

# PCClone EX



User's Guide

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- IOI. is not liable for any consequential, incidental or indirect damages (including damages for indirect personal injury, loss of business profits, business interruption, loss of business information and the like) arising out of the use or inability to use this product.

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## Fast & Safe Recovery System Tool

### A Fast Recovery System using the external USB HDD

The newest PCClone EX is developed according to FNet's patented recovery tech & system backup. It possesses a powerful system backup function; through FNet PCClone, the whole computer systems can be backed up to USB HDD, which can be either 2.5 inch or 3.5 inch. When PC users encounter that their PCs can't boot due to virus attack, or unphysical HDD glitch, or system error etc.; they can use this USB HDD to restore their files & OS quickly.

#### ● The Most Convenient Back-up System

The external USB HDD is a kind of necessary accessory nowadays. Just make system backups through PCClone EX into external USB HDD; it can restore PC systems easily without backup programs or burning of a mass of CDs. PC users could freely recover computer system by USB HDD as soon as they meet any PC problems.

#### ● The Easiest Operating Interface

FNet PCClone EX hot key design produces access to USB HDD in seconds. In only one step, the system backup or recovery can be completed fast and easily. All operating functions are designed to be a diagrammatic interface for easy use. It doesn't require special skills to setup; anyone can do it.

#### ● The Fastest Backup & Recovery

FNet PCCloneEX is currently the fastest recovery product. FNet R&D team designed specialized system backup & patent recovery tech to significantly shorten the backup time; and the recovery function can be directly through the external USB HDD booting and immediately goes on the recovery screen. It doesn't need a boot disk nor waiting.

#### ● Most Security for Backup & Recovery

Through FNet Fast System Backup & Restore Technology, the operating system can be backed up to USB HDD by Sector-Level Backup. As soon as users want to restore; the restore screen can display right away through USB boot without boot disk or wasted time. Meanwhile, PCClone will verify whether any errors occurred before restoration that can assure full files restore. Other backup software tools on the market use the file backup method, which runs the risk of data loss.

#### ● The Highest Compatible Product

Configuration differences of every computer results in lower compatibility between backup & recovery system and computers so some of computers can only access backup function. This is inconvenient for PC users who would like to use both functions. Only PCClone Ex provides a CD for USB boot; in case their computers don't support USB or USB-HDD boot. It doesn't matter! Through the USB slot and CD, the system can be restored. Higher compatible PCCloneEx is the most reliable and best choice for PC users.

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## System Requirements

- Pentium computers or 100% compatible computers.
- Support OS: Microsoft Windows XP and 2000 but Server.
- CPU Pentium or above.
- 128 MB RAM.
- Display card: compatible with VESA standard.
- USB 2.0 enable system.
- Mother board BIOS support USB-HDD or CD-ROM boot.
- Microsoft compatible mouse is suggested.
- CD-ROM driver.
- An external USB (2.0) hard disk.

# PCClone EX

Safe & Fast Recovery from the external device

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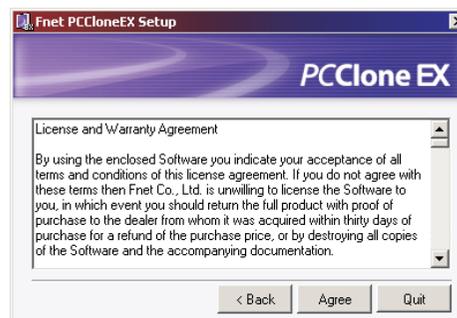
## 1. Software Install

### Steps



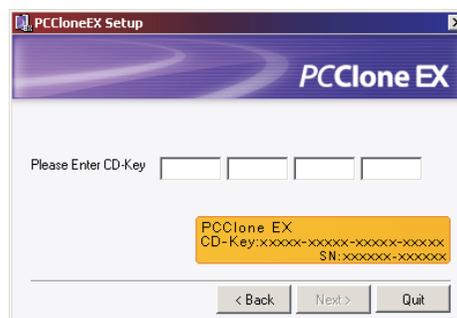
1. Please put PCClone EX CD into CD ROM drive, the program directly goes on the screen of PCClone Setup Wizard.  
(In case the screen doesn't come out, please operate the window box of "setup.exe")

2. Click "install".



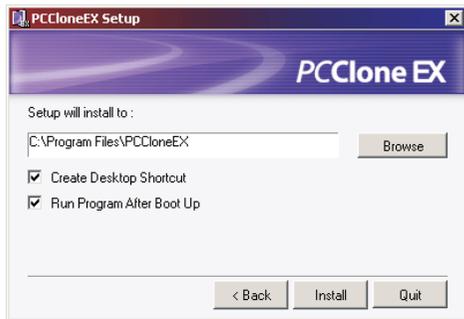
3. Please read the license agreement in detail.

4. If users accept the agreement, please click "Agree" to install.

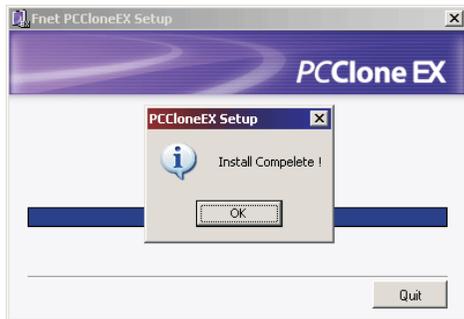


5. Please key in the CD-Key which comes from the yellow sticker.

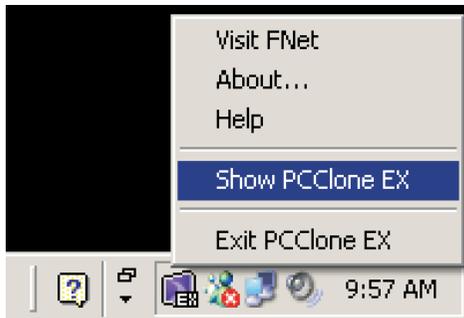




6. Please setup the installing pathway, and then click "Install" to next.



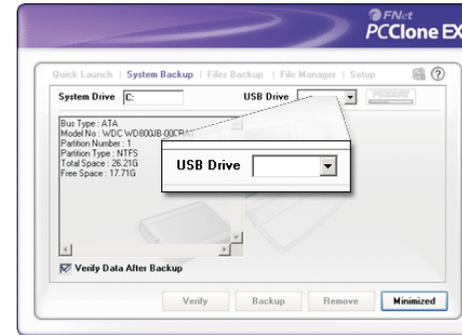
7. The installation is completed, please click "OK" to exit.



8. "PCClone Ex" icon will displays in the notification area after setup; users can double-click the icon or press the right key of the mouse to execute PCClone EX.

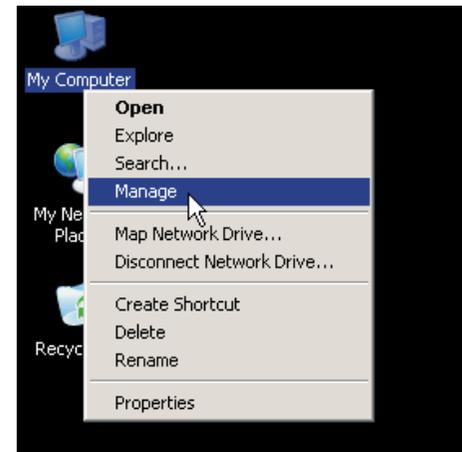
## 2. Create Partition

If your USB HDD has managed already, please skip this part and move on next context.

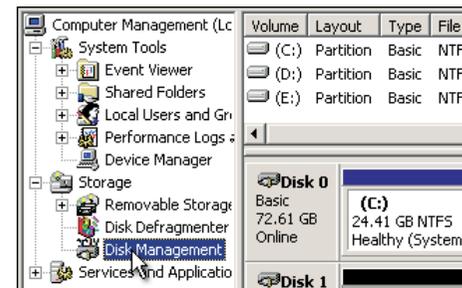


1. Please plug USB HDD. (Turn on the USB power.)
2. Execute PCClone EX.
3. If USB Drive doesn't display any driver letter, the USB external HDD can be a brand new or the HDD may hasn't managed the partition yet. If so, user can not use PCClone EX, please manage the disk first. (If the driver letter has been displayed, please directly skip the steps about disk management and move on next context.)

### Steps

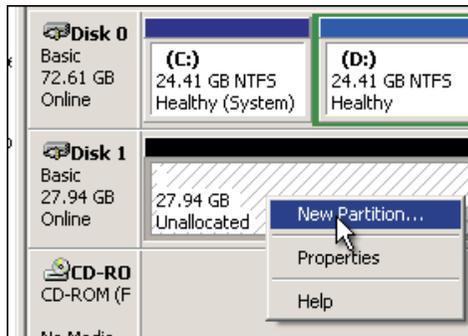


1. Please right click "My computer", and point "manage". (It also can click in succession as "Start" -> "Control Panel" -> "Administrative Tools" -> "Computer management")

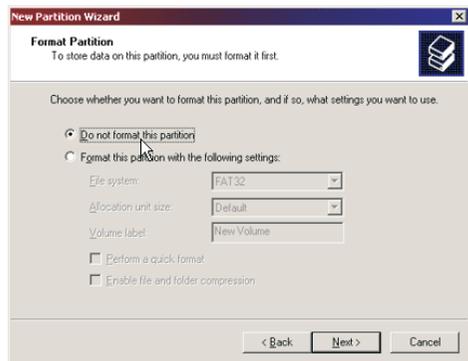


2. Please click "disk management" as the left window, and then find the disk management as the right window.

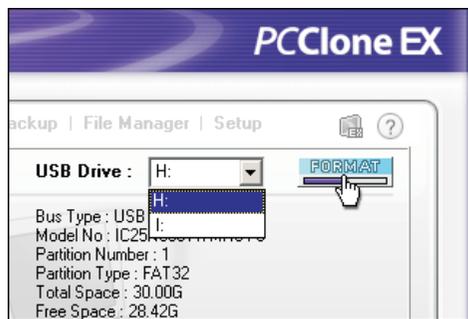




3. Please click "disk management" as the left window, and then find the disk management as the right window.
4. Please right click the disk of "unallocated", and point the "new Partition".  
(In order to make sure the disk of "Unallocated" whether the USB disk uses this area or not, users can find out by removing and plugging the port of USB connection.)



5. Please execute "New Partition Wizard".
6. Please select "Do not format this partition" as the setup of "Format Partition" (Please refer to the diagram of the left side)
7. Please accord to all the setup, and then complete the disk management.



8. After the disk is managed, the USB drive letter will be displayed.
9. Please click "FORMAT" for moving on "FNet Utilities FAT32 Format" to format the HDD, after that, PCCloneEX can be used.  
(Please refer to the detail from "FNet Utilities FAT32 Format" of System Backup.)

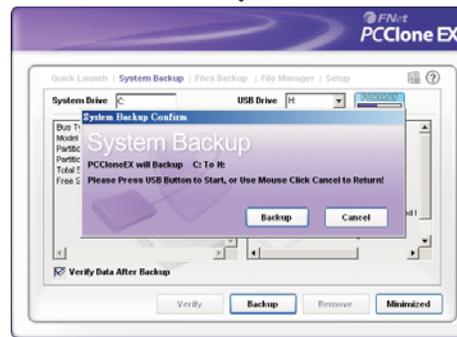
### 3. One Button Backup

One Button backup function only supports the external HDD case with button design--It won't set comprehensive steps for backup anymore, only use the button on the external HDD case. (For first time using, please refer to the context of "System backup" and "Setup".)

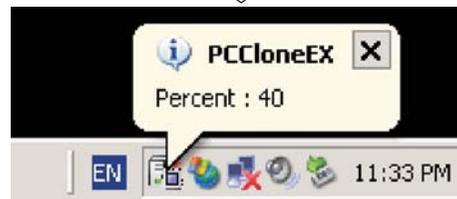
#### System Backup Steps



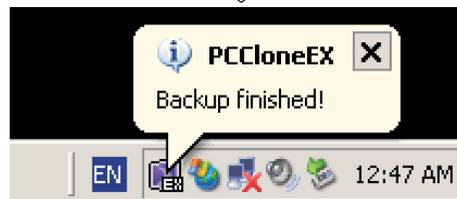
1. Please plug USB HDD. (Turn on USB power)
2. Execute PCCloneEX.
3. Press the button around 3 seconds.



4. A dialog window will jump out for confirming the system backup or, users can click "start" by the mouse.



5. When the backup is in progress, PCCloneEX diagram will be blinking at the notification area. There is a dialog box will be displayed the progress every single 10 percentages.



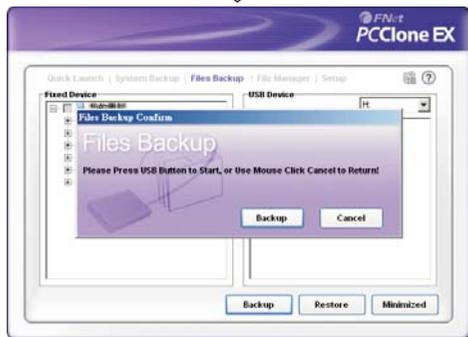
6. After the backup is completed, PCCloneEX diagram at notification area will appears the "backup finished".

One Button backup function only supports the external HDD case with button design--It won't set comprehensive steps for backup anymore, only use the button on the external HDD case. (For first time using, please refer to the context of "System backup" and "Setup".)

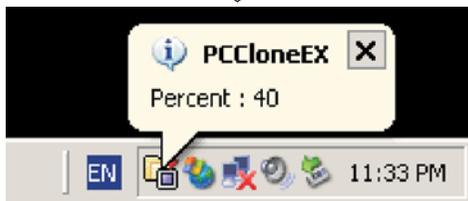
## File Backup Steps



1. Please plug USB HDD. (Turn on USB power)
2. Execute PCCloneEX.
3. Just press the button on the external case.



4. A dialog window will jump out for confirming the system backup or, users can click "start" by the mouse.



5. When the backup is in progress, PCCloneEX diagram will be blinking at the notification area. There is a dialog box will be displayed the progress every single 10 percentages.



6. After the backup is completed, PCCloneEX diagram at notification area will appears the "backup finished".

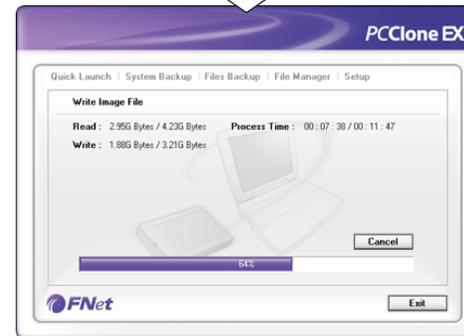
## 4.Quick Launch

Users can directly execute "System Backup" from Quick Launch, or use their own "hot key", only one step, and the system data will be backed up easily. (For the first time using, please refer to the subject of "System Backup", or setup your own hot key in "Setup".)

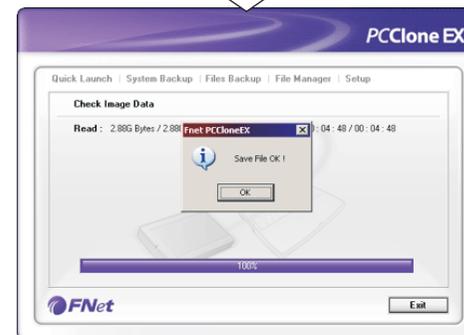
## System Backup Steps



1. Please plug the external USB HDD into PC, and turn on the power.
2. Execute PCClone EX.
3. Go on PCClone EX/Quick Launch screen.
4. Please click "System Backup".
5. Appearing a dialog screen, please click "OK" to backup. (Users can also use the hot key they previously set to backup.)



6. When the backup is in progress, the widow shows in progress and proceed time.



7. When backup is done, click "OK" for file save! (The system files have been successfully through PCCloneEX into USB HDD.)

Users can directly execute "File Backup" from Quick Launch, or use their own "hot key", only one step, and the system data will be backed up easily. (For the first time using, please refer to the subject of "File Backup", or setup your own hot key in "Setup".)

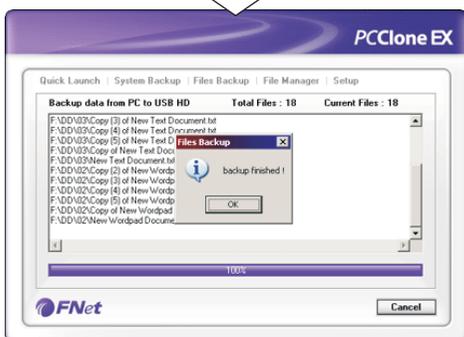
## File Backup Steps



1. Please plug the external USB HDD into PC, and turn on the power.
2. Execute PCClone EX.
3. Go on PCClone EX/Quick Launch screen.
4. Click "File Backup".  
(Users can also use the hot key they previously set to backup.)



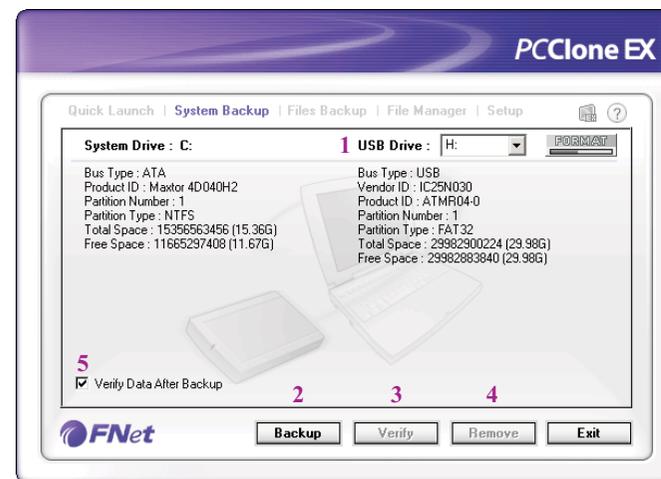
5. Appearing a dialog screen, please click "OK" to backup.



6. When backup is in progress, the window shows progress and proceed time.
7. When backup is done, click "OK" for backup finish!  
(The file backup has been successfully through PCCloneEX into USB HDD.)

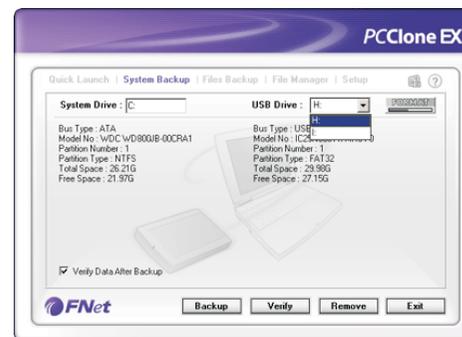
12

## 5. System Backup



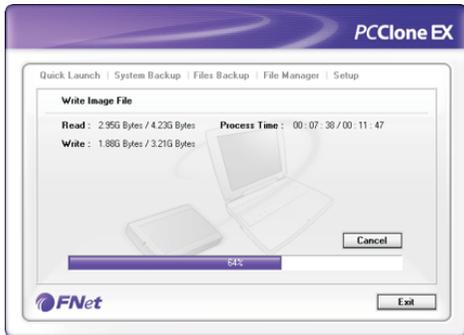
1. There are two or more physical USB HDDs, in the list box you can choose which USB HDD you are going to backup.  
(There are 2 or more partitions in the USB HDD; the USB drive only appears the first partition, because PCClone EX backup function only retains the system files in the first partition of USB HDD. Thus, please check whether or not the first partition has sufficient space.)
2. Execute "backup".
3. This function verifies whether or not errors occurred in the system backup files of USB HDD.
4. Delete existing backup files from the USB HDD.
5. Immediately verifies any errors from USB HDD after backup.

## System Backup Steps

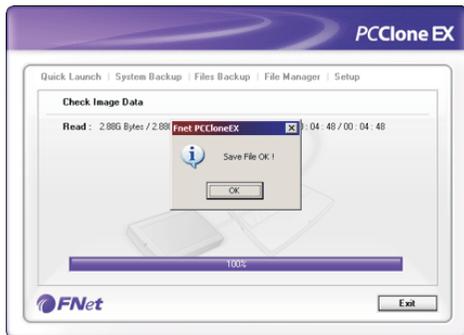


1. Please plug the external USB HDD into PC, and turn on the power.
2. Execute PCClone EX.
3. Click "Backup system".
4. Choose one of USB HDDs you would like to backup if you have 2 or more USB HDDs.
5. Please click "Verify Data After Backup", which will immediately verify any errors from USB HDD after backup. (Tick it will be recommended.)
6. Please click "Backup" to start.

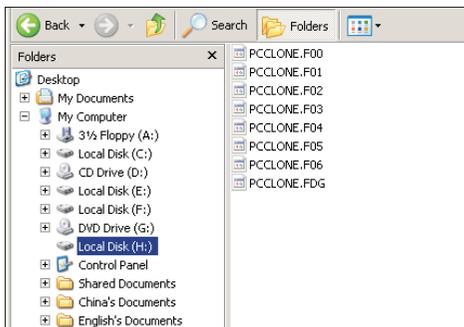
13



7. When the backup is in progress, the window shows progress and proceeding time.

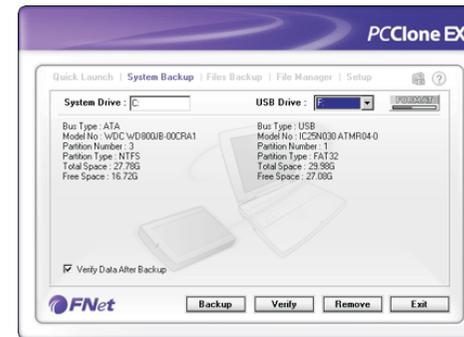


8. When backup is done, and click "OK" for file save!  
(The system files have been successfully through PCCloneEX into USB HDD.)

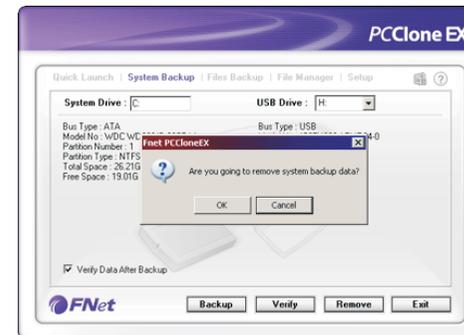


9. The drive G of the root directory displays a "PCClone" hidden file; all of system backup files are located in there. Don't delete it imprudently.

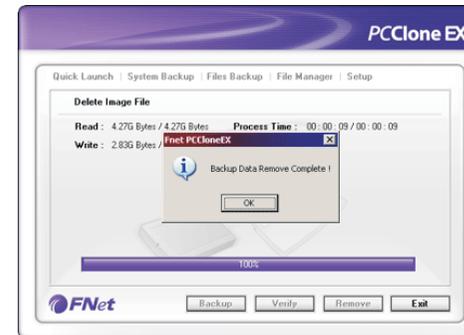
## Remove System Backup Steps



1. Please plug USB HDD into PC, and turn on the USB power.
2. Execute PCClone EX.
3. Go on "System Backup" screen.
4. Click "Remove".



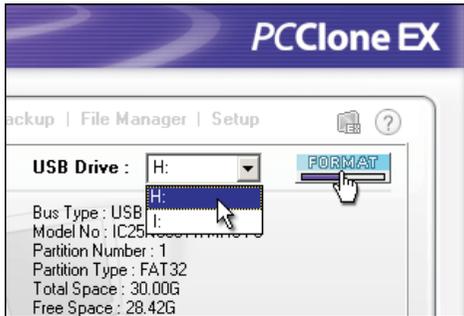
5. When the window comes out a dialog which inquires "Are you going to remove the system backup data?" Please press "OK".



6. The files of system backups are removed already, please press "OK". (The files are deleted from USB HDD by PCClone EX. "Remove" function.)

**FAT32 Format Utility**-When users use PCCloneEX to perform system backup, the file system of USB HDD must be FAT32. But the Fat32 format Utility in Windows 2000/ XP only support the size up to 32GB, therefore, PCCloneEX program particularly provides [FNet Fat 32 Format Utility, which can maximize size to 4TB](#). Users just setup USB drive and then execute this function, it will format quickly. (**Attention:** all data in USB HDD will be deleted if you use this function)

## Steps



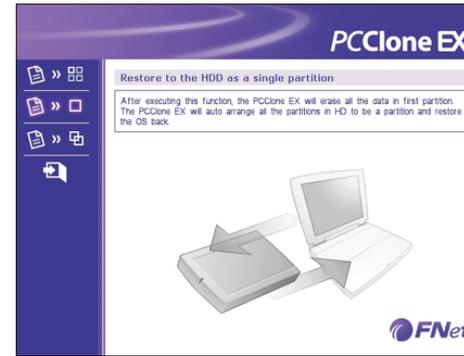
1. Please plug USB HDD, and turn on the computer.
2. Execute PCCloneEX.
3. Go on "System Backup" screen.
4. Please set USB drive for formatting.
5. Press "Format".



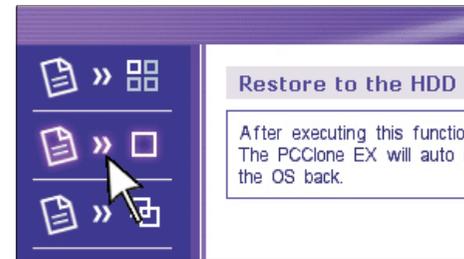
6. The screen of "FNet Utilities FAT32 Format" comes out; please click "Start".
7. The formatting is completed. Please press "OK".  
(The selected USB HDD has formatted by this program to be FAT32 file system.)

## 6. System Restore

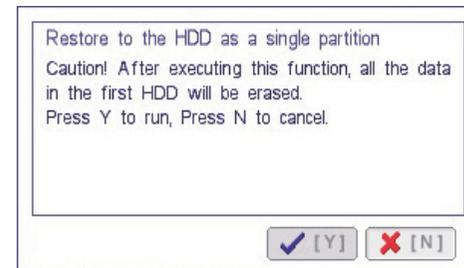
### Steps



1. Please plug the external USB HDD into the computer, and turn on the power.
2. Enter Bios setup to set the first device as USB-HDD. (If user's computers don't have USB-HDD, please set CD-ROM boot, and use attached FNet PCClone CD boot.)
3. Here shows PCClone EX's restore screen.  
(There are 4 options on the left of PCClone Ex screen; for details of Option No.1 ~3 please refer to [Restore Options](#); Option No.4 is Exit.)



4. Go back to the restore options.  
(Please refer to [Restore Options](#); for example: Option 2)

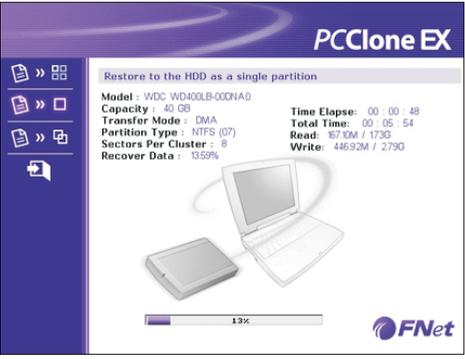


5. Restore the whole hard disk as a single partition. (First warning)

HDD INFO  
 Model : Virtual HD  
 Capacity : 2 GB  
 Transfer Mode : DMA

Restore to the HDD as a single partition  
 Caution again! After executing this function, all the data in the first HDD will be erased.  
 Press A to run, Press N to cancel.

Verify before restore



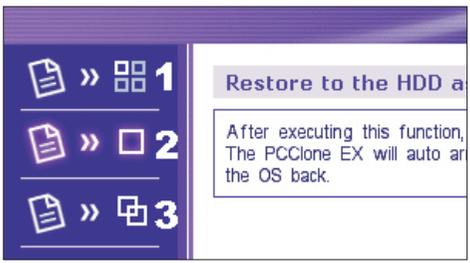
Recover Successes  
 Please remove USB HDD or turn off USB HDD Power.  
 Press Y to restart.

- 6. Restore the whole hard disk as a single partition. (Second warning)
- 7. "Verify before restore": immediately verifies any errors from USB HDD after backup.

- 8. The program is storing after double confirmation, the window shows progress and proceeding time.

- 9. Restore successes!
- 10. Please remove USB HDD or turn off the USB HDD power.
- 11. Press "Y" to restart. ("Restore" function has completed!)

## Restore Option



- There are 3 restore options:**
- Options 1:** Restore to the pre-make active partition.
  - Options 2:** Restore to the whole of hard disk as a single partition.
  - Options 3:** Automatically arrange to be 2 partitions and restore all the files to first partition. (Drive C: 40 % Drive D: 60%)

### Options 1

However, how many partitions in your first physical hard disk; after you execute this function. PCClone EX will delete your data in the pre-setup active partition only; then restore the OS (backup files) to this active partition; the other partitions won't be destroyed or deleted.

Such as: there are C, D and E partitions in the hard disk. If the partition C is the Active Partition. After execute this function, all the data in the partition C will be deleted. Then restore the OS (backup files) to the partition C. The other partitions D and E won't be affected.

### Options 2

**(Notice: All data in the hard disk will be deleted, if you select this option.)**

After use this function. PCClone Ex will erase all data in the first partitions. And automatically arrange the hard disk as a single partition: then restore the operating system (including all data) to the hard disk.

Such as: there are over 2 partitions in the hard disk like C/D/E. Execute this function. All data and partitions(C/D/E) will be deleted. And arrange as a single partition C. Then, restore OS & all the backup data to the partition C.

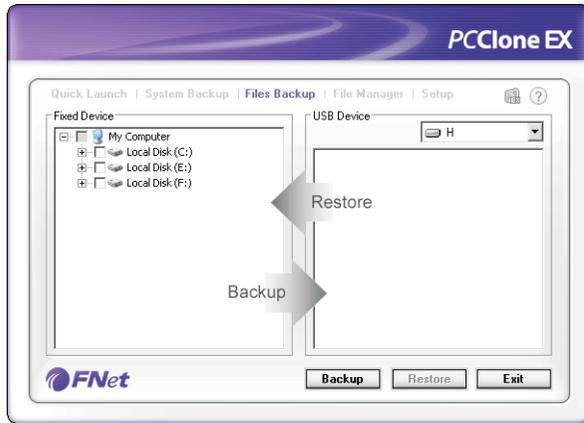
### Options 3

**(Notice: All data in the hard disk will be deleted, if you select this option.)**

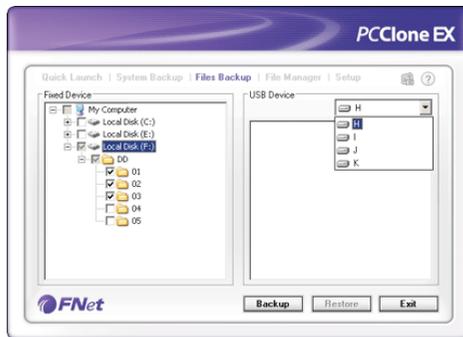
After select this function, PCClone EX will erase the present data in the physical hard disk that includes all of other partitions in the whole hard disk; and automatically arrange the hard disk to be 2 partitions; then, restore the OS (backup files) to the first partition; The second partition will be blank area. (Drive C: 40%, Drive D: 60%)

Such as: there are over 2 partitions in the hard disk like C, D and E. After execute this function, PCClone EX will erase all the files and partitions C, D, E and arrange to be 2 partitions C and D. Then, restore the OS (backup files) to the partition C.

# 7.File Backup



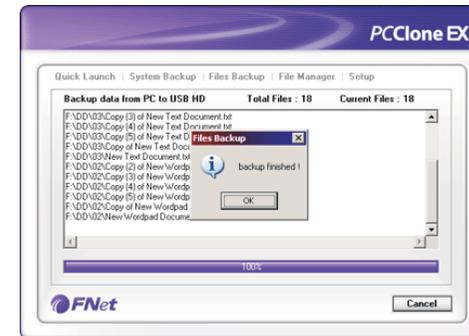
## Steps



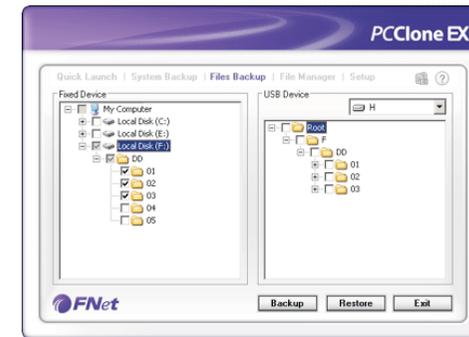
1. Please plug the USB HDD into the computer, and turn on the power.
2. Execute PCClone EX.
3. Click "File backup".
4. Select folders / drives from the fixed device.
5. Set one of USB devices for backup. (Please refer to "Setup", and then set some options for the first time using.)



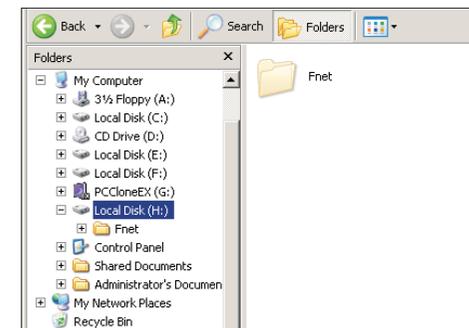
6. Select "Backup" and press "OK" to start.



7. Backup is completed, please press "OK".

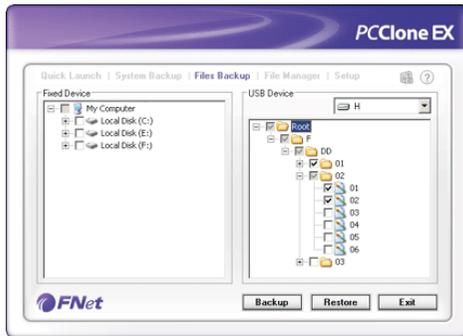


8. The selected folders have been moved from the fixed device to the USB device successfully.

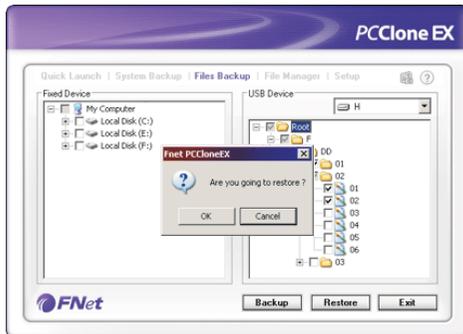


9. There is a hidden root directory F:\FNet in the USB device, all the file backups are kept in there. Be careful, don't delete it carelessly.

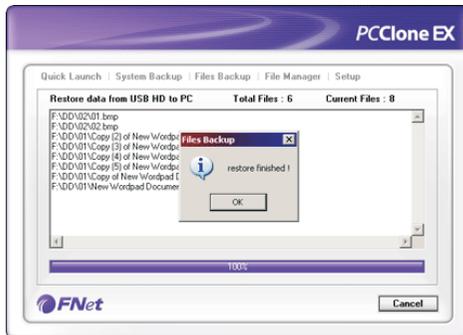
## File Restore Steps



1. Please plug the USB HDD, and turn on the power.
2. Execute PCClone EX.
3. Go on the PCClone EX screen.
4. Click "File Backup".
5. Select folders/files of USB device you would like to restore.

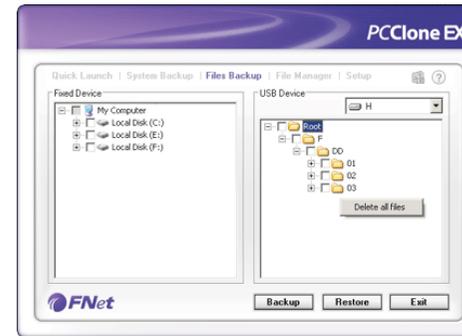


6. Click "Restore", then press "OK" to start.

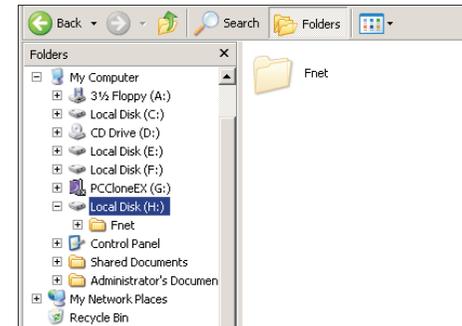


7. When "Restore" is finished, please press "OK".

## Erase File Backup

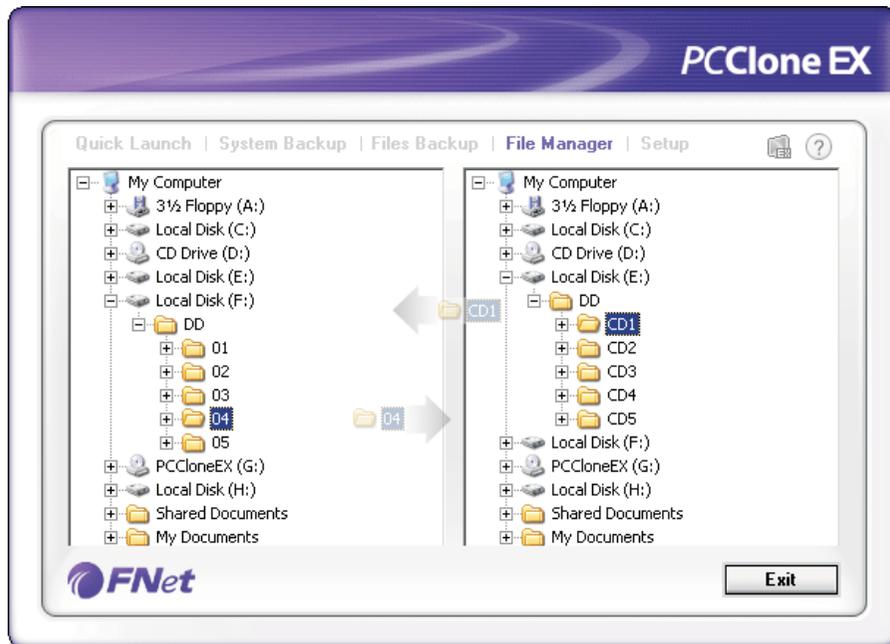


1. Please plug USB HDD, and turn on the power.
2. Execute PCClone EX.
3. Go on PCClone Ex screen.
4. Select the "File backup" of USB Device, then, right click the mouse to click "Delete all Files", all files in the USB device will be deleted.



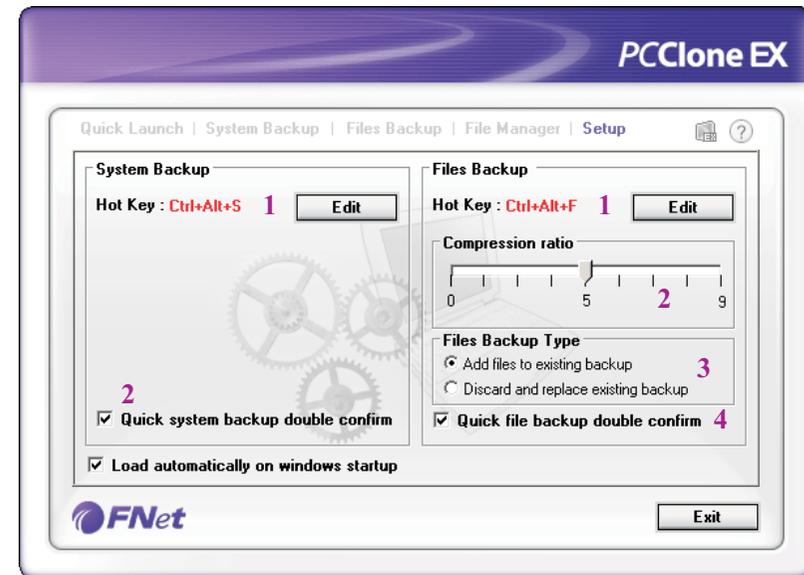
5. Otherwise, delete the root directory F: FNet directly; it will also work.

## 8. File Manager



PCClone EX Manager function is the same as Windows Explorer. PC users can directly drag the files forward and backward between the fixed device & USB device. It is convenient for users who manage or check their files without clicking the icon of "Windows Explorer" or "My Computer".

## 9. Setup



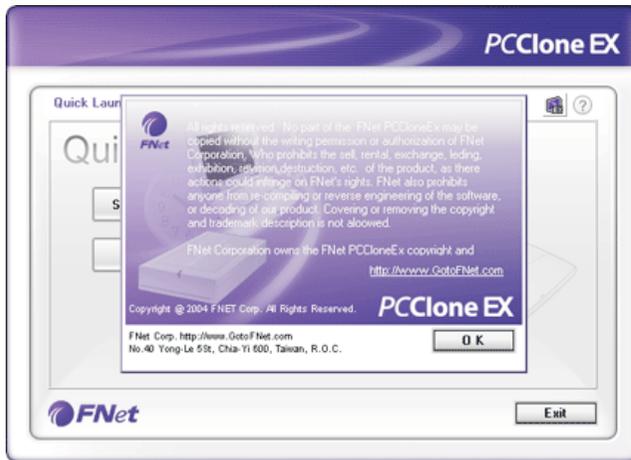
### System Backup

1. When users click "Edit", which can be made up of their own hot key by choosing "Ctrl", "shift", "Alt" and Added a number, or a letter, or function key, or whatever they want to consist of a hot key. Thus, every user has their own edited key to execute System backup of PCClone EX.
2. When users back up using their hot key, a default dialog box will pop up to asking for confirmation. If users want to backup directly, please cancel the default.

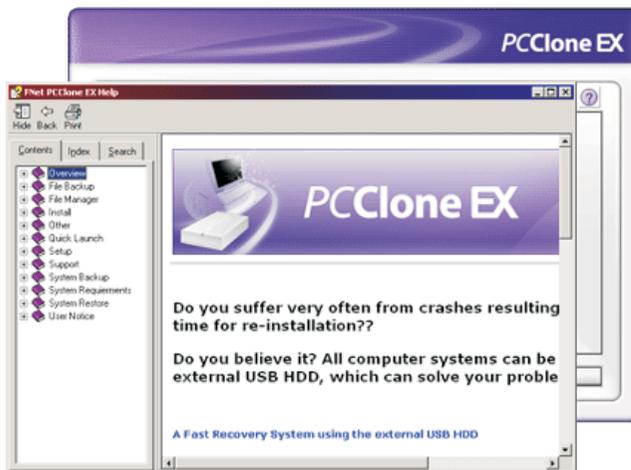
### File Backup

1. When users click " Edit", which can be made up of their own hot key by choosing "Ctrl", "shift", "Alt" and Added a number, or a letter, or function key, or whatever they want to consist of a hot key. Thus, every user has their own edited key to do file backup.
2. "0" is decompression; the others are sequence from 1~9, when the number is bigger, compressing rate will be higher and file size is smaller. Naturally, the time should be taking longer for higher compression.
3. There are two modes for file backups; one is "Add~", this function only backs up additional files to the external USB HDD; the other one is "Discard~", this function duplicates all data & OS from your PC to the external USB HDD.
4. When users back up using their hot key, a default dialog box will pop up to asking for confirmation. If users want to backup directly, please cancel the default.

## 10. Other



Concerning PCClone EX spec, please click the icon of "PCClone EX" on the right side of upper corner of the screen, or right click the icon of "PCCloneEX" in the notification area.



Please click the icon of "PCClone EX" on the right side of upper corner of screen, "About PCClone EX" dialog will display and assist to recognize PCClone EX.

## 11. Technical Support and Services

### Technical Support

For additional information you can visit our website at <http://www.ioiusb.com>. If you need technical support,



please e-mail your questions to [tech@ioi.com.tw](mailto:tech@ioi.com.tw)

Our professional Customer Support and Technical Support engineers will be glad to provide the service to you.

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