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| |  | | --- | | [Back to Release page](http://docs.google.com/Release_Notes.html) | | **Release Notes for STM32 USB Device Library** Copyright 2015 STMicroelectronics |      |  | | --- | | ***Update History*****V2.4.0 / 28-February-2015** **Main Changes**   * Core Driver   + Add support of ***Link Power Management (LPM)***: add new API *GetBOSDescriptor()*, that is used only if *USBD\_LPM\_ENABLED* switch is enabled in usbd\_conf.h file   + usbd\_core.c: Fix bug of unsupported premature Host Out stage during data In stage (ie. when endpoint 0 maximum data size is 8 and Host requests GetDeviceDescriptor for the first time)   + usbd\_ctlreq.c: Fix bug of unsupported Endpoint Class requests (ie. Audio SetCurrent request for endpoint sampling rate setting) * HID Class   + Updating Polling time API *USBD\_HID\_GetPollingInterval()* to query this period for HS and FS   + usbd\_hid.c: Fix USBD\_LL\_CloseEP() function call in USBD\_HID\_DeInit() replacing endpoint size by endpoint address. * CDC Class   + usbd\_cdc.c:     - Add missing GetInterface request management in USBD\_CDC\_Setup() function     - Update USBD\_CDC\_Setup() function to allow correct user implementation of CDC\_SET\_CONTROL\_LINE\_STATE and similar no-data setup requests.  **V2.3.0 / 04-November-2014** **Main Changes**   * Update all drivers to be C++ compliant * CDC Class   + usbd\_cdc.c: fix clear flag issue in *USBD\_CDC\_TransmitPacket()* function   + usbd\_cdc\_if\_template.c: update *TEMPLATE\_Receive()* function header comment * Miscellaneous source code comments update  **V2.2.0 / 13-June-2014** **Main Changes**   * Source code comments review and update * HID class   + Remove unused API *USBD\_HID\_DeviceQualifierDescriptor()*   + Add a new API in the HID class to query the poll time *USBD\_HID\_GetPollingInterval()* * CDC class   + Bug fix: missing handling ZeroLength Setup request * All classes   + Add alias for the class definition, it's defined as macro with capital letter   ex. for the HID, the *USBD\_HID\_CLASS* macro is defined this way *#define USBD\_HID\_CLASS  &USBD\_HID*    and the application code can use the previous definition: *&USBD\_HID* ex. *USBD\_RegisterClass(&USBD\_Device, &USBD\_HID)* or the new *USBD\_HID\_CLASS* ex. *USBD\_RegisterClass(&USBD\_Device, USBD\_HID\_CLASS)* **V2.1.0 / 22-April-2014** **Main Changes**   * usbd\_conf\_template.c: update file with the right content (it was using MSC memory management layer) * usbd\_conf\_template.h: change include of *stm32f4xx.h* by *stm32xxx.h* and add comment to inform user to adapt it to the device used * Several enhancements in CustomHID class   + Update the Custom HID class driver to simplify the link with user processes   + Optimize the Custom HID class driver and reduce footprint   + Add *USBD\_CUSTOM\_HID\_RegisterInterface()* API to link user process to custom HID class   + Add Custom HID interface template file *usbd\_customhid\_if\_template.c/h* * Miscellaneous comments update  **V2.0.0 / 18-February-2014** **Main Changes**   * Major update based on STM32Cube specification: Library Core, Classes architecture and APIs modified vs. V1.1.0, and thus the 2 versions are not compatible. * **This version has to be used only with STM32Cube based development**  **V1.1.0 / 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. * Handle test mode in the set feature request * Handle dynamically the USB SELF POWERED feature * Handle correctly the USBD\_CtlError process to take into account error during Control OUT stage * Miscellaneous bug fix  **V1.0.0 / 22-July-2011** **Main Changes**   * First official version for ***STM32F105/7xx*** and ***STM32F2xx*** devices  ***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) | |