

# A UTILITIES

## Overview

Your VisualDSP++ software comes with the comment conversion utility, which only runs from a command line. This utility provides support for converting legacy code developed under Release 6.1 or earlier. This appendix describes the utility and its command-line interface.

## Comment Converter

The comment converter program (`commentconverter.exe`) takes an assembler source file and converts legacy comment delimiters to C-style and C++-style comment delimiters.

When converting comments, all occurrences of "{ }" pair interpreted as comments are replaced with `/* */` comment delimiters. All occurrences of `!"` interpreted as comments are replaced with `//`. The comment converter replaces "{ }" or `!"` only when it is interpreted as a comment delimiter in the source file. Other occurrences, such as a comment within another comment, are not converted.

## Comment Converter

The conversion utility has the following command line:

```
C:\Program Files\Analog Devices\Visual DSP>commentconverter
```

```
Usage: commentconverter <inputFilename>
```

For typical usage, use the `-o` switch to direct the output:

```
commentconverter inputFilename.asm -o outputFilename.asm
```

Additional options can be used to select other comment formats to be interpreted by the converter. These options appear in the help screen (`-help`), as follows in [Table A-1](#).

Table A-1. Commentconverter Command-Line Switches

| Switch             | Description                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -csall             | Detects all supported commenting styles:<br>-cs{        "{ }" style comments<br>-cs/*       "/* */" style comments<br>-cs!        "!" style comments<br>-cs//       "//" style comments |
| -help              | Displays a list of switches                                                                                                                                                             |
| -noinfo            | Turns off informational messages                                                                                                                                                        |
| -nowarn            | Turns off warning and informational messages                                                                                                                                            |
| -o <i>filename</i> | Outputs named converted file                                                                                                                                                            |
| -rsall             | Replaces "{ }" and "!" style comments                                                                                                                                                   |
| -rs{               | Replaces "{ }" style comments                                                                                                                                                           |
| -rs!               | Replaces "!" style comments                                                                                                                                                             |

Table A-1. Commentconverter Command-Line Switches (Cont'd)

| Switch     | Description                                |
|------------|--------------------------------------------|
| -v[erbose] | Displays the tool command line and version |
| -version   | Displays tool version                      |

By default, the comment converter recognizes all comment delimiters (-csall) and replaces both "{ }" and "!" comment formats (-rs{, rs!).

-no preceding cs and rs switches turns off recognition of commenting styles.

Example:

```
{ start of a comment
  more comment
  end of a comment
}

label: NOP;    // no code here!

! start of a comment {single line}
```

Once the utility is run with the default options, the example converts to:

```
/* start of a comment
  more comment
  end of a comment
*/

label: NOP;    // no code here!

// start of a comment {single line}
```

