



About this release note

This release note contains information about the latest version of the STM32 ST-LINK Utility software:

- New features
- Improvements
- Program corrections
- Known problems in current version

Table 1. Applicable tools

| Type | Part number |
|-------------------|---------------------|
| Development tools | ST-LINK, ST-LINK/V2 |

New features

Version 2.5

- Added support of STM32F42x/STM32F43x series Cortex™-M4.
- Added support of drag-and-drop file opening.
- Added HotPlug Connect feature (Connect to target without halt or reset).
- Added Context Menu and Edit Menu for Cut/Copy/Paste/Delete operation on file and device memory.
- Added support of Memory LiveUpdate feature.
- Added support of Find data feature (find in ASCII and HEX).
- Added support of Fill Memory feature (fill with Byte, Word or DoubleWord in file and device memory).

Version 2.4

- Added support of STM32 F3 series Cortex™-M4.
- Added support of STM32L medium density plus Cortex™-M3.
- Added support of STM32F050 Entry-level Cortex™-M0 microcontrollers.
- Comparison between two files (Hex, SREC or Bin files).
- Support of "Reset after programming" option.

Version 2.3

- Added support of STM32 F4 series Cortex™-M4 revision Z.
- Added support of STM32L Cortex™-M3 EEPROM data memory programming.
- Added support of STM32 F0 series Entry-level Cortex™-M0 microcontrollers.
- Save file in Intel Hex and Motorola S-record file format.
- Address TextBox replaced by a ComboBox with history saving.

Version 2.2

- Added support of STM32 F4 series of high-performance microcontrollers with DSP and FPU instructions.
- Added support of STM32W 32-bit RF microcontrollers.
- Added support of “Connect under reset” option.
- Flash modification via GUI and CLI commands.
- Added support of hardware reset in CLI mode.

Version 2.1

- ST-LINK/V2 support.
- Added support for STM32 F2 series microcontroller programming modes.
- Connected MCU revision ID Display.
- ST-LINK and ST-LINK/V2 firmware upgrade to V1J12S3 and V2J14S3, respectively.

Version 2.0

- Support of Intel Hex file and Motorola S-record file format.
- Command line interface.
- Automatic Mode: Programming and configuring STM32 devices in loop.
- Flash memory Blank Check.
- Compare the contents of the Flash memory with files.
- ST-LINK firmware upgrade to V1J11S3.

Version 1.3

- Added support for STM32 L1 ultralow power 32-bit microcontroller devices.
- Added support for STM32 F2 series microcontroller devices.

Version 1.2

- Added support of XL-density devices.

Version 1.1

- Added support of Serial Wire Debug (SWD) interface.

Version 1.0

- Initial release.

Improvements

Version 2.5

- Enhancement of device memory modification from the memory grid.

Version 2.4

- Enhanced display of File/Flash comparison.

Version 2.3

- Added Tooltip in the option bytes window.
- Enable/Disable progress bar display in ST-LINK CLI (STM32 ST-LINK Utility command line interface).
- Added support of programming at unaligned addresses.
- Different error codes return for each type of problem in CLI mode.
- “Connect under reset” option is now available in JTAG mode.

Version 2.2

- -w8 and -w32 CLI commands are able to program Flash memory.
- The Flash memory can be modified from the GUI even when it is not erased.

Version 2.1

- Automatic MCU voltage check with ST-LINK/V2.

Version 2.0

- Faster switch between device memory display and file display.
- Connection management enhancement.
- Core status displayed in the MCU Core window.

Version 1.3

- Flash mass erase and Option bytes programming progress display.

Version 1.2

- Connection management enhancement.

Version 1.1

- Connection error management enhancement.
- Debug interface and connection status display.

Version 1.0

- Initial release.

Program corrections

Version 2.5

- None.

Version 2.4

- Fix STM32W108CC WRP granularity.
- Fix loading Hex file adjacent segments.
- Display R0 register in Core window.

Version 2.3

- CLI return code issue fixed.

Version 2.2

- None.

Version 2.1

- Binary file save issue resolved with Windows7.

Version 2.0

- Flash size is ignored for STM32 F2 series 32-bit microcontroller devices.

Version 1.3

- None.

Version 1.2

- None.

Version 1.1

- Corrected “STM32 ST-LINK Utility user manual.pdf” name format at start Menu.

Version 1.0

- Initial release.

Known problems in current version

None.

Customer support

Software released previously is documented internally and available upon request.

For more information, see the [STM32 ST-LINK utility user manual \(UM0892\)](#) and visit our website at www.st.com.

Revision history

Table 2. Document revision history

| Date | Product Revision | Document Revision | Changes |
|-------------|------------------|-------------------|---|
| 01-Aug-2011 | 2.1 | 1 | Initial release. |
| 18-Oct-2011 | 2.2 | 2 | Added Version 2.2 with support of STM32 F4 and STM32W series and attributes in New features and Improvements . |
| 11-May-2012 | 2.3 | 3 | Added Table 1: Applicable tools . Added Version 2.4 with support of STM32 F0 series and attributes in New features and Improvements . |
| 29-May-2012 | 2.3 | 4 | Updated New features on page 1 , Improvements on page 3 and Known problems in current version on page 4 . |
| 05-Oct-2012 | 2.4 | 5 | Updated New features on page 1 , Improvements on page 3 and Program corrections on page 4 . |
| 11-Jan-2013 | 2.5 | 6 | Updated New features on page 1 , Improvements on page 3 , Program corrections on page 4 and Known problems in current version on page 4 . |

Please Read Carefully:

Information in this document is provided solely in connection with ST products. STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, modifications or improvements, to this document, and the products and services described herein at any time, without notice.

All ST products are sold pursuant to ST's terms and conditions of sale.

Purchasers are solely responsible for the choice, selection and use of the ST products and services described herein, and ST assumes no liability whatsoever relating to the choice, selection or use of the ST products and services described herein.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted under this document. If any part of this document refers to any third party products or services it shall not be deemed a license grant by ST for the use of such third party products or services, or any intellectual property contained therein or considered as a warranty covering the use in any manner whatsoever of such third party products or services or any intellectual property contained therein.

UNLESS OTHERWISE SET FORTH IN ST'S TERMS AND CONDITIONS OF SALE ST DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY WITH RESPECT TO THE USE AND/OR SALE OF ST PRODUCTS INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE (AND THEIR EQUIVALENTS UNDER THE LAWS OF ANY JURISDICTION), OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

UNLESS EXPRESSLY APPROVED IN WRITING BY TWO AUTHORIZED ST REPRESENTATIVES, ST PRODUCTS ARE NOT RECOMMENDED, AUTHORIZED OR WARRANTED FOR USE IN MILITARY, AIR CRAFT, SPACE, LIFE SAVING, OR LIFE SUSTAINING APPLICATIONS, NOR IN PRODUCTS OR SYSTEMS WHERE FAILURE OR MALFUNCTION MAY RESULT IN PERSONAL INJURY, DEATH, OR SEVERE PROPERTY OR ENVIRONMENTAL DAMAGE. ST PRODUCTS WHICH ARE NOT SPECIFIED AS "AUTOMOTIVE GRADE" MAY ONLY BE USED IN AUTOMOTIVE APPLICATIONS AT USER'S OWN RISK.

Resale of ST products with provisions different from the statements and/or technical features set forth in this document shall immediately void any warranty granted by ST for the ST product or service described herein and shall not create or extend in any manner whatsoever, any liability of ST.

ST and the ST logo are trademarks or registered trademarks of ST in various countries.

Information in this document supersedes and replaces all information previously supplied.

The ST logo is a registered trademark of STMicroelectronics. All other names are the property of their respective owners.

© 2013 STMicroelectronics - All rights reserved

STMicroelectronics group of companies

Australia - Belgium - Brazil - Canada - China - Czech Republic - Finland - France - Germany - Hong Kong - India - Israel - Italy - Japan - Malaysia - Malta - Morocco - Philippines - Singapore - Spain - Sweden - Switzerland - United Kingdom - United States of America

www.st.com