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Knowledge Base Article

Product Group: Microlog
Product: CMVA60 – Portable Data Collector
Version: N/A

Abstract

The CMVA 60 Microlog operates out of the "Flash" code. The "Flash" code is stored on a "Flash" memory chip internal to the CMVA60, and is launched whenever the CMVA 60 Microlog is turned on. The "Flash" code can be identified as firmware versions greater than 3.80, consequently, any version 3.7X and earlier are "EPROM" code. The "Flash" memory technology enables the ability to update the firmware, which is packaged as a **language.bin** file, to the CMVA60 via the Serial Port, thus eliminating the need of opening up the Microlog. This article provides the steps required in upgrading.
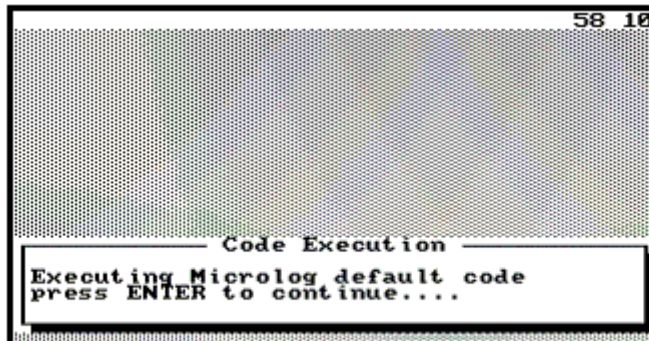
Overview

In order to upgrade the CMVA 60 firmware, the Microlog Download Utility program is required, which is provided on the 3.81 (and later) upgrade CD and the new code (language.bin).

Follow the steps outlined below to upgrade the CMVA 60 firmware:

1. Put the CMVA 60 in "Default Code" mode (**Note: Entering this mode will erase all Route data from the CMVA 60!**). This is done by simultaneously pressing the **[3]** & **[9]** buttons while turning on the device. A 'Code Execution' dialog will appear on the screen. [Figure 1a]

2. Press the [Enter] button to get to the Main Menu. [Figure 1b]

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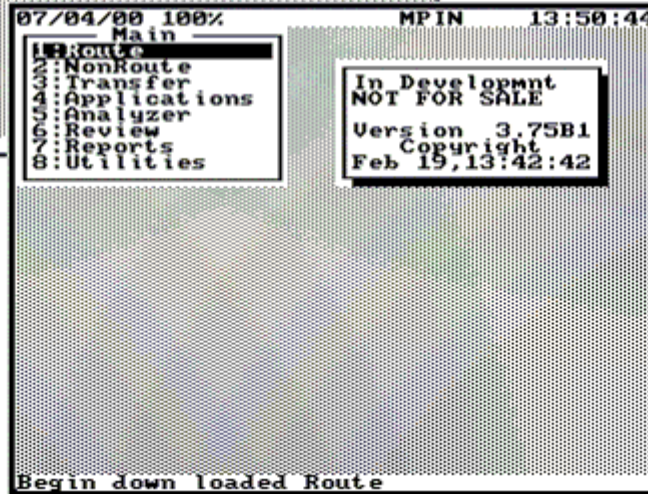
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a

b

Figure 1. Microlog screen

3. Select option **3: Transfer** to view the Transfer menu. A **Code** field will appear at the bottom of the list. [Figure 2]
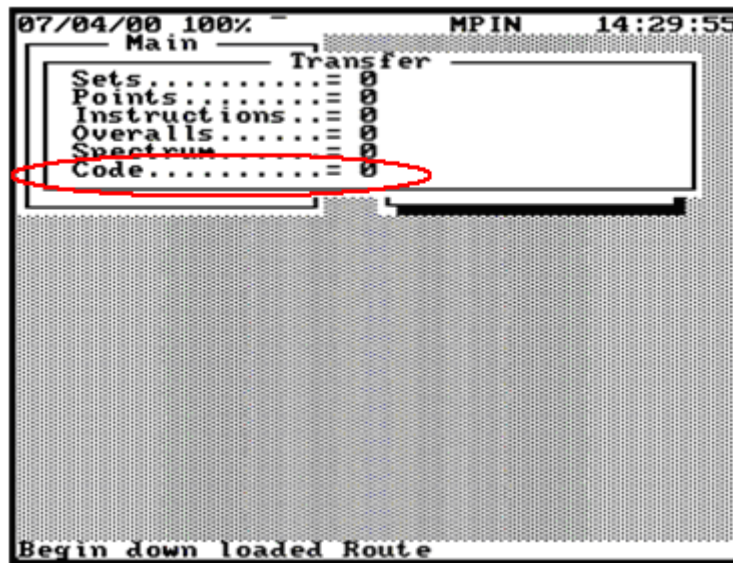
Figure 2. Transfer menu

4. Launch the **Microlog Download Utility** program on the computer. Go to **File → Open**, and then select the **language.bin** file from the proper drive and folder using the Select File window. [Figure 3]
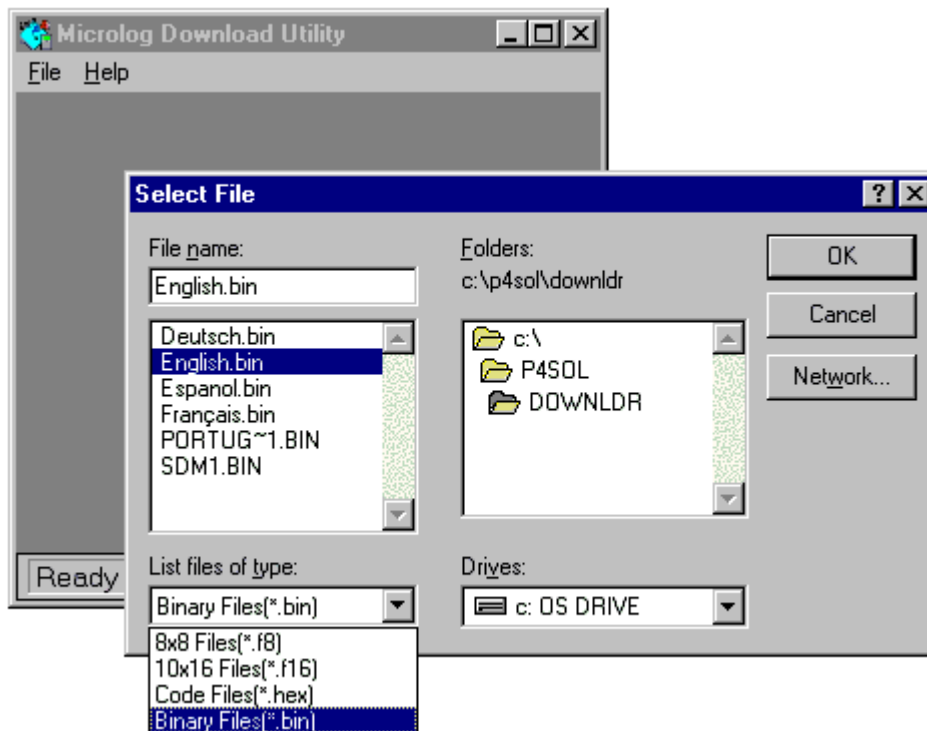

Figure 3. Microlog Download
Utility program

5. Go to **File → Communications** and verify that the **Com Port** and **Baud Rate** match the settings in the CMVA60. [Figure 4]
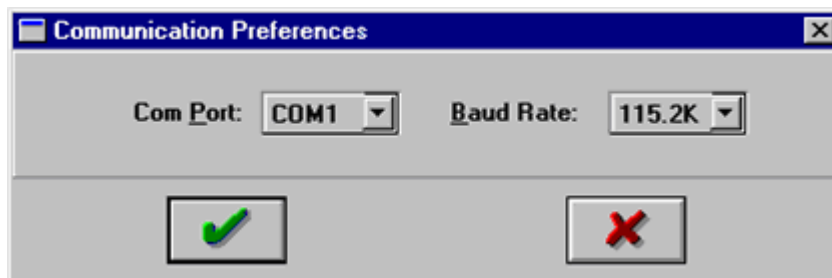

Figure 4. Communication Preferences

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6. Next, go to **File → Download**. A 'downloading data' dialog message will appear. [Figure 5]
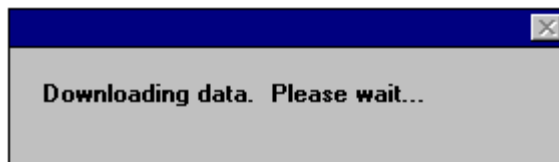

Figure 5. Dialog message

7. Then, the following message will appear on the CMVA 60 screen:

WAIT Erasing Flash Memory

Once the message above disappears, the Code field shown in Figure 2 will begin to increase its count from 0 until it reaches 640. After a couple of seconds, a **Calculating Checksum** message will appear, followed by an **Updating Checksum** message. Finally, the following message will appear:

Successfully Downloaded!
The Checksum = **XX**
Please switch the Microlog off and on to execute new code

Once the Microlog has been turned off and on again, it will launch with the new firmware.

For further assistance, please contact the Technical Support Group by phone at 1-800-523-7514 option 8, or by email at tsg-americas@skf.com.

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