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| |  | | --- | | [Back to Release page](http://docs.google.com/Release_Notes.html) | | **Release Notes for STM32 USB Host Library** Copyright 2014 STMicroelectronics |      |  | | --- | | ***Update History*****V3.2.0 / 04-November-2014** **Main Changes**   * Update all drivers to be C++ compliant * Core driver   + usbh\_core.c: remove HOST\_IDLE state in *USBH\_LL\_Connect()* function * MSC class   + Update to manage correctly older USB Keys that do not support GetMaxLun request * Miscellaneous source code comments update  **V3.1.0 / 19-June-2014** **Main Changes**   * Core driver   + Add a new define *USBH\_PROCESS\_STACK\_SIZE* in the *usbh\_conf.h* file to change the default internal USB host process stack. Note that by omitting this define, the default stack size (2KB) is used   + Add a user callback to handle unrecoverable error case in the application   + Remove the wrong check on the interface descriptor index in the *USBH\_FindInterface()* function * All classes   + Update class description in files comment by adding reference to the used USB class specification revision * Audio, CDC and MTP classes   + Add full RTOS support by handling state transitions through OS messages * HID class   + Add new API *USBH\_HID\_GetPollInterval()* to allow user to retrieve the needed poll time (interval between two *USBD\_HID\_SendReport()*) * Audio class   + Add a new weak callback *USBH\_AUDIO\_BufferEmptyCallback()* to indicate the end of audio data processing on the user buffer * MSC class   + Return mass storage device capacity in Bytes in the user log message instead of MBytes  **V3.0.0 / 18-February-2014** **Main Changes**   * Major update based on STM32Cube specification: Library Core, Classes architecture and APIs modified vs. V2.1.0, and thus the 2 versions are not compatible. * **This version has to be used only with STM32Cube based development**  **V2.1.0 / 19-March-2012** **Main Changes**   * Official support of ***STM32F4xx*** devices * All source files: license disclaimer text update and add link to the License file on ST Internet * Add ISR structure to link the low level driver to the Host library * Change length parameter in the I/O operations to handle large amount of data * Enhance the configuration descriptor parsing method to take into account multi interface devices * HID class   + Remove blocking even frame synchronization loop * MSC class   + Handle correctly the BOT transfer with length < max length   + Handle multi sector length data in the FAT FS interface * Miscellaneous bug fix  **V2.0.0 / 22-July-2011** **Main Changes**   * Second official version supporting STM32F105/7 and STM32F2xx devices * Add support for ***STM32F2xx*** devices * Add multi interface feature * Add dynamic configuration parsing * Add USBH\_DeAllocate\_AllChannel function in the Host channel management layer to clean up channels allocation table when de-initializing the library * Change the core layer to stop correctly the host core and free all allocated channels * Add usbh\_conf.h file in the application layer to customize some user parameters  **V1.0.0 - 11/29/2010**  * Created  ***License*** Licensed under MCD-ST Liberty SW License Agreement V2, (the "License"); You may not use this package except in compliance with the License. You may obtain a copy of the License at:  <http://www.st.com/software_license_agreement_liberty_v2>  Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS,  WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.  For complete documentation on STM32 Microcontrollers visit [www.st.com/STM32](http://www.st.com/internet/mcu/family/141.jsp) | |