USBCAN FIRMWARE UPDATE

1 Procedure

1. Open the Terminator X EFI software with the USBCAN module plugged in.
2. Under the **Toolbox** menu, select **Reprogram USB CAN** (Figure 1).

Figure 1: Activate Reprogramming Mode

3. The Terminator X software will display a popup indicating the bootloader has been enabled. Click **OK** to clear the message.
4. Windows may show an AutoPlay dialog (Figure 2) after the device has a chance to connect to your system. If it does, click **Open folder to view files** and skip to Step 8. The window should appear as shown in Figure 4.

Figure 2: Windows AutoPlay

5. Open Windows Explorer (the Computer item in the start menu). The USBCAN should be visible under Devices with Removable Storage. See Figure 3 for an example.

Figure 3: Windows Explorer view of USBCAN

6. Double-click the USBCAN device to open it. The folder appears as shown in Figure 4.

Figure 4: Window for USBCAN

7. Open another Windows Explorer window and navigate to the location of the firmware file. The file is named *usbcan_application_1_x_yz.bin*, where the x_yz portion are additional numbers and letters denoting a version number. See Figure 5 for an example of the file.

Figure 5: Update File

8. Either drag it into the USBCAN window or Copy (Ctrl-C) that file (Figure 6) and Paste it (Figure 7) into the USBCAN window. Windows may briefly show a copying file dialog and the USBCAN window may close – this is normal behavior and will not affect the module. When that dialog has cleared (if it was shown), disconnect the module from the USB port and insert it again. The module should not appear in the list of Computer drives any more. If it does, try copying and pasting the application file again.
9. Open the Terminator X EFI software again.
10. Under the Toolbox menu, select **Get USB CAN Version** (Figure 8). A dialog box will appear with the version as shown in Figure 8. Confirm the version is the expected firmware version.
11. The upload is complete and the module is ready for communication with Terminator X again.

Figure 6: Copy Application Firmware File

Figure 7: Paste Application Firmware File

Figure 8: Check Module Version

Figure 9: Displayed Application Version

2 Other Information

If the reprogramming mode for the USBCAN is activated unintentionally, unplug from the USB port and plug the module back in. It will resume operation from the previous application. Note that this does not apply/work if the reprogramming operation has already started (by pasting the new file into the USBCAN window).

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