


Android BLE RFID Reader User Manual (1.0.0)


1 Revision History

Version	Date	Description
1.0.0	2018.02.01	Initial Release

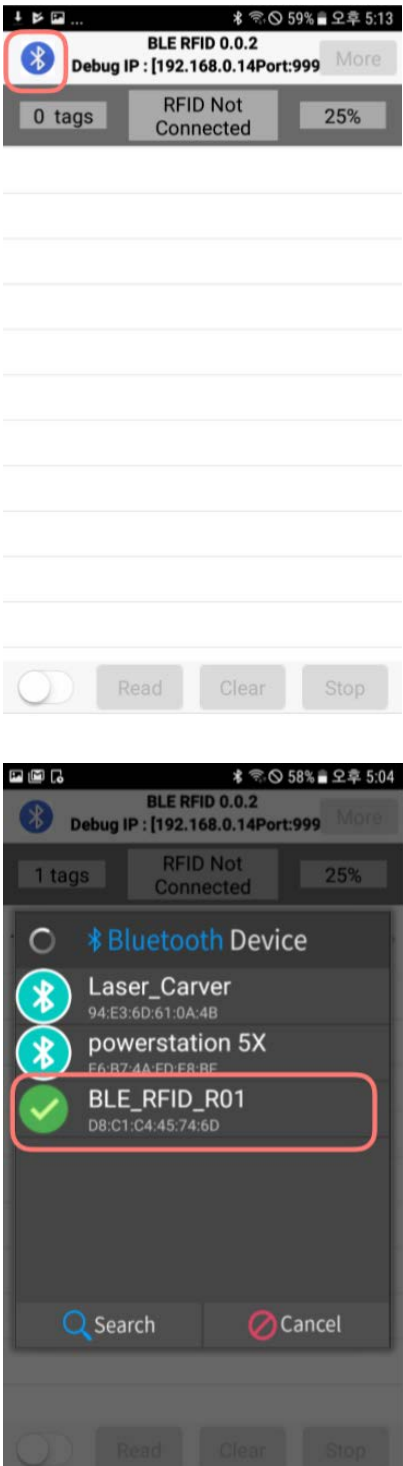
2 APP Launch

	No.	Description
 A smartphone screen with a purple and blue gradient background. At the top, there is a search bar with the text '앱을 검색하세요' and a microphone icon. Below the search bar, there are two app icons: 'T USIM 서비스' and 'BLE(RFID)'. The 'BLE(RFID)' icon is a blue circle with a white 'RFID' logo and the text 'BLE(RFID)' below it. The status bar at the top shows the time as 5:05 PM and battery level at 58%.	(1)	Touch BLE(RFID) App icon


3 BLE(Bluetooth) Power ON

	No.	Description
 A hand holding a white rectangular BLE reader device. The device has a small black button on the left side, which is highlighted with a red square. Below the button is a circular gold-colored antenna. At the bottom of the device, a blue LED light is flashing. A smartphone is visible in the background.	(1)	Press the left and right buttons of the BLE reader to confirm that the BLE power is on and the bottom LED flashes.


4 Search BLE Devices(Reader)

	No.	Description
	(1)	<p>If you press the BLE button of the launched app, you will see the list of BLE readers.</p> <p>Search for "BLE_RFID_R01" If selected, try to connect.</p>

5 Check BLE connected result

	No.	Description
 <p>The screenshot shows the app interface with the status 'RFID Connected' highlighted by a red box. The interface includes a Bluetooth icon, 'BLE RFID 0.0.2', 'Debug IP : [192.168.0.14Port:999]', '0 tags', 'RFID Connected', and '0%'. At the bottom, there are buttons for 'Read', 'Clear', and 'Stop'.</p>	(1)	When the BLE reader is connected, confirm that "RFID Connected" is displayed at the top.

RFID Power ON

	No.	Description
 <p>The screenshot shows the app interface with the power switch turned on, indicated by a green circle and a red box. The interface includes a Bluetooth icon, 'BLE RFID 0.0.2', 'Debug IP : [192.168.0.14Port:999]', '1 tags', 'RFID Connected', and '25%'. Below this, the tag ID '100200112233' is displayed. At the bottom, there are buttons for 'Read', 'Clear', and 'Stop'.</p>	(1)	<p>Try to turn on the bottom power.</p> <p>When the power is ON, -READ, Clear, Stop buttons are activated.</p> <p>READ button: Read RFID TAG Clear button: Clear the read TAG information STOP button: Stop reading RFID tag</p>

Part 15.19 FCC Compliance Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Part 15.105

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC RF Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. The antenna used for this transmitter must not transmit simultaneously with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures.

- * In order to transmit a UHF signal, you must press the scan button
- * The UHF signal will not be transmitted unless the Scan button is pressed when worn on the body.
- * Keep your arms straight and point the ASR-X3XD antenna towards the RFID tag and read the tag using the scan button.
- * Maintain at least 20cm between the device and the body

Part 15.21 FCC Caution

Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.