

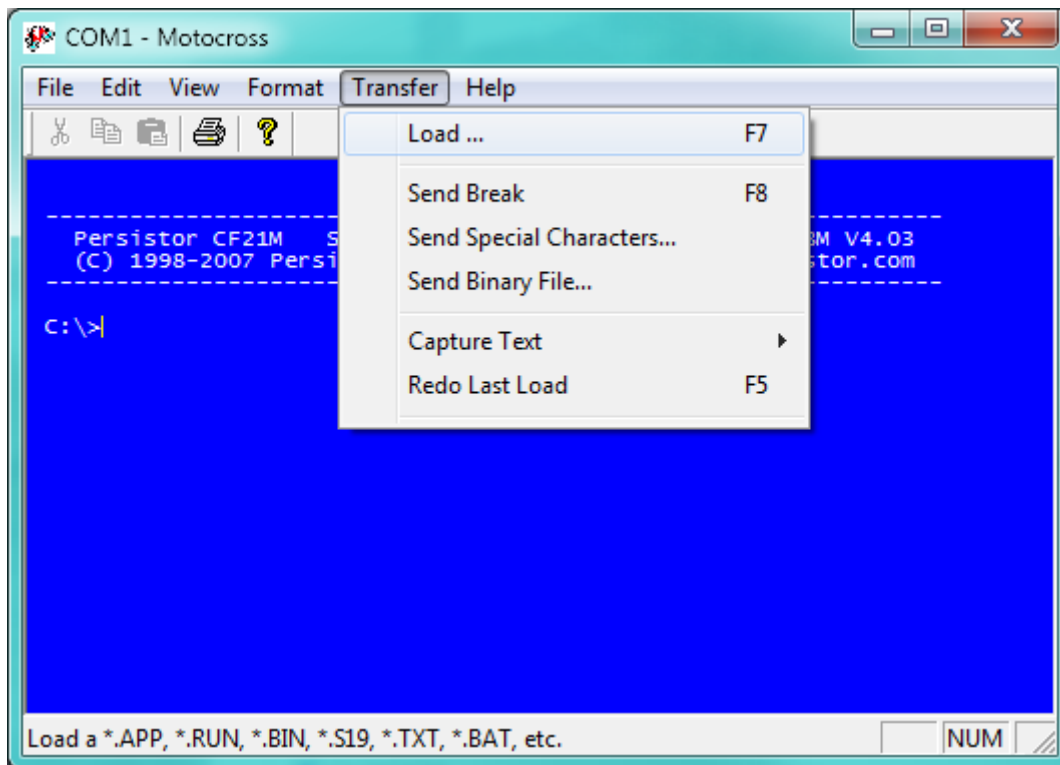
Using MotoCross to download McLane firmware to Persistor CF2-based samplers and profilers.

Comparing CF2 and TT8 file types:

- The CF2's .APP file is equivalent to the TT8's .AHX file, and is used to flash a program into the EEPROM so that it's permanently resident and runs itself when the logger is powered on or rebooted.
- The CF2's .RUN file is equivalent to the TT8's .RHX file, and is used to run a program from live memory. This program will "disappear" when it exits and must be downloaded again in order to run it again.
- The CF2's .RUN file is also used to copy a program to a (possibly installed) CompactFlash card. When this occurs, the file is automatically renamed to a .PXE file type, and is then equivalent to the TT8's .RUN file.

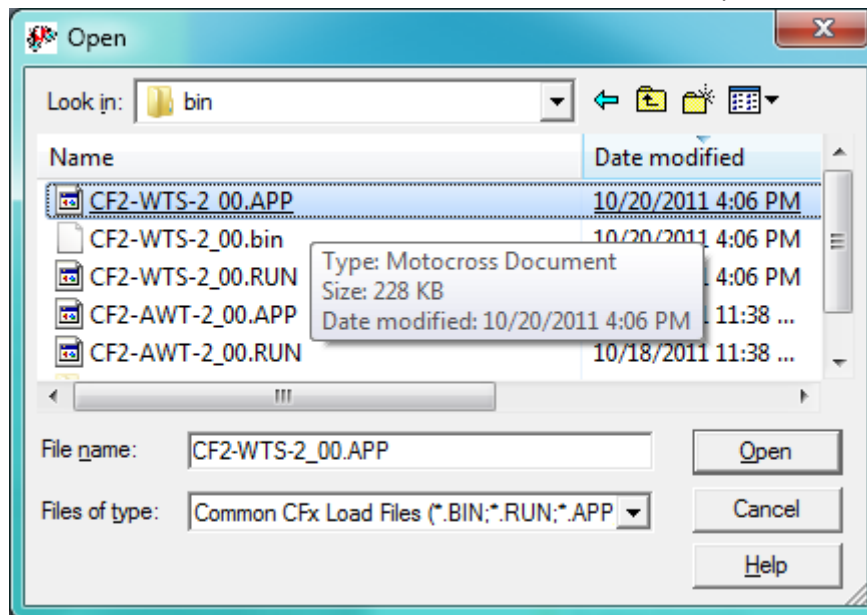
To download and flash new firmware into a CF2-based McLane product:

- Connect the instrument to the PC and run MotoCross. Ensure that the instrument has exited the current program and is sitting at the Persistor C:\> prompt.
- Press F7, or Alt-TL, or select Transfer from the main menu, then click Load.

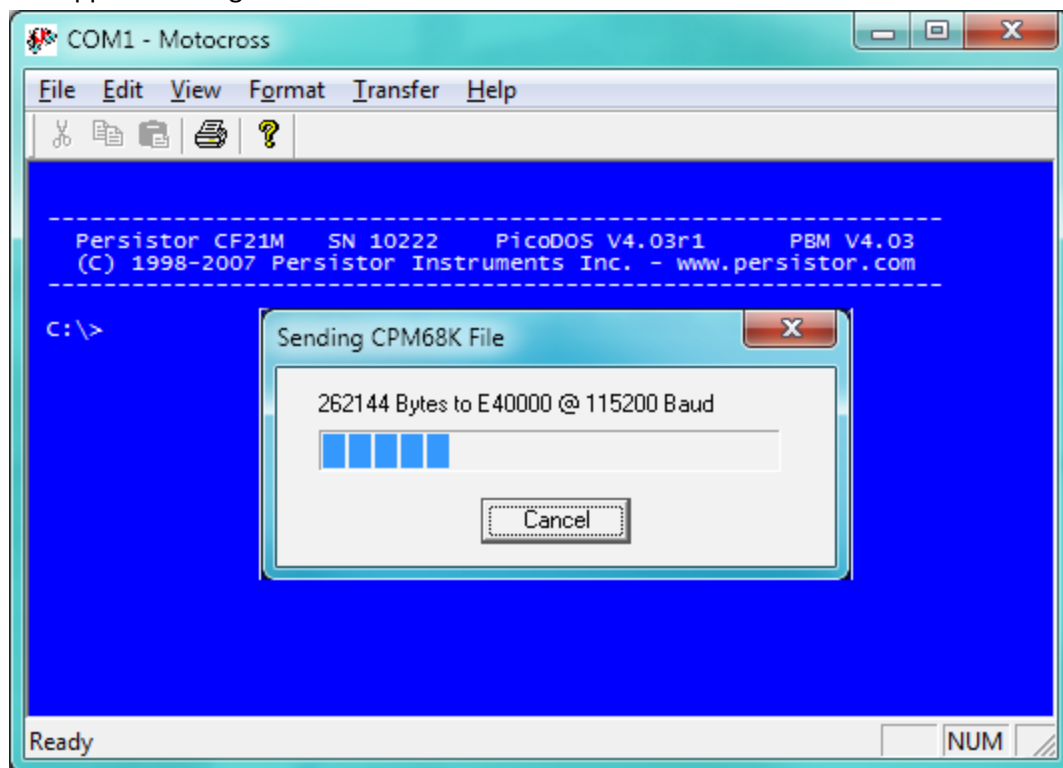


- A Windows file dialog box will open.
 - Navigate to the appropriate directory.

- Click on the .APP file of interest, or select it and then click Open.



- The application begins to download...



- When the download is finished, you'll see something like the following (specific addresses and load sizes are program specific.)

```

COM1 - Motocross
File Edit View Format Transfer Help
-----
Persistor CF21M  SN 10222  PicoDOS V4.03r1  PBM V4.03
(C) 1998-2007 Persistor Instruments Inc. - www.persistor.com
-----
C:\>
###MX Load: CRC E40000 E7FFFF = D3B38975
G
Ready
NUM

```

- Press the ENTER key. The program is burned to flash memory and begins to execute.

```

COM1 - Motocross
File Edit View Format Transfer Help
-----
Persistor CF21M  SN 10222  PicoDOS V4.03r1  PBM V4.03
(C) 1998-2007 Persistor Instruments Inc. - www.persistor.com
-----
C:\>
###MX Load: CRC E40000 E7FFFF = D3B38975
G
-->"??" @ E40000

><((((' ><((((' ><((((' ><((((' ><(((('
CF2-WTS-2.00 R4 L2.0 | WTS-2.00.c compiled Oct 20 2011 at 16:06
Clock reads 10/20/11 19:48:26. Change [N] ?
Ready
NUM

```

- If power is cycled, the same program remains resident and runs again from flash memory. The update is now complete.