

Windows SDK

Release Notes

RFID/Barcode Remote SDK
Ver. 1.08.00



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Revision History

Change	Date	Description
Ver.1.00.00	2020/06/22	1 st Release
Ver.1.01.00	2020/07/06	SDK v1.01.00 release
Ver.1.02.00	2020/07/10	SDK v1.02.00 release
Ver.1.03.00	2020/08/11	SDK v1.03.00 release
Ver.1.03.01	2020/10/15	SDK v1.03.01 release
Ver.1.04.00	2021/05/15	SDK v1.04.00 release
Ver.1.05.00	2021/07/06	SDK v1.05.00 release
Ver.1.06.00	2022/01/06	SDK v1.06.00 release
Ver.1.07.00	2022/04/15	SDK v1.07.00 release
Ver.1.08.00	2022/09/16	SDK v1.08.00 release

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1. Requirements

■ Supported Operating Systems

The requirements for APULSETECH Windows remote SDK are as shown below.

- ① Windows 10 and 11

■ Supported Hardware

- ① α611, α711, α712, α811 handheld readers
- ② α211, α212, α213 RFID reader modules and module-based devices

■ Supported IDE Environments.

- ① Visual Studio 2019 and 2022
- ② .NET Core 3.1, .NET Framework 4.5.2/4.6.1, .NET 5/6(.NET 6 supported by Visual Studio 2022 only) or higher

2. Release History

For details about the changes in each release, please refer to the summary of version history.

■ V1.08.00

New Features

[Barcode]

- Added character set configuration support for barcode decoding in demo app.

[RFID]

- Added E2S module and reader module-based device support.
- Added module protocol packet log support.
- Added firmware manual recover mode and automatic corrupted firmware recovery support.
- Added OEM parameter configuration and saving support for antenna port sensing.
- Added register access support in demo app.

[Common]

- Integrated support for .Net Framework 4.5.2 and 4.6.1, .Net Core 3.1, .Net 5 and 6.
- Added sound play and vibrator control API support for a remote device.
- Added WiFi remote device search support with any name.

Issue Fixes

[Barcode]

[RFID]

- Improved the stability of firmware download.
- Fixed chart display issue on .Net Core, .Net 5 and 6 platforms for tag trace in demo app.

[Common]

- Improved connection speed of direct connect APIs for a remote device.
- Resolved time and locale synchronization issue with a remote device.
- Addressed USB bulk connection problem on .Net Core, .Net 5 and 6 platforms.
- Improved tray icon display problem in demo app.
- Improved demo app stability.
- Minor fixes and improvements.

Known Issues

[Barcode]

[RFID]

[Common]

■ V1.07.00

New Features

[Barcode]

[RFID]

- Added expanded antenna port index support.

[Common]

- Added .Net Core 3.1 and .Net 5/6 support.
- Added boot sound management support for a remote device.

Issue Fixes

[Barcode]

[RFID]

- Improved inventory stop delay.
- Increased the max. data length of write and blockWrite to 32 and 256 words respectively.
- Improved RF mode configuration.

[Common]

Known Issues

[Barcode]

[RFID]

[Common]

■ V1.06.00

New Features

[Barcode]

- Added configuration barcode support.

[RFID]

- Added EPCglobal Gen2V2 command support.
- Added direct connection support for a RFID reader module.

[Common]

Issue Fixes

[Barcode]

[RFID]

- Improved the range of an offset parameter for some APIs.

[Common]

- Improved packet compatibility to previous version.
- Applied the lower limit of timeout value to avoid connection timeout issues.
- Improved packet version handling.
- Addressed the issue that the packet version information is not retrieved properly with BLE interface when using remote scanner.
- Minor fixes and improvements.

Known Issues

[Barcode]

[RFID]

[Common]

■ **V1.05.00**

New Features

[Barcode]

[RFID]

[Common]

- Added remote packet V2(partial packet compression) support.
- Added remote sound setting APIs.

Issue Fixes

[Barcode]

[RFID]

[Common]

- Improved remote scanning and added independent scan API support for each interface.

Known Issues

[Barcode]

[RFID]

[Common]

■ **V1.04.00**

New Features

[Barcode]

[RFID]

[Common]

- Added dynamic module mapping support for common function key.
- Added time zone and time sync. Support.

Issue Fixes

[Barcode]

[RFID]

- Improved data handling reliability.

[Common]

- Improved APIs and demos for states and function sync of a remote device.

Known Issues

[Barcode]

[RFID]

[Common]

■ **V1.03.01**

New Features

[Barcode]

[RFID]

[Common]

- Updated SDK documents.

Issue Fixes

[Barcode]

[RFID]

[Common]

Known Issues

[Barcode]

[RFID]

[Common]

■ **V1.03.00**

New Features

[Barcode]

[RFID]

[Common]

- Added OS update function.
- Added history list support for remote devices.

Issue Fixes

[Barcode]

[RFID]

[Common]

Known Issues

[Barcode]

[RFID]

[Common]

■ V1.02.00

New Features

[Barcode]

[RFID]

[Common]

- Added the remote configuration API support for inventory mode.

Issue Fixes

[Barcode]

[RFID]

[Common]

Known Issues

[Barcode]

[RFID]

[Common]

■ V1.01.00

New Features

[Barcode]

[RFID]

[Common]

- Added the remote query API support for inventory mode.
- Added setting event supports for a remote device.

Issue Fixes

[Barcode]

[RFID]

[Common]

- Increased the scan delay for USB mode switching of a remote device scanner from 1s to 2s.

Known Issues

[Barcode]

[RFID]

[Common]

■ **V1.00.00**

New Features

[Barcode]

[RFID]

[Common]

- First release.

Issue Fixes

[Barcode]

[RFID]

[Common]

Known Issues

[Barcode]

[RFID]

[Common]

3. Customer Support

1) Technical Support

Please visit APULSETECH website for technical support. You can report your issues and get its answers. Also, you can get all the latest information and updates for products and its software.

2) Feedback

Please send us your feedbacks about APULESTECH products.