User Manual v1.4.1

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1. Getting Started / Initialization

To ensure proper initialization of Armorware Core, please follow these steps:

1. Confirm that Armorware Core CD is in your CD drive and that the USB Memory Stick is properly inserted into your computer USB port, then power on your computer.

2. As Armorware Core is loading you will see the Armorware logo followed by the "*Welcome to Armorware Core*" window. Please enter the **username** and **password** provided to you by e-mail. Click **Start Initialization**.

3. Next step is to create password and passphrase. Please make sure that it is at least 8 characters long, although we suggest 20 or more. Also, make sure it's meaningless and contains upper/lower case, digits and special characters.

    > **Creating effective passwords**:
    > There are many articles and recommendations already available on the Internet to help you create an effective password.
    > The following sources are good starting points to learn more:
    > http://world.std.com/~reinhold/diceware.html
    > http://www.ephesus.com/Encryption/Passphrase.html
   > http://www.gnupg.org/

4. The last step is to choose the partition to save to. Here you need to click the name ArmorWare USB drive. Usually it is labeled **sdb1**. For more information on how to check the **name of the USB drive**, please refer to the *Navigating the File System* section.

2. Browsing the Internet

Prior to accessing the Internet, please ensure that the *Encrypted Channel* window is open
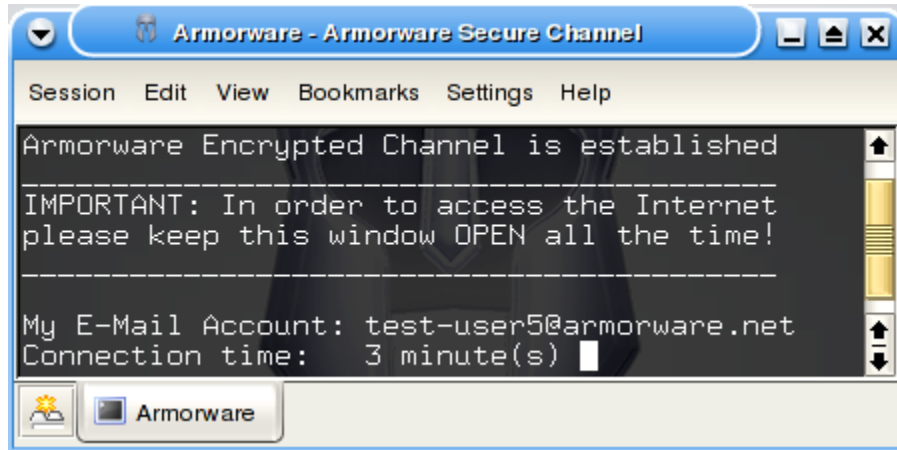

Or is minimized

This window is a crucial part of the anonymous browsing. If it will become closed, there will be no access to the Internet. To open it up again, simply click on the **Armorware Secure Channel** icon on the desktop.

2.1 ══════════ Mozilla Browser ══════════

1. **To open a website:**
   First, select the address bar by double clicking on it, or pressing **Ctrl+L**. Then type the address that you would like to visit (for example, http://www.google.com/). Press **Enter**.
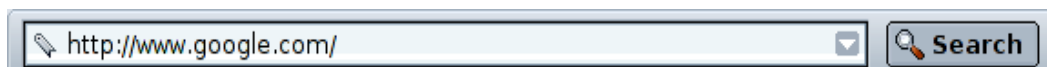
2. **To add a bookmark:**
   Simply drag the web address onto the *Personal Toolbar*. Alternatively, drag the web address into *Bookmarks* Folder on the Toolbar. Or, Go to **Bookmarks → Bookmark this Page**.
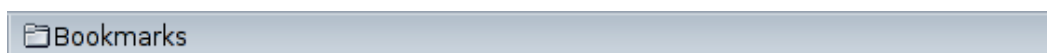
3. **To manage bookmarks:**
   If you would like to delete, rename or change a bookmark, please go to **Bookmarks → Manage bookmarks**. When the *Bookmark Manager* Window opens up right click on the bookmark that you would like to modify and select the desired action (for example, **Delete** or **Rename**).
   Note how the *Personal Toolbar* has its own folder. You can manage its bookmarks by simply expanding this folder and following the same procedure as above.
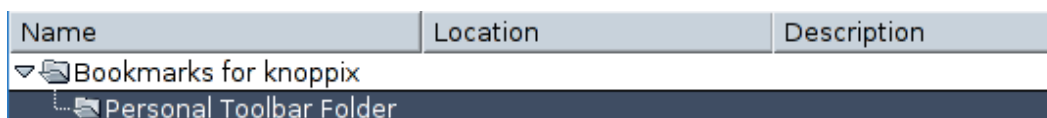
4. **To use tabbed browsing:**
   If you would like to open a link on the page you are currently viewing in a new tab, you have a choice of right clicking on the link and choosing **Open Link in New Tab** or you can simply middle click on it. If you don't have a 3 button mouse, but have a 2 button mouse with scroll wheel, you can middle click by clicking the mouse wheel.

   You can also open a blank tab with **Open Tab** icon or by pressing **Ctrl+T**, and then you can type the web address that you would like to visit. Close tabs using **Close Tab** icon.

5. To increase/decrease the font size:

Simply go to **View → Text zoom** and click on the desired size. Alternatively, you can use **Ctrl++** and **Ctrl+-**. To return to the default sized font press **Ctrl+0**.
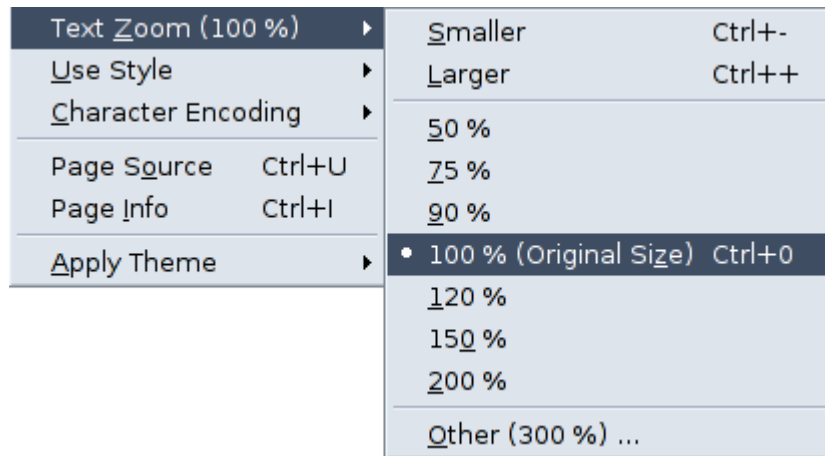
6. Printing:

To print go to **File → Print** or you can just use **Print** icon.

For more information on how to set up your printer, please refer to the *Printer* section.

7. Please remember:

At the end of the working session, if you have made any modifications to the configuration of the browser (that includes bookmarks), you have to **SAVE to the USB memory drive.** Simply click on **Save Personal Configuration Files** icon on the desktop.

## 2.2 ══════ Konqueror Browser ══════

1. **To open a website:**
   First, select the address bar by double clicking on it, or pressing **Ctrl+L**. Then type the address that you would like to visit (for example, http://www.google.com/). Press **Enter**.

   Location: G http://www.google.com/

2. **To add a bookmark:**
   There are several ways to add a bookmark. One can either go to **Bookmarks →** **Add Bookmark**, or simply press **Ctrl+D**.
   Another useful feature of *Konqueror Browser* is the **Personal Bookmark Toolbar** (similar to Mozilla Browser). To activate it, simply right click anywhere on any toolbar, then from the newly opened drop-down menu go to **Toolbars →** **Bookmark Toolbar**.

   Location: G http://www.google.com/
   G Google
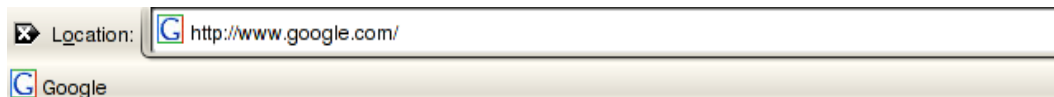
   Now you can add bookmarks to the *Personal Bookmark Toolbar*. Go to **Bookmarks → Toolbar → Add Bookmark**.

3. **To manage bookmarks:**
   If you would like to delete, rename or change a bookmark, please go to **Bookmarks → Edit bookmarks**. When the *Bookmark Manager* window opens up right click on the bookmark that you would like to modify and select the desired action (for example, **Delete** or **Rename**).
   Note how the *Personal Toolbar* has its own folder. You can manage its bookmarks by simply expanding this folder and following the same procedure as above.

Bookmark	URL	Comment
⭐ Bookmarks		
📙 Toolbar		
G Google	http://www.google.com/	

4. **To use tabbed browsing:**
   If you would like to open a link on the page you are currently viewing in a new tab, you have a choice of right clicking on the link and choosing **Open Link in New Tab** or you can simply middle click on it. You can also open a blank tab with

icon or by pressing **Ctrl+T**, and then you can type the web address that you would like to visit. Close tabs using icon.

5. **To increase/decrease the font size**:

Simply go to **View → Increase (Decrease) Text Font**. Alternatively, you can use **Ctrl++** and **Ctrl+-**. Or, you can use Icons.

6. **Printing**:

To print go to **Location → Print**, or you can use the **Print** icon, or simply press **Ctrl+P**. In the *Print dialog* window, please make sure that the right printer is selected.

For more information on how to set up your printer, please refer to the ***Printer*** section.
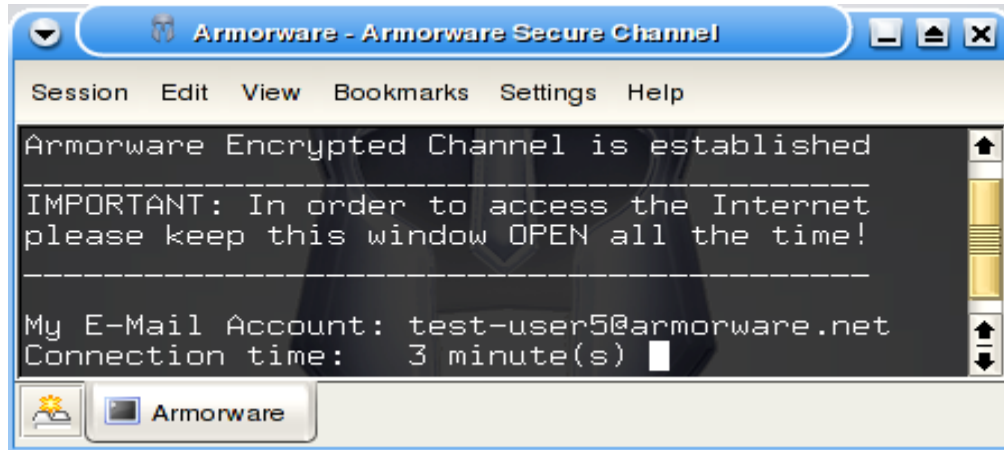
7. **Please remember:**

At the end of the working session, if you have made any modifications to the configuration of the browser (that includes bookmarks), you have to **SAVE to the USB memory drive.** Simply click on **Save Personal Configuration Files** icon on the desktop.

3. E-mail

Prior to accessing the Internet, please ensure that the *Encrypted Channel* window is open

Or is minimized

This window is a crucial part of the anonymous browsing. If it will become closed, there will be no access to the Internet. To open it up again, simply click on the **Armorware Secure Channel** icon on the desktop.

3.1 ══════════════ KMail ═══════════════

1. **To send an e-mail:**

    To create new e-mail message simply click on **New Message** icon. Once the new window opens you can either type in the "**To:**" email address,

    To: | | [...]

    or you can click the [...] icon and choose the address from the *Address book*. More on *Address book* see the **Address Book section**.
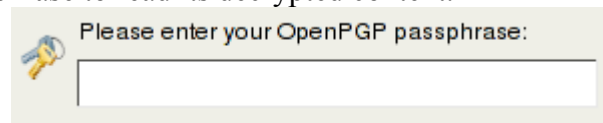
    To attach a file to a message simply click on **Attach** icon and navigate to the file that you would like to attach. Once the file is selected, click **Open**. Please note that this version of Armorware Core does **not** support automatic attachments encryption. For more information on how to manually *encrypt files* see the **Encryption section**.

    To send a message there are two available choices: **encrypted** or **unencrypted** message. To send encrypted messages you have to have the recipient's public encryption key. When you press **Send** icon you will have a choice of either encrypting this message, or sending it unencrypted.

    Alternatively, you can press the **Encrypt** icon and the message will be encrypted without a prompt. If you do not have a public encryption key for the recipient, then you can only send unencrypted messages to them. For more information on how to add *public keys* see the **Encryption section**.

2. **To receive e-mail:**

    To read new mail, simply click on **Mail In** icon. Once the new mail has been downloaded, simply click on it to open. If the message has been encrypted, then type in your passphrase to read its decrypted content.

    Please enter your OpenPGP passphrase:
 | |

    To read sent mail, go to the **Sent** sent-mail folder and click on the desired message to open it. You will need to enter your passphrase to be able to read it. Again notice that if you haven't manually encrypted the attachment, then it will be accessible even without entering your passphrase.

To save attachments simply **right click** on it and choose **Save as**. Then navigate to where you would like to save it to and press **Save**. Or you can just open it for preview (depending on file type).
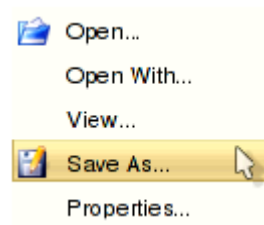
3. <u>**To a create new folder**</u>:

   If you would like to create a new folder for better organization of your emails go to **Folder → New Folder**, or just right click on **Local Folders → New Folder**.
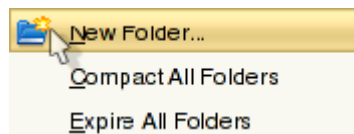
   To copy messages to that folder simply drag them there.

4. <u>**To reply or forward an email**</u>:

   Select the desired e-mail and click on **Reply** or **Forward** icon. If you wish you can encrypt these emails by clicking the **Encrypt** icon (provided that you have the recipient's public encryption key).

5. <u>**To delete an e-mail**</u>:

   If you would like to remove an email you have two choices: either moving it to the **Trash** trash folder or actually **Deleting** it. The difference between the two options lies in the fact that, when you move the e-mail to the trash folder you are just moving messages away from the *Inbox*, whereas when you delete messages they are gone from the system completely.

   To trash a message simply drag it to the **Trash** trash folder or use the **Trash** icon.

   To delete a message just **right click on it → Delete**, or press **Delete**. If you would like to delete multiple files, just use **Shift+Left Click** to select them and follow the same procedure.

6. **To save the message:**

   Simply do a **Right Click** on the message ➔ **Save As,**

   or you can use the **Save As** 💾 icon. Then, simply select the location where you would like to save to and press **Save**.

7. **Printing:**

   To print go to **File** ➔ **Print**, or you can use the **Print** 🖨 icon, or simply press **Ctrl+P**. In the *Print dialog* window, please make sure that the right printer is selected.

   For more information on how to set up your printer, please refer to the ***Printer*** section.

8. **Please remember:**

   At the end of the working session you have to **SAVE to the USB memory drive, otherwise you will lose all new e-mails that you might have downloaded.** Simply click on **Save Personal Configuration Files** icon on the desktop.

3.2 ═══════════ KMail Address book ✏

1. <u>**To open Address Book**</u>**:**

    There are two way of opening the *Address Book*. Either you can do it from *KMail* by going to **Tools ➔ Address Book**, or directly from desktop by clicking on **K**
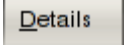
    ➔ **Armorware ➔ Address Manager**.

2. <u>**To add a new contact**</u>**:**

    You can either use **New Contact** ⬜ icon, or you can go to **File ➔ New Contact**, or simply press **Ctrl+N**. In the *Edit Contact* window fill in the desired fields. Alternatively, you can click on **Edit…** button for the desired field.

    | Edit <u>N</u>ame... | Edit <u>P</u>hone Numbers... | Edit Addresses... | Edit Email <u>A</u>ddresses... |

    Notice that you can add up to 3 different *Phone numbers*. Also you can add a *Home* and *Work Address*.

    | Home | ⬇ | | | Home | ⬇ |
    | Work | ⬇ | | | Home | |
    | Mobile | ⬇ | | | Work | |

    There are other various details available in the **Details** `Details` tab. After you are finished click **OK**.

3. <u>**To edit or delete a contact**</u>**:**

    If you would like to edit a contact you can either press the **Edit Contact** 🖊 icon, or right click on the desired contact and press **Edit Contact**. If you would like to delete an unwanted contact, simply use the **Delete** ✖ icon or right click on it and choose **Delete**.

4. **To save or print Address Book:**

   If you had made any changes to the *Address Book* and you would like to save it, simply click on the **Save** 🖫 icon. Or if you would like to print the entire *Address Book*, use the **Print** 🖨 icon.

   For more information on how to set up your printer, please refer to the ***Printer*** section.

5. **To send an e-mail to contact:**

   If you would like to send an e-mail to a contact right from the *Address Book*, you can click on the **Mail** ✉ icon.

6. **Please remember:**

   At the end of the working session you have to **SAVE** **to the USB memory drive, otherwise you will lose all new contacts that you might have created.** Simply click on **Save Personal Configuration Files** icon on the desktop.

3.3 Importing contacts from MS Outlook Express to KMail

Exporting the contacts from MS Outlook Express (Note that you must be operating in Windows environment)

1. Open *Outlook Express*. Click **File → Export → Address Book**.

2. When *Address Book Export Tool* opens select **Text File** (Coma Separated Values).
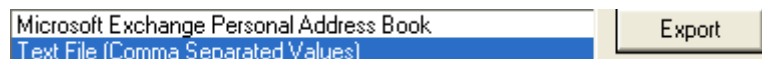
3. Now insert the USB Memory Drive into your computer and wait until Windows recognizes it. Then, in the *Address Book Export Tool* click **Browse …** and navigate to the USB Drive. Type in **addressbook** as the file name and save it by clicking **Save**. Then Click **Next**.

Note: You can save the file with any name and anywhere on the USB drive if you want. Just make sure that you will be able to navigate to it later.

4. Once the next window has opened select the following fields: **First Name**, **Last Name**, **E-mail Address** and optionally you can select **Nickname** and **Middle Name**. Please make sure that all other fields are deselected. Press **Finish**.
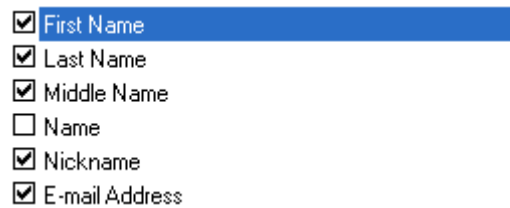

Note: Currently Armorware Core does not support importing other fields (like home/business address).

5. Once the address book has been exported successfully click **OK** and close the *Address Book Export Tool* by clicking **Close**.

6. Now that you have the text file with your address book on the USB Memory Drive please insert Armorware Core CD and reboot your computer.

Importing the contacts to Kmail (Note that you must be operating in ArmorWare environment)

1. Open *KMail*. **Click Tools → Address Book.**

2. In the *Address Book* window, click **File → Import → Import CVS List**.
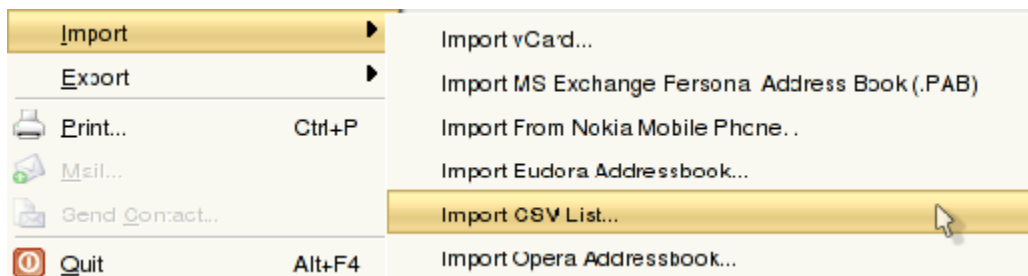
3. When the *CVS Import Dialog* has opened, click on the icon to the right of the **File to import** field.
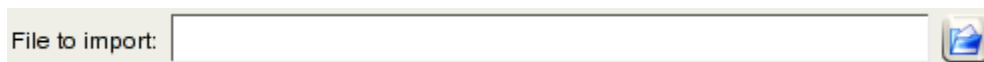
Browse to the USB Memory Drive and select the file that you saved the Address Book to (i.e. addressbook.cvs). Click **OK**.

> **A shortcut** to navigating to the USB Drive is to click on **Devices** and double click the device name that the USB Drive is assigned to. Usually it is labeled **sdb1**. For more information on how to check the **name of the USB drive**, please refer to the *Navigating the File System* section.

4. Now match up the entries written on the second line with the corresponding entries in the drop-boxes according to the table below.

Import Entry	Change drop-box entry from "Undefined" to
First Name	Given Name
Last Name	Family Name
Middle Name	Additional Name
Nickname	Nickname
E-mail Address	E-mail Address

1	Given Name	Family Name	Additional Names	Nick Name	Email Address
2	First Name	Last Name	Middle Name	Nickname	E-mail Address

5. Now that all the drop-box fields have been defined, select **2** in the drop-box under **Start at line**.

Start at line:

2

This will make the first line with import entry names disappear, leaving only the real contacts. Click **OK**.

6. At this stage the contacts have been imported into your *KMail Address Book* and are ready to be used in e-mails, but the most important step is to **SAVE** to the USB memory drive, **otherwise you will lose all the newly imported contacts**. Simply click on the **Save Personal Configuration Files** icon on the desktop.

Save Personal
Configuration
Files

# 4. Navigating the File System and Shredding

1. **Show Desktop icon:**

   The **Show Desktop** icon is analogous to the *Windows Show Desktop* icon. If you click on it, it will minimize all the currently opened windows and give you instant access to the **Desktop**.

2. **To check the name of the USB drive:**
   If you have more than one **Hard Disk Partition** icons on your desktop and you would like to find out which one is the **ArmorWare USB drive**, simply double click on the icon to open it.
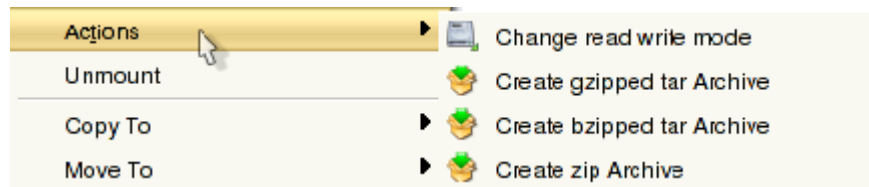

   In the newly opened *Konqueror Explorer* Window check the contents of the drive. If this drive contains the files **configs.tbz** and **knoppix.sh**, then it is the ArmorWare USB drive. And the **name** would be written in the location bar after **file:/mnt/**.
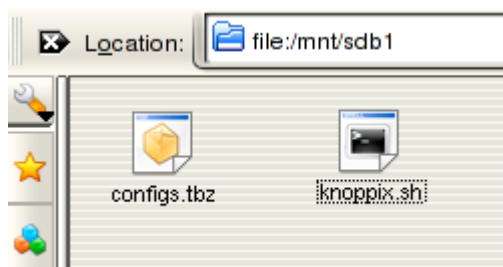
3. **To change Read/Write permissions:**
   If you need to save anything on the USB Drive, you have to change the Read/Write permissions first. To do so, **Right Click** on the **ArmorWare USB Drive** icon → **Actions** → **Change Read/Write mode**.
   For more information on how to check the **name of the USB drive**, please refer to the *Navigating the File System* section.

Actions	▸	🖼 Change read write mode
Unmount		🌕 Create gzipped tar Archive
Copy To	▸	🌕 Create bzipped tar Archive
Move To	▸	🌕 Create zip Archive

At the prompt click **Yes**.

4. **To navigate the file system:**

     If you would like to navigate the file system you can click on the **USB Drive** icon (usually it is labeled **sdb1**). For more information on how to check the **name of the USB drive**, please refer to the *Navigating the File System* section.

Hard Disk
Partition [sdb1]

     This will open the *Konqueror Explorer* window, which is similar to the *MS Windows File Explorer*. When the *Konqueror Explorer* window will open you can use the **Up** 🔼, **Back** ◀ and **Forward** ▶ just like in the *Windows Explorer*. The **Up** button will put you in a directory above.

     The **root directory** is similar to the drive **C:/** in Windows. This is the "highest" directory, i.e. you can not go any higher in the hierarchy. To view what's in the root directory, simply click the **Up** button until it says **file:/** in the *Location bar*.

⊠ Location:	📁 file:/	▼

     To see the *Desktop* files go to **/ramdisk/home/knoppix/Desktop** (this is the path from the root directory).

⊠ Location:	📁 file:/ramdisk/home/knoppix/Desktop	▼

     To navigate to the **USB drive** from the root directory, simply go to **/mnt** directory and then click on the **USB drive's name** (usually it is labeled **sdb1**). For more information on how to check the **name of the USB drive**, please refer to the *Navigating the File System* section.

> **A shortcut** to navigating the USB Drive is to click on **Devices** and double click the device name that the USB Drive is assigned to. For more information on how to check the **name of the USB drive**, please refer to the *Navigating the File System* section.
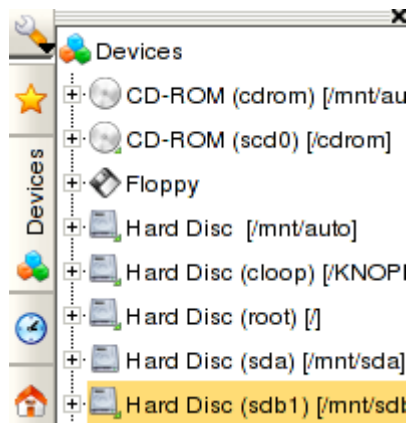
5. <u>Shredding</u>:

If you would like to **Shred** a file, simply drag the file onto the **Shredder** icon on the *Desktop*.

Note that shredding doesn't work on folders. If you would like to shred a folder, then you have to shred the contents of the folder first, and then **trash** the folder. To **Trash** a folder, just drag it onto the **Trash** icon.

5. Encryption

1. **To export your public key:**

   If you would like to export your public encryption key, you will need to open the *KGpg tool*. Click on the **KGpg** icon in the bottom right corner of your screen. Once opened, select your public key, **Right click** on it, then go to **Export Public Key**, or you can just click **Export Public Key** icon. Once the *Public Key Export Window* is opened up, select the preferable way of exporting the key:


Export option	Example of use
Email	To send the key through the body of the e-mail
Clipboard	To paste into a document; To paste onto a website
File	To attach to an e-mail; To transfer through USB drive

   Should you choose to save the key onto the **USB drive**, please make sure that the drive is writable prior to saving the key (to make the **USB drive writable** please refer to the *Checking Files on USB drive* section).

   Once you have completed the Exporting process successfully, you will be prompted. Click **OK**.
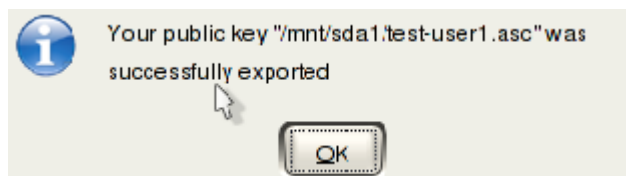
2. **To import an encryption key:**

If you would like to import someone's public key, open the *KGpg tool*. Once opened, click **Import** [icon] icon, or go to **Keys** ➔ **Import Key**. Here you have two choices: **File and Clipboard**.


If you have received the public encryption key as text from an **e-mail** or got it from a website, simply copy all the text between

-----BEGIN PGP PUBLIC KEY BLOCK-----

-----END PGP PUBLIC KEY BLOCK-----

To copy, select the text, click the **right mouse button** and select **Copy**. Then go to the *KGpg tool* and in the *Key Import Window* select the **Clipboard** option. Press **OK**. If the importing process was successful then the number of imported keys will be displayed.

If you have received the public encryption key as a **file attachment**, or have downloaded it from a **website**, then save it to the computer (on information about how to save mail attachments to the computer refer to the *E-mail* section). Then, in the *KGpg's Key Import Window* pick the **File** option and navigate to the file with the key. Press **OK**. If the importing process was successful then the number of imported keys will be displayed.
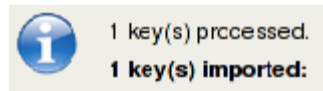
A shortcut to importing a key would be to simply drag the key file onto the opened *KGpg window*.

3. **To sign a key:**

'Signing the key' is required to make sure that the key you have imported is really the recipient's key and not the impostor's key. Usually you would want call the person to quickly verify that the key is really his or hers. To sign a key, simply **Right click on it** ➔ **Sign key**. Click **OK** at the warning prompt. In the next window click **OK**. After that the key is ready to be used.

Export Public Key(s)...	Ctrl+C
Delete Key(s)	Delete
Sign Key(s)..	
Edit Key	Return
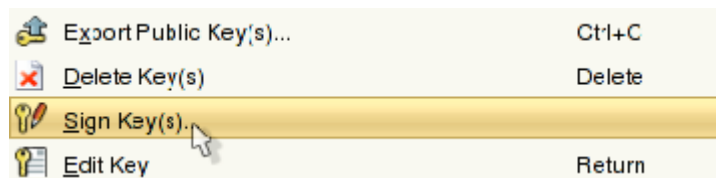
4. <u>**To encrypt a file:**</u>

If you would like to **encrypt** a file, in order to send it as an encrypted e-mail attachment or transfer it securely by any other means, simply **Drag & Drop** the file onto the **KGpg** icon.

5. <u>**Please remember:**</u>

In the end of the working session you have to **SAVE to the USB memory drive, otherwise you will lose all new keys that you might have imported.** Simply click on **Save Personal Configuration Files** icon on the desktop.

Save Personal
Configuration
Files

6. Printing

6.1 ═══════════ Setting up a printer ═══════

1. Click on **K** [icon] icon found in the bottom left corner of the desktop, then click on **System → Settings → Configure Printer(s).**
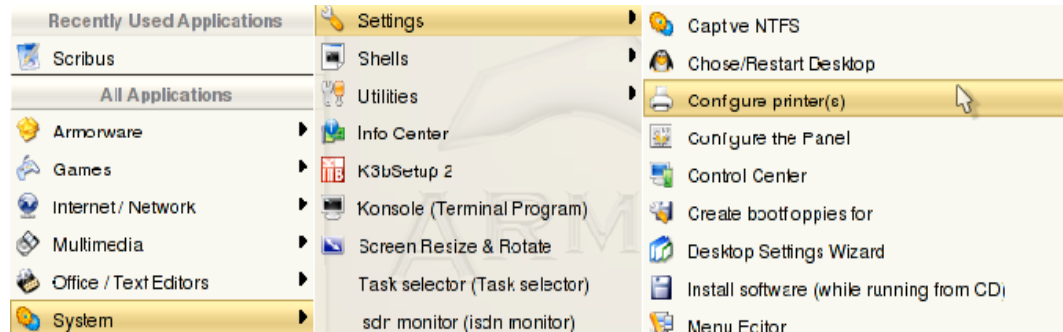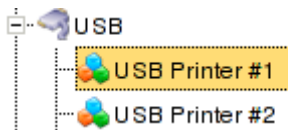

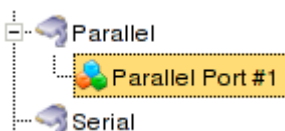2. In the *Configure Printers* Window click on the **Add → Add Printer/Class**.

Once Printer Wizard appears click **Next** [Next >]. Select **Local Printer.**

3. Next, select the port number for your printer. If you have a **USB** printer, then select a **USB** port.

And if you have a **Parallel** printer, select the **Parallel** port. Click **Next.**
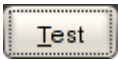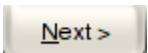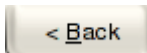
4. Select the **manufacturer** and the **model** of your printer. If your printer is not present on this list, then it is not compatible with Armorware Core 1.4. Alternatively, you can try using another printer model from the same manufacturer. Pick a model that is as close as possible to your printer. Usually it would be the two adjacent models to your printer (one above, one below the place where your printer should be in the list).

In example, if you have an HP LaserJet 3030, you can try the drivers for LaserJet 3200 or LaserJet 3300. Click **Next**.

5. In the *Driver Selection* Window choose a **driver** that has **[recommended]** written next to it. Click **Next**.

HP LaserJet 3200 (Foomatic + pxlmono) [recommended]

6. Click on **Test** [Test] to check if the test page will print. If it does print, then click **Next** [Next >] to continue. If it does not print, click **Back** [< Back] twice to go back to the printer models screen. Select a different printer model from the list. Repeat the procedure until you have tried both adjacent printer models.
   If it still does not work, please contact our support for alternate instructions at support@armorware.net .

7. Press **Next** three more times to reach the *General Information* Window. Make sure that you type in the **Name** for you printer.

General Information

Enter the information concerning your printer or class. **Name** is mandatory, **Location** and **Description** are not (they may even not be used on some systems).

Name: LaserJet

Location:

Description: HP LaserJet 3200

8. Click **Next** and **Finish**. Now your printer is ready to be used. The most important step is to **SAVE** the configurations to the USB memory drive; **otherwise you will lose the setup for the newly created printer**. Simply click on **Save Personal Configuration Files** icon on the desktop.


Save Personal Configuration Files

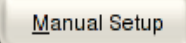# 7. Connecting to the Internet

## 7.1 ══════ Setting up Dial-up Connection ══════

If you would like to set up a dial-up connection you will need the following information:
- ✓ The ISP dial-up connection number
- ✓ Login ID (provided by the ISP)
- ✓ Password (provided by the ISP)

1. Click on **K** [icon] icon found in the bottom left corner of the desktop, then click on **System → Internet / Network → KPPP (Internet Dial-up Tool).**
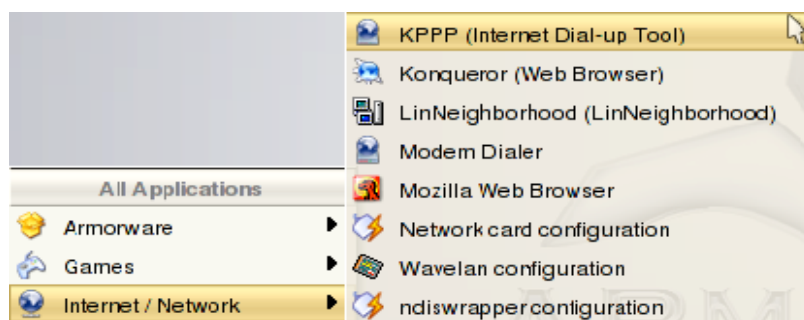

2. Once the *KPPP* Window has opened click on the **Configure** [Configure...] button. Then, in the *KPPP Configuration* Window, under **Accounts** tab click on **New…** [New...]

3. In the *Create New Account Window* click on **Manual Setup** [Manual Setup] button. Now, in the *New Account Window*, under **Connection Name** field type in the desired connection name (e.g. default or AOL). Click **Add…**
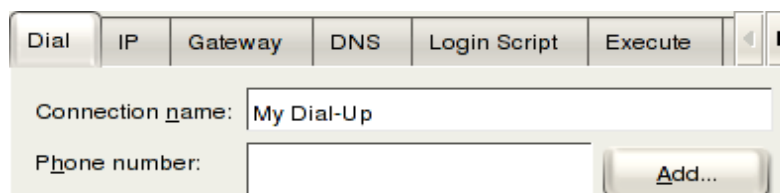
4. In the *Add Phone Number Window* enter your ISP connection **phone number**. Click **OK**. Click **OK**. Click **OK** again.
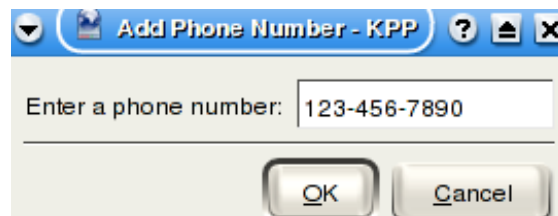
5. Now that you are back in the main KPPP Window enter your LoginID and Password. Make sure that the correct connection is selected. Click on Connect .
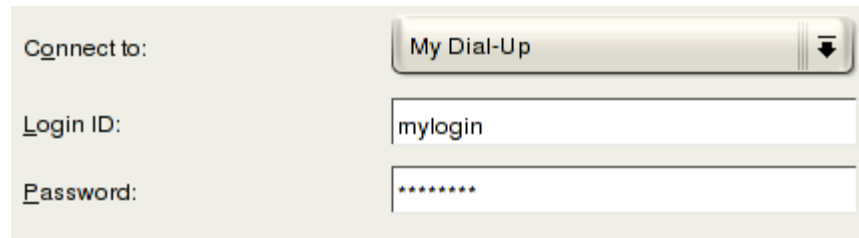
6. Once you are connected, the connection time will be displayed in the task bar at the bottom of the screen.

7. The most important step is to SAVE the configurations to the USB memory drive; **otherwise you will lose the setup for the newly created connection**. First, ensure that you are disconnected from the Internet by clicking on the **Disconnect** button and completely closing the *KPPP* window. Then, simply click on **Save Personal Configuration Files** icon on the desktop.

7.2 ═══ Setting up Cable or DSL Connections ═══

If you are using a Cable modem to connect to the Internet:
ArmorWare will detect all the necessary setting automatically and you should have the connection instantaneously.

If you are using a DSL modem to connect to the Internet:
Unfortunately, this version of ArmorWare does not support DSL connections.