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RS9116 Bluetooth LE SDK Version 2.14.1 (August 7, 2026) - Release Notes

RS9116

Release Summary

[Key Features](#) | [API Changes](#) | [Bug Fixes](#) | [Chip Enablement](#)

Key Features

None

API Changes

None

Bug Fixes

- Fixed `rsi_ble_connect_cancel()` handling to ensure that the connection callback reports error status 0x4E02, indicating that the ongoing BLE connection attempt was canceled.
- Fixed an issue where `rsi_ble_connect_cancel()` returned error 0x4E0C when canceling a connection attempt without receiving a connection callback during extended advertising and scanning.

Chip Enablement

None

Key Features

[New Features](#) | [Enhancements](#) | [Removed Features](#) | [Deprecated Features](#)

Note: See [Feature Matrix](#) for a list of any applicable APIs, examples, software variants, modes, hardware, and host interfaces for each feature.

New Features

None

Enhancements

None

Removed Features

None



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API Changes

[New APIs](#) | [Modified APIs](#) | [Removed APIs](#) | [Deprecated APIs](#)

New APIs

None

Modified APIs

None

Removed APIs

None

Deprecated APIs

None

Bug Fixes

ID	Issue Description	GitHub / Salesforce Reference (if any)	Affected Chip Revision, Hardware, Host Interfaces
1631667	Fixed rsi_ble_connect_cancel() handling to ensure that the connection callback reports error status 0x4E02, indicating that the ongoing BLE connection attempt was canceled.	None	- Hardware boards: All - Chip revision: 1.5 - Host interface: UART, SPI, USB
1655533	Fixed an issue where rsi_ble_connect_cancel() returned error 0x4E0C when a connection attempt was canceled without receiving a connection callback during extended advertising and scanning.	None	- Hardware boards: All - Chip revision: 1.5 - Host interface: UART, SPI, USB

Removed Examples

None

Deprecated Examples

None

Known Issues and Limitations

ID	Issue or Limitation Description	GitHub / Salesforce Reference (if any)	Workaround (if any)	Affected Chip Revision, Hardware Modules, Host Interfaces
1633218	When the RC clock is enabled, the DUT stops BLE advertising at -20 °C. This issue is observed only on the A7 board.	None	None	- Hardware boards - A7 - Chip revisions - 1.5 - interface - All
1780161	The connect_cancel API returns a firmware timeout error (0x103) during the extended advertising and scanning scenario without a connection callback	None	None	Hardware boards: All

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				Notes
	when the remote device is located around 20 meters away.			• Chip revision: 1.5 • Host interface: UART, SPI, USB
NA	The 9116 uses a software-based HRNG for BLE operations because the on-chip Hardware Random Number Generator (HRNG) may exhibit limited entropy or repeated output patterns under certain operating conditions.	None	None	• Hardware boards - All • Chip revisions - All • Interface - All

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