

These release notes for the Viterbi Compiler version 4.3.0 contain the following information:

- System Requirements
- New Features & Enhancements
- Errata Fixed in This Release
- Obtain & Install the Viterbi Compiler
- Contact Altera
- Revision History

System Requirements

To use the Viterbi Compiler version 4.3.0, the following system requirements exist:

- A computer running any of the following operating systems:
 - Windows 2000/XP
 - Red Hat Linux 8.0
 - Red Hat Enterprise Linux 3 WS (with support for 32-bit , AMD64, or Intel EM64T workstations)
 - Solaris 8 or 9 (32-bit or 64-bit)
- Quartus® II software version 5.1 or higher
- Adobe Reader version 5.0 or higher, for viewing PDF documentation

New Features & Enhancements

The following list outlines new features and enhancements in this release:

- Preliminary support for Stratix II GX and HardCopy II devices
- Area- and memory-optimized parallel architecture
- Improvements to the Atlantic™ interface

Errata Fixed in This Release

The following errata were fixed in this release:

- Parallel Viterbi decoder fails when number of code sets ≥ 5 and $N = 2$
- Parallel Viterbi decoder may fail to assert `sink_ena_master`
- Parallel Viterbi decoder may produce spurious `source_val` assertions

For existing up-to-date errata, refer to the Viterbi Compiler version 4.3.0 errata sheet at www.altera.com/literature/es/es_viterbi_430.pdf

Obtain & Install the Viterbi Compiler

Before you can start using Altera® MegaCore functions, you must obtain the MegaCore files and install them on your computer. Altera MegaCore functions can be installed from the MegaCore IP Library CD-ROM during or after Quartus II installation, or downloaded individually from the Altera web site and installed separately.



The following instructions describe downloading and installing the Viterbi Compiler. If you have already installed the Viterbi Compiler from the MegaCore IP Library CD-ROM, skip to [“Directory Structure” on page 3](#).

Download the Viterbi Compiler

If you have Internet access, you can download MegaCore functions from Altera’s web site at www.altera.com. Follow the instructions below to obtain the Viterbi Compiler from the Internet. If you do not have Internet access, contact your local Altera representative to obtain the MegaCore IP Library CD-ROM.

1. Point your web browser to www.altera.com/ipmegastore.
2. Type **Viterbi** in the **IP MegaSearch** box.
3. Click **Go**.
4. Choose **Viterbi Compiler High-Speed Parallel Decoder** or **Viterbi Compiler, Low-Speed/Hybrid Serial Decoder** from the search results page. The product description web page displays.
5. Click **Download Free Evaluation** on the product description web page.
6. Fill out the registration form and click **Submit Request**.
7. Read the Altera MegaCore license agreement, turn on the **I have read the license agreement** check box, and click **Proceed to Download Page**.
8. Follow the instructions on the Viterbi Compiler download and installation page to download the function and save it to your hard disk.



Ensure you download the MegaCore function for the operating system on which the MegaCore function will be running.

Install the Compiler Files

This section describes how you install the Viterbi Compiler on Windows, Linux, and Solaris operating systems.

Windows

To install the Viterbi Compiler on a computer running the Windows operating system, follow these steps:

1. Choose **Run** (Start menu).
2. Type `<path name>\viterbi-v4.3.0.exe`, where `<path name>` is the location of the downloaded MegaCore function.
3. Click **OK**. The **Viterbi Compiler Installation** dialog box appears. Follow the on-screen instructions to finish installation.

Solaris & Linux

To install the Viterbi Compiler on a computer running the Solaris and Linux operating systems, follow these steps:

1. Decompress the package, by typing the following command:

```
gunzip viterbi-v4.3.0_linux.tar.gz
```

or

```
gunzip viterbi-v4.3.0_solaris.tar.gz
```

2. Extract the package, by typing the following command:

```
tar xvf viterbi-v4.3.0_linux.tar
```

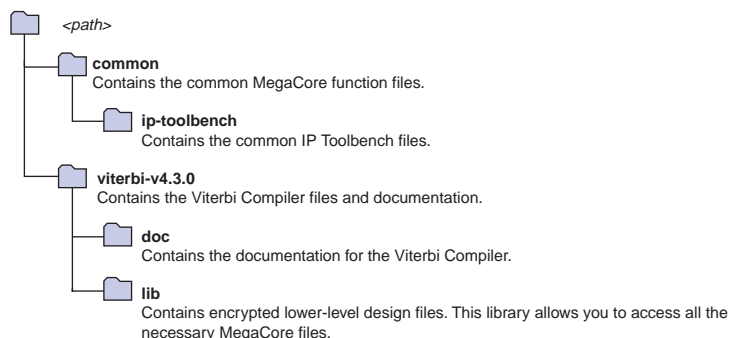
or

```
tar xvf viterbi-v4.3.0_solaris.tar
```

Directory Structure

Figure 1 shows the directory structure after you install the Viterbi Compiler, where `<path>` is the installation directory.

Figure 1. Directory Structure



Contact Altera

Although every effort has been made to ensure that this version of the Viterbi Compiler works correctly, if problems occur, use the following contact information to communicate issues to the appropriate Altera representative.

For technical support or other information about Altera products, go to the Altera world-wide web site at www.altera.com. You can also contact Altera through your local sales representative or any of the sources listed in [Table 1](#).

Information Type	USA & Canada	All Other Locations
Technical support	www.altera.com/mysupport/	www.altera.com/mysupport/
	800-800-EPLD (3753) 7:00 a.m. to 5:00 p.m. Pacific Time	+1 408-544-8767 7:00 a.m. to 5:00 p.m. (GMT -8:00) Pacific Time
Product literature	www.altera.com	www.altera.com
Altera literature services	literature@altera.com	literature@altera.com
Non-technical customer service	800-767-3753	+ 1 408-544-7000 7:00 a.m. to 5:00 p.m. (GMT -8:00) Pacific Time
FTP site	ftp.altera.com	ftp.altera.com

Revision History

Table 2 shows the revision history for the Viterbi Compiler version 4.3.0.

Version	Date	Revision
4.3.0	October 2005	See "New Features & Enhancements" on page 1.
4.2.3	–	Maintenance release.
4.2.2	–	Maintenance release.
4.2.1	–	Maintenance release.



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