

Persistor CF1 Getting Started Guide Supplement

December 2001

1. Installing CodeWarrior for Palm OS® Version 8.0
2. Installing PicoDEV Tools for PicoDOS 2.27
3. Manually Specifying Source Trees for PicoDOS 2.27

Introducing CodeWarrior for Palm OS

Persistor's MotoCross tools now support CF1 and CF2 cross-development using the Palm OS version of the Metrowerks CodeWarrior compiler suite. The first part of this interim supplement describes the installation steps that differ from the standard Persistor CF1 Getting Started Guide.

Introducing PicoDOS 2.27

PicoDOS 2.27 introduces many directory structure and file naming convention changes to support concurrent development for both the CF1 and CF2 which may then share many common libraries, headers, and source files. A new installer system helps us hide these changes and even lets you continue to work with older style projects while adopting the improved mechanics and templates for new projects.

Introducing Source Trees

CodeWarrior's powerful Source Trees feature is largely responsible for our ability to hide the changes and provide seamless backwards and forwards compatibility. However, until we master the complexities of our new InstallShield tools, this does introduce a one-time additional manual step in the installation process that we later hope to automate. ***Setting up the IDE Source Trees is required for both CWPro6 and CWPalm8 when used with PicoDOS 2.27 or above.***

Future Plans

Metrowerks dropped support for developing 68K Macintosh applications with version 7 of the CodeWarrior Pro tools, and that also ended CF1 development using the Pro tools - necessitating our switch to CodeWarrior for Palm OS. CWPalm8 retains much of the 68K Macintosh application support for use in debugging Palm applications on the Mac, and our MotoCross tools work equally well using these same tools. However, it's possible that this legacy support for Macs will also go away in some future release of the CWPalm tools.

With this in mind, and to ensure long-term support for low cost CF1/CF2 development, we're retooling the MotoCross tools to also perform their translation magic directly on 68K PalmOS (.PRC) applications. The installed base of tens of millions of these 68K based consumer items pretty much guarantees years and years of active support.

Metrowerks supports C++ programming for the Palm OS, but not the full compliment of the standard C++ library. This means CWPro6 was likely the last version of the low cost CodeWarrior compilers for which we could fully support C++ development. Later in 2002, we will add CodeWarrior for 68K/ColdFire® Embedded Systems (CWE68K) to our PicoDEV tool offerings and this \$4995 package, will bring long-term, full C++ support plus remote source level debugging.

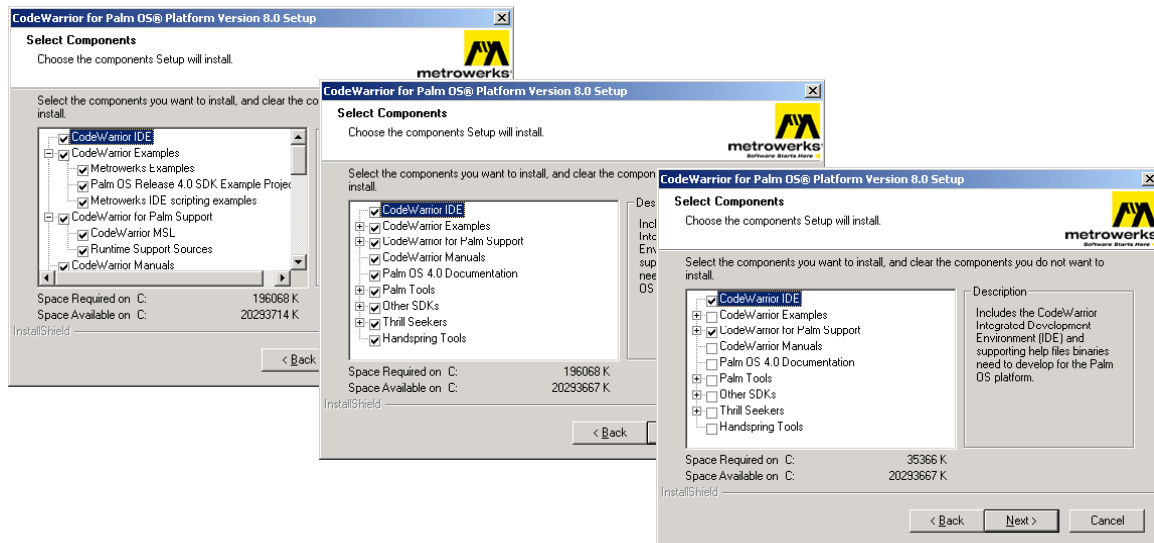
Installing CodeWarrior

The instructions and screen snapshots shown in the Installing CodeWarrior section on page six of the standard CF1 Getting Started Guide differ only cosmetically between the CWPPro and CWPalm packages until you get to the "Setup Type" screen on page 8 which now offers only two options. You still want to choose "Custom Install", but it will be option 2 instead of option 4.

Select Components

The component selection is also very similar for CWPalm. Use the screen snapshots and instructions below:

- 1) **Setup Type**
 - a. Click-select **"CodeWarrior Custom Install"**
 - b. Click **Next>**
- 2) **Select Components**
 - a. Collapse all of the boxes to fit everything in the small window
 - b. Uncheck everything except:
 - i. **"CodeWarrior IDE"**
 - ii. **"CodeWarrior for Palm Support"**



Installing PicoDEV and MotoCross

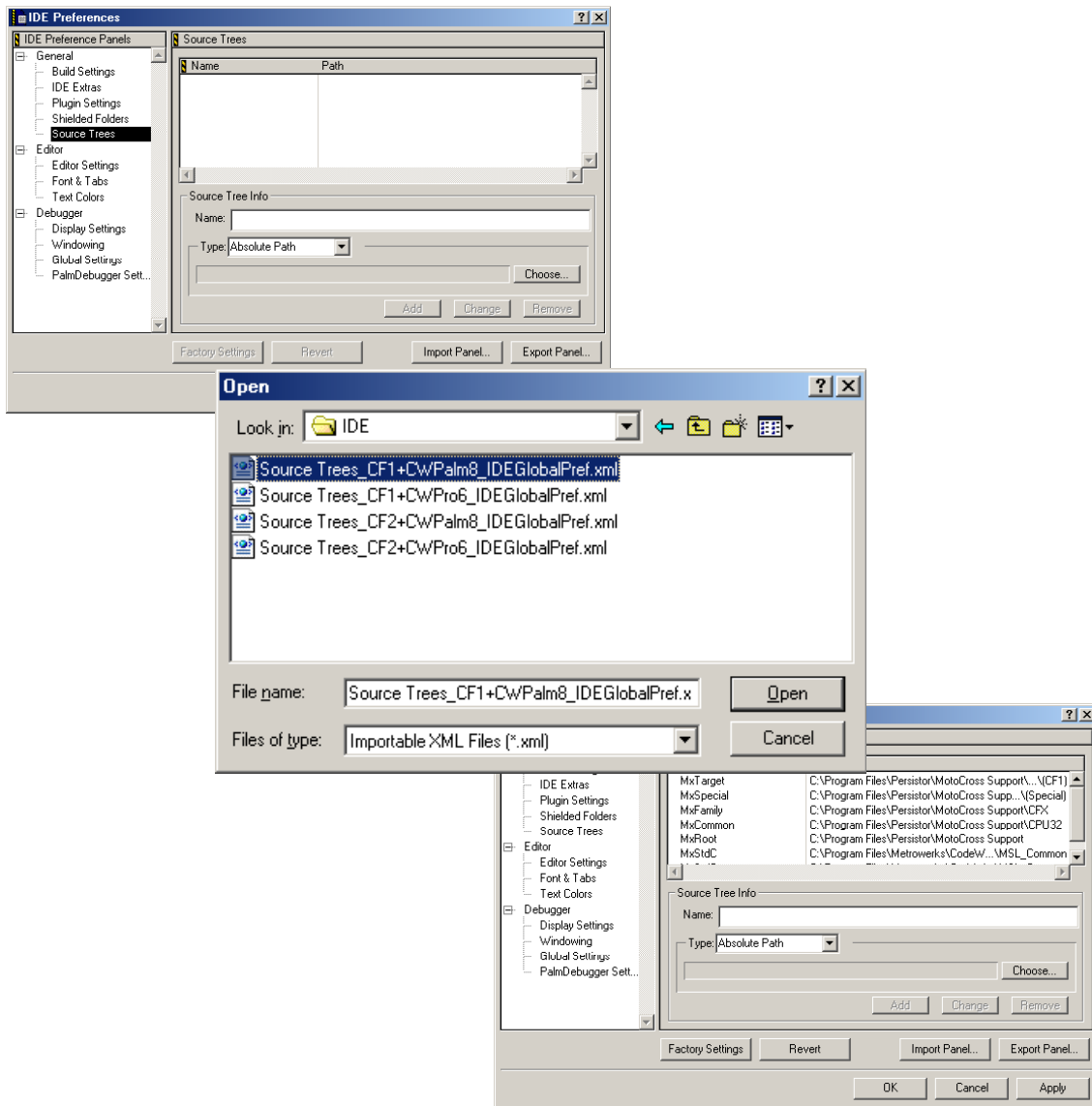
If you're updating from an earlier version, you'll need to remove or delete the old "MotoCross Support" directory. Earlier installers have uninstall problems with some Windows machines, so this may require manual deletion. This directory would most likely be residing at "C:\Program Files\Metrowerks\CodeWarrior".

Follow the directions from the original CF1 Getting Started Guide to install the new developers tools and ignore any differences in appearance between the installer pictures in the manual and the window style used by the new installer.

Setting up Source Trees

This is the one truly new step that is not covered in the Getting Started Guide. Use the screen snapshots and instructions below:

- 1) Start CodeWarrior.
- 2) Select **Preferences** from the main CodeWarrior IDE **Edit** menu
- 3) Click-select "**Source Trees**" from the IDE Preference Panels (left)
- 4) Click the **Import Panel...** button from the Source Trees pane (lower right)
- 5) Navigate to...
 - C:\Program Files\Persistor\MotoCross Support\CFX\XMLSettingsPanels\IDE
 - a. Then, for new installations with **CWPalm8**, double-click:
Source Trees_CF1+CWPalm8_IDEGlobalPref.xml
 - b. Or, for updating older CWPro6 setups, double-click:
Source Trees_CF1+CWPro6_IDEGlobalPref.xml
- 6) Click the **OK** button back in the Source Trees pane



That's it. You should now be up and running.