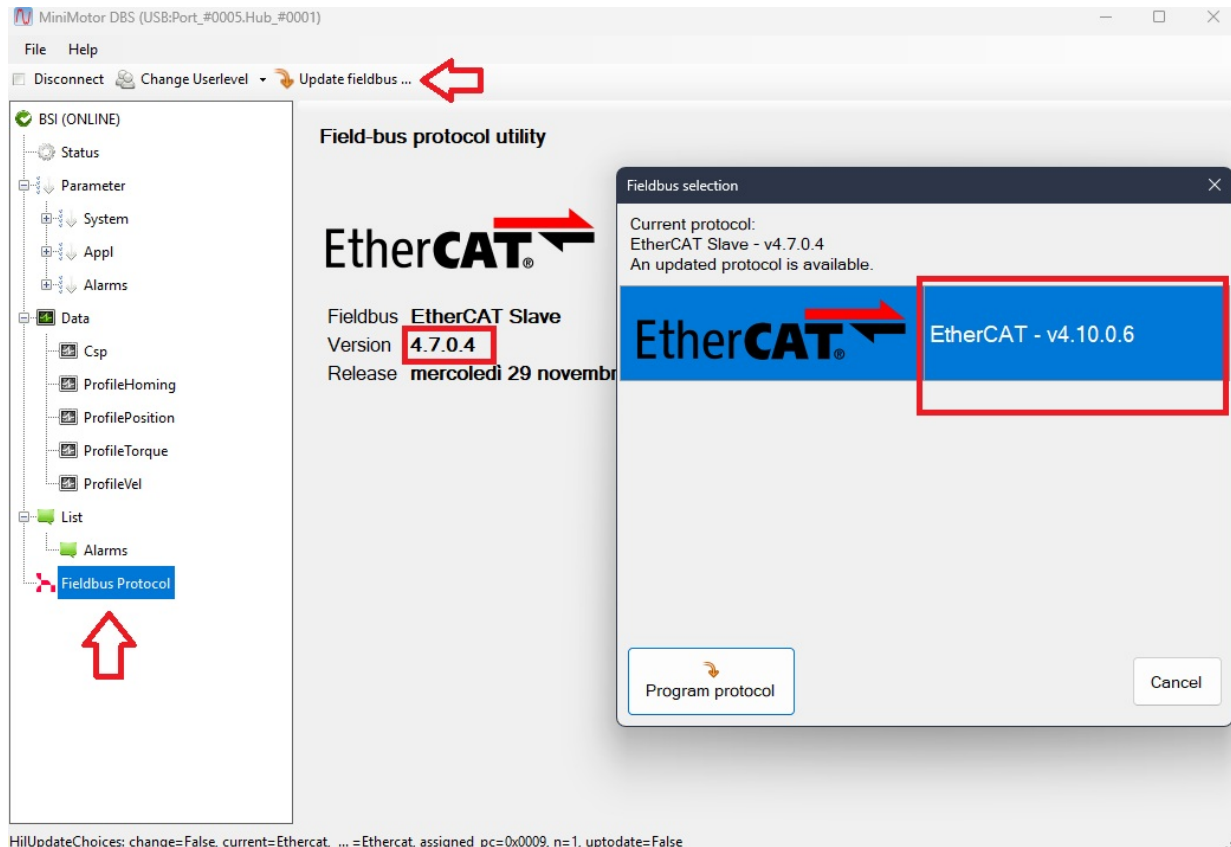


Figure 2. Protocol stack update: Fieldbus Protocol page and Fieldbus selection window

1. Select in the list the proposed protocol, with the new version. In the example in the figure the motor has EtherCAT, with stack 4.7.0.4, and the BSI proposes **EtherCAT - v4.10.0.6**.
2. Press **Program protocol**.
3. Wait for the programming to finish: at the end the motor restarts on its own. Do not disconnect it or remove the power supply before the restart.

The example shows EtherCAT; with PROFINET, EtherNet/IP, CANopen or POWERLINK the window proposes the protocol stack of the board fitted on your motor, and the steps are the same.

1.3. Check

After the restart connect again and go back to **Fieldbus Protocol**: the version shown must be the new one and the message **An updated protocol is available** must no longer appear. At this point the motor is ready to work on the fieldbus with firmware V5.004.



If you have several motors to update, carry out both steps on each motor before moving on to the next one. A motor with firmware V5 and the old stack does not communicate on the

bus.