Kanguru Defender Elite
User Manual

NOTICES AND INFORMATION

Please be aware of the following points before using your Kanguru Defender

Customer Service

To obtain service or technical support for your system, please contact Kanguru Solutions Technical Support Department at 508-376-4245, or visit www.Kanguru.com for web support.

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Defragmenting Flash Memory Warning

Do not attempt to defragment your Kanguru Defender Flash Drive. Flash memory does not need to be defragmented and does not gain any performance by doing so. Defragmenting your flash drive can actually degrade the flash memory which may reduce the drive's total capacity and lifespan.

Table of Contents

1. Introduction

The Kanguru Defender Elite is a hardware encrypted, tamper proof USB flash drive. The Defender Elite contains two partitions: a CD-ROM partition and a secure, encrypted partition. The CD-ROM partition contains the login application that will allow you to access the secured partition.

The Kanguru Defender flash drive secures your sensitive data using:
- 256-bit AES hardware encryption
- Secure password protection

1.1 Package Contents

Please check the contents of the package you received. If any of the parts listed below are missing, please contact Kanguru Solutions (508-376-4245) and you will be shipped replacement parts immediately.

- Kanguru Defender Elite USB Flash Drive
- Quick Start Guide
- Registration Form
- Lanyard
- USB Extension Cable (32GB-128GB models only)

1.2 Kanguru Defender Elite Models

The Kanguru Defender Elite comes in two models, depending on your drive's capacity. Differences between the models are detailed in section 1.5 *Technical Specifications* on page 7.

1GB - 16GB Model   **32GB - 128GB Model**
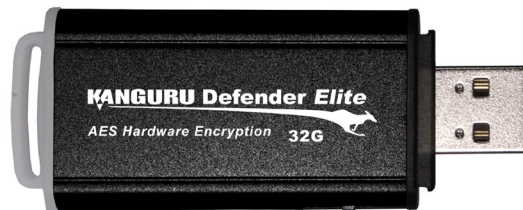
1.3 System Requirements

- 1 Available USB port (USB 2.0 Recommended)
- 256MB of internal DDR RAM or more
- 500MHz internal CPU or faster
- Operating Systems (32 and 64 bit compatible)
  - Windows 2000 SP 4, Windows XP SP 3, Windows Server 2003, Windows Vista, Windows 7
  - Max OS X and above (compatible with Intel-based Macs only)
  - Red Hat Enterprise Linux 5, Ubuntu 9/10
    Note: Linux Red Hat users must have Super User or Root privileges in order to run KDMElite

1.4 Features

- √ 256-bit AES hardware encryption
- √ FIPS 140-2 Certified
- √ Password protected data partition for your secure files
- √ Does NOT require Admin privileges (except with Red Hat Enterprise Linux 5)
- √ Driverless installation (Plug & Play)
- √ High-strength aluminum housing
- √ Tamper-proof design
- √ Write protect switch
- √ On-board antivirus protection
- √ Custom security colors available (Red, Green, Yellow, Blue, Tan, Gray)
- √ HIPAA Compliant
- √ Sarbanes Oxley Compliant
- √ GLB Compliant

Remote Management Capability

The Kanguru Defender Elite flash drive can be remotely managed using the Kanguru Remote Management Console (KRMC). KRMC is a web-based application that gives administrators a complete USB management system.

With KRMC you will be able to:
- √ Create and manage a master password for your Defenders
- √ Remotely delete all data on a target drive
- √ Schedule actions for present or future times
- √ Audit at administrator and super administrator level
- √ Locate devices via IP address (IP Address / network location)
- √ Locate devices via hostname
- √ Create remote policy modifications like:
  - ○ Password Strength and Length (e.g. 10 characters: 2 upper, 2 numbers, etc)
  - ○ Limit Invalid Login Attempts (e.g. 3 retries before drive is wiped)
  - ○ Rate at which password should be changed (e.g. every 30, 60, or 90 days)
  - ○ Change user password
  - ○ Change master password
- √ Create user groups

You Kanguru Defender Elite does not come with KRMC enabled by default.
For more information about KRMC, visit: https://www.kanguru.com/index.php/flash-management

1.5 Technical Specifications

General Specifications

Interface	USB 2.0 (USB 1.1 compatible)
Encryption Features	Hardware based 256-bit AES encryption
OS Compatibility	Windows XP SP3, Server 2003, Vista, 7 Max OS X and above (compatible with Intel-based Macs) Red Hat Enterprise Linux 5, Ubuntu 9/10 32 and 64 bit compatible
Write Cycles	10,000 write cycles / block
Data Retention	10 years or more
Operating Temp	0°C – 70°C
Humidity Range	20% - 90%
Shock Resistance	1000G Max
Vibration	15G Peak to Peak Max

1GB - 16GB Defender Elite Specifications

Data Transfer Rate	Read: 20 - 33 MB/s Write: 10 - 13 MB/s
Weight	10g
Dimensions	64mm x 18.5mm x 9mm
Power (Read)	Max Read: 5 VDC @ 122mA
Power (Write)	Max Write: 5 VDC @ 182mA

32GB - 64GB Defender Elite Specifications

Data Transfer Rate	Read: 31 MB/s Write: 10 MB/s
Weight	15g
Dimensions	71mm x 27mm x 9mm
Power (Read)	Max Read: 5 VDC @ 150mA
Power (Write)	Max Write: 5 VDC @ 266mA

2. Kanguru Defender Manager Elite

Kanguru Defender Manager Elite (KDMElite) is the client program preloaded on the Defender Elite's CD-ROM partition. The user needs to login to KDMElite in order to access the secure, encrypted partition. KDMElite comes pre-installed on your Defender Elite. No installation on your PC is necessary.
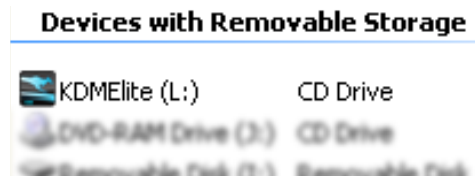
2.1 Running KDMElite

The Kanguru Defender Elite is compatible with multiple operating systems. Running the KDMElite application can be different depending on the OS your computer is running.

2.1.1 Running KDMElite on Windows

To run KDMElite from a Windows operating system, simply connect your Defender Elite to your computer through a USB port. The KDMElite application should start automatically if Autorun is enabled.

If KDMElite does not start automatically:
1. Open **My Computer** and open the Defender Elite's CD-ROM partition named **KDMElite**. The drive letter (e.g. D:, E:, F:) will depend on your computer.

2. Double-click on the **KDMElite.exe** file to launch the KDMElite application.

If it is your first time running KDMElite you will need to complete the setup wizard in order to set your security password (see section 2.2 *The Setup Wizard* on page 13). If you have already setup your security password, you will be prompted to login (see section 2.3 Unlocking the Security Partition on page 19)

Caution! The **KDMElite.exe** file needs to remain on your Defender Elite's CD-ROM partition at all times. Always run the application from the Defender Elite's CD-ROM partition. Do not try to copy KDMElite or run KDMElite from your computer's hard drive.

Note: Windows 7 users may not see the removable disk partition until you have logged into KDMElite. If you are running Windows 7 and for any reason need to see the removable disk before you log into KDMElite please refer to the instructions on p.9.

Attention Windows 7 Users

Windows 7 users may not see the removable disk partition until you have logged into KDMElite (see section 2.3 Unlocking the Security Partition on page 19 for more information). This is normal.

If you are running Windows 7 and for any reason need to see the removable disk before you log into KDMElite, you will need to configure Windows in the following manner:

Note: This is user preference only. There is no need to configure Windows in order to use your Defender.

1. From My Computer, click on the **Organize** tab and then select **Folder and search options**.
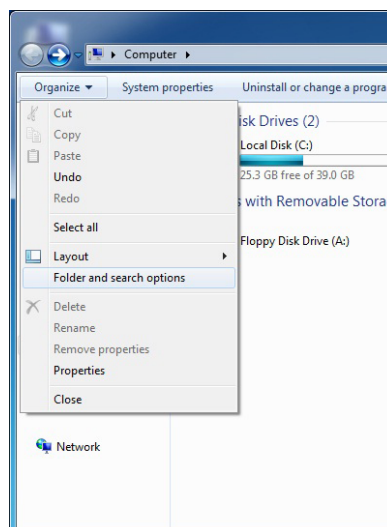
2. The Folder Options window appears. Scroll down to the option for Hidden Files and Folders and select **Show hidden files, folders, and drives**.
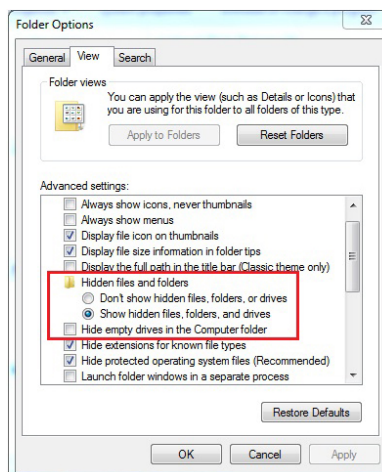
3. Click on the **OK** button to finish configuring Windows. The removable disk is now visible before you log into KDMElite.

2.1.2 Running KDMElite on Mac OS X

To run KDMElite from Mac OS X, connect your Defender Elite to your computer through a USB port. A CD icon named 'KDMElite' will appear on the desktop. Double click on the **KDMElite** icon to open it.
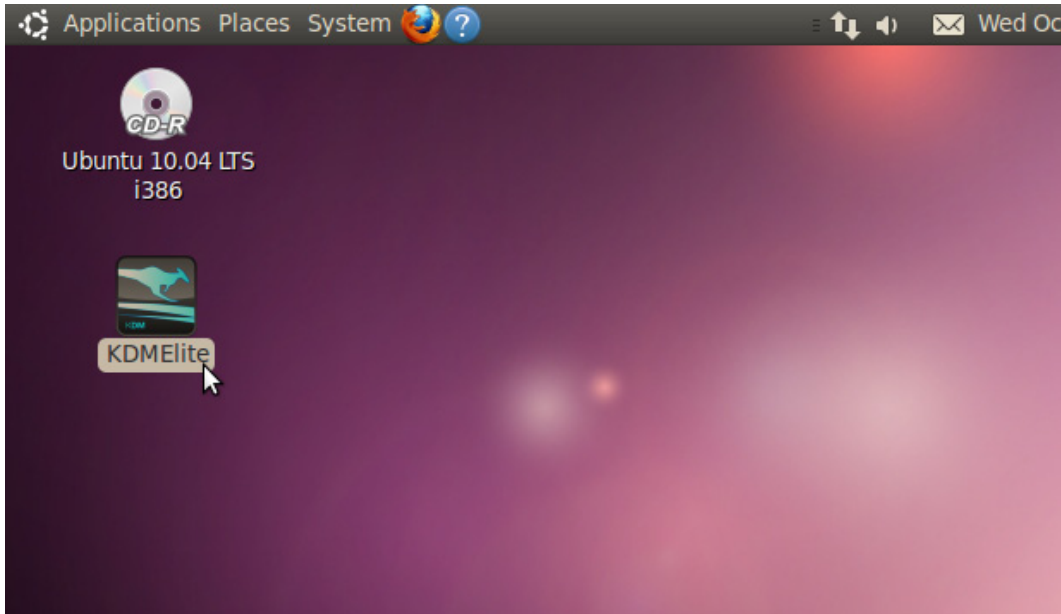

In the window that opens, double-click on the **KDMElite.app** file to launch the KDMElite application.

If it is your first time running KDMElite you will need to complete the setup wizard in order to set your security password (see section 2.2 *The Setup Wizard* on page 13). If you have already setup your security password, you will be prompted to login (see section 2.3 Unlocking the Security Partition on page 19)

Caution! The **KDMElite.app** file needs to remain on your Defender Elite's CD-ROM partition at all times. Always run the application from the Defender Elite's CD-ROM partition. Do not try to copy KDMElite or run KDMElite from your computer's hard drive.

2.1.3 Running KDMElite on Linux Ubuntu

To run KDMElite from a Linux Ubuntu operating system, connect your Defender Elite to your computer through a USB port. A 'KDMElite' icon will appear on the desktop. Double click on the **KDMElite** icon to open it.

In the window that opens, double-click on the **KDMElite** file to launch the KDMElite application.

If it is your first time running KDMElite you will need to complete the setup wizard in order to set your security password (see section 2.2 *The Setup Wizard* on page 13). If you have already setup your security password, you will be prompted to login (see section 2.3 Unlocking the Security Partition on page 19)

Caution! The **KDMElite** file needs to remain on your Defender Elite's CD-ROM partition at all times. Always run the application from the Defender Elite's CD-ROM partition. Do not try to copy KDMElite or run KDMElite from your computer's hard drive.

2.1.4 Running KDMElite on Red Hat Enterprise Linux 5

Note: You must have Super User or Root privileges in order to run KDMElite on Red Hat Enterprise Linux 5.

To run KDMElite from the Red Hat Enterprise Linux 5 operating system, connect your Defender Elite to your computer through a USB port. A CD icon named 'KDMElite' will appear on the desktop. If the KDMElite window doesn't open automatically, double click on the **KDMElite** icon to open it.
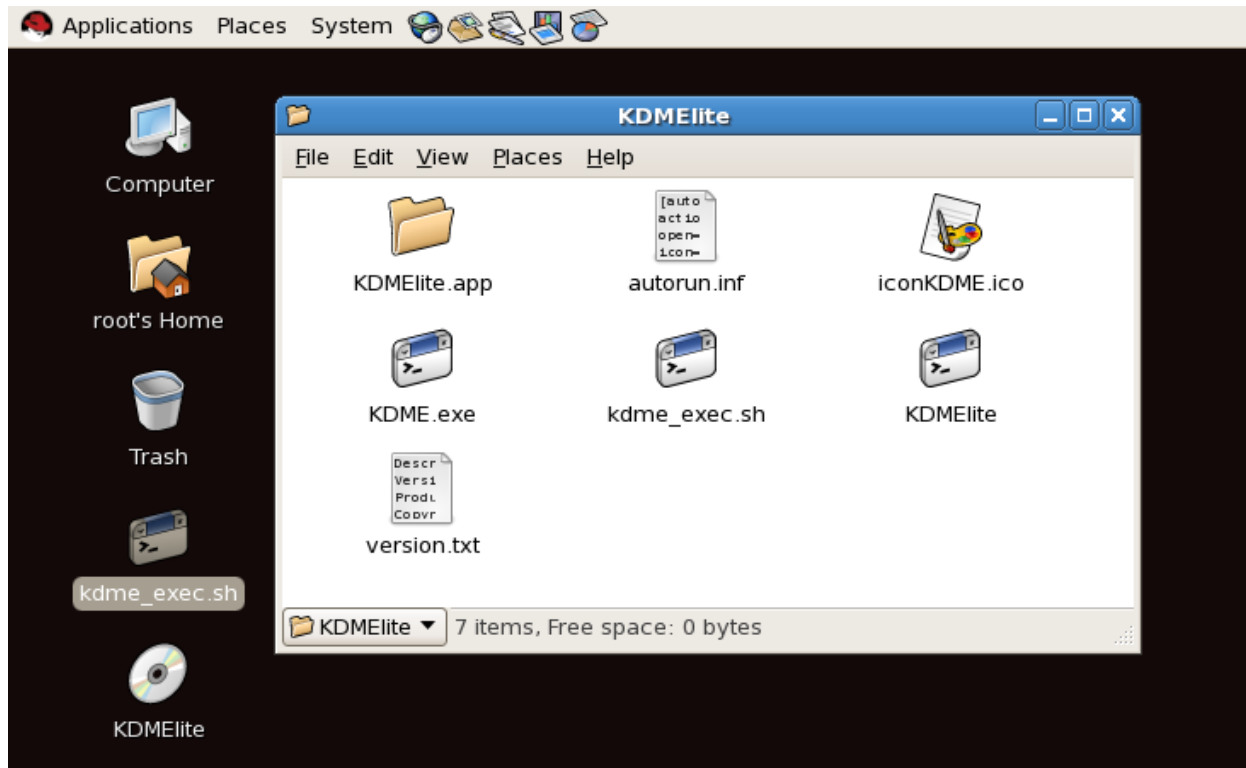
From the window that opens, copy the **kdme_exec.sh** shell script file to a location on your computer's local hard drive.

Once the **kdme_exec.sh** shell script has been copied to a local hard drive, you can execute KDMElite through the Terminal:
1. Open the Terminal window by clicking on **Applications → Accessories → Terminal**. The Terminal location may be different depending on which version of Red Hat you are running.
2. From the Terminal, navigate to the directory where you copied the **kdme_exec.sh** shell script file to.
3. Type, "chmod 007 kdme_exec.sh" to allow full execute permission.
4. Type, "./kdme_exec.sh" to execute the shell script.

If it is your first time running KDMElite you will need to complete the setup wizard in order to set your security password (see section 2.2 *The Setup Wizard* on page 13). If you have already setup your security password, you will be prompted to login (see section 2.3 Unlocking the Security Partition on page 19)

2.2 The Setup Wizard

When you start KDMElite for the first time you will be greeted by the Setup Wizard. Follow the Setup Wizard instructions to create a security password for your Defender Elite's secure, encrypted partition.

Note: Before you can setup your Defender Elite's password, the manual write protect switch must be set to the unlock position.

Caution! Once the Setup Wizard has started, you should not disconnect your Defender Elite without either first completing the Setup Wizard or closing the Setup Wizard by clicking on the **X** button.

2.2.1 Selecting a Setup Language

The default language for the Setup Wizard is set to English. To run the Setup Wizard in a different language:

1. From the Welcome screen, click on the ![icon] icon next to the Language Menu.


2.   A list of available languages will appear in a drop down menu. Select your desired language from the drop down menu. The Setup Wizard will switch to the new language.

3. Click on the **Next** button to continue to the next step.

2.2.2 Activating On-board Antivirus Protection (Windows only)

Note: This section does not apply if you are running the Setup Wizard in Linux or Mac OS X. This section does not apply to Enterprise Edition users. Antivirus for Enterprise Edition is activated through Kanguru Remote Management Console (KRMC). Enterprise Edition users, please contact your administrator.

KDMElite will automatically check if your device has a valid antivirus license key.
Note: Your Defender Elite will need to be connected to a computer with internet access in order to register for on-board antivirus protection.
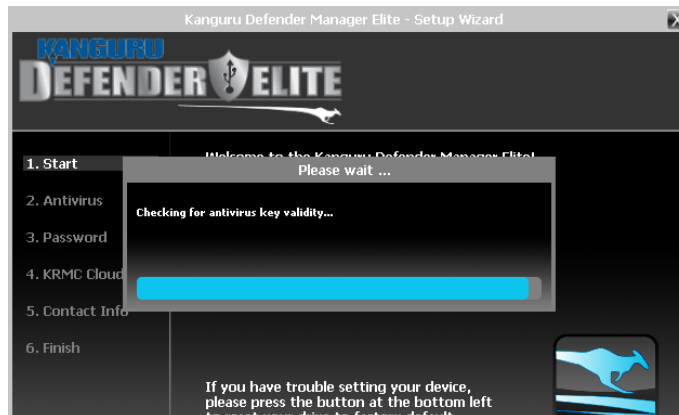
If your Defender Elite does not already have a valid antivirus license key, then you must fill out the following registration form with the required information and then click on the **Apply** button in order to activate your one (1) year of free antivirus protection.

Click on the **Skip** button if you do not wish to activate antivirus protection. If you decide to skip activating your antivirus now, you will not be able to activate it in the future without first resetting your drive to the factory default setting.

Click on the **Next** button to continue with setting up your Defender Elite's security password.

2.2.3 Setting a Password

From the Set Password screen:
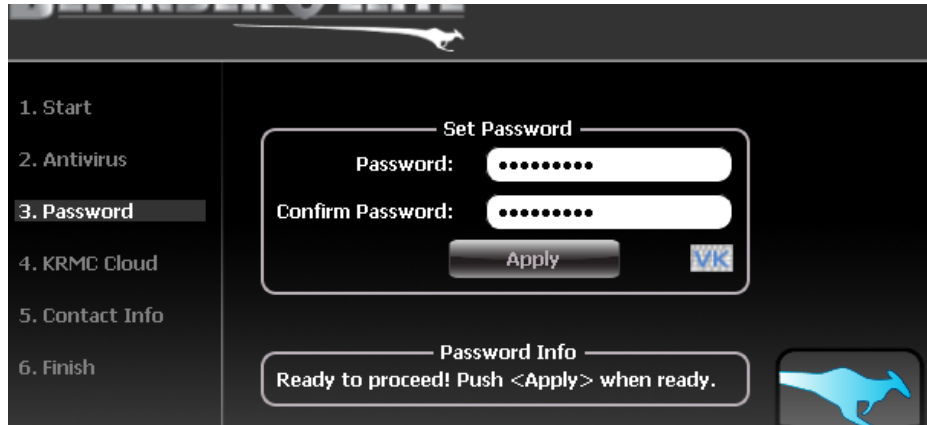
1. Enter your password in the **Password** data field. You can enter your password using KDMElite's Virtual Keyboard by clicking the **VK** button. For more information on using the Virtual Keyboard see section 2.4 *Using the Virtual Keyboard to Enter Your Password* on page 21.

   Note: For security reasons, it is recommended that you incorporate letters, numbers and symbols to achieve maximum security.

2. Enter the same password in the **Confirm Password** field for verification. If your passwords do not match or there is any other issue with the password which you have entered in the Set Password section, an explanation will be visible in the Password Info window.

   Note: The Password Info window will inform you if there are any password requirements. It updates in real time. Disregard the messages in the Password Info box until you have finished entering your password into both the Password and Confirm Password fields.

3. Click on the **Apply** button to set your password. Once the password has been set you will see the following message in the Password Info box:
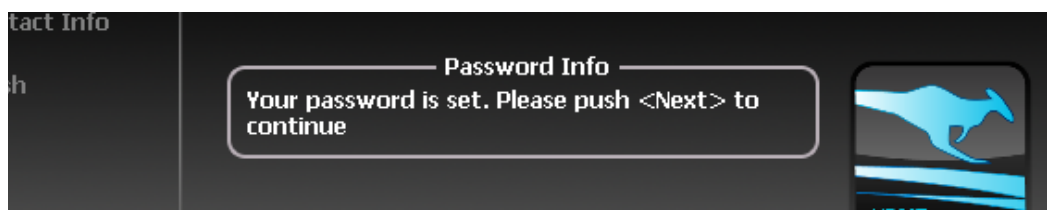
4. Click the **Next** button and KDMElite will automatically configure the security parameters.

Note: If you are managing your Defender Elite with an administrative program like KLA or KRMC, you can set a Master Password which can be used to reset the user password if it is lost or forgotten.

2.2.4 KRMC Cloud

Note: This section does not apply to Enterprise Edition users.

Kanguru Defender drives can be remotely managed using the Kanguru Remote Management Console (KRMC). KRMC Cloud is hosted on Kanguru's server and can be enabled on any non-Enterprise Defender drive.

To Enable KRMC Cloud functionality:
1. Select the **Enable KRMC Cloud** option and then click on the **Apply** button.
2. A dialog box will appear asking if you want to register your device with KRMC Cloud. Click on the **Yes** button.
3. Your web browser will open and direct you to the KRMC Cloud login page.
4. Purchase a license for your drive in order to use it with KRMC Cloud.

If you choose not to remotely manage your Defender using KRMC Cloud, select the **Disable KRMC Cloud** option and then click on the **Apply** button. You will not be able to enable KRMC Cloud functionality again, unless you reset your drive to the factory default.

Click on the **Next** button to continue setting up your drive.

2.2.5 Contact Info

Note: This section does not apply to Enterprise Edition users.

Your contact info will be saved to the drive. If you are managing your drive using KRMC Cloud, the information entered here will be automatically be imported to the KRMC Cloud server when you register your drive.

Fill in your information in the appropriate fields and then click on the **Apply** button. A window will appear confirming that your data has been saved. Click on the **OK** button to close the window and then click on the **Next** button to finish setting up your drive.

Congratulations! Your Defender Elite is now ready to use.

2.2.6 Resetting the Device through the Setup Wizard

If you experience any problems during the Setup Wizard, you may have to perform a device reset before you can complete the setup process.

To perform a device reset while in the Setup Wizard:

1. From anywhere in the Setup Wizard, click on the **Prev** button until you return to the Welcome Screen.

2. On the Welcome Screen you will see a **Reset** button in the lower-left side of the application window. Click on the **Reset** button.


3. A dialog box appears asking you to confirm the reset. Click on **Yes** to reset your device to the factory default settings.

After the device has been reset to the factory default setting you will be required to restart the Setup Wizard.

2.3 Unlocking the Security Partition

Note: You must complete the Setup Wizard before you can log into KDMElite. If you have not already completed the Setup Wizard, please refer to section 2.2 *The Setup Wizard* on page 13 for more information on completing the Setup Wizard.

Anytime you run KDMElite, you will be asked to login using your security password. You need to provide the correct security password in order to access the Defender Elite's secure partition.
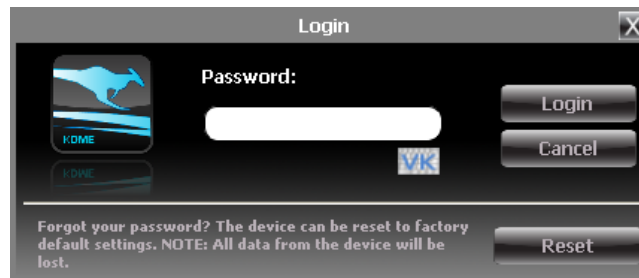
When the login screen appears:
1. Enter your password in the **Password** field.
2. Click on the **Login** button.

Once you have successfully logged in to KDMElite, the Defender Elite's secure partition will be accessible through My Computer or Windows Explorer. For more information on accessing the secure partition, see section 2.5 *Encrypting Files and Folders* on page 22.

To cancel the login process, click on the **Cancel** button. Unplugging and then reinserting your Defender Elite or manually running KDMElite.exe will bring the login window back.

Note: You can use the virtual keyboard when entering your password to prevent any key logging applications from recording your key strokes. For more information on the virtual keyboard, see section 2.4 *Using the Virtual Keyboard to Enter Your Password* on page 21.

Caution! If you enter your password incorrectly seven times in a row (seven is the default setting, may be different depending on your setup), for security purposes, any data stored on the secure partition will automatically be erased. You will be issued an on-screen warning when you have one attempt remaining, to prevent accidental erasure.

Caution! Once KDMElite has started, you should never disconnect your device without first closing KDMElite properly by clicking the KDMElite task bar icon and selecting **Unmount Kanguru Defender** as described in section 2.12 *Unmounting Your Defender Elite* on page 31.

2.3.1 Resetting from the Login Screen

In the event you have forgotten your password, you can use the Reset to Factory Default function to reset your password. This function will restore the device to the factory settings, erasing all saved passwords and data residing on the device's secure partition.

Caution! Using the Reset to Factory Default function will format and wipe all data off the device! All data on the device will be lost!

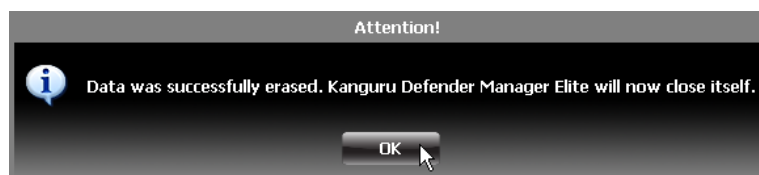To reset your Defender Elite to the factory default:

1. Start KDMElite.

2. When the login screen appears, click on the **Reset** button.
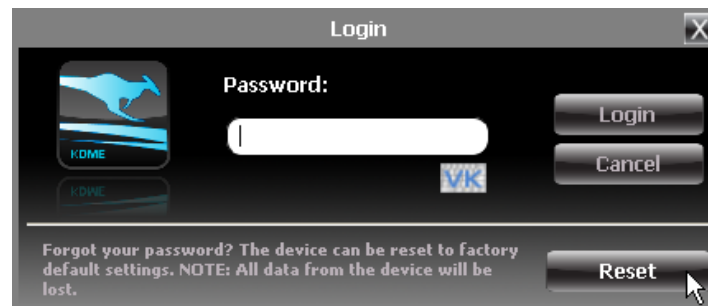
3. When you are prompted to confirm the reset, click on the **Yes** button.

4. When your password and data stored on the secure partition have been erased, the following message will appear. Click on the **OK** button to complete the reset.


The next time you run KDMElite, you will have to complete the Setup Wizard again before you are able to access the secure partition. Please see section 2.2 *The Setup Wizard* on page 13 for instructions on completing the Setup Wizard.

2.4 Using the Virtual Keyboard to Enter Your Password

The virtual keyboard feature can be accessed anytime you are required to enter your password in order to prevent any key logging applications from recording your key strokes and potentially stealing your password.

To use the virtual keyboard to enter your password:
1. Click on **VK** button which is located near the password entry field.
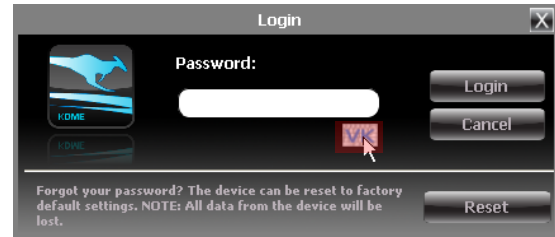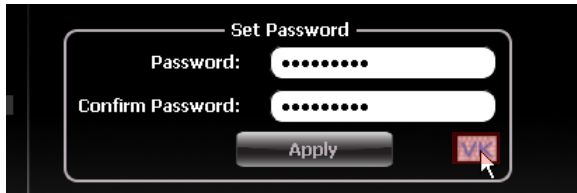
2. The virtual keyboard will appear below the Setup Wizard window. Click on the keys on the virtual keyboard to enter your password.

3. Click on the **VK** button again to close the virtual keyboard.

Note: You can click on the **Shuffle** key on the bottom right corner of the virtual keyboard to randomize the virtual keyboard layout. Randomizing the keyboard layout protects your password from mouse tracking programs designed to thwart virtual keyboards.

2.5 Encrypting Files and Folders

A key feature of the Defender Elite is drag & drop encryption; allowing you to simply drag files that you want encrypt directly onto the drive. The Defender Elite automatically encrypts these files as they are transferred to the secure partition, ensuring that your data stays safe and private.

To open the secure partition:

1. Start KDMElite.

2. Login to KDMElite to gain access to the secure partition.

3. Click on the KDMElite icon located in the task bar and then select **Explore Security Drive** from the popup menu.

    Note: Linux users must right-click on the KDMElite icon in the task bar.

We recommend using either the drag & drop action, right-click copy/paste action, or the shortcut keys (Ctrl+C and Ctrl+V) to copy and paste files and folders directly to and from the secure partition.

Note: Data saved on the Defender Elite's secure partition are only accessible after you have successfully logged into KDMElite.

2.6 On-board Antivirus (Windows only)

You must register your device with Kanguru Solutions in order to take advantage of the Defender Elite's on-board antivirus functions (see section *2.2.2 Activating On-board Antivirus Protection (Windows only)* on page 14).

Once your on-board antivirus has been activated, real-time virus scanning is automatically enabled whenever you log into your device. All files copied to the Defender are scanned for viruses and malware.

Note: Updates for the latest the virus definitions are downloaded automatically when the device is connected to a computer with internet access. If you disconnect your Defender before the latest update has finished downloading, the Defender will save your place and continue the download the next time it is connected to a computer with internet access.

Virus definitions are stored in the 'System' folder on the secure partition. If these files are deleted, they will be automatically re-downloaded. If the device is reset to the factory default, these files will be deleted and will need to be re-downloaded.

Caution! Do not store any data in the 'System' folder. Any data saved here that does not pertain to virus definitions will be automatically deleted.

The Onboard Antivirus console

You can access the on-board antivirus console to scan your device, a path or a file. To open the antivirus console:
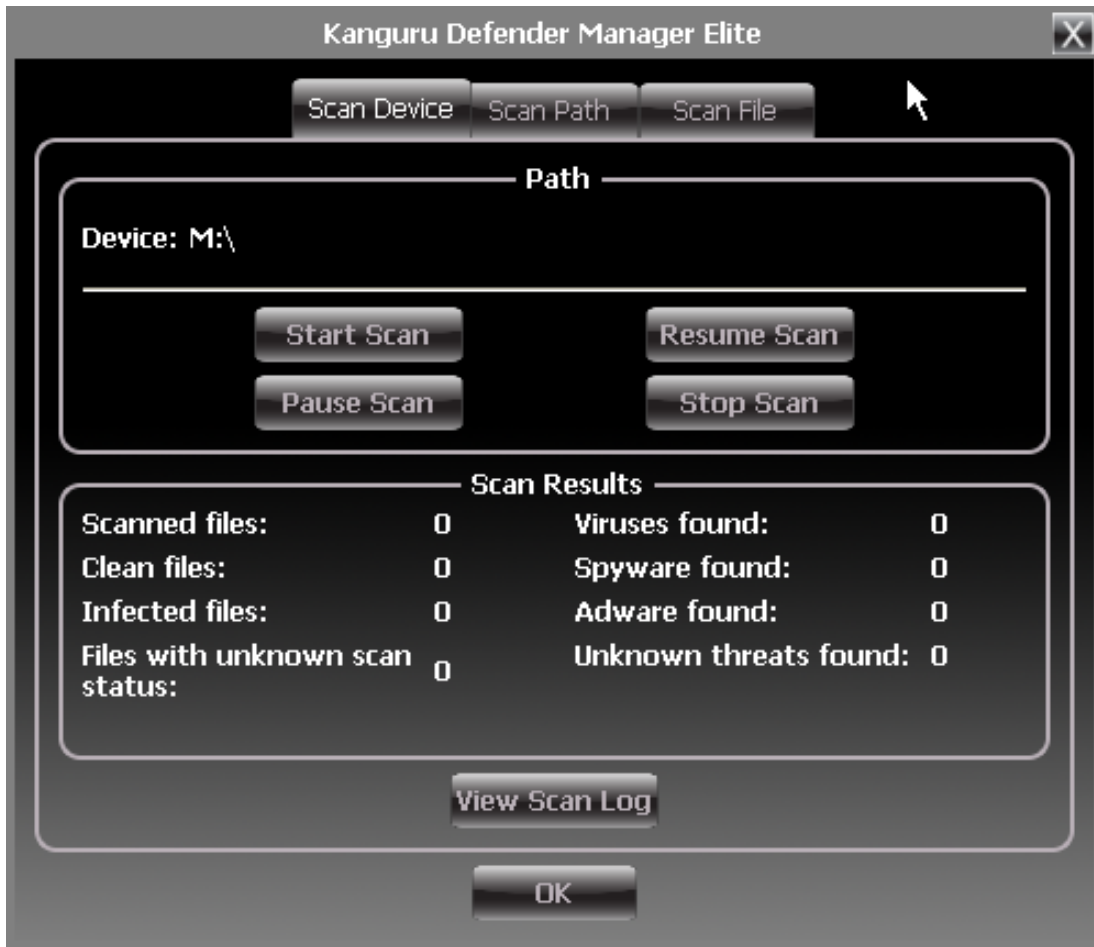
1. Right-click on the KDMElite icon located in the task bar.

2. Select **Antivirus** from the popup menu and then click on **Configuration** from the submenu.
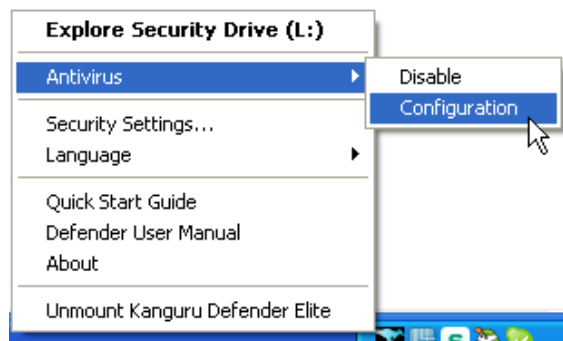
The antivirus console appears.

2.6.1 Device Scan

The antivirus console allows you to scan your Defender Elite for known viruses and malware.
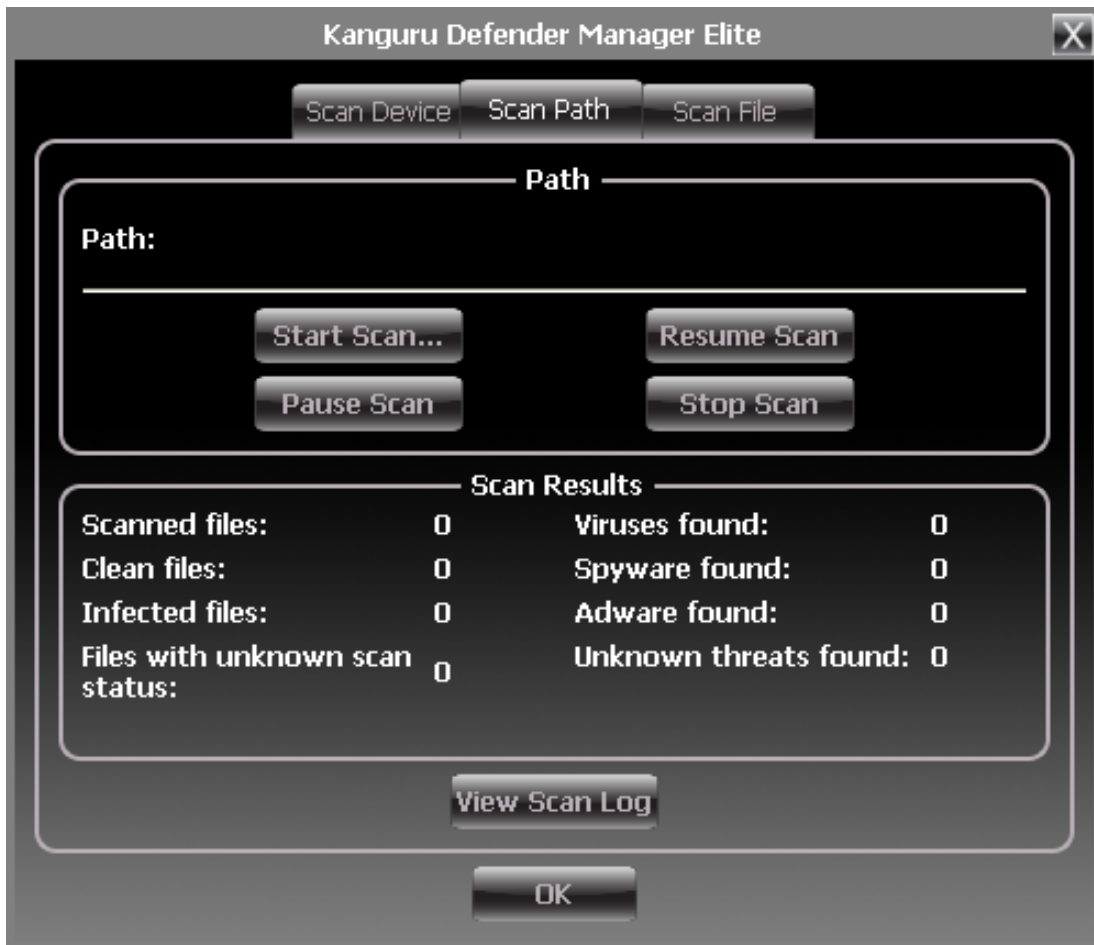

To scan your Defender Elite:
1. Click on the **Scan Device** tab at the top of the antivirus console.
2. Click on the **Start Scan** button to begin scanning your Defender Elite.
3. Once the scan has started:
   - Click on the **Pause Scan** button to pause the scan process. Click on the **Resume Scan** button to resume the scan.
   - Click on the **Stop Scan** button to cancel the scan process.
4. The scan results will appear in the **Scan Results** window.
5. Click on the **View Scan Log** button to view a log of the previous scan.
6. Click on the **OK** button to close the antivirus console.

2.6.2 Path Scan

The antivirus console allows you to scan any path on your computer for known viruses and malware.

Note: The **Scan Path** feature can be disabled on Enterprise Edition drives, please contact your administrator for more information.
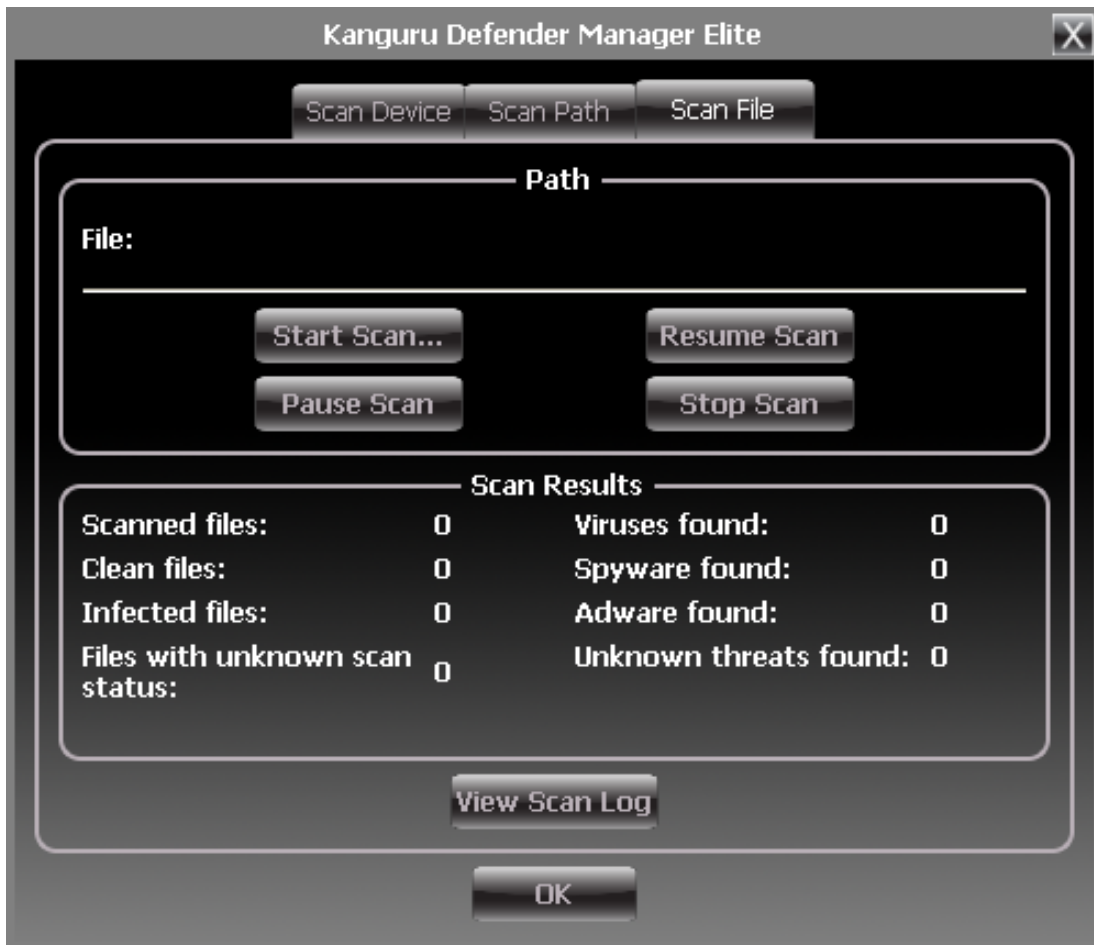

To scan a path on your computer:
1. Click on the **Scan Path** tab at the top of the antivirus console.
2. Click on the **Start Scan** button and then select a path on your computer to begin scanning.
3. Once the scan has started:
   ○ Click on the **Pause Scan** button to pause the scan process. Click on the **Resume Scan** button to resume the scan.
   ○ Click on the **Stop Scan** button to cancel the scan process.
4. The scan results will appear in the **Scan Results** window.
5. Click on the **View Scan Log** button to view a log of the previous scan.
6. Click on the **OK** button to close the antivirus console.

2.6.3 File Scan

The antivirus console allows you to scan any file on your computer for known viruses and malware.

Note: The **Scan File** feature can be disabled on Enterprise Edition drives, please contact your administrator for more information.

To scan a file:
1. Click on the **Scan File** tab at the top of the antivirus console.
2. Click on the **Start Scan** button and then select a file to begin scanning.
3. Once the scan has started:
   - Click on the **Pause Scan** button to pause the scan process. Click on the **Resume Scan** button to resume the scan.
   - Click on the **Stop Scan** button to cancel the scan process.
4. The scan results will appear in the **Scan Results** window.
5. Click on the **Advanced Info** button to view a log of the previous scan.
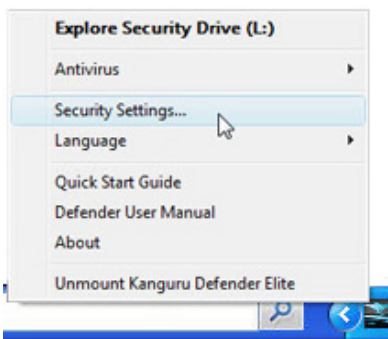6. Click on the **OK** button to close the antivirus console.

2.7 Changing Your Password

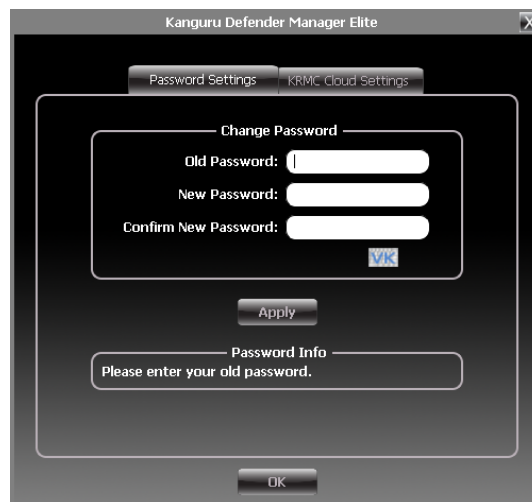You can change your security password through the Security Settings.

To change your password:

1. Click on the KDMElite icon ![icon] located in the task bar and then select **Security Settings…** from the popup menu.

   Note: Linux users must right-click on the KDMElite icon in the task bar.

2. The Password Settings window opens. Enter your current password in the **Old Password** field. Enter your new password in the **New Password** field and then enter it again in the **Confirm New Password** field.

3. When you are ready to proceed, click on the **Apply** button to set your new password.

4. Once your new password has been set, a confirmation window appears informing you that your password has been successfully changed. Click on the **OK** button to complete setting your new password.
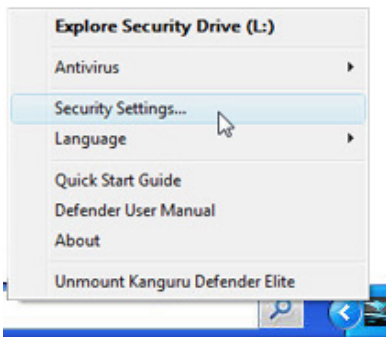
2.8 KRMC Cloud Settings

Note: This section does not apply to Enterprise Edition users.

You can enable or disable KRMC Cloud functionality through the Security Settings.

To change your device's KRMC functionality:

1. Click on the KDMElite icon located in the task bar and then select **Security Settings…** from the popup menu.

   Note: Linux users must right-click on the KDMElite icon in the task bar.

2. The Password Settings window opens. Click on the KRMC Cloud Settings tab at the top of the window to enter the KRMC Cloud Settings window.

3. Enable or Disable KRMC Cloud by selecting the appropriate radio button and then click on the **Apply** button.

2.9 Changing Languages
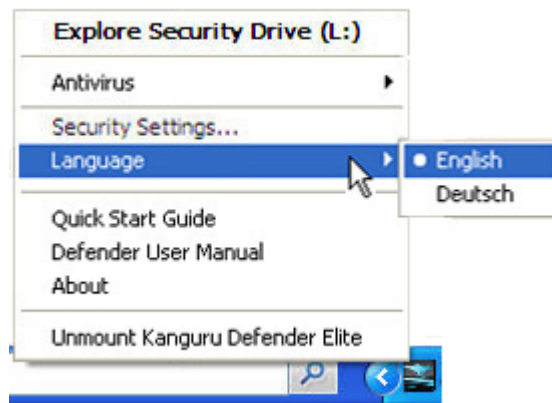
KDMElite supports several languages. The KDMElite language is set to English by default.

To change the language:

1. Right -click on the KDMElite icon located in the task bar and then hover your cursor over the **Language** option in the popup menu. A list of available languages appears.

2. Click on the desired language from the submenu that you want KDMElite to be displayed in.

2.10 Online Documentation

You can download digital copies of the Kanguru Defender Elite's documentation from the internet.

To download your Defender Elite's documentation, right-click on the KDMElite icon located in the task bar

- Click on **Quick Start Guide** to download a digital copy of the Defender Elite's Quick Start Guide.

- Click on **Defender User Manual** to download a digital copy of the Defender Elite's User Manual

2.11 About KDMElite

To view information regarding the version of KDMElite currently installed on your device, right-click on the KDMElite icon located in the task bar and then select **About**.

2.12 Unmounting Your Defender Elite

When you unmount your Defender Elite, the KDMElite application will close and the secure partition containing your encrypted data will be inaccessible until you log into KDMElite again.

To unmount your Defender Elite, right-click on the KDMElite icon located in the task bar and then select **Unmount Kanguru Defender.**

The KDMElite icon in the task bar will disappear and the Defender Elite's secure partition will no longer be accessible.

Caution! Do not disconnect the Kanguru Defender Elite without first properly unmounting your device as detailed in this section and then safely removing the device from your computer as described in chapter 3. *Safely Removing Your Kanguru Defender Elite* on page 32. Doing so may result in file damage or data corruption.

3. Safely Removing Your Kanguru Defender Elite

Before unplugging the Defender Elite from the USB port, you should always make sure that you have unmounted the secured partition (see section 2.12 *Unmounting Your Defender Elite* on page 31). After the Defender has been unmounted, you should use you operating systems method for safely removing a USB device.

3.1 Safely Removing from Windows

Caution! Be sure that the secure partition has been unmounted before attempting to remove the Defender drive. See section 2.12 *Unmounting Your Defender Elite* on page 31.

Please use the Windows 'Safely Remove Hardware' function before disconnecting your Defender drive.

To safely remove your Defender Elite:
1. Click on the **Safely Remove Hardware icon** located in the task bar.

   Note: The icon may look different depending on which version of Windows you are running.

Windows XP / 2000   **Windows Vista / 7**

2. A popup menu appears listing all USB devices connected to your computer. Select the Defender Elite from the menu (it will appear with two drive letters).

A message will appear indicating that the portable storage device can be safely removed. You can now disconnet your Defender Elite.

If a message saying "The device cannot be stopped right now" appears, please make sure that any windows or applications accessing the Defender Elite are closed and then try again.

3.2 Safely Removing from Mac OS X

Caution! Be sure that the secure partition has been unmounted before attempting to remove the Defender drive. See section 2.12 *Unmounting Your Defender Elite* on page 31.

To remove the Defender drive, click and drag the **KDMElite icon** from the desktop into the trash can icon. When you start dragging the KDMElite icon, the trash can icon will turn into an eject icon.

Alternatively, you can right-click on the **KDMElite icon** from the desktop and then select 'Eject' from the pop-up menu.

Once the KDMElite icon no longer appears on your desktop then it is safe to disconnect your Defender Elite.

3.3 Safely Removing from Linux

Caution! Be sure that the secure partition has been unmounted before attempting to remove the Defender drive. See section 2.12 *Unmounting Your Defender Elite* on page 31.

To remove the Defender drive, right-click the **KDMElite icon** on the desktop and then click on **Eject** from the popup menu. Once the KDMElite icon no longer appears on your desktop then it is safe to disconnect your Defender Elite.

4. Warranty Information

This product carries a 3-year warranty from the date of purchase. Kanguru Solutions is not responsible for any damages incurred in the shipping process. Any claims for loss or damage must be made to the carrier directly. Claims for shipping errors should be reported to Kanguru Solutions within three (3) working days or receipt of merchandise.

5. Tech Support

If you experience any problems using your Kanguru Defender Elite or have any technical questions regarding any of our products, please call our technical support department. Our tech support is free and available Monday thru Friday, 9am to 5pm EST.

Call 1-508-376-4245 or
Visit our website at www.Kanguru.com

Appendix A - Proxy Support

If your computer uses a proxy server to access the internet, the correct proxy information will need to be configured in KDMElite.

If the KDMElite client application cannot connect to the internet you will see the following error message:
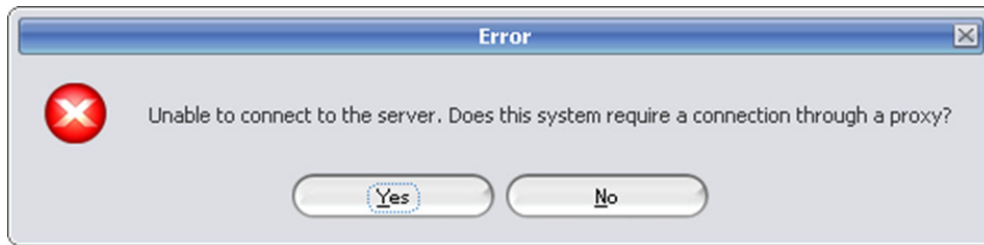
If the computer that the Defender Elite is connected to uses a proxy server to access the internet, click on the **Yes** button. KDMElite will try to read the proxy server information from the computer's configuration.

- If KDMElite is able to determine your proxy server's address and no authentication is required then KDMElite will read this information and connect to the internet as normal.

- If KDMElite is able to determine your proxy server's address but the proxy requires authentication then you will need to enter your credentials in the window that appears:

If KDMElite is able to connect to the proxy server using those credentials then the authentication information is saved in an encrypted proxy settings file.

- If KDMElite is unable to determine your proxy server's address then you will need to enter the proxy server address, proxy type and credentials:

Enter the proxy address and the port to connect to in the address field (e.g. 192.168.0.193:8080 or proxycomp:8080). Select your proxy type and then enter your credentials. If KDMElite is able to connect to the proxy server using this information then the proxy information and the authentication information is saved in an encrypted proxy settings file.

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