



NAME	K9 WEB PROTECTION BROWSER
<b>Company</b>	K9 Web Protection Browser
<b>Version</b>	1.0.4
<b>Devices supported</b>	Mobile: iPhone, iPad, iPod Touch Tested on iPhone 3GS v4.0
<b>Operating systems</b>	iOS 3.0 or later
<b>Price</b>	Free
<b>Language of interface</b>	English
<p>The iPhone is provided with an embedded parental control tool that allows some filtering/blocking actions that complement the control functionalities offered by the external tool (K9 Mobile): e.g. it enables the PARENT to block the Safari functionality and also YouTube application using the restriction code.</p>	





## FUNCTIONALITY

### Parental control functionalities provided by the external tool K9 Mobile

The filtering tool customization interface is accessible by the mobile device only (remote control is not possible).  
The tool allows the user to browse according to its default black/white list of URLs/keywords. No customization is possible neither according to topic categories nor to keywords or black/white URLs lists.  
The Safe Search is available but it is related to the K9 browser (not specifically to Google or Bing or Yahoo!).

**Important:** In order to have the tool working, the embedded parental control for the iPhone must be set appropriately as indicated by K9 set-up instructions.  
The tool does not filters the websites accessed through the Safari browser provided by the iPhone: the access to the Safari browser must be blocked by the embedded parental control.

### Parental control functionalities embedded with the device

The iPhone is provided with an embedded parental control tool that allows some filtering/blocking action that complements the control functionalities offered by the external tool (K9 mobile): e.g. it enables the PARENT to block the Safari functionality and also YouTube application using the restriction code.

**FUNCTIONALITY SCORE** (assessment referred as to the external tool only): **0,7 OUT OF 4 POINTS**

## EFFECTIVENESS

The overall effectiveness score is good 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.  
The tool performs better on web than web 2.0.

Effectiveness score with adult content filtering for  $\leq 12$  years old user:  
Effectiveness score with other harmful content filtering for  $\leq 12$  years old user:  
Effectiveness score with adult content filtering for  $\geq 13$  years old user:  
Effectiveness score with other harmful content filtering for  $\geq 13$  years old user:

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

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

(assessment referred as to the external tool only)





## USABILITY

Installation of the tool: K9 for iPhone is delivered as an application which is installed nearly automatically. Therefore, the installation process was not tested with regards to usability.

Configuration of the tool: The configuration is limited to an application-based process; configuration steps via web-based access are not provided. The process is mostly comprehensible but context sensitive information are missing with regard to the filtering categories and the handling of alternative iPhone browsers. Therefore, the process is partly difficult to learn. There are no options to influence or adjust the process. The configuration is consistent and it is mostly conform to users' expectations. The design is appealing.

Usage of the tool: The tool provides barely any options to react when a web site has been blocked. The alert message is quite adequate taking into account the small device but it is not worded appropriately to children's level of understanding. The reporting is well comprehensible.

Usability of the installation process: /

Usability of the configuration process: 2,44

Usability of the usage of the product: 2,29

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





## DETAILED FUNCTIONALITY FINDINGS

EXTERNAL TOOL - K9 Mobile			
Area of need	Functionality	Specific Issue	Assessment
Filteringcustomisation Social Networks	Web Filtering	Filter web pages according to content	YES
	Topicfiltering	Customisation filtering topics	NO
	White lists	Restrict browsing to a white list	NO
		Default white list	NO
		Modification OR	<u>Modification</u> - NO
		Creation	<u>Creation</u> - NO
	Black lists	Creation of user's own black list	NO
	Social Networks	Block access	NO
SafeSearch	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 limitsettings	Set a specific timeframe or web access duration	NO
Usagerestriction	Personal data provision	<u>Block</u>	NO
	Web	<u>Block</u> access	NO
		<u>Monitor</u> *usage	NO
	Streaming	<u>block</u> the access to streaming	Application: NO Web: YES
		<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 applicationusage:	NO
		prevent from <i>new</i> contact	NO
	e-mail	block email Client and/or web	NO





## EMBEDDED TOOL - iPhone 4 v.4.3

Feature	Description	Assessment
Web access	Block	YES
Application running	Block	YES
	Filter	YES
Application download	Block	YES
	Filter	YES
Application Purchase	Block	YES
	Filter	YES
Video streaming	Block	YES*
	Filter	YES*
Video playing	Block	YES
	Filter	YES
Skype	Block	NO
	Monitor	NO
	contactfilter	NO
MSN	Block	NO
	Monitor	NO
	contactfilter	NO
e-mail	Block	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 3 steps or less	YES
I: choice of installation for beginners or advanced users	NO
C: different degrees of strength for the filtering	NO
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: altogether comprehensible configuration	NO
C: altogether in conformity with user expectations	YES
C: altogether easy to learn	NO
U: alert message in a child friendly language	NO
U: option to customize the reaction in case of blocking	NO
U: altogether easily operable and comprehensible reporting	YES

