

## CONTENTS

- A. DESCRIPTION
- B. INCLUDED ON THIS CD-ROM
- C. RUNNING THE COMPILER
- D. WHERE ELSE CAN I FIND JBC?
- E. SUPPORT

### A. DESCRIPTION

-----  
The Jam Byte-Code Compiler (JBC) compiles text Jam (.jam) files into binary Jam Byte-Code (.jbc) files. JBC will compile .jam files that use version 1.0 and version 1.1-compliant Jam syntax as specified in the Jam Specification. The resulting .jbc files are smaller and can be executed faster than the text .jam file. This method of applying programming vectors also preserves all of the functionality of the text implementation. JBC compiles the text Jam commands using a stack-based "virtual machine" architecture. The resulting .jbc file is applied when read by an interpreter--the Jam Byte-Code Player. The Jam Byte-Code Player understands the byte codes for the virtual machine architecture and decodes them appropriately. Each byte code is read, decoded, and executed until the .jbc code exits. At this point, the target device or devices will be programmed.

### B. INCLUDED ON THIS CD-ROM

-----  
The following tables provide the directory structure of the files on this CD-ROM:

Directory	Filename	Description
-----	-----	-----
.	jbc.exe	32-bit executable supporting Win95 and WinNT consoles.
.	msvcrt.dll	DLLs to allow execution. Place in PATH to allow JBC to run when executed.
.	msvcirt.dll	
.	readme.txt	This document.

### C. RUNNING THE COMPILER

-----  
Execution of JBC is simple:

```
prompt> jbc <input.jam> <output.jbc>
```

For example running:

```
prompt> jbc foo.jam foo.jbc
```

results in a .jbc file called "foo.jbc" in the current working directory.

### D. WHERE ELSE CAN I FIND JBC?

-----  
The MAX+plus II software version 9.0 and later has a native Jam Byte-Code compiler. The compiler is accessed through the File | Create SVF/Jam File dialogue box.

## E. SUPPORT

-----

For additional support, contact Altera Applications by phone at (800) 800-EPLD or by e-mail at [ISPembed@altera.com](mailto:ISPembed@altera.com). For 24-hour support, visit the Atlas Solutions Database on Altera's web site (<http://www.altera.com>). Bugs or suggested enhancements can also be communicated via these channels.