

UL MOBILE SPY

Who is it for?

UL Mobile Spy is essential for anyone in the mobile industry that needs to analyze the communication between mobile handsets and SIM/USIM cards or between M2M and Consumer RSP devices and eUICC.

Why do you need it?

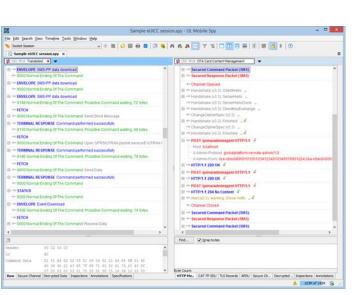
UL Mobile Spy is an easy-to-use tool that translates and visualizes communication between handsets and SIM/USIM cards or contactless readers or M2M or Consumer RSP devices and eUICCs. It is a flexible and intuitive tool, providing the most complete translation available in the market today. The various views in UL Mobile Spy make troubleshooting fast and easy. Its in-built inspections even automatically help pinpoint problems.

What is inside?

UL Mobile Spy supports and translates ISO, GSM, 3G, CDMA, RFM/RAM over CAT_TP and SMS, HTTPS, SWP/HCI, Contactless/ NFC, MIFARE, GSMA eUICC and GlobalPlatform standards.

The core tool provides a basic ISO 7816 command translator with decoding of the T=0 and T=1 protocols over the ISO 7816 interface. It also includes several basic searches and a number of powerful core features such as translations, searches, filters, inspections and timeline.

The translation modules each add a number of new searches, filters and inspections for a specific protocol when included in UL Mobile Spy.



Key benefits

- Support for eUICC via dynamic decryption of active secure channels; SCP03, SCP80 & SCP81
- Translation of 3GPP Release 15 including 5G updates for TLVs, Envelopes, Proactive commands and file system
- Evaluate interoperability between handset and USIM card
- Assure Quality through error detection
- View clear, understandable communication between devices
- Translate SAT/USAT in GSM, 3G and CDMA2000 modules
- Advanced high level translation including toolkit, BIP & OTA
- Synchronized spying on SWP and Contactless interfaces
- Ability to share logs with other interested parties using the free-of-charge UL Mobile Log Viewer

UL MOBILE SPY

Specifications

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Translation Modules and Standards supported			
-	UL Mobile Spy Core	-	Card Management
-	ISO 7816 translation of the T=0 and T=1 protocols. GSM		Translation of GlobalPlatform commands, OTA RFM/RAM over CAT_TP and SMS, Secured Command Packets (ETSI
	Translation of GSM session commands, files, SAT (SIM		102 225 & 3GPP 31.115), RAM Over HTTP (GlobalPlatform
	Application Toolkit) commands and the BIP (Bearer		Amendment B), SCP02, SCP03 (GlobalPlatform
	Independent Protocol) channel.		Amendment D) and GSMA's eUICC and related security
-	3G		protocols.
	Translation of 3G (W-CDMA) USIM and ISIM	-	SWP
	commands, files, BIP and also GlobalPlatform Secure		Translation of SWP communication, views for LLC and HCI
	Element Access Control (ARA-M and PKCS#15).		layers, decoding of S1 and S2 signals, HCI pipes in the
-	CDMA		time-line view.
	Translation of CDMA2000 commands, files and CCAT	-	Mobile Payment
	(CDMA Card Application Toolkit).		Translation of mobile Visa payWave, MasterCard PayPass,
-	Contactless/NFC		American Express ExpressPay, and Discover Contactless
	Translation of contactless sessions according to ISO		D-PAS applications for APDUs sent over the ISO 7816,
	14443 and APDUs sent over the contactless interface.		contactless or SWP interfaces.
-	GSMA eSIM	-	MIFARE
	Decryption and translation of SMS SCP80 and TLS		Translation of MIFARE Classic and MIFARE DESFire
	SCP81 in M2M sessions on ES5, ES8 and ES6 as		based messages on both contactless and SWP interfaces.
	applicable. Translation of ASN.1 formatted function		With the appropriate keys MIFARE messages are decrypted
	requests and responses in Consumer sessions on		to view tag memory.
	ES10x, ES6 and ES8+.		

Advanced Features

- Search and Find

A powerful search facility on text, element type, commands, status word types, time intervals, channels or pipes.

- Filters

Translate the information on the interface using tailored views and filters to ensure the user can view the data most relevant to them.

- Timeline

Simultaneous views of different logical interfaces and data views. The timeline view shows all events and activities from the communication as they occur, essential for understanding synchronous communications allowing fast session navigation.

Hardware

Depending on your choice of translation:

- UL SmartConnect (Contact spying available now with Contactless coming soon)
- UL SmartWave Box (Contactless spying)
- Micropross MP300 ACL1 and Digital Antenna (Contactless spying)
- Micropross MP300 SC2 ISO and SWP SPY (Contact spying for 3G/GSM and SWP/HCI)

Inspections

Adds value to the session by inspecting and highlighting it for common issues. You can save comments with data elements to speed up problem solving and improve information sharing.

View Exports

Share session information from UL Mobile Spy with other parties to help identify, debug and fix issues. Do this by exporting session data to HTML, or using the free-of-charge UL Mobile Log Viewer.

UL Mobile Log Viewer

A free-to-use tool used to view test certificates and spy logs for people who do not have any UL test tools.



UL Mobile Spy with UL SmartConnect



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

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