

F-Secure Mobile Anti-Virus

for Smartphone

User's Guide



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How This Guide Is Organized

F-Secure Mobile Anti-Virus for Smartphone User's Guide describes how to install and use F-Secure Mobile Anti-Virus for Smartphone. It is divided into the following chapters and appendices:

Chapter 1. *Introduction.* Provides general information about the functionality and features of F-Secure Mobile Anti-Virus for Smartphone.

Chapter 2. *Installation.* Explains how to install F-Secure Mobile Anti-Virus for Smartphone.

Chapter 3. *User Interface.* Describes the F-Secure Mobile Anti-Virus user interface.

Chapter 4. *Startup and Shutdown.* Explains how to start and shut down F-Secure Mobile Anti-Virus.

Chapter 5. *Configuration.* Gives instructions on configuring the scanning and update settings.

Chapter 6. *Virus Scan.* Explains how to scan files for viruses.

Chapter 7. *What to Do If a Virus Is Found.* Explains how to view details of infected files and what to do if a virus is found.

Chapter 8. *Updating.* Explains how to keep F-Secure Mobile Anti-Virus up to date.

Chapter 9. *Troubleshooting.* Provides solutions to common problems.

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 guide.

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.

Courier New is used for messages on your computer screen.

Courier New bold is used for information that you must type.

SMALL CAPS (BLACK) is used for a key or key combination on your keyboard.

[Arial underlined \(blue\)](#) is used for user interface links.

Times New Roman regular is used for window and dialog box names.

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

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1.1 F-Secure Mobile Anti-Virus

In this guide, F-Secure Mobile Anti-Virus for Smartphone is referred to as F-Secure Mobile Anti-Virus.

F-Secure Mobile Anti-Virus is an antivirus program that protects data stored on your Smartphone against malicious code attacks. It automatically scans all files when they are accessed. When F-Secure Mobile Anti-Virus detects an infected file, it immediately quarantines it to protect all other data on your Smartphone.

For the F-Secure Mobile Anti-Virus application to work effectively, you must keep it up-to-date. You can keep the application up-to-date by downloading the latest virus definition databases and application upgrades automatically from your update server.

1.2 Key Features

F-Secure Mobile Anti-Virus has the following key features:

Extensive scanning

The application automatically scans all files when they are accessed (if you have selected real-time scanning). Viruses are scanned on your Smartphone, so it is protected from malicious code even if you transfer programs from other Smartphones or computers that do not have antivirus software installed. You can also manually scan your Smartphone for viruses whenever you want.

Automatic updates

The application automatically downloads regular updates to keep the virus definition database up-to-date (if you have selected automatic updates). This enables finding and removing even the most recently found viruses and ensures that you always have the best possible protection. F-Secure Mobile Anti-Virus also offers the possibility to receive updates using a wireless connection (GSM/GPRS dial-up or WLAN).

2

INSTALLATION

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2.1 System Requirements

To use F-Secure Mobile Anti-Virus, your Smartphone must meet the following minimum requirements:

Table 2-1: Smartphone Requirements

Operating system:	Windows Mobile 2003 Second Edition software for Smartphone
Supported devices:	<ul style="list-style-type: none">■ QTEK 8010 (Windows Mobile Smartphone 2003 Second Edition)■ T-Mobile SDA (Smartphone 2003 Second edition)■ SDA music (Smartphone 2003)

2.2 Installing F-Secure Mobile Anti-Virus

You can install the application in one of the following ways:

- Directly on your Smartphone; see “[Direct Installation](#)”, 16
- By connecting your Smartphone to your computer and using Active Sync; see “[Installation Using Your Computer](#)”, 17

2.2.1 Direct Installation

For installing the application directly on your Smartphone:

1. Transfer the installation file (.cab file) to your Smartphone.
2. In File Explorer, locate the application installation package.
3. Select the .cab file and press the ACTION key to start the installation process. The installer automatically places all the application components into the correct folders.
4. After installing the application, you are prompted to restart your Smartphone. Press **Yes**.

5. After you restart your Smartphone, the Product Activation wizard is launched. Follow the instructions on the screen. For more information on activating the application, see “*First-Time Start-Up (Activation)*”, 24.

2.2.2 Installation Using Your Computer

For installing the application on your Smartphone using a computer, you must have the .exe file on the computer.

To install F-Secure Mobile Anti-Virus using a computer:

1. Run the installation program manually by selecting the F-Secure Mobile Anti-Virus .exe file and pressing the Action button.
2. If your Smartphone is connected to the computer, the ActiveSync pushes the installation files to your Smartphone and installs all application components into the correct folders.
If your Smartphone is not connected to the computer during the installation process, the ActiveSync installs the application components during the next ActiveSync session.
3. After installing the application, you are prompted to restart your Smartphone. Press **Yes**.
4. After you restart your Smartphone, the Product Activation wizard is launched. Follow the instructions on the screen. For more information on activating the application, see “*First-Time Start-Up (Activation)*”, 24.

2.3 Uninstalling F-Secure Mobile Anti-Virus



IMPORTANT: *If you need to uninstall the application from your Smartphone, make sure that you do not have any quarantined or infected files in your Smartphone.*

You can uninstall the application either from the Smartphone itself or through your computer.

To uninstall the application from your Smartphone:

1. Close the application by pressing the **Menu** button and selecting **Exit**.
2. When prompted to confirm exiting F-Secure Mobile Anti-Virus, press **Yes**.
3. On the Start menu, select **Settings→More...→Remove Programs**.
4. Select **F-Secure Mobile Anti-Virus**.
5. Press the **Menu** button and select **Remove**.
6. When prompted to confirm the removal, press **Yes**.
All the application components are removed.

To uninstall the application using your computer:

1. Close the application by pressing the **Menu** button and selecting **Exit**.
2. All the applications that have been installed from the *Set-Up.exe* file using ActiveSync appear on the ActiveSync application list. To view the list of installed applications, click **Add/Remove Programs** on the ActiveSync **Tools** menu.
3. From the list of installed applications, select **F-Secure Mobile Anti-Virus**, and click **Remove**.
All the application components are removed.

3

USER INTERFACE

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3.1 Main View

The F-Secure Mobile Anti-Virus main view displays:

- Real-time scanning status
- Update status
- Subscription status
- Infection status

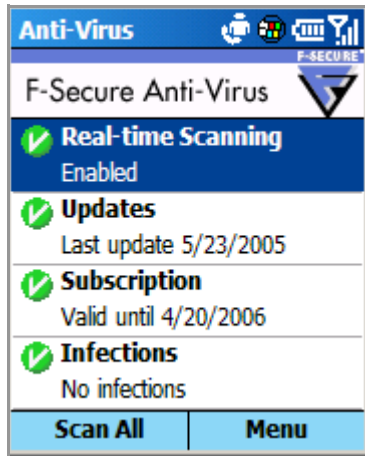


Figure 3-1 Main view

3.1.1 Main View Buttons

The main view has two buttons:

- **Activate** - activate the application (first-time start-up); available if activation has not been completed, OR
- **Scan All** - scan all files on your Smartphone and on the inserted memory card for viruses; available if activation has been completed
- **Menu** - displays the menu commands

3.1.2 Main Menu

The main menu has the following commands:

- **Scan All** (available if activation has not been completed) - scan all files on your Smartphone and on the inserted memory card for viruses
- **Update** (available if activation has been completed) - download the latest update
- **Infections** (available if there are infections in the system) - open the Infected Files view
- **Subscribe** (available if activation has been completed) - display the Subscribe screen



*Depending on how and where you purchased the product, the **Update** menu may have either a **Subscribe** or **Cancel Subscription** command.*

- **Settings** - open the Settings view to edit the Anti-Virus configuration
- **About** - display information about the application, such as copyright information and the software version, and URL to F-Secure Corporation's international web page
- **Exit** - shut down the application



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



4

STARTUP AND SHUTDOWN

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4.1 Starting F-Secure Mobile Anti-Virus

After successfully installing the application, you need to activate it (first-time start-up). For more information about the activation, see “*First-Time Start-Up (Activation)*”, 24.

Next time when you turn on your Smartphone, the application starts up automatically (normal start-up). If you have selected real-time scanning, the real-time scanner is started. You should scan all files to ensure your Smartphone is clean. We also recommend scanning your Smartphone whenever prompted by the application. For more information about the normal start-up, see “*Normal Start-Up*”, 28.

4.1.1 First-Time Start-Up (Activation)

Activating F-Secure Mobile Anti-Virus is a three step process:

Step 1. Start the Activation Process, 24

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Step 3. Update F-Secure Mobile Anti-Virus, 25

Step 1. Start the Activation Process

After you have installed F-Secure Mobile Anti-Virus for Smartphone and restarted your Smartphone, the Product Activation Welcome screen is displayed. Tap **Yes** to start the activation process



*If files are missing or corrupted, or there is not enough memory to start the application, an error message is displayed. For more information, see **Chapter 9. Troubleshooting**.*

Step 2. Get an Activation Code

There are three ways to activate the antivirus update subscription. Select one of the following options that is displayed on your Smartphone:

- Activate the free evaluation period. Tap the **Free Evaluation** button and tap Next.
 - ❗ *When the 30 day free evaluation period is over you must reactivate your service account with a subscription number.*
- Purchase an activation code from the F-Secure eStore. Open the website <http://www.f-secure.com/estore>, find the link for F-Secure Mobile Anti-Virus for Smartphone and purchase an activation code. Type the activation code into the boxes and tap **Next**.
- If your Smartphone was given to you by your work, contact your Information Technology department and they can provide you with a activation code. Type the activation code into the boxes and tap **Next**.

Step 3. Update F-Secure Mobile Anti-Virus

1. A new virus definition database is downloaded automatically.

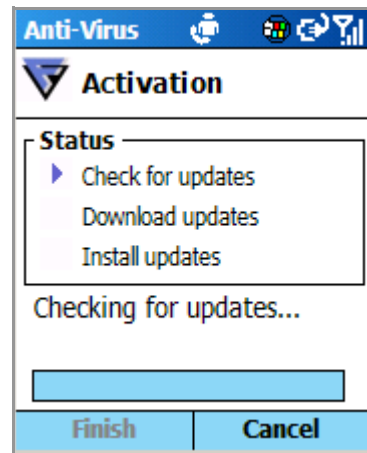





Figure 4-1 Product Activation Wizard - Checking for Updates

The Product Activation screen displays the following icons:


Table 4-1: Product Activation Screen Icons

Icon	Description
	The task is currently active.
	The task has been completed successfully.
	The task has failed because of an error.

2. If an application upgrade is available, press **Yes** to download it. Tap **No** to continue the activation process without downloading the upgrade.



If the virus definition database version requires an application upgrade, it is downloaded automatically.

3. When the download is complete, a screen informs you that the activation is complete and the virus protection is up-to-date.
 -  *If the application could not connect to the update server, the updating failed, or the subscription could not be authenticated, an error message is displayed. For more information on update errors, see [Chapter 9. Troubleshooting](#).*

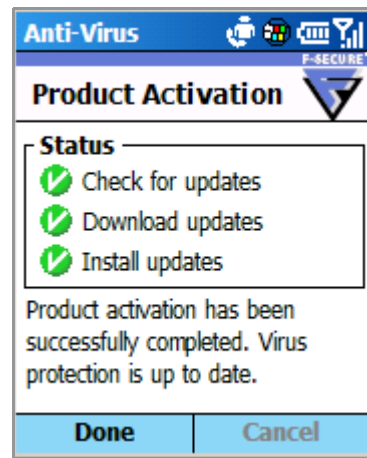



Figure 4-2 Product Activation Wizard - Activation completed


4. Press **Done** to complete the activation. If new updates were downloaded, you will be prompted to scan your Smartphone. Press **Yes**.
 -  *We strongly recommend scanning your Smartphone whenever prompted by the application.*

4.1.2 Normal Start-Up

Normal start-up is executed when you open the application after successfully completing the activation. The application starts automatically when you switch on your Smartphone. During the start-up process, the application checks whether the virus definition database is up-to-date.

If there were known infections when F-Secure Mobile Anti-Virus was last running and you chose not to delete the infected files, next time you start F-Secure Mobile Anti-Virus, you are prompted to run a full scan.

To start F-Secure Mobile Anti-Virus:

1. Open the application by pressing **Start→More...→**  **Anti-Virus**.
2. If you are prompted to run a virus scan, press **Yes**.



*Pressing **No** cancels the query and takes you back to the main view.*

4.2 Shutting Down F-Secure Mobile Anti-Virus



WARNING: By shutting down F-Secure Mobile Anti-Virus, you exit the application. After you exit the application, the system is not protected against viruses as you cannot use real-time scanning and keep the infected files in the quarantine.

To shut down F-Secure Mobile Anti-Virus:

1. In the main view, press **Menu→Exit**.
2. Press **Yes** to confirm shutting down the application.

4.3 Hiding the User Interface

Hiding the user interface keeps the application running in the background.

To hide the F-Secure Mobile Anti-Virus user interface:

⇒ Press the HOME key to return to the Home screen or the BACK key to return to the previous screen. The application user interface is hidden. Hiding the user interface allows you to use real-time scanning and to keep the files in the quarantine.



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CONFIGURATION

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5.1 Overview

Configuring F-Secure Mobile Anti-Virus involves setting up the configuration options that help you protect your Smartphone against viruses and harmful content in all file types. Correctly configured, F-Secure Mobile Anti-Virus detects and deletes all malware that enters your Smartphone through wireless IP connectivity, infrared connections and removable memory cards. The configuration options include settings for:


- **Real-time scanning** - check the box to select real-time scanning
- **Automatic updates** - check the box to select automatic updates



IMPORTANT: *You must have an active connection to the Internet for the application to check for updates. The application does NOT open a connection itself*

5.2 Setting Configuration Options

To set the configuration options:

1. Open the Settings view by pressing the **Menu** button and selecting **Settings**.
2. On the Settings screen, select the desired options:
 - **Real-time scanning** - check the box to set the application to automatically scan files for malicious content when files are accessed or modified.
If you select real-time scanning, the application runs in the background, and when a virus is found in a file, it is immediately quarantined and added to the file list for further processing.
 - **Automatic updates** - check the box to set the application to automatically download updates.
 *You can manually update F-Secure Mobile Anti-Virus whenever you want by pressing **Menu**→**Update**.*
3. Press **Done** to return to the main view.

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VIRUS SCAN

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6.1 Overview

F-Secure Mobile Anti-Virus is configured to provide you with complete protection against malicious code attacks. If you have selected real-time scanning, when the data on your Smartphone is accessed or modified, the application automatically scans it for malicious content.

F-Secure Mobile Anti-Virus detects and deletes all malware that enters your Smartphone through wireless network and infrared connections, and removable memory cards. If you want to make sure there are no infected files in your Smartphone, you can manually scan all the data for viruses whenever you want.



IMPORTANT: *If you do not select real-time scanning, you should remember to run a manual scan each time you transfer new data to your Smartphone.*

6.2 Scanning Options

There are two scanning options you can use: real-time and manual scanning:

- **Real-time scanning** (recommended) - set the application to automatically scan files for malicious content when they are accessed or modified. When you select real-time scanning, the application runs in the background. When a virus is found in a file, the file is immediately quarantined and added to the file list for further processing.




IMPORTANT: *If you do not select real-time scanning, you should remember to do a manual scan each time you transfer new data to your Smartphone.*

- **Manual scanning** - manually run a full scan on your Smartphone.

6.3 Running a Manual Scan

To run a manual scan:

1. Start the application by selecting **Start → More... →**  **Anti-Virus**.
2. In the main view, press **Menu → Scan All**.
3. The F-Secure Mobile Anti-Virus scans all the data on your Smartphone.

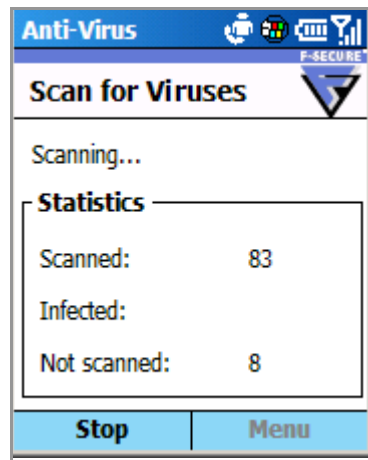


Figure 6-1 Scanning for Viruses

4. When scanning is complete, the scanning results are displayed.

6.4 Viewing Scan Results

When scanning is complete, the scanning results are displayed. If viruses were detected during scanning, you are prompted to view the infections. For more information on viewing infections, see “[Viewing Details of Infected Files](#)”, 42.

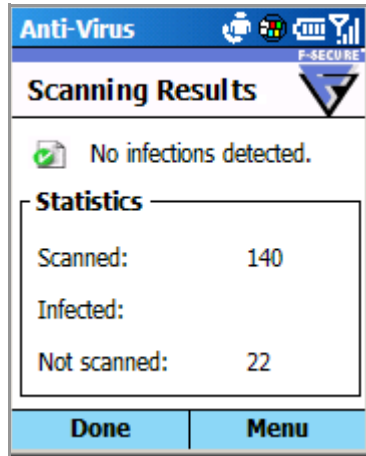





Figure 6-2 Scanning Results

An icon appears in the Scanning Results screen. See the table below for more information.

Table 6-1: Scanning Results Screen Icons

Icon	Explanation
	No infections were detected.
	Infections were detected.
	Scanning was stopped by user.

The Scanning Results screen displays the following statistics:

- Scanned:** The number of the files that were scanned.
- Infected** The number of the infections found. For more information about removing infected files, see “[What to Do If a Virus Is Found](#)”, 44.
- 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.

6.4.1 Viewing List of Not Scanned Files

To view the list of not scanned files:

- ⇒ In the Scanning Results screen (Figure 6-2), press **Menu→View Not Scanned Files**. The Not Scanned Files screen is displayed.

6.4.2 Viewing Details of Not Scanned Files

To view the details of not scanned files:

1. In the Not Scanned Files screen, select the not scanned file, and press **Details**.

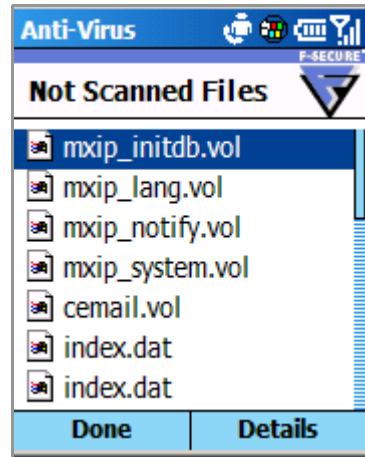


Figure 6-3 Not Scanned Files

2. The File Details screen is displayed.

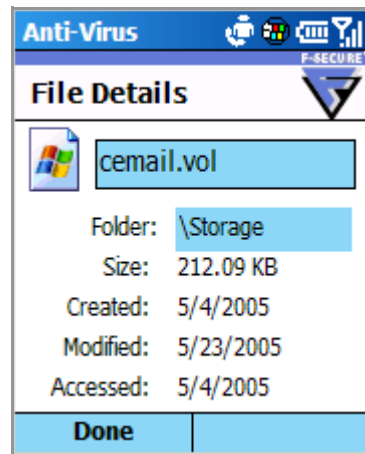


Figure 6-4 File Details

The following information is displayed on a not scanned file:

- File names
 - Folder
 - Size
 - Dates when the file was:
 - Created
 - Modified
 - Accessed
3. Press **Done** to return to the Not Scanned Files screen.



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WHAT TO DO IF A VIRUS IS FOUND

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7.1 Overview

F-Secure Mobile Anti-Virus works in the background and scans your files automatically. When it finds a virus in a file, the infected file is automatically quarantined. The quarantined file is locked up and cannot be accessed. You can afterwards delete or release the infected file. If you delete an infected file, it is removed completely. If you release an infected file, it is not quarantined any more and the system is not protected from the viruses the file contains.

7.2 Viewing Details of Infected Files

To view details of the infected file(s):

1. If the application detects viruses during a scan, you are prompted to view the detected infection(s).
2. Press **Yes** to view the infected file(s), or **No** to close the view.



*You can view the infections by pressing **Menu→View Infected Files** in the Scanning Results screen.*

The Infected Files screen (Figure 7-1) contains a list of infected files on your Smartphone. The first column of the text indicates the name of the infected file and the second line shows the state of the file (quarantined, released).



If only one infected file is detected, the Infected File Details screen (Figure 7-1) is displayed.

3. Select the infected file, and do one of the following to see the details of the selected file:
 - Press the ACTION key
 - Press **Menu→Details**.

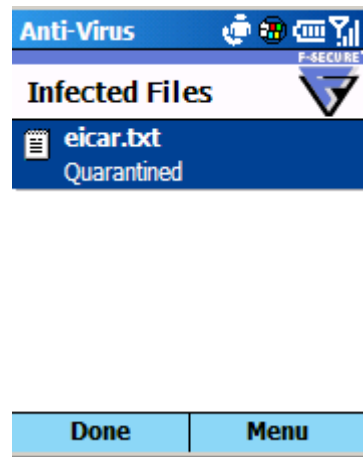


Figure 7-1 Infected Files



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

4. The Infected File Details screen displays the name of the infected file, the full path, a list of infections that the file contains, and if the file has been quarantined.

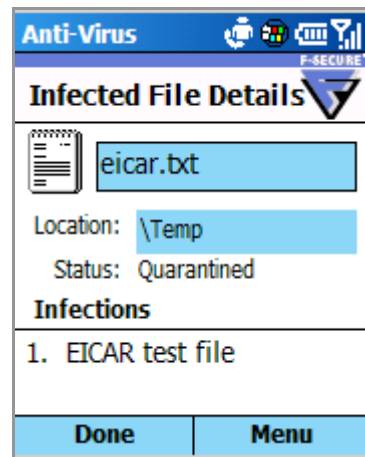


Figure 7-2 Infected File Details

7.3 What to Do If a Virus Is Found

When F-Secure Mobile Anti-Virus finds a virus in a file, you can process the infected file(s) in one of the following ways:

Action	Description
Delete	The file is removed.
Quarantine	The file is locked up and cannot be accessed when F-Secure Mobile Anti-Virus is running in the background.
Release	The file is not quarantined any more and the system is not protected from the viruses it contains. Be aware of the risks involved in releasing infected files.



IMPORTANT: *If F-Secure Mobile Anti-Virus finds viruses in your e-mail, remember to delete the infected attachments also from Microsoft Outlook on your computer.*

To process infected files:

1. In the Infected Files screen, select the infected file to be processed.
2. Press **Menu** and select the desired action:
 - **Delete** - a confirmation message prompts you to confirm the deletion.
 - **Quarantine**
 - **Release** - a confirmation message prompts you to confirm releasing the file.
3. Press **Done** to return to the previous screen.

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UPDATING

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8.1 Overview

You can keep F-Secure Mobile Anti-Virus up to date by downloading the latest virus definition databases and application upgrades from antivirus update server. The virus definition database contains information of all the viruses that the application can find during the scan. If you have selected automatic updates, F-Secure Mobile Anti-Virus downloads new updates daily when it detects an open Internet connection. You can also manually download the updates.

Only an up-to-date virus definition database enables finding and removing even the most recently found viruses, and ensure you the best possible protection.



IMPORTANT: You must have an active connection to the Internet for the application to check for updates. The application does NOT open a connection itself.

8.2 Viewing Update Information

You can see the date of the last update on the application main view.

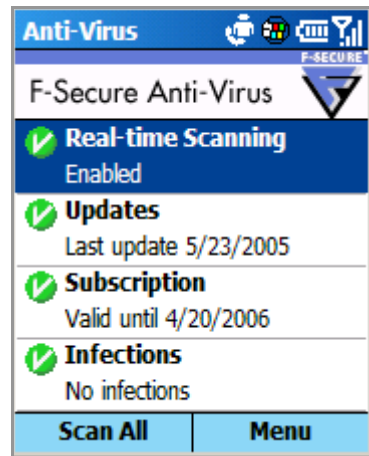


Figure 8-1 Main view

The following information is displayed:

Real-time scanning	The status (enabled/disabled) of real-time scanning.
Updates	The date of the last update.
Subscribe	The expiration date of the antivirus service. You should renew your subscription prior to the expiration.
Infections	The number of infections detected.



Your F-Secure Mobile Anti-Virus includes a license. When your license is valid, you can freely update your F-Secure Mobile Anti-Virus. When your license expires, you can update your F-Secure Mobile Anti-Virus only after renewing your license.

8.3 Updating F-Secure Mobile Anti-Virus

You can run a manual update, or you can set an automatic update. You need an active connection to the Internet for checking updates.

8.3.1 Automatic Updates

When you have selected the Automatic Update feature, the application downloads new updates daily when it detects an open Internet connection.



IMPORTANT: *You must have an active connection to the Internet for the application to check for updates. The application does NOT open a connection itself.*

For information about selecting automatic updates, see “[Setting Configuration Options](#)”, 32.

8.3.2 Manual Updates

To run a manual update:

1. Press **Menu**→**Update** to launch the Update Wizard.
2. The Update Wizard Confirm Update screen is displayed. Press **Yes** to connect to the update server.

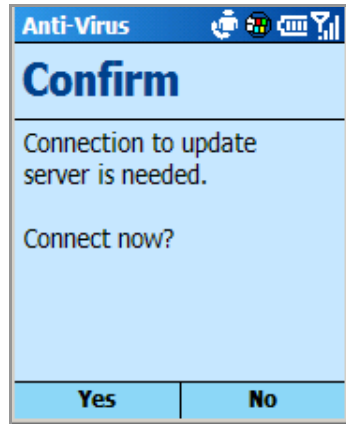


Figure 8-2 Update Wizard - Confirm Update

3. The application connects to the update server and downloads the latest virus definition database. The application takes the virus definition database update into use immediately.
4. If a new application upgrade is available, you are prompted to download it. Press **Yes** to download the upgrade or **No** to continue without downloading it.
 - i** *If the application upgrade is required, you are not prompted to download the upgrade, but it will be downloaded automatically. If you select not to download the upgrade, only the virus definitions database update is downloaded.*
5. After you have completed downloading new updates, you are prompted to scan your Smartphone. Press **Yes** to run a full scan. For information on scan results, see "[Viewing Scan Results](#)", 36.
6. Press **Done** to return to the main view.

9

TROUBLESHOOTING

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9.1 Questions and Answers

Q. How do I know that application is working?

A. You can copy the EICAR antivirus test file into your Smartphone. The test file is not a virus. After the virus scan, you should be informed that the EICAR Test File was found. You can download the test file from <http://www.eicar.com/>.

Q. Do I lose all my data when I delete an infected application?

A. It depends on the infected application and the infection. You do not lose any data that the infected application kept in a separate database. Only the application will be deleted and after you reinstall it, you can continue to use the application as usual. However, in some cases you might lose some of your data, so back up your files regularly.

9.2 Unable to Connect to Update Server/Update Failure

Q. I am unable to get the updates. What can I do?

A. Check the Internet access point settings with your operator. You should also check that the date and time settings in your Smartphone are correct.



The Internet access point settings are operator-specific.

9.3 Update Service Could Not Authenticate Your Smartphone

Q. I get a notification that the antivirus service is unable to transfer subscription to my Smartphone. Why?

- A. This error message is displayed when the update server cannot authenticate the subscription. Reasons for the authentication failure can be as follows:
- You have accessed the F-Secure Mobile Anti-Virus installation folder files.
 - There have been more than four attempts to move the F-Secure Mobile Anti-Virus installation and service subscription to another Smartphone.

9.4 Service Has Expired or About to Expire

- Q. What should I do when one of the following messages appear on my Smartphone screen?



Figure 9-1 Service Expired or About to Expire

- A. If your subscription has expired or is about to expire, the application notifies you by showing one of the above messages.

If your subscription has expired or is expiring and you want to renew it, press **Yes** to purchase more subscription service time. The other message simply reminds you that your subscription is going to expire in a number of days. The message will disappear in few seconds.



The subscription options operator-specific.

9.5 Virus Definition Database Corrupted or Missing and Virus Protection Not Updated



Figure 9-2 Virus Definition Database Corrupted or Missing

- Q. My virus definition database seems to be corrupted or it has not been updated for x days. What should I do?**
- A. You should immediately update your virus definition database. After that, press **Menu→Settings**, then select **Real-time scanning**, and press **Done**.



Technical Support

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Overview

F-Secure Technical Support is available by e-mail or from our Web site.

Please include the following information with your support request:

- The version number of any F-Secure product (including the build number).
- The name and the version number of your operating system (including the build number).
- The Smartphone model name.
- A detailed description of the problem, including any error messages displayed by the F-Secure Mobile Anti-Virus for Smartphone, and any other details, which could help us reproduce the problem.

Web-Based Support

The F-Secure Support Center can be found at <http://www.F-Secure.com/support/> and our wireless site at <http://www.F-Secure.com/wireless>, which has more detailed information about Smartphone related issues.

Electronic Mail Support

You can request technical assistance from Handheld-Support@F-Secure.com.

If you have questions about F-Secure not covered in the manual or on-line services at <http://www.F-Secure.com/>, you can contact F-Secure Corporation directly, either from our web site or by sending us e-mail.

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.



www.f-secure.com