USB FLASHING GUIDE

V 1.1

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1. Requirements

The following tools/files are required to update/flash the H4.

- o A pen drive or SD-card reader with a SD-card
- o The HP Drive Key Boot Utility[1] or Image writer[2]
- o The update package usually called MDI_PCK*.rar

(1) ftp://ftp.hp.com/pub/products/servers/supportsoftware/cp006001-006500/cp006049.exe
(2) http://sourceforge.net/projects/win32diskimager/files/latest/download
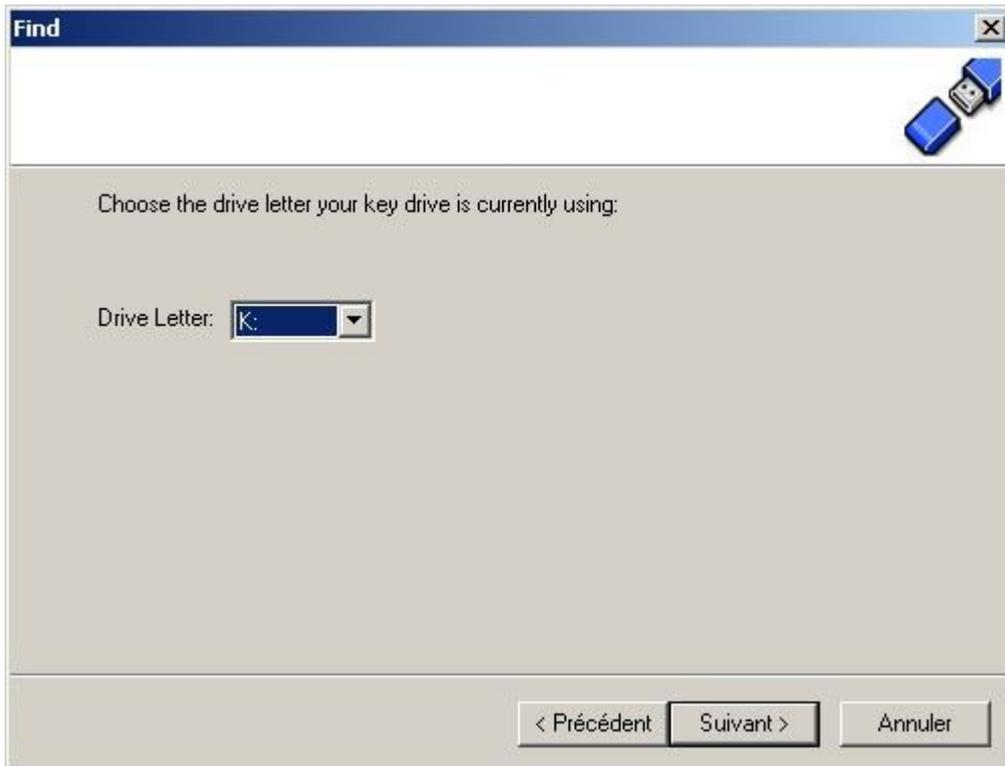
2. Build the update pen drive with Windows XP

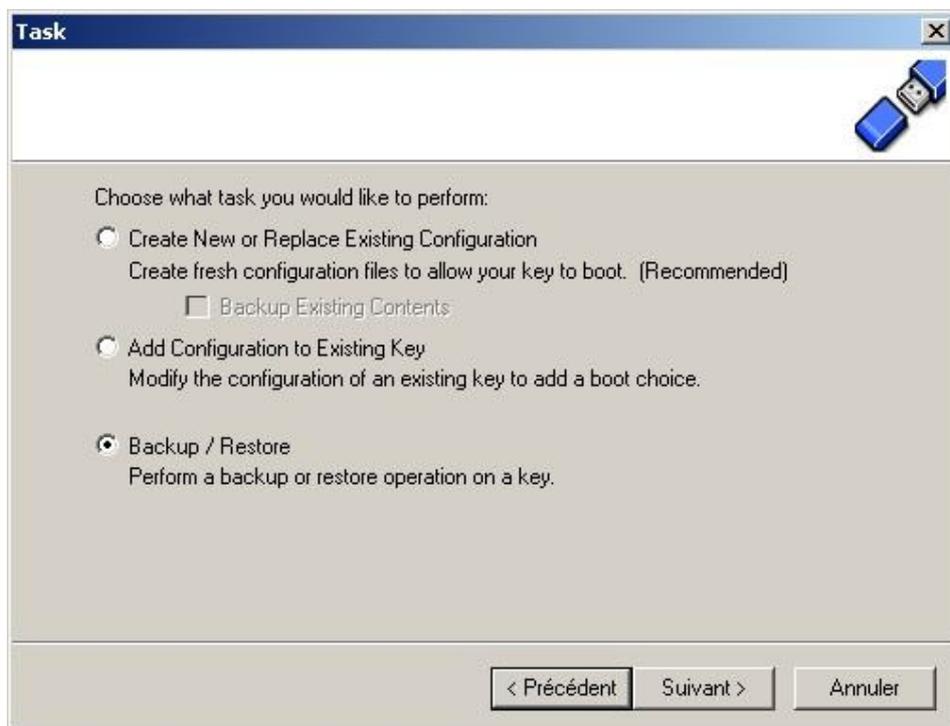The HP Drive Key Boot Utility is not compatible with windows Vista/7 use Image Writer instead.

1. Extract the package "MDI_PCK*.rar", you will have a "sd" folder, a "*.img" file and a "MDI_BSV*.rtf" file.
2. Install the HP Drive Key Boot Utility (cp006049.exe).
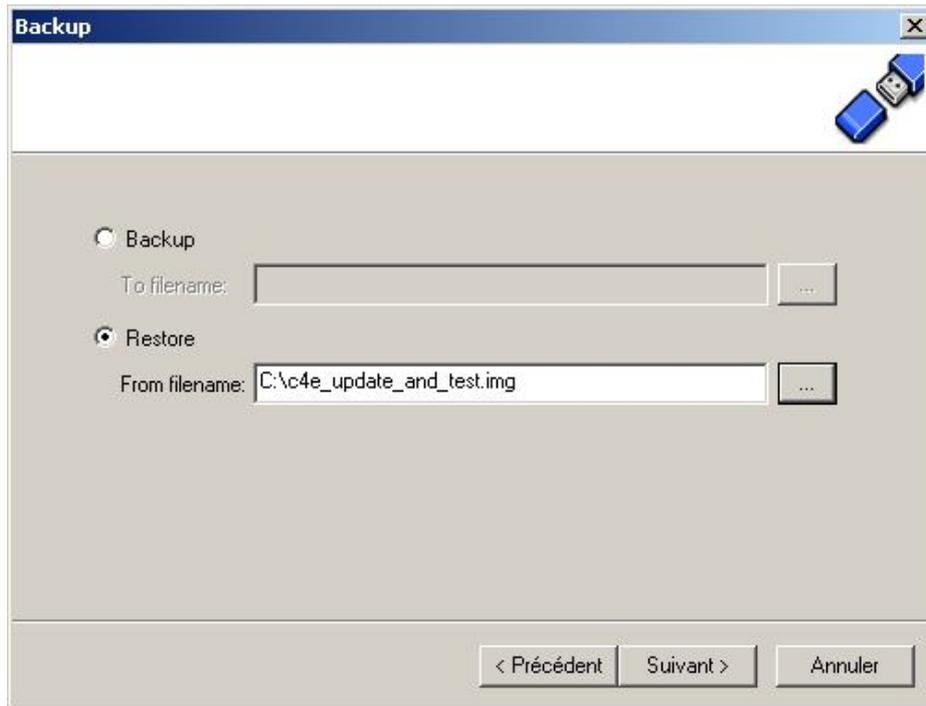3. Launch it and click **Next**.

4. Choose the Drive and click **Next**.

5. Choose **Backup/Restore** and click **Next**.

6. Browse your drive, choose the file ***.img** and click **Next**. The restoration procedure takes at least 5 minutes.

7. Click **Finish**. The drive is disabled.

8. Unplug/plug the pen drive and browse it.
9. Copies in the pen drive all the content of the "sd" folder. If you want pass the tests part add the file **update_only** (optional). If you want to force format of all partition add the file **force_format** (optional).
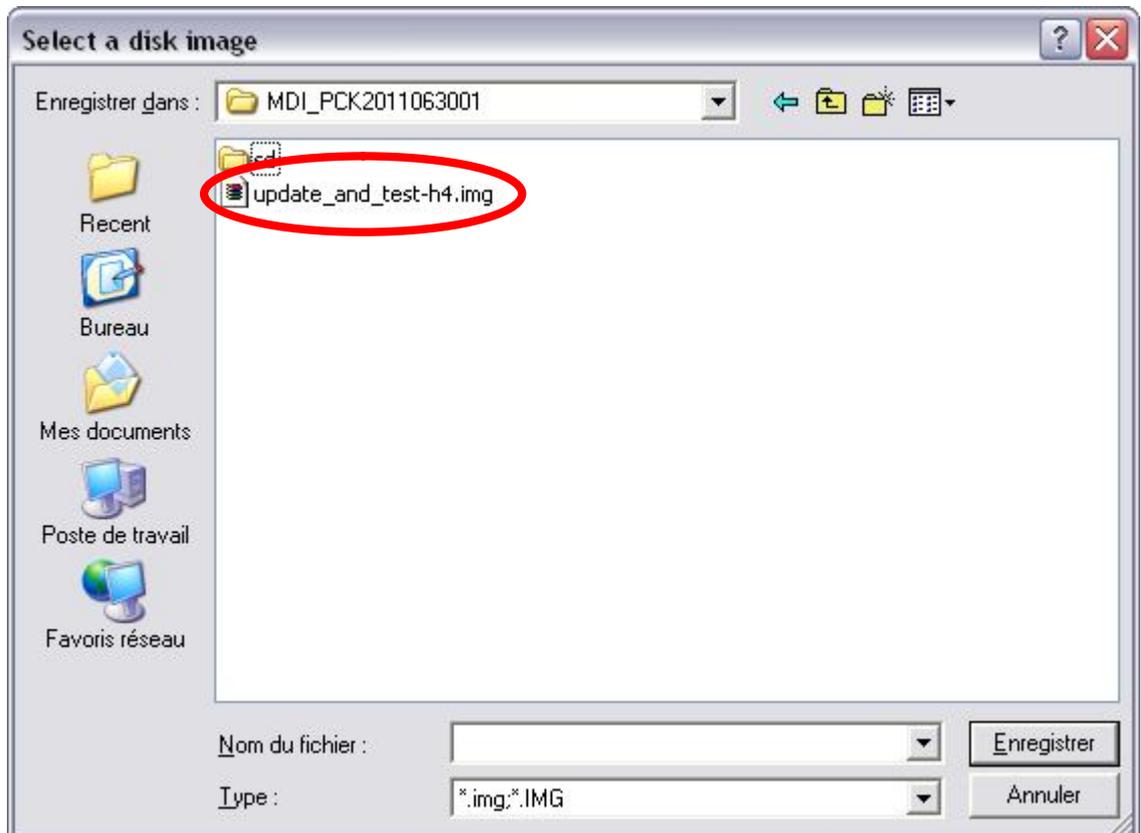
3. Build the update pen drive with Windows 7

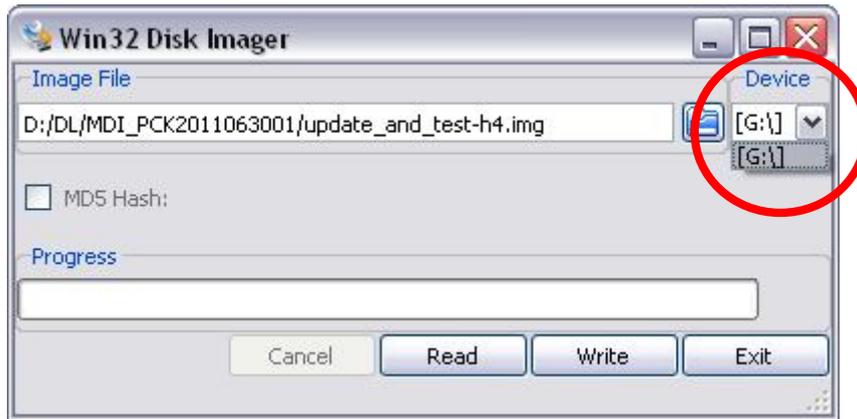⚠️ If your operating system is windows Vista/7 you need to use Image Writer tools.

1. Extract the package "MDI_PCK*.rar", you will have a "sd" folder, a "*.img" file and a "MDI_BSV*.rtf" file.
2. Install the Image Writer.
3. Launch it and click on the icon at the end of the "Image File" field.

4. Browse your drive, choose the file ***.img**

5. Choose the Drive

6. Click **Write**. The restoration procedure can take several minutes.

7. Unplug/plug the pen drive and browse it.

8. Copies in the pen drive all the content of the "sd" folder. If you want pass the tests part add the file **update_only** (optional). If you want to force format of all partition add the file **force_format** (optional).

4. Build the update pen drive with Linux

<u>Method #1</u>

1. Extract the update package (MDI_PCK*.rar).
2. Plug the pen drive.
3. Open a Linux console and type the command **dmesg** <ENTER>.
   → This command returns the name of the new detected device. Here we will use sda.
4. Type the command **cat c4e_update_and_test.img > /dev/sda** <ENTER>.
5. Unplug/plug the pen drive and browse it.
6. Copies in the pen drive all the content of the "sd" folder. If you want pass the tests part add the file **update_only** (optional). If you want to force format of all partition add the file **force_format** (optional).

<u>Method #2</u>

1. Open a Linux console.
2. Plug the pen drive.
3. Open a Linux console and type the command **dmesg** <ENTER>.
   → This command returns the name of the new detected device. Here we will use sda.
4. Type the command **umount /dev/sda** to unmount all mount points like /dev/sda
5. Type the command **cat c4e_update_and_test.img > /dev/sda** <ENTER>.
6. Unplug/plug the pen drive and browse it.
7. Copies in the pen drive all the content of the "sd" folder. If you want pass the tests part add the file **update_only** (optional). If you want to force format of all partition add the file **force_format** (optional).

<u>Method #3</u>

1. Open a Linux console.
2. Plug the pen drive.
3. Open a Linux console and type the command **dmesg** <ENTER>.
   → This command returns the name of the new detected device. Here we will use sda.
4. Type the command **umount /dev/sda** to unmount all mount points like /dev/sda
5. Type the command **dd if= c4e_update_and_test.img of=/dev/sda** <ENTER>.
6. Unplug/plug the pen drive and browse it.
7. Copies in the pen drive all the content of the "sd" folder. If you want pass the tests part add the file **update_only** (optional). If you want to force format of all partition add the file **force_format** (optional).

<u>Method #4</u>

1. Open a Linux console.
2. Plug the pen drive.
3. Open a Linux console and type the command **dmesg** <ENTER>.
   → This command returns the name of the new detected device. Here we will use sda.
4. Type the command **umount /dev/sda** to unmount all mount points like /dev/sda
5. Type the commands
   FILENAME= c4e_update_and_test.img
   FILESIZE=$(stat -c%s "$FILENAME")
   dd if= c4e_update_and_test.img of=/dev/sda bs=1M count=$FILESIZE
6. Unplug/plug the pen drive and browse it.

Copies in the pen drive all the content of the "sd" folder. If you want pass the tests part add the file **update_only** (optional). If you want to force format of all partition add the file **force_format** (optional).