ESET Mobile Antivirus

For Windows Mobile

Installation Manual and User Guide



ESET Mobile Antivirus For Windows Mobile

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contents

1.	Installation of ESET Mobile Antivirus	4
1.1	Minimum system requirements	4
1.2	Installation	4
	1.2.1 Installation on your Device	4
	I.2.2 Installation using your computer	4
1.3	1311 Isername and password	6
	1.3.2 Registration key	6
1.4	Uninstalling	6
2.	On-access scanner	7
2.1	Settings	7
2.2	Testing On-access Scanning	8
3.	On-demand scanner	8
3.1	Running a Whole device scan	8
3.2	Scanning a folder	9
3.3	Settings	9
3.4	Scan objects setup	10
4.	Virus found	10
4.1	Quarantine	11
5.	Spam filter	11
5.1	Settings	11
5.2	Whitelist / Blacklist	12
5.3	Locating blocked (Spam) messages	12
5.4	Deleting Spam Messages	13
6.	Update	13
6.1	Updating using your computer	13
6.2	Settings	13
7.	Viewing Logs and statistics	14
8.	Troubleshooting	15
8.1	Connection to update server failed	15
8.2	Unsuccessful Installation	15
9.	Technical support	16

1. Installation of ESET Mobile Antivirus

1.1 Minimum system requirements

To install ESET Mobile Antivirus, your mobile device must meet the following minimum requirements:

ESET Mobile Antivirus	Recommended	Minimum
Processor	400 Mhz	200 Mhz
Memory	1 MB	
Operating System	Windows Mobile 5, 6.0, 6.1	

Most PDA and Smartphone mobile devices fulfill these requirements.

1.2 Installation

Save all open documents and exit all running applications before installing.

You can install ESET Mobile Antivirus directly on your device or use your computer.

1.2.1 Installation on your Device

To install ESET Mobile Antivirus directly on your device, download the .cab installation file by WiFi, Bluetooth file transfer or email attachment (it is similar to an .msi file on your PC).

After downloading the .cab file, tap **Start > File Explorer** to locate the file and tap it to launch the installer.

File Explorer	**	Y _x 4(: 🔀
📗 Storage Card 🗸		Name 🗸
ESET Mobile A	8/6/08	183K
		Мари
oh 🖷		Menu

Figure 1-1: Installation package



Figure 1-2: Installation progress

When you see the message that the program was installed successfully, tap **ok** to complete installation.

餐 ESET	_ #* Ÿx �€ ok	
ESET Mobile Antivirus successfully installed device.	s.CAB was on your	
If you need more storage space, you can remove installed programs.		

Figure 1-3: Successful installation

After installation, you can modify the program settings. However, the default configuration provides the maximum level of protection against malicious programs.

1.2.2 Installation using your computer

To install ESET Mobile Antivirus using your computer (via Active Sync in Windows XP or Windows Mobile Device Center in Windows 7 and Vista), download and run the installation package (.exe file) on the computer to which your mobile device is connected and then follow the instructions in the installation wizard.

Warning: For successful installation in Windows Vista and Windows 7, it is necessary to be logged in as a user with admin privileges.

Verify that your system meets the minimum requirements for ESET Mobile Antivirus (see section 1.1, "Minimum system requirements") and click **Next**.

ESET Mobile Antivirus		×		
Pocket PC installat ESET Mobile Antivin	Pocket PC installation ESET Mobile Antivirus will be installed on your Pocket PC now			
ESET Mobile Antivirus This program will install ESET Mobile Antivirus the superior mobile virus protection - on your				
Please make sure that your device meets the following requirements:				
Processor: Operating system: Free space: Memory:	200 Mhz Windows Mobile 5.0 and later 0.9 MB 16 MB			
Before continuing please make sure that ActiveSync is installed and your device is connected and ready.				
Thank you for using ESET Mobile Antivirus				
	< Back Next > Cancel			

Figure 1-4: Launching the installer on your computer

In the next window, accept the End User License Agreement (EULA) and then click **Finish** to begin installation on your mobile device.

🖧 Add/Remove Programs 🛛 🗙	
Select a program's check box if you want to install it on your mobile device, or clear the check box if you want to remove the program from your device.	
Note: If a program that you installed is not listed, the program was not designed to be used on your mobile device.	
nloading Complete	X
mobile device screen to see if additional steps are necessary to complete this instal	lation.
ОК	
Space required for selected programs: Space available on device:	
Install program into the default installation folder	
Remove from both locations To remove the selected program from both your device and this computer click Remove	
	Add/Remove Programs Select a program's check box if you want to install it on your mobile device, or clear the check box if you want to remove the program from your device. Note: If a program that you installed is not listed, the program was not designed to be used on your mobile device. nloading Complete mobile device screen to see if additional steps are necessary to complete this instal OK Space required tor selected programs: Space available on device: Finstall program into the default installation folder Remove from both locations To remove the selected program from both your device and this computer, click Remove. Bernove. OK Cancel Help

Figure 1-5: Installation on the computer is complete

After the installation package has been copied to your mobile device, click **OK** to exit the installer on your computer. To finish installation, follow the steps described in section 1.2.1, "Installation on your device".

🐴 Start	,#* Ÿx €€
Installing ESET Mobile	e Antivirus.CAB
)

Figure 1-6: Installing the .cab file on your device

When installation is complete, the installer displays a message indicating that the program was successfully installed (Figure 1-3). Tap **ok** to exit installation. Then, activate ESET Mobile Antivirus by following the steps in section 1.3, "Product activation".



Figure 1-7: Installation is complete

1.3 Product activation

After installation, ESET Mobile Antivirus must be activated. If you are not prompted to activate your product, tap **Menu > Activate** from the main program window. There are two activation methods depending on how you acquired your product.

1.3.1 Username and password

If you purchased your product from a distributor, you received a username and password with your purchase. Select the **Login/Password** option, enter a current contact address in the **e-mail** field and then enter the information you received in the **Username** and **Password** fields. Tap **Activate** to complete activation.

1.3.2 Registration key

If you acquired ESET Mobile Antivirus with a new device (or as a boxed product), you received a Registration key with your purchase. Select the **Registration key** option, enter a current contact address in the **e-mail** field and then enter the information you received in the **Key** field. Tap **Activate** to complete activation. Your new authentication data (Username and Password) will automatically replace the Registration key and be sent to the email address you specified.

🏄 Activa	ite 🦞 🗱 📢 12:09
Please ente activate.	r obtained license data and press
Use	Login/Password 🗸
e-mail	Login/Password Registration key
Username	
Password	
Activat	e 🔤 Cancel

from the Internet. These transfers are charged according to your mobile provider.

1.4 Uninstalling

To uninstall ESET Mobile Antivirus from your mobile device, tap **Start > Settings**, tap the **System** tab and then tap the **Remove Programs** icon.



Figure 1-9: The Remove Programs icon in the Settings menu

In the **Remove Programs** list, select **ESET Mobile Antivirus** and tap **Remove**. Tap **Yes** when prompted to confirm uninstallation.



Figure 1-10: Select a program to be uninstalled

Figure.1-8: Program activation

Warning: When activating and updating ESET Mobile Antivirus, a small amount of data must be downloaded

🏄 Settings 🛛 📰 🏹 📢	
Remove Programs	
P Remove Program	
The selected program will be permanently removed. You may reload it from your desktop computer. Are you sure you want to remove it?	
Remove	
Total storage memory available: 16802k	(

Figure 1-11: Confirm uninstallation

After the program has been removed, tap **ok** to close the Remove Programs window.

2. On-access scanner

The main ESET Mobile Antivirus window (tap **Start** > **ESET Mobile Antivirus**) is the starting point for all instructions in this manual.

The On-access scanner checks files that you interact with in real time. Files that are run, opened or saved are checked for viruses automatically. Scanning takes place before any action is performed on a file, ensuring maximum protection. The On-access scanner launches automatically at system startup.

2.1 Settings

Tap **Menu > Settings > On Access** to enable or disable the following options:

Enable On Access scan – If selected, the On-access scanner runs in the background.

Heuristics – Select this option to apply heuristic scanning techniques.

Heuristics identifies new malware not yet detected by the virus signature database by analyzing code and recognizing typical virus behavior.

Run after restart – If selected, the On-access scanner will automatically initiate after restart.

Display scan in action status – Select this option to show scan status in the bottom right corner while scanning is in progress.

Show Shell Icon – Displays the ESET Mobile Antivirus icon on the main mobile device window.

🏄 On Access setting 🗹 📰 🍢 📢	
 Enable On Access scan Heuristics Run after restart Display scan in action status Show shell icon 	
Done Cancel	

Figure 2-1: On-access scanner settings

3. On-demand scanner

2.2 Testing On-access Scanning

To verify that real-time protection is working properly, select the **Display scan in action status** check box in the On-access settings window (see section 2.1, "Settings").

Then, open a file or initiate an activity (i.e., play a music file or take a picture). A **Scanning...** message should appear briefly in the bottom right corner (Figure 2-2).

NOTE: The **Display scan in action status** option uses additional battery power. We recommend deselecting this option (default setting) after testing real-time protection.

🐴 File Explorer	r 🖾 🖉	Y _x 📢 💌
📃 ESET Mobile Anti	virus 🗸	Name 🗸
📕 logs		
📕 Quarantine		
📕 SpamFilter		
📕 Temp		
🔊 emay	3/12/09	14.8K
回 Eset Mobile A	3/23/09	165K
🗿 EsetA¥_WM	3/12/09	29.3K
🔊 esetav_wm	3/12/09	857B
EsetOAMobile	4/9/09	131K
settings	6/25/09	666B
Notification	🦲 Sc	anning

Figure 2-2: On-access scanning

You can use the On-demand scanner to check your mobile device for the presence of infiltrations. By default, specific, predefined file types are scanned.

To run the On-demand scanner, tap **Scan** in the lower left corner of the main ESET Mobile Antivirus window.



Figure 3-1: An On-demand scan in progress

3.1 Running a Whole device scan

A Whole device scan checks memory, running processes, their dependent dynamic link libraries (DLLs) and files that are part of internal and removable storage.

NOTE: The memory scan is not performed by default. To activate it, tap **Menu > Settings > General** and select the **Memory Scan** check box.

From the main ESET Mobile Antivirus window, tap Scan > Whole device. System memory is scanned first (including processes found running in it and their dependent DLLs), and then files and folders are scanned. The full path and file name of each file scanned will be displayed briefly.



Figure 3-2: Whole device scan

3.2 Scanning a folder

To scan a single folder on your device, tap **Start > ESET Mobile Antivirus**. From the lower left corner, tap **Scan > Folder**, tap the folder you wish to scan and tap **Select** to begin scanning the selected folder. If Memory Scan is enabled (**Menu > Settings > General > Memory Scan**), it is performed as well.

NOTE: To abort a scan in progress, tap **Menu > Stop Scan** from the bottom right.



Figure 3-3: Scanning a folder



Figure 3-4: Select a folder to scan

3.3 Settings

To modify parameters related to scanning, tap **Menu > Settings > General**.



Figure 3-5: The Settings menu

The **General settings** window allows you to specify what action to take if a virus is found. Select the **Show alert dialog** option to display virus alert notifications.

The drop-down menu allows you to select an action to be performed automatically for infected files. You can select from the following options: **Delete infected file** (file will be removed), **Do nothing (not recommended)** and **Move to quarantine**.

The **Stored logs** drop-down menu allows you to define the maximum number of logs to be stored.

If the **Memory scan** option is selected (default setting), the device memory will automatically be scanned for active malicious programs prior to the actual file scan.

4. Virus found

If the **Heuristics** option is selected, ESET Mobile Antivirus uses heuristic scanning techniques. Heuristics is an algorithm-based detection method that analyzes the code and searches for typical virus behavior. Its main advantage is the ability to identify malicious software not yet known by the current virus signature database.

Archive nesting allows you to specify the depth of nested archives to be scanned.

Select **Archive deletion** to automatically delete archive files containing infected objects.

🐉 General settings 🛛 🐺 🍾 📢
Show alert dialog
Delete infected file 🗸 🗸
Stored logs 10 👻
Memory scan Heuristics
Archive nesting
Done 🚟 Cancel

Figure 3-6: General settings

3.4 Scan objects setup

To specify the file types to be scanned on your mobile device, tap **Menu > Settings > Extensions**.

The **Extension settings** window will display (Figure 3-7), showing the most common file types exposed to infiltration. Select the file types you wish to be scanned. To exclude an extension from scanning, deselect its check box.

To scan all files, deselect the **Extension sensitive** check box.

🐉 Extension :	settings 🚓 Ÿx ◀€		
Extension sensitive			
🖌 exe	Com		
✓ dll ✓ mei	✓ cab		
✓ dat	✓ Others		
Done	Cancel		

Figure 3-7: Advanced scan parameter setup

If a virus is found, ESET Mobile Antivirus will prompt you to take an action. We recommend you select **Delete infected file**. If you select **Do nothing (not recommended)**, no action will be performed and the infected file will remain on your mobile device. If you select **Move to quarantine**, the file will be moved to quarantine and deleted.

🐉 VIRUS FOUND 🛛 🖸	≝#≭₹x∔€			
VIRUS FO	UND			
Threat : Teststring.Eicar				
Infected file : \My Documents\eicar.com				
Do nothing (not recommended Delete infected file	d)			
Move to guarantine				
Delete infected file	_			
Done 🚟	Cancel			

Figure 4-1: Action if a virus is found

When a virus is detected, ESET Mobile Antivirus displays the **Show alert dialog** check box. Deselect this option to prevent alert windows from displaying in the future. All future actions will be performed automatically.

NOTE: If an infiltration is detected in an archive, the **Delete archive** option is available in the alert window. Select this option along with the **Delete infected file** option to delete all infected archive files.

🐴 VIRUS FOUND	⊠ # Ÿx ◀€		
VIRUS F	OUND		
Threat : Teststring.Eicar			
Infected file : \Storage Card\eicar.com.txt			
Show alert dialog			
Delete infected file	-		
Done 🚟	Cancel		
Figure 4-2: Virus found			

10

5. Spam filter

4.1 Quarantine

The main task of quarantine is to safely store infected files. Files should be quarantined if they cannot be cleaned, if it is not safe or advisable to delete them or if they are being falsely detected by ESET Mobile Antivirus.

Files stored in the quarantine folder can be viewed in a table that displays the date and time of quarantine and the path to the original location of the infected files.

You can restore quarantined files by tapping **Menu >** View > Quarantine > Options > Restore (each file will be restored to its original location). You can also choose to permanently remove the files by tapping **Options** > Delete. If you want your choice to apply to multiple files, tap **Options > Select all** before performing the desired action.

월 Quarantine	⊠ # 7x €
My Documents\eicar.com	4/27/09 8:23 PM
\Storage Card\eicar.com	4/27/09 8:31 PM
Restore	
Delete	
Select all	
Deselect all	
Options	Cancel

Figure 4-3: Quarantine

The Spam filter blocks unsolicited SMS messages that are sent to your mobile device.

Unsolicited messages usually include advertisements from mobile phone service providers or messages from unknown or unspecified users.

5.1 Settings

Tap **Menu > View > Statistics** to see statistical information about the number of received and blocked messages.

In the Spam filter settings (Menu > Settings > Spam Filter), the following filter modes are available:

Block SMS from contact list – Enable this option to allow SMS messages only from senders that are not in your address book. The Whitelist and Blacklist entries override this option.

Block SMS from unknown senders – Enable this option to accept messages only from contacts in your address book. The Whitelist and Blacklist entries override this option.

Select both **Block SMS from contact list** and **Block SMS from unknown senders** to automatically block all incoming SMS messages. The Whitelist and Blacklist entries override this option (see section 5.2, "Whitelist/ Blacklist").

To not block any messages, deselect both **Block SMS** from contact list and **Block SMS from unknown** senders to disable the Spam filter. All incoming messages will be accepted. The Whitelist and Blacklist entries override this option (see section 5.2, "Whitelist/ Blacklist").

월 Spam Filter	⊠ # Y _x €€		
Block SMS from contact list			
Block SMS from unknown senders			
Settings Blacklist V	/hitelist		
Done	🕮 🛛 Clear spam		

Figure 5-1: Spam filter

5.2 Whitelist / Blacklist

The Whitelist is a list of telephone numbers from which all SMS messages are accepted. Entries listed here override all options in the general spam filter setup (**Settings** tab).



Figure 5-2: The Whitelist

The Blacklist is a list of telephone numbers from which all SMS messages are blocked. Entries listed here override all options in the general Spam filter setup (**Settings** tab).

Warning: Adding a number/contact to the Blacklist will automatically move messages from that sender to the Spam folder.

To add a number or a contact to the Whitelist/Blacklist, select the tab for the list you want to modify and tap **Options**.



Figure 5-3: The Blacklist

5.3 Locating blocked (Spam) messages

The Spam folder is used to store blocked messages that are routed to it and is automatically created when the first spam message is deleted. To locate the Spam folder and review blocked messages, follow the steps below:

1. Open the program your device uses for text messaging. For example, from the Start menu tap **Messaging**.



Figure 5-4: Tap Messaging

2. Tap **Messages** to open the list of received items.



Figure 5-5: Tap Messages

NOTE: Your device will likely point to the folder most recently visited. To switch to another folder, such as the Spam folder, tap **Show** in the upper left (for Smartphones tap **Menu > Folders**).

3. Select the **Spam** folder.

Show 😽 🛛 Receive	
	ed 👻
🕂 🕮 Gmail	1K
⊡ 💷 Outlook E-mail ⊡ 💷 Text Messages	1K
	1K
Sent Items	
-	
Delete 🔤 Menu	1



5.4 Deleting Spam Messages

To delete spam messages from your mobile device, follow the steps below:

1. Tap Menu >Settings > Spam Filter.

2. Tap Clear spam.

3. Tap **Yes** to confirm the deletion of all spam messages.



Figure 5-7: Deleting Spam Messages

6. Update

By default, ESET Mobile Antivirus is installed with an update task to ensure that the program is regularly updated. You can also perform updates manually.

After installation, we recommend you run the first update manually. To do so, tap **Menu > Update**.

6.1 Updating using your computer

If your mobile device is not connected to the Internet, you can also update the virus signature database using your computer by following the steps below:

- Disable Internet updates under Miscellaneous settings (tap Menu > Settings > Update and deselect the Internet update option).
- 2. Download the file containing the most recent virus signature database to your PC.
- 3. Connect your device to your PC (Windows XP and earlier require that ActiveSync be installed. Windows 7 and Vista uses Windows Mobile Device Center).
- 4. Copy the virus signature database update file (EsetAV_WM.upd) to the ESET Mobile Antivirus installation directory (Program Files\ESET\ESET Mobile Antivirus).
- 5. Tap **Menu > Update**. ESET Mobile Antivirus will check the update file and, if the update file is not damaged, the latest virus signature database will be installed.

6.2 Settings

To configure the update settings, tap **Menu > Settings > Update**.

The **Internet update** check box enables or disables automatic updates. To set the time interval for the automatic update, use the **Auto update** drop-down menu. You can also specify the Internet server from which updates are downloaded (we recommend leaving the default setting of updmobile.eset.com). In the **Login** and **Password** fields, enter the username and password you received after purchasing ESET Mobile Antivirus.

🐉 Update settings 🛛 😭 🗱 🍾 📢				
✓ Internet update				
Internet server	updmobile.eset.com			
Login	DEV-00000000			
Password	****			
Auto update				
1 week	•			
Done	Cancel			





Figure 6-2: Downloading updates

NOTE: To prevent unnecessary bandwidth usage, virus signature database updates are issued as needed, when a new threat occurs. While virus signature database updates are free with your active license, you may be charged by your mobile service provider for data transfers. Please check with your mobile service provider. You can also update the virus signature database using your computer (see section 6, "Update")

7. Viewing Logs and statistics

The **Choose log** section (**Menu > View > Logs**) stores all file scan results and scan status reports, along with information about locked and infected files. Logs are created when a scan is initiated or when an infiltration is detected. All infected files are highlighted in red. At the end of each log entry is the reason why the file is included in the log.

System logs contain the following information:

- Time Date and time of the event
- Log name Log file name (usually in the form EsetAV_log_number.log)
- Scanned files
- Actions performed or errors encountered during the scan



Figure 7-1: Opening scan log

🐉 Choose log	ß	•••	۲ _×	€	
EsetAV.4.log	1	8/12/	/08	10:55	AM
EsetAV.3.log	;	8/12/	/08	10:55	AM
EsetAV.2.log	1	8/12/	/08	10:55	AM
View			Car	ncel	

Figure 7-2: Choose log

🏄 Yiew log 🛛 🗹 🗱 🏹 📢			
	*		
ESET Mobile Antivirus file scan			
Charles J. T			
Started: Tuesday, August 12, 2008 10:5			
Scanned memory	=		
Scanned files and folders			
\mxip_notify.vol is locked			
\mxip_swmgmt.vol is locked			
\mxip_system.vol is locked			
\mxip_lang.vol is locked			
\cemail.vol is locked			
\pim.vol is locked			
\Documents and Settings\default.vol is			
\Documents and Settings\system.hv is			
\Windows\compimeh.0409.dat is locke			
\Documents and Settings\default\user 🎽			
▲ III			
Done 🚟			

Figure 7-3: Log details

The statistics screen (**Menu > View > Statistics**) displays a summary of files scanned by the On-Access scanner and a summary of SMS Messages received. In addition, the totals of files quarantined by the On-Access scanner display here next to the sum of files in the Quarantine (this figure includes the results of the On-demand scan).

월 Statistics	⊠#°Yx⊀€
On Access	
Scanned files	44
Infected files	3
Deleted files	2
Quarantined files	0
Spam Filter	
Received SMS	0
Blocked SMS	0
Quarantine	
Quarantined files total	2
Options	Cancel

Figure 7-4: Statistics

8. Troubleshooting

This section provides solutions to common questions about ESET Mobile Antivirus.

8.1 Connection to update server failed

This error message is displayed after an unsuccessful update attempt if the program is not able to contact the update servers.

Try the following solutions:

1. Check your Internet connection

Open your Internet browser to http://www.eset.com to verify that you are connected to the Internet

2. Check if the program is using the correct update server.

To check the server address, tap **Menu > Settings** > **Update** and you should see **updmobile.eset.com** in the Internet server field.

8.2 Unsuccessful Installation

If an error message displays when you begin installation, the most common cause is installing the wrong version of ESET Mobile Antivirus for your device (installing ESET Mobile Antivirus for Pocket PC on a Smartphone or vice versa). When downloading the installation file from the ESET homepage, please make sure you are downloading the correct product version for your device.

9. Technical support

For administrative assistance or technical support related to ESET Mobile Antivirus or any other ESET security product, our Customer Care specialists are available to help. To find a solution to your technical support issue, you can choose from the following options:

To find answers to the most frequently asked questions, access the ESET Knowledgebase, here: http://kb.eset.com

The Knowledgebase contains an abundance of useful information on resolving the most common and current issues, with easy-to-use drill-down categories and an advanced keyword search.

To contact ESET Customer Care, use the support request form available here: http://www.eset.com/support/contact.php