

UL REMOTE ANDROID READER

Who is it for?

UL Remote Android Reader is an Android application that allows UICC card content or eUICC profiles to be read and verified when the UICC card or eUICC is inaccessible or physically embedded in the device.

Why do you need it?

UL Remote Android Reader is used in conjunction with the UL Card Test Tools; UL Mobile Card Test Platform, UL Mobile Card Profile Tester or UL Mobile eUICC Profile Tester. It acts as a proxy for sending commands from the UL Card Test Tool running on the client test PC, to the UL Remote Android Reader installed on the Android device.

What is inside?

UL Remote Android Reader provides you with a companion test application for Android devices:

- Additional Profile Element: Profiles to be tested must have an ARA-M or ARA-C application profile element to gain permission from the Secure Element Access Control (SEAC) on the Secure Element. UL provides an example SEAC rule that needs to be added to the ARA application on the UICC or to the ASN.1 profile before it is loaded into the eUICC.
- Secure Wi-Fi Connection: The UL Card Test Tools connect to the UL Remote Android Reader using a secure TLS connection via Wi-Fi.
- Card Content and Profile Verification: UL Card Test Tools can perform their normal testing remotely to read and verify card content or enabled profiles on a secure element.

UL Mobile Bulcc Profile Tester WiFi

Key benefits

- Remote card content testing for physically inaccessible SIMs, UICCs, embedded Secure Elements (eSE) and eUICCs
- Secure TLS connection from UL Remote Android Reader to the UL Card Test Tools
- Runs on all versions of Android above v4.4 (KitKat)
- Support Secure Channel Protocol interfaces to verify SCP02 and SCP03 keysets in applications and GlobalPlatform Security Domains
- Logs of all testing can be saved locally on the Android handset
- Live status updates in the UI for remote connectivity and the number of commands received and responses sent

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Specifications

Command & Response APDUs

 All command and response APDUs received and sent from the UL Card Test Tools to the SIM/UICC/eUICC via the UL Remote Android Reader are compliant to ETSI 102 221.

Secure Element Requirements

- Support for Secure Element Access Control (SEAC) on the Secure Element to allow the UL Remote Android Reader to communicate with the Secure Element.
- One of the following rules must be added to the Access Rule Application (ARA-C or ARA-M) of the Secure Element:
 - o Allow all, or
 - Allow the hash rule for the app
- Support for multiple Open Mobile-API (OM-API) readers (e.g. eSEs, UICC etc).

Installation Requirements

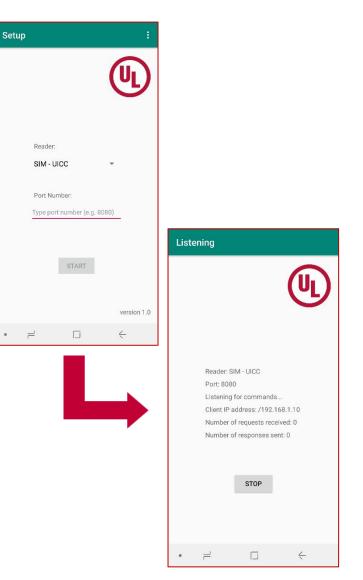
 Android Debug Bridge (ADB) must be installed on the test PC and USB debugging must be enabled on the test handset, to allow the ADB to install UL Remote Android Reader .apk on the test handset.

Test Handset Requirements

- Android v4.4 (KitKat) and above
- Wi-Fi support
- OM API support
- GlobalPlatform SEAC support
- SIM, UICC, eSE or eUICC is inserted

UL Card Test Tools Supported

- UL Mobile Card Test Platform
- UL Mobile Card Profile Tester
- UL Mobile eUICC Profile Tester





For your sales enquiries, please contact us at imsecurity@ul.com, visit ims.ul.com, or contact one of our resellers.