ds33 HEX Rectifier
GUI manual

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Introduction

ds33 HEX rectifier

ds33 HEX merger is an utility that brings order in hex files produced by a Microchip tool suite.

Prerequisites and Requirements

ds33 HEX rectifier requires a .NET 2.0 framework such as Microsoft .NET or Mono.

Trademarks

All rights to copyrights, registered trademarks, and trademarks reside with their respective owners.

Usage

Select input files

Use the browse button to select the hex to rectify.

Select output file

Use the browse button to enter the filename of the resulting hex file. When the button is pressed, a filename is suggested in the same directory as the input hex file.

Select device

Use the two combo boxes to select the device for which the input file was generated for.

Select which memories to include in the rectified file

Use the checkboxes to select which memories should be included in the rectified file. Checkboxes may be grayed out for different reasons:

- The input hex file doesn't contain the memory
- ds30 Loader doesn't support writing the memory for the selected device

Start rectification

Click the rectify button. If all goes well, the text "Rectification successfully completed" will appear in the output textbox.

Window elements

The application consists of three parts; menus, settings, and the output text box.

Menus

File\Exit

Saves all settings and closes the application.

Options\Debug mode

When debug mode is enabled, additional information is outputted during parsing of the hex file.

Options\Create console command

Creates a command that may be used with the ds33 HEX Rectifier console application. The command is copied to the clip board.

View\Always on top

When checked, the window stays on top of other windows even when not active.

View\Settings directory

Opens the directory where the setting files are stored.

Help\About…

Opens the about window.

Settings

In file

The hex file to be rectified.

Out file

The file name of the rectified hex file.

Device

The Microchip device for which the input hex file was created.

Boot flash

Includes the boot/aux flash data when checked.

Flash

Includes the main flash data when checked.

EEPROM words

Includes EEPROM words when checked.

Configuration words

Includes configuration words when checked. When they are located at the end of the main flash the entire last flash page is excluded if the checkbox is not checked.

Don't export empty pages

Flash pages that only contain 0xff are not exported. This may reduce the output file size and boot loading times.

Output text box

Information, warnings and errors are outputted to this text box.

Appendix A – Links

ds30 Loader homepage
https://ds30loader.com