

# Android OS

## Release Notes

**α811**  
**Ver. 1.21.00**



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## Revision History

Change	Date	Description
Ver.1.00.00	2018/07/23	Android OS v1.00R Release
Ver.1.01.00	2018/07/25	Android OS v1.01R Release
Ver.1.02.00	2018/08/08	Android OS v1.02R Release
Ver.1.03.00	2018/09/11	Android OS v1.03R Release
Ver.1.04.00	2018/09/12	Android OS v1.04R Release
Ver.1.05.00	2018/09/25	Android OS v1.05R Release
Ver.1.06.00	2018/09/26	Android OS v1.06R Release
Ver.1.07.00	2018/10/01	Android OS v1.07R Release
Ver.1.08.00	2018/11/08	Android OS v1.08R Release
Ver.1.09.00	2018/01/02	Android OS v1.09R Release
Ver.1.10.00	2019/02/15	Android OS v1.10R Release
Ver.1.11.00	2019/04/24	Android OS v1.11R Release
Ver.1.12.00	2019/06/11	Android OS v1.12R Release
Ver.1.13.00	2019/11/11	Android OS v1.13R Release
Ver.1.14.00	2019/11/25	Android OS v1.14R Release
Ver.1.15.00	2020/01/02	Android OS v1.15R Release
Ver.1.16.00	2020/02/25	Android OS v1.16R Release
Ver.1.17.00	2020/05/29	Android OS v1.17R Release
Ver.1.18.00	2020/07/10	Android OS v1.18R Release
Ver.1.19.00	2021/05/06	Android OS v1.19R Release
Ver.1.20.00	2021/05/19	Android OS v1.20R Release
Ver.1.21.00	2021/07/20	Android OS v1.21R Release

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## 1. Requirements

### ■ Supported Hardware

① α811 handheld reader

## 2. Release History

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

### ■ V1.21R

#### **New Features**

#### **Issue Fixes**

- Resolved the battery animation display issue into the charger mode.
- Modification related to a Cinterion PLS-8 LTE modem.
  - Removed remote wake up routines(wake up problem right after sleep).
  - Added RIL restart control for unexpected disconnection of modem interfaces.

### ■ V1.20R

#### **New Features**

- Added AP6256 WiFi/BT module support.

#### **Issue Fixes**

- Updated SDK v1.21.00 demo apps.

### ■ V1.19R

#### **New Features**

- Added support module for iOS USB connection.

#### **Issue Fixes**

- Updated WiFi firmware for Korea and Japanese region.
- Fixed the improper device detection issue on Windows OS.

### ■ V1.18R

#### **New Features**

- Now Bluetooth enters low power mode instead of being turned off if Bluetooth is on when the device enters sleep mode.

#### **Issue Fixes**

- Updated SDK v1.20.00 demo apps.

### ■ V1.17R

#### **New Features**

- Added Bluetooth MAC address factory writing support.
- Added USB AOA interface winusb support.

#### **Issue Fixes**

- Updated SDK v1.19.00 demo apps.

## ■ V1.16R

### **New Features**

#### **Issue Fixes**

- Fixed permission issues of legacy apps.
- Fixed audio path control and wakeup by incoming call issues of Cinterion PHS8 and PLS8 modem.
- Updated SDK v1.17.10 demo apps.

## ■ V1.15R

### **New Features**

- Added USB gadget HID support.
- Added shutdown animation.

#### **Issue Fixes**

- Improved PM for WiFi/BT and RF.
- Updated SDK v1.17.00 demo apps.

## ■ V1.14R

### **New Features**

#### **Issue Fixes**

- Replaced the file explorer app due to its execution issue caused by permission problems.

## ■ V1.13R

### **New Features**

- Added assisted time synchronization support including time zone.
- Added device information viewer app.
- Added RIL NITZ support for Cinterion PHS8 and PLS8 modem.

#### **Issue Fixes**

- Fixed the crash issue when clicking the ethernet tab at Settings > Data usage after the Ethernet port of a cradle is connected.
- Updated mobile APN lists.
- Updated SDK v1.16.03 demo apps.
- Updated device setting wizard app v1.0.3.
  - Added app package configuration(enabling/disabling) support as per specific customer.

## ■ V1.12R

### **New Features**

#### **Issue Fixes**

- Updated SDK v1.16.01 demo apps.
- Fixed the camera driver issue related to the 2D barcode scan fails.
- Changed touch key-value mapping.

## ■ V1.11R

### **New Features**

- Added H/W option override setting menu.

### **Issue Fixes**

- Updated SDK v1.16.00 demo apps.
- Updated device setting wizard app v1.0.2.

## ■ V1.10R

### **New Features**

- Added MS packages (optional, preinstalled in the specific version).

### **Issue Fixes**

- Updated SDK v1.15.01 demo apps.

## ■ V1.09R

### **New Features**

### **Issue Fixes**

- Applied performance improvement tweaks.
- Updated SDK v1.15.00 demo apps.

## ■ V1.08R

### **New Features**

- Added global broadcast key support for the remote manager app.
- Added HID clipboard demo app.

### **Issue Fixes**

- Updated SDK v1.14.00 demo apps.

## ■ V1.07R

### **New Features**

### **Issue Fixes**

- Updated SDK v1.13.03 demo apps.

## ■ V1.06R

### **New Features**

### **Issue Fixes**

- Fixed MS certification issue (specific version only).



## ■ V1.05R

### **New Features**

- Added MS packages (optional, preinstalled in the specific version).

### **Issue Fixes**

- Improved recovery mode.
- Adjusted the size of the cache partition.

## ■ V1.04R

### **New Features**

### **Issue Fixes**

- Fixed Bluetooth malfunction issue.
- Changed connection speed support list for serial I/O.  
Before: 115200, 230400, 380400, 460800, 921600, 1000000, 1500000  
2000000, 3000000, 3250000  
Current: 115200, 230400, 380400, 460800, 921600, 1500000, 2500000

## ■ V1.03R

### **New Features**

- Added high-speed connection support for serial I/O.  
Before: 115200, 230400, 2500000  
Current: 115200, 230400, 380400, 460800, 921600, 1000000, 1500000  
2000000, 3000000, 3250000

### **Issue Fixes**

- Updated SDK v1.13.02 demo apps.

## ■ V1.02R

### **New Features**

- Added app folders for SDK demo and test apps.

### **Issue Fixes**

- Fixed the text and image display issue in the recovery mode.
- Updated SDK v1.13.00 demo apps.

## ■ V1.01R

### **New Features**

### **Issue Fixes**

- Improved sleep mode control of the external UART module.
- Updated SDK v1.12.00 demo apps.

## ■ V1.00R

### **New Features**

**Issue Fixes**

- Improved power control of PS, external UART module and depending on modem option.
- Updated SDK v1.12.00 libraries and demo apps.
- Replaced battery charging animation UI resources.

### **3. Customer Support**

#### **1) Technical Support**

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

#### **2) Feedback**

Please send us your feedback about APULSETECH products.