

F-Secure Mobile Security

for S60

User's Guide



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Contents

About This Guide	1
How This Guide Is Organized	2
Conventions Used in F-Secure Guides	3
Symbols	3
Chapter 1 Introduction	5
1.1 F-Secure Mobile Security	6
1.2 Key Features	6
Chapter 2 Installation	7
2.1 System Requirements	8
2.2 Installing and Activating	8
2.3 Transferring Subscription to a New Device	10
2.4 Uninstalling.....	10
Chapter 3 Using F-Secure Mobile Security	11
3.1 Overview	12
3.2 Starting the Product	12
3.3 User Interface.....	13
3.4 Selecting the Scanning Mode	14
3.4.1 Real-time Scanning	15
3.4.2 Manual Scanning.....	16
3.5 Processing Infected Files	18

3.6	Keeping the Product Up-To-Date	19
3.6.1	Version Updates	20
3.6.2	Upgrading the Application Manually	21
3.7	Purchasing Subscription Service Time	21
3.8	Firewall.....	22
3.8.1	Protection Levels	22
3.9	Troubleshooting	23

Technical Support **25**

Overview	26
Virus Descriptions on the Web	26
Electronic Mail Support	26

About F-Secure Corporation

ABOUT THIS GUIDE

How This Guide Is Organized.....	2
Conventions Used in F-Secure Guides	3

How This Guide Is Organized

F-Secure Mobile Security User's Guide is divided into the following chapters:

Chapter 1. Introduction. Provides general information about F-Secure Mobile Security.

Chapter 2. Installation. Gives instructions on installing and activating F-Secure Mobile Security.

Chapter 3. Using F-Secure Mobile Security. Describes the F-Secure Mobile Security user interface.

Technical Support. Provides the contact information for assistance.

About F-Secure Corporation. Describes the company background and products.

Conventions Used in F-Secure Guides

This section describes the symbols, fonts, and terminology used in this manual.

Symbols



WARNING: The warning symbol indicates a situation with a risk of irreversible destruction to data.



IMPORTANT: An exclamation mark provides important information that you need to consider.



REFERENCE - A book refers you to related information on the topic available in another document.



NOTE - A note provides additional information that you should consider.



TIP - A tip provides information that can help you perform a task more quickly or easily.

⇒ An arrow indicates a one-step procedure.

Fonts

Arial bold (blue) is used to refer to menu names and commands, to buttons and other items in a dialog box.

Arial Italics (blue) is used to refer to other chapters in the manual, book titles, and titles of other manuals.

Arial Italics (black) is used for file and folder names, for figure and table captions, and for directory tree names.

Arial underlined (blue) is used for user interface links.

PDF Document

This manual is provided in PDF (Portable Document Format). The PDF document can be used for online viewing and printing using Adobe® Acrobat® Reader. When printing the manual, please print the entire manual, including the copyright and disclaimer statements.

For More Information

Visit F-Secure at <http://www.f-secure.com> for documentation, training courses, downloads, and service and support contacts.

In our constant attempts to improve our documentation, we would welcome your feedback. If you have any questions, comments, or suggestions about this or any other F-Secure document, please contact us at documentation@f-secure.com.

1

INTRODUCTION

F-Secure Mobile Security	6
Key Features	6

1.1 F-Secure Mobile Security

F-Secure Mobile Security is a software product that protects data stored in your S60 device against malicious code attacks.

F-Secure Mobile Security scans all files for viruses automatically when they are saved, copied, downloaded, synchronized or otherwise modified. All infected files are immediately quarantined to protect all other data on the device. The automatic scanning happens transparently on the background.

To work effectively, antivirus software requires an always up-to-date virus definition database. F-Secure Mobile Security retrieves the latest virus definition databases automatically.

1.2 Key Features

F-Secure Mobile Security offers the following key features.

Transparent Operation

The application runs in the background while you use your device.

Extensive scanning

The application automatically scans all files when they are accessed. You can also manually scan your device for viruses whenever you want.

Automatic updates

The application automatically downloads regular updates to keep the virus definition database up-to-date.

Firewall

The application protects you from potential network harm by blocking information that does not meet the set security criteria.

2

INSTALLATION

System Requirements	8
Installing and Activating	8
Uninstalling	10

2.1 System Requirements

To use F-Secure Mobile Security, your device must meet the following requirements:

Platform: Nokia S60 (3rd edition) devices.
See <http://mobile.f-secure.com/devices/> for a full list of supported devices.

Internet connection: You must have an Internet connection from your device to activate the application.

To test your Internet access point, browse with your device browser to <https://msp.f-secure.com/web-test/>

If you can access the page, your Internet access point is suitable for activation and updates.

2.2 Installing and Activating

Previous Version

If you have F-Secure Mobile Anti-Virus installed on your device, you must uninstall it before installing F-Secure Mobile Security.


Installing

To install:

1. Open the inbox and scroll to the message that contains the installation package.
2. Open the message, and press **Yes** to confirm the installation.
3. In the License agreement screen, read the agreement and press **OK** to continue.
4. When the installation is ready, restart your device. You then need to activate the product. The product does not protect your device if you have not activated it.

Activating

To start the activation:

1. Press the **Menu** key and scroll to the  icon.
2. Open the application. The Welcome screen is displayed.
3. Press **OK** to continue.
4. Select the activation type:
 - To start the evaluation period, press **Options > Change**, change the activation type to **Free evaluation**, and press **Done**, OR
 - To have the fully licensed version, select **Subscription number** as the activation type, and press **Done**. Enter your subscription number and press **OK**.
5. Press **Yes** to connect to the update service and start downloading the updates, or press **No** to cancel the activation.


The application connects to the update service and submits your subscription number. During the first update, the application downloads a new virus definition database.
6. When the download is complete, a message informs you that the registration was successful and that the application is activated. Press **OK** to continue.
7. In the next screen, press **OK** to finish the activation.
8. After you have finished the activation, scan your device for viruses to make sure your device is clean. For instructions, see “*Manual Scanning*”, 16.



You should also scan your device whenever the application asks you to.

Starting the Product

After you have activated F-Secure Mobile Security, it starts up automatically every time you turn on your device. If you have selected the manual scanning mode, you need to start the application manually:

1. Press the Menu key and scroll to the  icon.
2. Select **Options>Open**.



The default firewall level after installation and activation is 'Allow all'.

2.3 Transferring Subscription to a New Device

You can transfer your subscription to a new device a maximum of four times. The procedure is the same as for normal installation and activation. For instructions, see “*Installing and Activating*”, 8.



If the update server is unable to authenticate your subscription, an error message is displayed. The server cannot authenticate the subscription in the following cases:

- *The files in the F-Secure Mobile Security installation folder are corrupted or have been changed*
- *You have tried to transfer the F-Secure Mobile Security service subscription into another device more than four times*

2.4 Uninstalling



IMPORTANT: *Scan your device, and remove all quarantined and infected files before you uninstall F-Secure Mobile Security.*

To uninstall F-Secure Mobile Security:

1. Select **Tools > Application Manager**.
2. Scroll to F-Secure Mobile Security.
3. Select **Options>Remove**.
4. Press **Yes** to confirm uninstalling the program.

3

USING F-SECURE MOBILE SECURITY

Overview.....	12
Starting the Product.....	12
User Interface.....	13
Selecting the Scanning Mode.....	14
Processing Infected Files	18
Keeping the Product Up-To-Date.....	19
Purchasing Subscription Service Time.....	21
Firewall	22


3.1 Overview

F-Secure Mobile Security is designed to provide you with complete protection against malicious code attacks. It scans all accessed and modified data on your device automatically for malicious content when the real-time scanning is enabled. If you do not want to use the real-time scanning, you can manually scan all the data for viruses whenever you want.

When F-Secure Mobile Security detects an infected file, you can delete or quarantine it. If you delete the file, it is removed completely. Quarantined files are locked up so that they cannot be accessed.

3.2 Starting the Product

After you have activated F-Secure Mobile Security, it starts up automatically every time you turn on your device. If you have selected the manual scanning mode, you need to start the application manually:

1. Press the **Menu** key and scroll to the  icon.
2. Select **Options > Open**.



When the real-time scanning mode is enabled, F-Secure Mobile Security runs on the background automatically. For more information, see “[Real-time Scanning](#)”, 15.

3.3 User Interface

The Main view opens when you start the application. The Main view displays:

Virus protection	Displays the currently used virus scan mode. For more information, see “ Selecting the Scanning Mode ”, 14.
Firewall protection	Displays the currently used firewall level. For more information, see “ Firewall ”, 22.
Update status	Displays the update status. For more information, see “ Keeping the Product Up-To-Date ”, 19.
Subscription status	Displays the subscriptions status. “ Purchasing Subscription Service Time ”, 21.
Infection status	Displays the infection status. For more information, see “ Processing Infected Files ”, 18.

The **Options** menu in the Main view has the following commands:

- **Scan all** - scan all files on your device and on the inserted memory card for viruses
- **Update** - download the latest update; available only if activation has been completed
- **Activate** - activate the application (first-time start-up); available only if activation has not been completed
- **Subscription** - display the subscription number and update instructions
- **Settings** - edit the Virus protection, Firewall protection, and Update settings

- **About** - display information about the application
- **Help** - launch context sensitive (online) help (available only if your device supports context sensitive online help)
- **Exit** - shut down the application



IMPORTANT: *If you shut down the application, automatic updates are disabled, the infected files are not quarantined, the system is not protected against viruses, and the firewall is disabled.*

Closing the User Interface

Pressing the **Done** soft key hides the user interface, but keeps the application running on the background, scanning your files for viruses automatically when they are accessed (only when the real-time scanning mode is enabled). The firewall protects the system.

To shut down F-Secure Mobile Security completely, select **Options > Exit**.




IMPORTANT: *If you shut down the application, automatic updates are disabled, the infected files are not quarantined, the system is not protected against viruses, and the firewall is disabled.*

3.4 Selecting the Scanning Mode

You can set F-Secure Mobile Security to scan all files for viruses automatically when they are accessed or you can scan files for viruses manually.

To change the scanning mode:

1. In any of the main views, press **Options > Settings**.
 2. Go to **Virus protection** and press **Options > Change** to change the scanning mode.
 - *Real-time* - F-Secure Mobile Security runs on the background and scan files when they are accessed or modified. For more information, see “*Real-time Scanning*”, 15.
 - *Manual Scan* - F-Secure Mobile Security scans files only when you run the virus scan yourself. For more information, see “*Manual Scanning*”, 16.
-  **IMPORTANT:** *If you disable the real-time scanning, automatic updates are disabled. You must manually scan your device each time you transfer any new data to your device.*
3. Press **OK**.

3.4.1 Real-time Scanning

The real-time scan scans files for malicious content automatically when they are accessed or modified. When it detects a virus, it is immediately quarantined and added to the Infections list. For more information, see “*Processing Infected Files*”, 18.

Virus Alerts

When F-Secure Mobile Security detects a virus during a real-time scan, it displays the following warning:

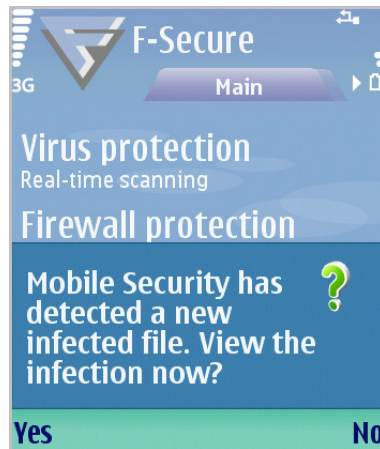


Figure 3-1 Virus alert message

Press **Yes** to view a list of all infected files. For more information, see “*Processing Infected Files*”, 18.

3.4.2 Manual Scanning

The manual scan scans your device and the inserted memory card.

Running a Manual Scan

To scan your device and the inserted memory card manually:

1. Select **Options > Scan all** to start the manual scan.
You can press **Cancel** to stop the scan at any time.

2. After the virus scan is finished, the application displays the following information:

Infected	The number of infections found. For more information about removing infected files, see <i>"Processing Infected Files"</i> , 18
Not Scanned	The number of the files that were not scanned during the scan. A file cannot be scanned if another program is using it during the scan.
Scanned	The number of the files that were scanned.

Press **Back** to exit the scan. All infected files are quarantined and cannot be accessed when F-Secure Mobile Security is running in the background.

To view the list of not scanned files:

1. In the Scan results view, select the Not scanned category.
2. Press **Show**.
3. In the Not scanned files view, go to the file the details of which you wish to view.
4. Press **Options > Details**.

3.5 Processing Infected Files

When F-Secure Mobile Security finds a virus in a file, you can remove the infected file completely or lock it up so that the infected file cannot be accessed. The Infections list displays all detected infected files in the device.

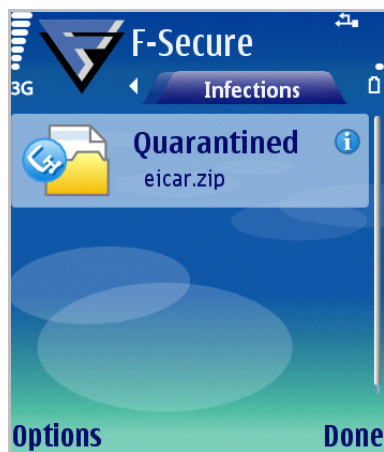


Figure 3-2 Infections list

The list displays the name of the infected file and the current infection status.

- *Quarantined* file is locked and cannot be accessed.
- *Released* file is infected but is not quarantined.

To process infected files:

1. In the Infections view, select the infected file to be processed.
2. Press **Options > Process selected**.
3. From the **Select action** menu, select the desired action, and press **OK**.

You can process the infected files in one of the following ways:

- **Quarantine** - quarantine the infected file. A quarantined file is locked and cannot harm your device when F-Secure Mobile Security is on.
- **Delete** - delete the infected file. This is the recommended option. The file will be removed completely from your device. To restore the deleted file later, reinstall it or restore it from a backup copy, if you have made one.
- **Release** - release the quarantined file. If you release a file, it will not be locked any more. You access it at your own risk.

Press **Details** to view more details about the selected file. The Infection details view displays the path and file name of the infected file, and the name of the virus that has infected the file.



You can find in-depth virus descriptions in the F-Secure web site: <http://www.f-secure.com/virus-info/>.

Press **Done** to close the Infections list and return to main view.

3.6 Keeping the Product Up-To-Date

Automatic Updates

F-Secure Mobile Security includes an automatic update service, which means that the virus definition database in the application is updated regularly. Only an up-to-date virus definition database protects your device against the latest viruses. Automatic updates are in use after you have activated the product.

The application requires an active Internet connection for the updates. When a connection to the Internet is available, the application checks when the virus definition database was last updated and downloads new updates if necessary.



Your copy of F-Secure Mobile Security includes a license. During this time, you can freely update your F-Secure Mobile Security. When your license expires, you can update your copy only after renewing your license.

To enable automatic updates:

1. Press **Options > Settings**.
2. Go to Automatic Update and press **Options > Change**.
3. Select **Enabled** and press **Ok**.



IMPORTANT: Automatic Updates can be enabled only in the real-time scanning mode.

It is recommended that you scan your device for viruses after you receive a new virus definition database update

Manual Updates

You can also update the application manually:

1. In any of the main views, press **Options > Update**.
2. Select the Internet access point to connect to the update server. The application downloads the latest virus definition database and takes it into use immediately.



For more information, see the User Guide of your device.

3. When the update is complete, press **OK** to scan your device for viruses. For more information on scanning, see *“Running a Manual Scan”*, 16.

3.6.1 Version Updates

When a new F-Secure Mobile Security version is available, a message asks you to download it. After downloading the new version, the application shuts itself down. The old version is removed and the upgrade is installed. When the upgrade is finished, the application restarts.



If the virus definition database update requires a software update to work properly, the upgrade is downloaded automatically.

3.6.2 Upgrading the Application Manually

To upgrade the application manually:

1. Download the new version.
2. Do one of the following:
 - If you are upgrading F-Secure Mobile Security, install the new version. For instructions, see “*Installing and Activating*”, 8.
 - If you have F-Secure Anti-Virus installed on your device, first uninstall it, and then install F-Secure Mobile Security.
3. Activate the new version with your key code. For instructions, see “*Activating*”, 9.

3.7 Purchasing Subscription Service Time

You can purchase more subscription service time in one of the following ways:


- SMS-based purchase
- Purchasing through PC browser

To keep your device continuously protected, you should purchase additional service time well before the expiration date. The additional service time purchased is either added to the time remaining in your previous order or to your free evaluation period.

To purchase more subscription service time by sending an SMS (only if enabled by your operator):

1. Go to the Subscription Info screen.
2. Press **Purchase**. The Select Method screen is displayed.
3. Press **Options** > **Select** to select the **Phone bill** payment method.
4. When prompted to accept payment, press **OK** to complete your subscription service time purchase.
5. In the response SMS, you receive a confirmation of your purchase and a code for activating the service.

To purchase more service subscription time through your PC browser:

1. Open <http://www.f-secure.com/estore/avmobile.shtml> in the web browser with your computer.
2. Enter your subscription number in the *Subscription Number* field to identify your subscription.
 -  *F-Secure eStore accepts the most commonly used credit cards and wire/bank transfers.*
3. Follow the instructions on the screen.

3.8 Firewall

The firewall in F-Secure Mobile Security works quietly in the background. It monitors incoming and outgoing Internet and network information, and protects you from intrusion attempts.

The firewall protection level has been set to *Normal*. This level gives you good protection and does not affect using the most common applications.

3.8.1 Protection Levels

The firewall has five protection levels:

Level	Description	Protection
Allow All	Allows all network traffic. Does not stop any incoming or outgoing connections.	No protection.
Normal	Allows all outgoing connections. Recommended level.	Good protection
High	Allows most commonly used applications.	High protection
Deny All	Stops all network traffic. You cannot use your e-mail, MMS or web services.	Total protection.

3.9 Troubleshooting

For troubleshooting instructions and answers to frequently asked questions, see <http://mobile.f-secure.com/FAQ/faqs60.html>.



Technical Support

Overview.....	26
Virus Descriptions on the Web	26
Electronic Mail Support.....	26

Overview

F-Secure Technical Support is available by e-mail and from our Web site. You can access our Web site from within F-Secure Mobile Security or from your Web browser.

For Technical Support of all F-Secure products, go to F-Secure Support Center at: <http://support.f-secure.com/enu/home/>.

Virus Descriptions on the Web

F-Secure Corporation maintains a comprehensive collection of virus-related information on its Web site. To view the Virus Information Database, connect to: <http://www.F-Secure.com/virus-info/>.

Electronic Mail Support

If you have questions about F-Secure Mobile Security not covered in the manual or online services at <http://www.F-Secure.com/>, you can contact your local F-Secure distributor or F-Secure Corporation directly.

For technical assistance, please contact your local F-Secure Business Partner. Send your e-mail to: Anti-Virus-<country>@F-Secure.com

Example: Anti-Virus-Norway@F-Secure.com

If there is no authorized F-Secure Mobile Security Business Partner in your country, you can request basic technical assistance from: Anti-Virus-Support@F-Secure.com

When contacting support, prepare and include the following information in your support request:

- Name and version number of your F-Secure software program (including the build number, if available).
- Name and version number of your operating system (including the build number).
- A detailed description of the problem, including any error messages displayed by the program, and any other details, which could help us duplicate the problem.

When contacting F-Secure support by telephone, please do the following so that we may help you more effectively and save time:

- have your device at hand, so you can follow instructions given by the support technician, or be prepared to write down instructions.
- Have your device turned on and (if possible) in the state it was in when the problem occurred.



About F-Secure Corporation

F-Secure Corporation is the fastest growing publicly listed company in the antivirus and intrusion prevention industry with more than 50% revenue growth in 2004. Founded in 1988, F-Secure has been listed on the Helsinki Stock Exchange since 1999. We have our headquarters in Helsinki, Finland, and offices in USA, France, Germany, Italy, Sweden, the United Kingdom and Japan. F-Secure is supported by service partners, value added resellers and distributors in over 50 countries. F-Secure protection is also available through mobile handset manufacturers such as Nokia and as a service through major Internet Service Providers, such as Deutsche Telekom, France Telecom and Charter Communications. The latest real-time virus threat scenario news are available at the F-Secure Antivirus Research Team weblog at <http://www.f-secure.com/weblog/>.

Services for Individuals and Businesses

F-Secure services and software protect individuals and businesses against computer viruses and other threats coming through the Internet or mobile networks. Our award-winning solutions include antivirus and desktop firewall with intrusion prevention, antispam and antispymware solutions. Our key strength is our proven speed of response to new threats. For businesses our solutions feature a centrally-managed and well-integrated suite of solutions for workstations and servers alike. Focused partners offer security as a service for companies that do not wish to build in-house security expertise.

Visit our website at <http://www.f-secure.com/products/> to learn more about our products and services.

