

## Release History

<b>Version</b>	<b>Release Date</b>	<b>By</b>
1.4.6	2025/09/08	JW Lee
1.4.5	2025/06/16	JW Lee
1.4.4	2025/04/10	JW Lee
1.4.3	2025/03/25	JW Lee
1.4.2	2025/03/04	JW Lee
1.4.1	2025/02/26	JW Lee
1.4.0	2025/01/24	JW Lee
1.3.0	2024/12/31	JW Lee
1.2.0	2024/12/09	JW Lee
1.1.9	2024/06/26	JW Lee
1.1.8	2024/03/14	JW Lee
1.1.7	2023/12/05	JW Lee
1.1.6	2023/10/13	JW Lee
1.1.5	2023/09/06	JW Lee
1.1.4	2023/06/27	HS Seo
1.1.3	2023/05/16	HS Seo
1.1.2	2023/03/15	JW Lee
1.1.1	2023/02/01	JW Lee
1.1.0	2022/12/20	JW Lee
1.0.9	2022/11/29	Hana Han
1.0.8	2022/10/27	Hana Han
1.0.7	2022/10/21	Yekyung Jung
1.0.6	2022/09/15	Yekyung Jung
1.0.5	2022/09/07	Yekyung Jung
1.0.4	2022/08/29	Yekyung Jung
1.0.3	2022/08/25	Yekyung Jung
1.0.2	2022/08/18	Yekyung Jung
1.0.1	2022/08/04	Yekyung Jung
1.0.0	2022/07/22	YeKyung Jung

## **Version 1.4.6**

### **Notes**

- Add APIs(SB\_GetSupportedDevicesInfo/ BC\_GetSupportedDevicesInfo)

## **Version 1.4.5**

### **Notes**

- Change in Method for Setting Host Device Internal RFID Region
- Reduction of Internal RFID Module Power Consumption

## Version 1.4.4

### Notes

- Add Exxx RFID cmd Error code(E710\_ERROR\_UNKOWN\_CODE = -48)
- Add Bulk encoding APIs(RF\_PerformInventoryEncoding/ RF\_StopInventoryEncoding/ RF\_SetEncodeInformation)

## Version 1.4.3

### Notes

- Add API to enable/disable Gen2/Gen2X/GEN2\_GEN2X protocol.  
( RF\_SetRFIDProtocolType/RF\_GetRFIDProtocolType)
- Add API to know 'PAM Dead' status(RF\_StartCarrierWave/RF\_StopCarrierWave)

## Version 1.4.2

### Notes

- Changed synchronize method

## **Version 1.4.1**

### **Notes**

- Fixed to avoid broadcast register exception and timer exception

## Version 1.4.0

### Notes

- Add synchronized block
- Fixed an issue where default Power value was not being set(RFR901/RFF971/HF550XR)
- Fixed malfunction issue during consecutive Bulk Write operations(RFR901/RFF971/HF550XR)
- Fixed channel length to 6





## Version 1.3.0

### Notes

- Modified available to use BT\_Enable/BT\_Disable API from A13 or above (only Bluebird Device)
- Chang RF\_PerformInventoryWithRssiLimitation inventory's range from "-81" to "-100"

## Version 1.2.0

### Notes

- Added write new api(RF\_BulkWrite, RF\_WriteSwitchMode).
- Internal Update and bug fixes
- Changed booting delay time from '500' to '700' after reboot(Only RFR900)
- Fixed min/max singulation code logic(Only RFR971/901)
- Added code to avoid crash
- Added message that send to app side's handler to distinguish WRITE APIs messages between 'RF\_Write' and 'RF\_BulkWrite'
- Changed logic that call every app's "SD\_Close" API before "SD\_Open"
- Changed ISRAEL channel from 916250 to 916300
- Added IRAQ ISO code

### New Features

#### 1. APIs

► RF\_BulkWrite(...)

: Writes to a specified bulk or simple memory bank of tag

►RF\_WriteSwitchMode(...)

: Writes to access password of a specific tag with private or normal mode

## Version 1.1.9

### Notes

- change CHILE channel in RFR900(913.25~918.75(12), space:500kHz)
- add PARAGUAY region
- fixed logic for Lock mask argument Error
- fixed logic for BT ACL\_DISCONNECT crash
- fixed switching between barcode and rfid issue
- fixed NoSuchMethodError when SLED open

## **Version 1.1.8**

### **Notes**

- fixed custom inventory
- fixed internal connection(open/connect)
- classify write(access)-msg
- change registerReceiver for A14

## **Version 1.1.7**

### **Notes**

- fixed to get host-device-serial-number support for A12/A13
- add compatibility for HF550XR old/new serial number  
(old serial number: HF550XANLBJ2R(J2), HF550XANLHWR(EU),  
HF550XANLCR(EU), HF550XANLHNR(FCC))

## **Version 1.1.6**

### **Notes**

- Add RF MODE 4
  - : RF MODE 4 is operated only when the following two conditions are satisfied.
    - 1)RFID VERSION 205230904 or higher
    - 2)Models using E710 CHIP (RFR901/HF550XR etc)
- Add new Serial(RFR971-XXX, RFR971S-XXX)

## **Version 1.1.5**

### **Notes**

- Add HF550XR internal RFID power/region limit
- (Only RFR900)Change CHILE power(30dbm-> 27dbm)/channel(913 ~ 921)

## Version 1.1.4

### Notes

- Add get host serial number function.
- Internal Update and bug fixes

### New Features

#### 2. APIs

- ▶ SD\_GetHostSerialNumber()  
: Gets the serial number of the HOST Device.

### Resolved Issues

- Add API for host serial number.
- Change SINGAPORE power limit from 30 to 26
- Change PAKISTAN channel and power limit from 30 to 22
- [Only RFR900]Change SINGAPORE power limit from 30 to 26, channel count 4 to 6, start pre : 923 to 920
- Compatible channel for RFR900.



## Version 1.1.3

### Notes

- Add EPC decode value in inventory.
- Add LBT function in RFR901 device.
- Internal Update and bug fixes

### New Features

#### 3. APIs

- ▶ RF\_PerformInventory(boolean turboMode, Boolean enableSelection, Boolean ignorePC, boolean isEPCDecode)  
: Performs the inventory operation with EPC decode data according to isEPCDecode param condition.

### Resolved Issues

- Fixed frequency calculate issue.
- Fixed 'RF\_BlockPermalock' API issue.
- Fixed firmware update issue.
- Change power limit value to 26 for INDONESIA
- Change values for INDONESIA in RFR900
  - >> Change power limit value to 26.
  - >> Change channel count value to 6.
  - >> Change start channel frequency value to 920.

## Version 1.1.2

## Resolved Issues

- Change power limit value to 30 for Egypt
- Add Internal RFID type condition for 'SD\_GetType()'.

## **Version 1.1.1**

### **Resolved Issues**

- Fixed RFR901 Inventory's RSSI limit issue.

## **Version 1.1.0**

### **Resolved Issues**

- Add RFR901 mask length bit compatibility.
- Add Exception handling for unsupported Selection function by FW version

## Version 1.0.9

### Notes

- Update API for SD\_UpdateSLEDFirmware with Uri.
- Update API for RF\_UpdateSLEDFirmware with Uri.
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### Information

- RF\_PerformInventory (boolean turboMode, boolean enableSelection, boolean ignorePC)  
: Optimal RF configuration value.
- RF\_PerformInventoryWithLocating (boolean turboMode, boolean enableSelection, boolean ignorePC)  
: Optimal RF configuration value.

### Resolved Issues

- Change power limit value to 30 for Israel.

## **Version 1.0.8**

### **Notes**

- Update API for SLED Type

### **Resolved Issues**

- Change power limit value to 30 for Israel.

## Version 1.0.7

### Notes

- Internal Update and bug fixes

### Resolved Issues

- Fixed problems that timeout occur during the Sled/Module Firmware update operation (RFR901 only)
- Fixed errors that occur when running SD\_Connect API without RFR attached in a lower version that the OS version specified below.  
>> [A9/A10]All, [A7]20180218~, [A6]20180130~, [A5]20180129

## **Version 1.0.6**

### **Notes**

- Internal Update and bug fixes

### **Resolved Issues**

- Existing: There was an intermittent error in inventory operation due to postmach setting applied during selection setting (RFR900 only)
- Modified : Modify so that the existing selection and postmatch settings are not affected during inventory



## **Version 1.0.5**

### **Notes**

- Internal Update for performance

## **Version 1.0.4**

### **Notes**

- Internal Update

### **Information**

- BC\_ResumeBarcode(BCResumeListener resumeListener)  
: For devices that do not support BC Barcode, return -36(Not Support) through the listener (It's also related to the OS image version)

### **Resolved Issues**

- Fix the bug when connecting BT with third party device.

## **Version 1.0.3**

### **Notes**

- Internal Update for performance

## Version 1.0.2

### Notes

- Update API for Bluetooth connect

### New Features

1. APIs
  - ▶ BT\_Connect(String address, String deviceType)
    - : Connect Bluetooth device with bt address & type information
    - : It is mainly used when connecting using NFC or QR Code
2. Constants
  - ▶ SDConsts.BTDeviceType class
    - TYPE\_1 = "01";
    - TYPE\_2 = "02";
    - TYPE\_3 = "03";

### Information

- BT\_Connect
  - : Bluetooth can be connected through the existing BT\_Connect(String address) API, but it may takes a little longer than BT\_Connect(String address, String deviceType).

## **Version 1.0.1**

### **Notes**

- Internal update

### **Information**

- SD\_Open  
: Both RFR900 and RFR901 are available, but RFR901 must have the following or higher versions of image for each OS.  
>> [A9/A10]All, [A7]20180218~, [A6]20180130~, [A5]20180129

## **Version 1.0.0**

### **Notes**

- New Integrated version of RFR900, RFR901