

Express Startup Guide for Cortex-M3

ARM RealView Developer Suite

1

Purpose. This Express Startup Guide is designed to help you install and use ThreadX for the Cortex-M3 microprocessor using ARM's RealView Developer Suite (RVDS). This guide, the ***readme_threadx.txt*** file on the distribution disk, and Chapter 2 of the ***ThreadX_User_Guide.pdf*** file contain more detailed information on getting started.

2

Installation. ThreadX for the Cortex-M3 is distributed on a single CD-ROM compatible disk. The entire source code distribution and ***readme_threadx.txt*** file can be found in the ThreadX sub-directory. To install ThreadX on your hard-disk, either run the supplied installer program ***Setup.exe*** or copy the distribution from the CD manually. To copy the ThreadX distribution manually, make a ThreadX directory on your hard-disk (we recommend C:\threadx\cortex-m3\rvds) and copy to it all the contents of the ThreadX sub-directory on the distribution disk. The following is an example MS-DOS copy command from the distribution ThreadX directory:

```
D:\threadx> xcopy /S *.* C:\threadx\cortex-m3\rvds
```

3

Building ThreadX. Building the ThreadX library is easy; simply execute the ***build_threadx.bat*** batch file from within the ThreadX directory. You should now observe the compilation and assembly of the ThreadX library. This batch file produces the ThreadX library file ***tx.a***.

4

Demonstration System. You are now ready to build the ThreadX Cortex-M3 demonstration that executes on the RVDS simulator. To build the demonstration execute the ***build_threadx_demo.bat*** batch file. You should now observe compiling and linking of the ThreadX demonstration. You are now ready to execute the demonstration on the RVDS simulator. Please also review the ***readme_threadx.txt*** file for additional information about the demonstration and other demonstrations on this distribution.

If you have any questions, please don't hesitate to ask us!