



NAME	Trend Micro Mobile Security for Android
<b>Company</b>	Trend micro
<b>Version</b>	1.2
<b>Devices supported</b>	Android Tested on Android OS 2.3
<b>Operating systems</b>	Android 2
<b>Price</b>	\$ 29.99
<b>Language of interface</b>	English
Android is not provided with an embedded parental control tool.	





## FUNCTIONALITY

**Parental control functionalities provided by the external tool Trend Micro Mobile Security for Android**

The tool allows the PARENTS to customize the management of different profiles, to create url black/white lists and to decide what topics need to be filtered.

**FUNCTIONALITY SCORE** [assessment referred as to the external tool only]: **0,9 OUT OF 4 POINTS**

## EFFECTIVENESS

The overall effectiveness score is almost fair on adult content and very weak on other harmful content.  
There is no major difference in effectiveness between teenagers and children.  
The tool has a slightly better effectiveness on English than on the other languages.

**Effectiveness score with adult content filtering for  $\leq 12$  years old user:** 2,3  
**Effectiveness score with other harmful content filtering for  $\leq 12$  years old user:** 0,6  
**Effectiveness score with adult content filtering for  $\geq 13$  years old user:** 2,6  
**Effectiveness score with other harmful content filtering for  $\geq 13$  years old user:** 1,4

**OVERALL SCORE FOR EFFECTIVENESS FOR  $\leq 12$  YEARS OLD USER:** **1,5 OUT OF 4 POINTS**

**OVERALL SCORE FOR EFFECTIVENESS FOR  $\geq 13$  YEARS OLD USER:** **2.0 OUT OF 4 POINTS**

[assessment referred as to the external tool only]





## USABILITY

Installation of the tool: Trend Micro Mobile Security for Android is delivered as an application which is installed nearly automatically. Therefore the installation process was not tested with regard to usability.

Configuration of the tool: The configuration is mostly comprehensible and generally easy to learn, but context sensitive information are casually missing. The process offers no options to influence or individualise the process. It contains slight inconsistencies, but it is generally conform to users' expectations, except for the handling of white lists. The design is appealing.

Usage of the tool: The tool provides no options to react when a web site has been blocked. The alert message is quite adequate with regard to the small devices, but it is not worded with respect to children's capability of understanding. The tool provides a log file of websites that had been visited, but no detailed information about what have been blocked.

**Usability of the installation process:** /

**Usability of the configuration process:** 2,57

**Usability of the usage of the product:** 2,07

**OVERALL SCORE FOR USABILITY:** **2,38 OUT OF 4 POINTS** (assessment referred as to the external tool only)

## SECURITY

The low rate is due to the possibility for the user to uninstall the tool without a password.

**SECURITY SCORE:** **0 OUT OF 4 POINTS** (assessment referred as to the external tool only)





## DETAILED FUNCTIONALITY FINDINGS

EXTERNAL TOOL – Trend Micro Mobile security for Android			
Area of need	Functionality	Specific Issue	Assessment
Filtering customisation Social Networks	Web Filtering	Filter web pages according to content	YES
	Topic filtering	Customisation filtering topics	NO
	White lists	Restrict browsing to a white list	YES
		Default white list	NO
		Modification OR Creation	<u>Modification</u> – NO <u>Creation</u> – YES
	Black lists	Creation of user's own black list	YES
	Social Networks	Block access	NO
	Safe Search	Availability	YES
Keywords	Keywords	Default black list	NO
		Default white list	NO
		Creation of a user's black list	NO
		Creation of a user's white list	NO
Time	Time limit settings	Set a specific timeframe or web access duration	NO
Usage restriction	Web	<u>Block</u> access	NO
		<u>Monitor*</u> usage	NO
	Streaming	<u>block</u> the access to streaming	Application: NO Web: NO
		<u>monitor</u> the streaming activity	NO
Usage restriction related to communication activities	Skype	<u>block</u> (chat, VoIP, Video-chat)	NO
		<u>monitor</u> the usage	NO
		prevent from <i>new</i> contact	NO
	MSN	<u>block</u> the application:	NO
		<u>monitor</u> the application usage:	NO
		prevent from <i>new</i> contact	NO
	e-mail	block email Client and/or web	NO





## DETAILED SECURITY FINDINGS:

The Tool prevents the user from by-passing the filter by	YES - NO - N/A *
Using the IP address instead of the URL	YES
Disabling or uninstalling the software without a password	NO
Using a proxy instead of a direct connection to the internet.	YES
Accessing the web-pages through the Google cache	YES
Reaching a website through translation sites [ex. Google translate]	YES

*\*It was not possible to carry on the test since the device does not allow the functionality or does not allow the access to the specific test bed.*

## DETAILED USABILITY FINDINGS:

	YES/NO
I: installation in less than 5 steps	/
I: choice of installation for beginners or advanced users	/
C: different degrees of strength for the filtering	YES
C: different content criteria for the filtering	NO
C: option to transfer filter configurations between target users	no user profiles
C: option to transfer filter configurations between devices	NO
C: overall comprehensible configuration	NO
C: overall conformity with user expectations	NO
C: overall ease of learning	YES
U: alert message in a child friendly language	NO
U: option to customize the reaction in case of blocking	NO
U: overall easily operable and comprehensible reporting	NO

