SAMSUNG

Portable Series

USER MANUAL

External Hard Drive

S2 Portable

- HXMU016DA
- HX-MU016DA
- HXMU025DA
- HX-MU025DA
- HXMU032DA
- HX-MU032DA
- HX-MU040DA
- HXMU050DA
- HX-MU050DA
- HX-MU064DA
- HX-MUD75DA
- HX-MU010EA
- HX-MUT75DA
- HX-MUD10EA

S2 Portable 3.0

- HX-MTA25DA
- HX-MTA32DA
- HX-MTA50DA
- HX-MTA64DA
- HX-MT025DA
- HX-MT032DA
- HX-MT050DA
- HX-MT064DA
- HX-MTD75DA
- HX-MTT75DA
- HX-MT010EA
- HX-MTD10EA

M3 Portable

- HX-M500TCB
- HX-M101TCB
- HX-M500TAE
- HX-M101TAE

Read Me First

About this Manual

Your product comes with a quick start guide and a user's manual.
Following the instructions and precautions of this manual will ensure easier and more enjoyable use of your Portable Series External Hard Drive.

Quick Start Guide

A start guide is provided with the purchase of Portable Series External Hard Drive.
The quick start guide explains product components and provides simple instructions on how to install the product.

User's Manual

The User's Manual contains detailed information about features and instructions on using your Portable Series External Hard Drive.

Using this Manual

Carefully read and understand the "Handling Precautions" section before using the product.
Failure to follow all the instructions as outlined in the Handling Precautions section could result in damage to you or to your Portable Series External Hard Drive.

- Refer to the Troubleshooting section first if you experience a problem with the product.

Icon Guide

Icon		Meaning
	Precautions	These must be read thoroughly before using any of the functions.
	Caution	This contains must-know information about functions. User must be careful.
	Note	This contains useful information about the functions.

Software and user's manuals are available for download at the Samsung Hard Drive website (samsunghdd.seagate.com).
The content of this User's Manual may change without prior notice for product improvement purposes.

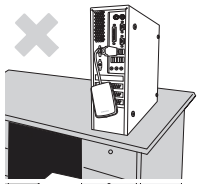
Handling Precautions

The following information serves to ensure user's safety and prevent damage to user's properties. Carefully read the information provided and use your product correctly.

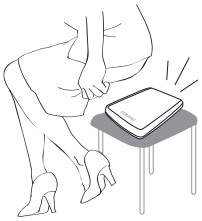
Supplied with the rated USB BUS Power

Your Samsung Portable Series must use the USB Bus Power. Please connect to the USB Port supplied with the rated USB BUS Power.

Installation Related



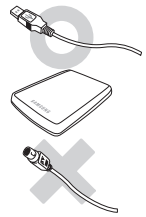
Use the product on a flat surface.



Do not sit on the product and do not place a heavy object over the product.

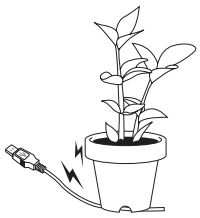
Product case or connector can be damaged and may cause a break down.

Data Cable Usage



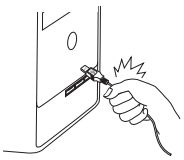
Standardized data cable

This may increase the wrong operation and may cause a malfunction.



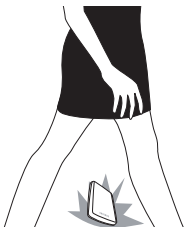
Do not severely bend the data cable and do not place a heavy object over the data cable.

If the data cable is damaged, it may cause a malfunction.



Do not unplug the data cable by severely pulling the cable.

This may damage connector on the product and may cause a problem with the product.

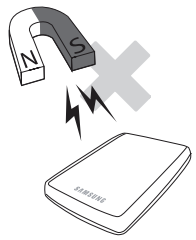


Shock

The external drive is very portable and you may easily drop it. Take care not to drop and tip the product while carrying the external drive. If you make an impact on the external drive, it may cause bad sectors on the disk. Bad sectors can cause various and potentially read/write errors.

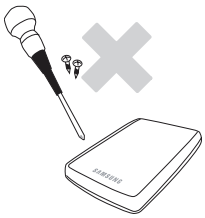
Humidity

If you use the product in places exposed to humidity, it may danger of electric shock. In addition, prolonged exposure to moisture can corrode various parts and components.



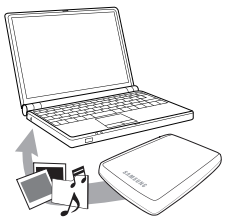
Magnets

Magnetic objects can cause various types of damage to the External Hard Drive, including data damage. Keep magnets and magnetic objects away from the external drive.



Disassembly and Label Removal

For repair, please visit the designated (samsung) customer service center. Unauthorized disassembly, repair, or reform of the product and unauthorized removal of the labeling will void your warranty.



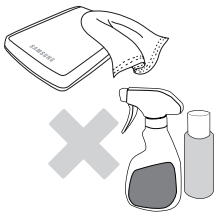
Always Backup your Important Data

The external drive manufacturer does not guarantee data stored in the external drive and will not assume responsibility for any mental or material damage incurred during data recovery.

- Backup : Storing the original and a copy on two or more separate and accessible storage media.

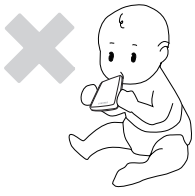
Regular Virus Scanning

Frequently scan the device for viruses and protect the external drive from virus infection.



Cleaning the product

Never use cleaning fluid or similar chemicals.
Do not spay cleaner directly on the product.
It may cause discoloration and deformation of the product.



Custody Related

Keep the product and accessories out of the reach of children. It may cause personal injuries and problem.

Safely Remove Hardware

Always use the Safely Remove Hardware feature before shutting down the External Hard Drive or disconnecting the USB cable and power cable.

1MB=1,000,000bytes / 1GB=1,000,000,000bytes / 1TB=1,000,000,000,000bytes

Actual accessible capacity may vary from advertised capacity due to formatting and partitioning of the hard drive, as well as due to your computer's operating system.

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Introduction

The Portable Series External Hard Drive is a high-performance external hard drive that supports USB 2.0 and USB 3.0 *. Unlike conventional desktop disk drives, the Portable Series External Hard Drive makes it possible for you to instantaneously add greater storage capacity to your system without having to take the computer apart.

This means that your Portable Series External Hard Drive comes fully partitioned and formatted for your use and you can instantly access to the drive by simply plugging it into your computer through a USB port.

The Portable Series comes with Samsung Drive Manager which is a Windows-based integrated-management software that allows the convenient use of External Hard Drives.
Samsung Drive Manager supports various functions including auto backup, file / folder security, drive lock, drive diagnostic, partition setup, and power settings.

* S2 Portable : USB 2.0
  S2 Portable 3.0 : USB 3.0
  M3 Portable : USB 3.0

Specifications (S2 Portable)

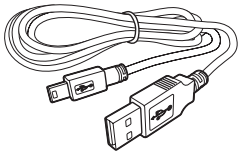
Category	S2 Portable	
Interface	High Speed USB	
Transfer Rate	480 Mbps Max.	
	USB Host Power	
Operating System	Windows XP / Vista / 7	
	Mac OS X 10.4.8 or Later	
Hard Disk Capacity	160GB / 250GB / 320GB / 500GB / 640GB	750GB / 1TB
Dimensions (W x H x L)	(82mm x 15.6mm x 111mm)	(82mm x 15.6mm x 111mm)
Color	Piano Black, Snow White, Wine Red, Chocolate Brown, Sweet Pink, Ocean Blue, Metal Gray, Champagne Gold	
Format System	NTFS	

System Requirements

- PC : Windows XP / Vista / 7
- Macintosh : Mac OS X 10.4.8 or Later
- Upgrade your operating system to the latest version to enjoy better performance and reliability.

Components

S2 Portable

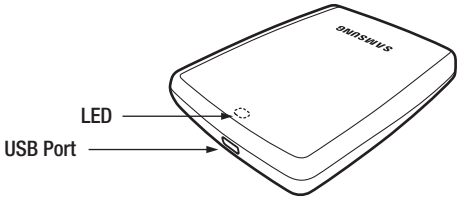

USB 2.0-Cable

Quick Start Guide

Pouch

※ When you purchase a S2 Portable External Hard Drive, make sure that all components have been included in your product package.

Overview



■ LED Description
1) Standby Status : Steadily lit LED
2) Read / Write in Progress : Blinking LED

› Some computers supply limited USB bus power. If your drive doesn't power on after connecting the USB cable, you may need to purchase a USB Y-cable from retailers or online shops.

Specifications (S2 Portable 3.0 and M3 Portable)

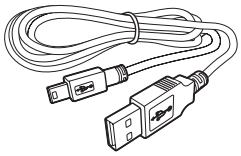
Category	S2 Portable 3.0	M3 Portable
Interface	Super Speed USB	
Transfer Rate	4.8 Gbps Max.	
	USB Host Power	
Operating System	Windows XP / Vista / 7	
	Mac OS X 10.4.8 or Later	
Hard Disk Capacity	500GB / 640GB / 750GB / 1TB	
Dimensions (W x H x L)	(82mm x 15.6mm x 111mm)	(81.9mm x 17.6mm x 110.6mm)
Color	Black	
Format System	NTFS	

System Requirements

- PC : Windows XP / Vista / 7
- Macintosh : Mac OS X 10.4.8 or Later
  Upgrade your operating system to the latest version to enjoy better performance and reliability.

Components

S2 Portable 3.0 or M3 Portable

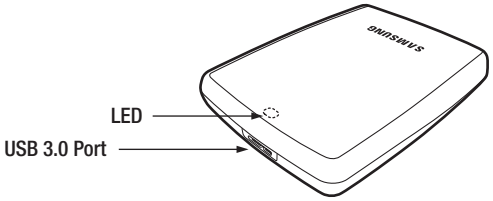

USB 3.0 Micro-B Cable

Quick Start Guide

Pouch
(not included with M3 Portable)

※ When you purchase a Portable Series External Hard Drive, make sure that all components have been included in your product package.

Overview



■ LED Description
1) Standby Status : Steadily lit LED
2) Read / Write in Progress : Blinking LED

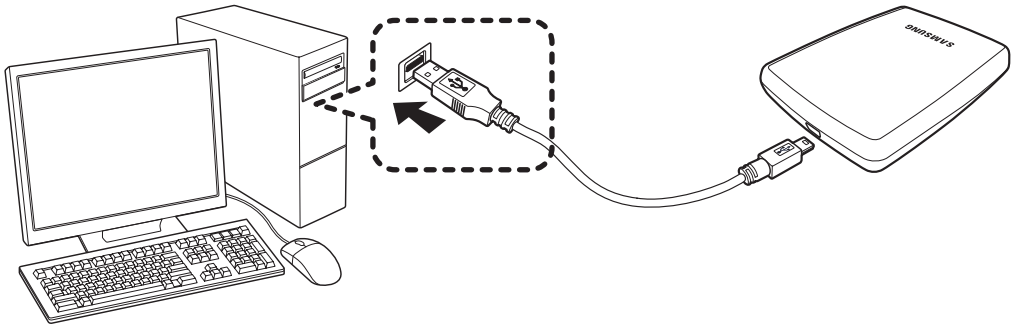
› To use the S2 Portable 3.0 or M3 Portable at its Maximum speed, you need a PC or a Host Card that supports USB 3.0 interface.

Connecting your S2 Portable

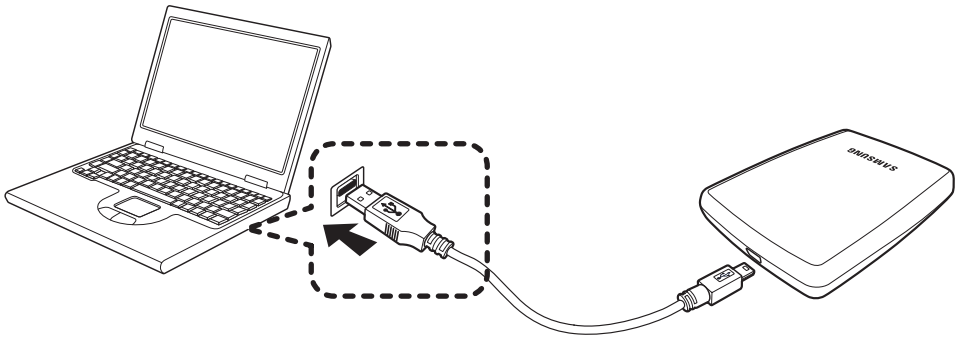
Installation

Verify that the computer meets the minimum system requirements as outlined in System Requirements.
Insert the USB cable to the desktop/laptop computer as shown in Figures 1 and 2:

- Figure 1. **Connecting to a Desktop Computer**



- Figure 2. **Connecting to a Laptop Computer**



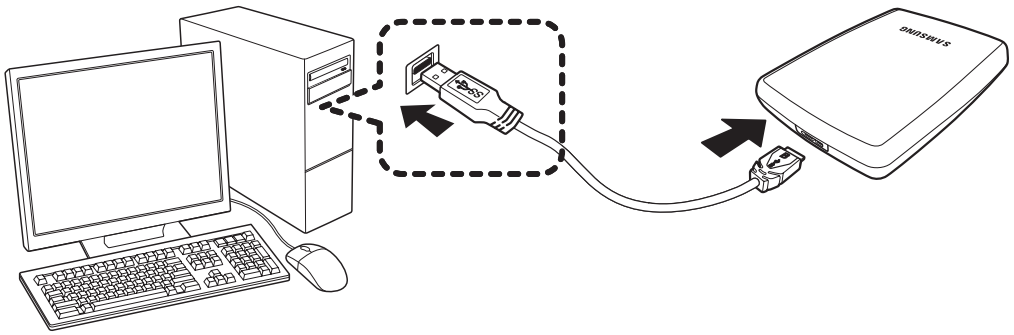
> Your S2 Portable Series External Hard Drive will automatically activate once connected to the computer.

Connecting your S2 Portable 3.0 or M3 Portable

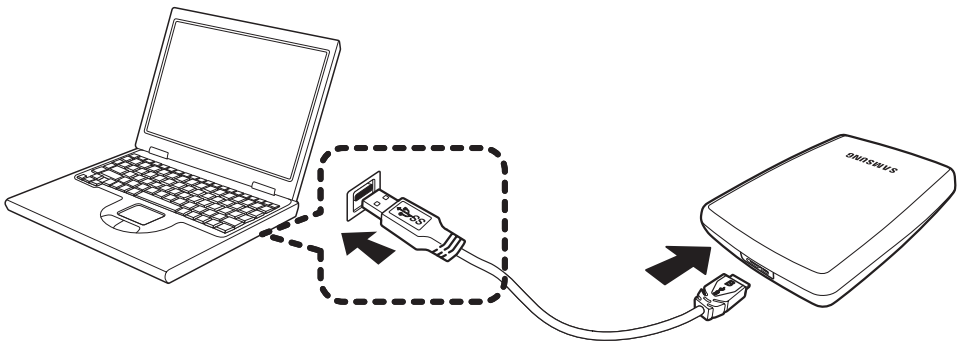
Installation

Verify that the computer meets the minimum system requirements as outlined in System Requirements. Insert the USB cable to the desktop/laptop computer as shown in Figures 3 and 4:

- Figure 3. **Connecting to a Desktop Computer**



- Figure 4. **Connecting to a Laptop Computer**



> To use the S2 Portable 3.0 or M3 Portable model at its maximum speed, you need a PC or a Host Card that supports USB 3.0 interface.

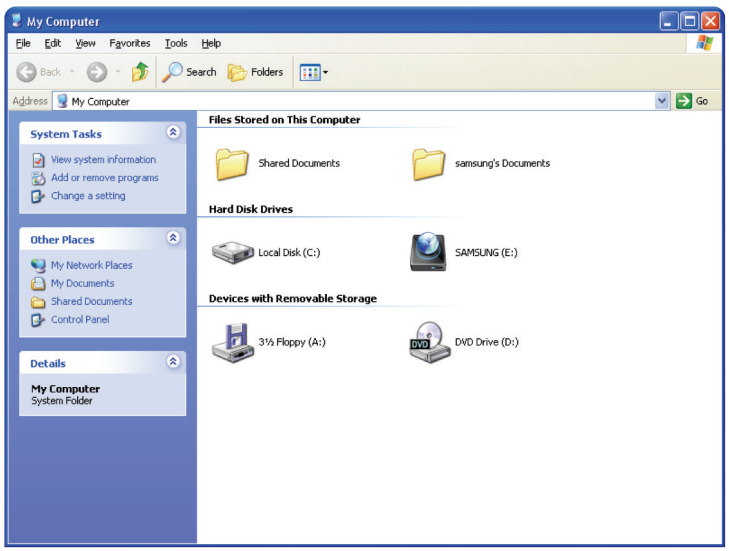
Windows

When you connect the Portable Series External Hard Drive to the computer a small icon will appear in the system tray at the lower right corner of the screen.

- Figure 5. **System Tray indicating an external device**

The operating system will recognize and display "Samsung" drive under "My Computer."

- Figure 6. **In the Windows Explorer, you will see a new Samsung drive**

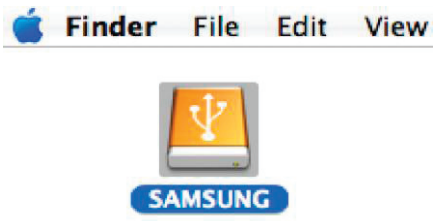


You are now ready to use the Samsung Portable Series External Hard Drive.

Macintosh

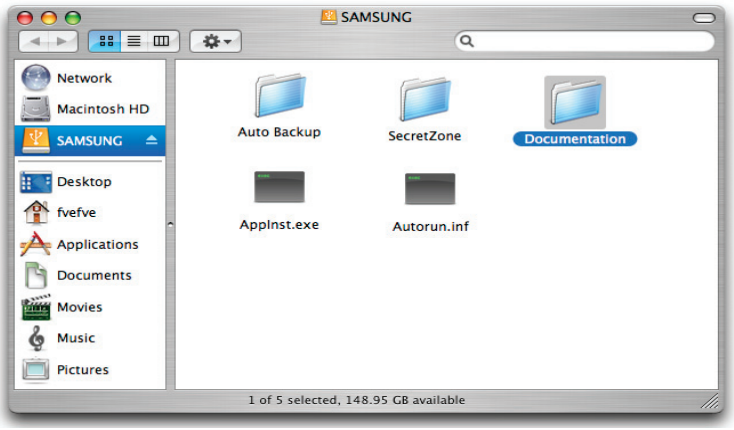
Connect your Portable Series External Hard Drive to the computer. Your Macintosh operating system will then generate a SAMSUNG drive icon.

- Figure 7. **Macintosh External Hard Drive connection icon**



After clicking the SAMSUNG icon, the following folder will appear.

- Figure 8. **Macintosh Folders**



You are now ready to use the Samsung Portable Series External Hard Drive.
(Software included with your Portable Series External Hard Drive does not support the Mac operating environment.)

Samsung provides Samsung NTFS 3G driver which can be used to write data on NTFS-format External Hard Drives on Mac OS. Samsung NTFS 3G driver can be downloaded from the Samsung website. (samsunghdd.seagate.com)

Using your Portable Series

Copying / Moving Files

Now that you have successfully installed your new Portable Series External Hard Drive, you can copy or move files or whole folders from your new Portable Series to your computer and vice-versa.

It is important to understand the difference between Copy and Move.
Copy : is to make a duplicate folder or file and store it so that you have two copies.
Move : is to take a folder or file from one location and put it into another.

WHEN YOU MOVE A FOLDER OR FILE, YOU NO LONGER HAVE A BACKUP COPY.

Copy and paste files from the computer to the Portable Series External Hard Drive (Removable Disk Method).

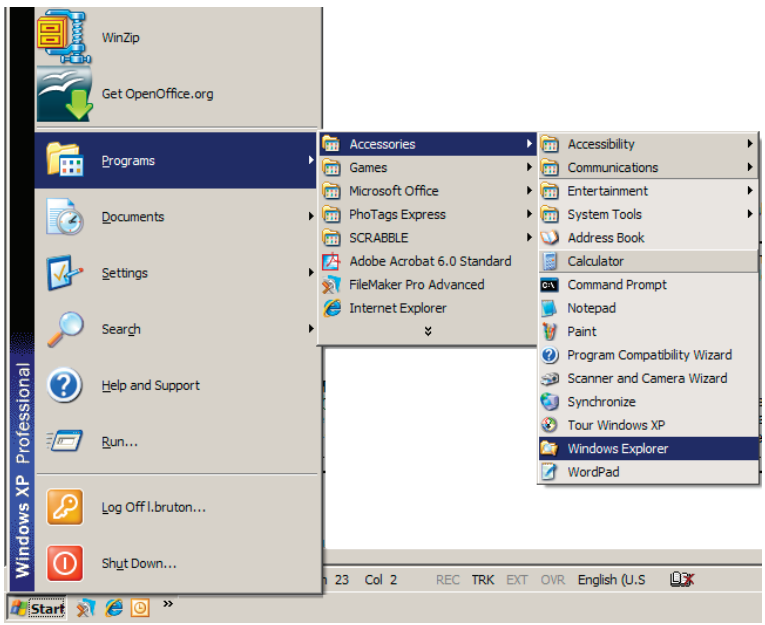
Copying / Moving Files

For the purposes of this manual, we will make a copy of the Temp folder on the C drive of your computer and copy it to the Portable Series External Hard Drive.

From the Windows Desktop click:

Start → Programs → Accessories → Windows Explorer

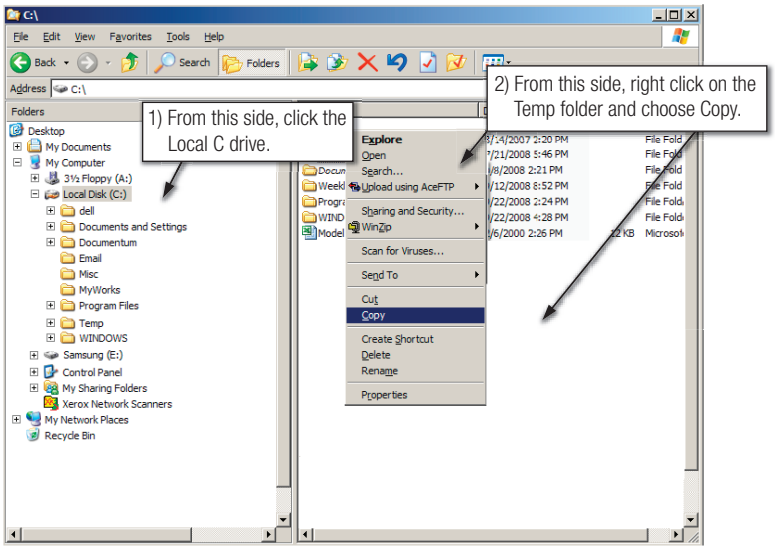
- Figure 9. **Getting to the Windows Explorer**



From the Windows Explorer, you will see various drive letters; A, C, your C drive is your local Hard Drive.
The Portable Series will most likely be the E drive however, it could be any drive letter. For the purposes of this manual, we will assume that the Portable Series is the E drive. As well, for practice copying folders and files, we will copy the Temp folder onto the Portable Series.

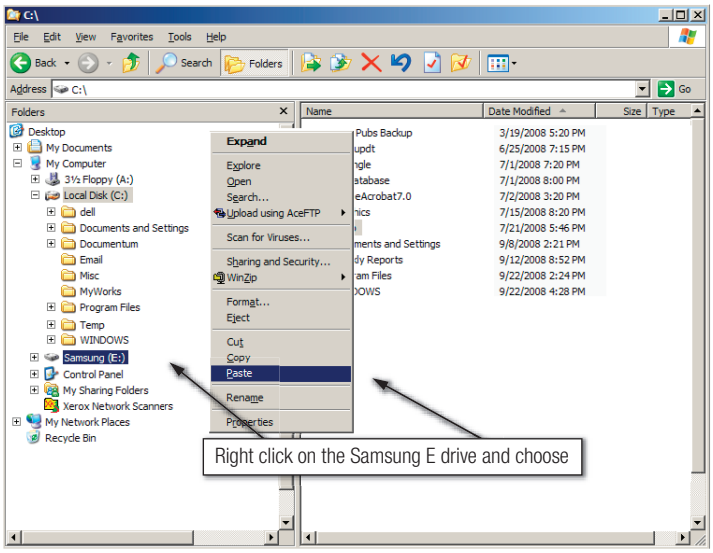
From the Windows Explorer screen:
Click Local Disk C
From the right-hand pane:
Right-click the Temp folder → Click Copy

- Figure 10. **When you Right-Click on a file or folder, you get another menu.**



Now, we will copy the Temp folder from the Local C drive, to the Samsung E drive. From the left pane in the Windows Explorer : Right Click Samsung E → Click Paste

- Figure 11. **Using a Right-Click again, we can paste the Temp file onto the Portable Series drive**



NOTE : Detaching the USB cable while file transfer is in progress can damage your computer and/or Portable Series External Hard Drive. If you need to disconnect the USB cable, wait for the transfer process to complete first and then disconnect using the "Safely Remove Hardware" option.

Safely Removing your Portable Series

For Windows

Right-click the arrow icon from the system tray at the lower right corner of your screen.

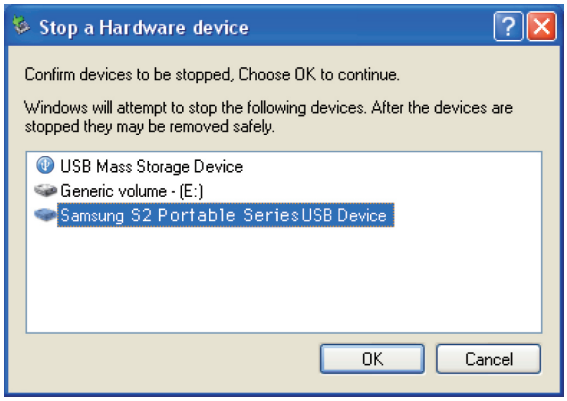
- Figure 12. **The taskbar is located at the bottom-right of the screen.**

Click "Safely Remove Hardware."

- Figure 13. **The 'Safely Remove Hardware' prompt will list every device that is attached to your system.**

Click "Samsung Portable Series USB device".

- Figure 14. **This prompt will list all of the Mass Storage Devices like your Local Hard drive and your Portable Series Hard drive.**



When you see the "Safely Remove Hardware" message, you may safely remove the device from the system.

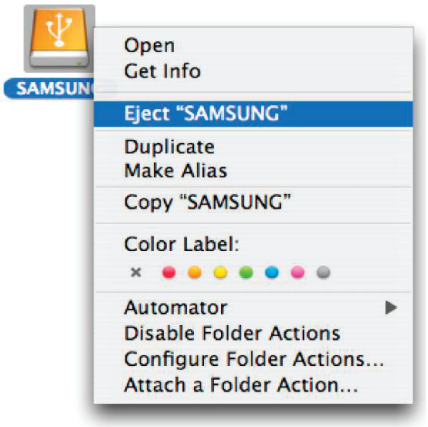
Use the Safely Remove button of Samsung Drive Manager to safely remove your external hard drive.

[Safely Remove button]

For Macintosh

Click the external hard drive icon and select "Eject "SAMSUNG.""

● Figure 15. **For the Macintosh click the USB icon and choose Eject "SAMSUNG"**



This safely disconnects the drive. It is now safe to detach the drive from the computer.

Do not Disconnect the Portable Series External Hard Drive's USB cable from the computer while file transfer is in progress. Interrupting the file transfer could lead to data corruption and/or damage to your Portable Series External Hard Drive.

Portable Series Software

Samsung Drive Manager Software

Samsung Drive Manager is bundled software for Windows provided for the convenient use of your External Hard Drive. Samsung Drive Manager comprises Samsung AutoBackup (a personal backup solution), Samsung SecretZone™ (a personal data protection solution), Samsung Secure Manager (a secure external hard disk management solution) and Samsung External Hard Drive management tools.

Samsung Drive Manager must be installed on a computer that is connected to your Portable Series to operate.

For further details, refer to the user manual provided with your Portable Series.

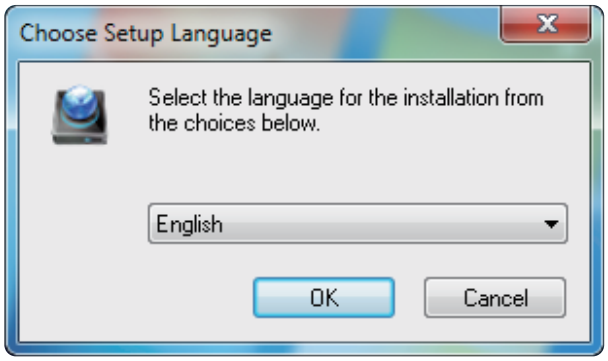
Samsung Secure Manager cannot be used if your hard disk does not support the security function.

Samsung Drive Manager Installation

1. When your PC and Samsung External Hard Drive are connected, the Samsung Drive Manager installation screen is automatically displayed.

The installation screen is not automatically displayed on Windows Vista or Windows 7; you will need to manually run Samsung Drive Manager.exe on your Samsung External Hard Drive.

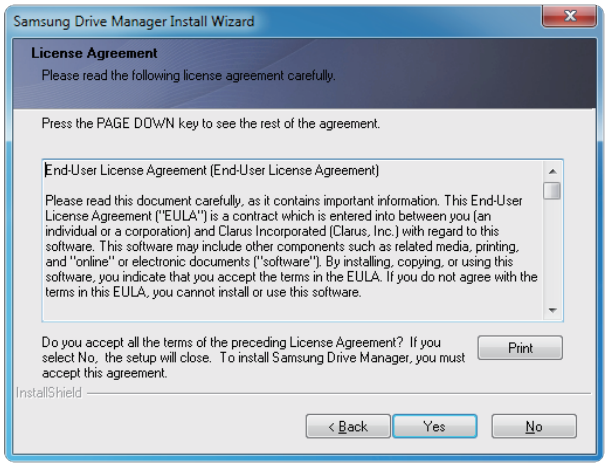
2. Select Run Samsung Drive Manager on the installation screen, and click [OK]



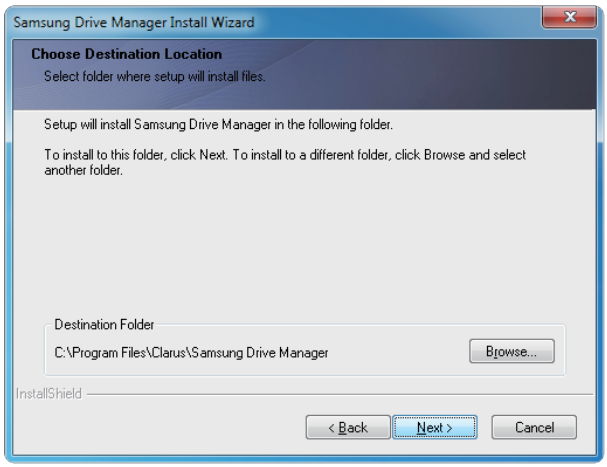
3. Select a language to perform the installation in

4. Once the preparation process is complete, InstallShield Wizards' greeting dialog will display.

5. Click "Next".

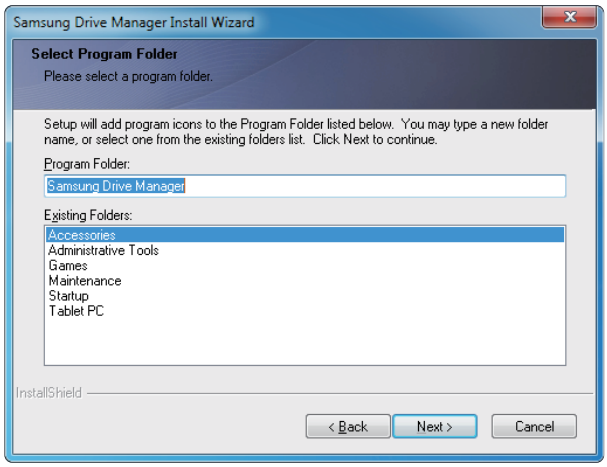


6. The dialog will display the end user license agreement. Carefully read the agreement. Select "Yes".

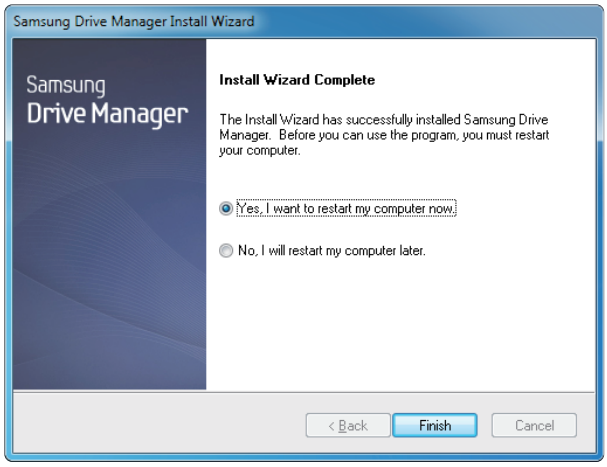


7. The installation folder selection screen is displayed for Samsung Drive Manager.

8. Set the installation folder and click "Next"



9. On the program folder selection screen, set the program folder in which to register Samsung Drive Manager icons and click "Next".



10. Your computer can be restarted after the program is installed.

11. Confirm system restart (if desired) and click "Done".

Restart your computer when prompted to ensure normal execution of Samsung Drive Manager.

Using Samsung Drive Manager

Select Start (from the Windows start menu) → All Programs → Samsung → Samsung Drive Manager → Samsung Drive Manager.

The window shown below is displayed when the program is executed.

[Samsung Drive Manager Screen]

The main window of Samsung Drive Manager includes drive information, the Safely Remove Hardware button, Unlock Secure Hard Disk button, program execution button and tool buttons.

[Safely Remove button]

Click Safely Remove Hardware to safely remove your hard disk.

Some models do not support this function. Then the unlock button appears in dimmed color.

When backup sources are regularly backed up using Samsung AutoBackup, they are fully backed up only during the initial backup, and real-time backup (monitoring of backup data for auto-backup of changed data only) is performed subsequently for your convenience.

Samsung SecretZone™ is a personal information protection solution that lets you create and use an encrypted disk on your Samsung External Hard Drive.
By using Samsung SecretZone™, you can safely and conveniently protect important, confidential and personal data.

This function is not compatible with External Hard Drive that do not support power settings.

Refer to the Samsung Drive Manager User Manual provided with the product for further details.
Samsung Drive Manager User Manual can also be downloaded from the Samsung website.

Troubleshooting

- Check the USB cable connection.
- Check the LED light on the External Hard Drive.
- Check the power supply to Portable Series External Hard Drive.
  - Ticking noise is an indication of insufficient power.
- If the drive is not being recognized, try plugging it into a different USB port.

FAQ

Q1. File transfer takes too long.

A1. - USB 2.0

You will experience slow file transfer speeds if your computer does not support USB 2.0 or if you do not connect Portable Series External Hard Drive to a USB 2.0 port. Try connecting Portable Series External Hard Drive to a different port or, if your computer does not support USB 2.0, purchase a separate USB 2.0 port.

- USB 3.0

To use the the S2 Portable 3.0 or M3 Portable model at its Maximum speed, you need a PC or a Host Card that supports USB 3.0 interface and USB 3.0 Cable.

Q2. The actual storage capacity of Portable Series External Hard Drive is different than the capacity shown on the packaging.

A2. Type of file system used for the drive, partitioning arrangement, type of operating system, and various other factors can affect the actual storage capacity displayed by your computer.
(1MB=1,000,000bytes and 1GB=1,000,000,000bytes and 1TB=1,000,000,000,000bytes.)

Q3. I connected my Portable Series External Hard Drive, and the computer seems to recognize it, but the drive won't show up under Windows Explorer.

A3. The Portable Series External Hard Drive is by default formatted to NTFS and will work normally when you connect it to your computer. However, if the partition has been erased or the file system has been changed to a one that's not recognized by Windows, the drive will not appear under Windows Explorer. Try formatting the drive to FAT32 or NTFS. (Caution : Formatting will erase all data stored in the drive.)

Q4. I am using Windows XP and cannot format the drive to FAT32.

A4. Windows operating systems that followed Windows NT have limited FAT32 formatting to 32GB.
Therefore, if you wish to format your Portable Series External Hard Drive to FAT32, you will need to download a format utility from our website.
(Caution : Formatting will erase all data stored in the drive. We recommend that you back up your data before proceeding.)

Q5. My computer will not boot up properly.

A5. If you boot up your system with S2 Portable Series External Hard Drive connected to the computer, it's possible that your system's BIOS is attempting to boot from the External Hard Drive.
Change the BIOS booting sequence or disconnect the External Hard Drive from the system and then try booting again.

Q6. I am using a Mac, and I can't copy files.

A6. If the drive has been formatted to NTFS, data stored in the drive can only be read by Mac systems.
To use the drive on Mac OS X operating systems, use Samsung NTFS 3G Driver or reformat your drive.

Samsung NTFS 3G driver : Refer to the 12 page
Reformat : Refer to the 23 page

Appendix

WARNING – PARTITIONING AND FORMATTING YOUR DRIVE WILL PERMANENTLY ERASE ALL THE FILES ON THE DRIVE. DO NOT ATTEMPT TO DO THIS UNLESS ALL OF YOUR FILES HAVE BEEN BACKED UP AND CHECKED FOR RELIABILITY AND READABILITY.FAQ

Partitioning and Changing File System Type

It's possible to partition your Portable Series External Hard Drive and change the file system type.

- Reformat to FAT32
- Reformat to NTFS
- Reformat in Macintosh

Reformat to FAT32

- Re-format your external hard drive as FAT32 using Samsung Format Utility or Samsung Drive Manager.

Samsung Format Utility : log on to samsunghdd.seagate.com
Samsung Drive Manager : Refer to page 17.

Reformat to NTFS

Following describes formatting to NTFS in Windows XP:

- Connect the Portable Series External Hard Drive to the computer.
- Click "Start" from the lower left corner of your screen.
- Right-click "My Computer" and then select "Manage."
- From the "Computer Management" tool, select "Disk Management."
- Right-click the drive you wish to format and then select "Delete Partition."
- Once drive partition has been deleted, right-click the drive you wish to format and then select "New Partition" as shown in the diagram below.
- From Create Partition Wizard, select "Primary Partition" and then enter the desired size of the partition.
- From the "File System" menu, select "NTFS" and format.

Format in Macintosh

Following describes formatting in Mac OS X:

- Launch Mac OS X's "Disk Utility" tool.
- Open the main drive folder from the desktop. Open the "Applications" folder and then the "Utilities" folder.
- Select the "Disk Utility" file.
- Select the drive you wish to reformat.
- Select the "Erase" menu.
- Select "Mac OS Extended (Journaled)" from "Volume Format" menu and then Click "Erase" button
- Once formatting is complete, the drive will appear on your desktop.

Product Certifications

CE (European Union/Community)

FCC (Federal Communications Commission)

C-TICK

BSMI (Bureau of Standards, Metrology and Inspection)

NRTL

CB

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

FCC

	CAUTION : Changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.
Class B	**Note :** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications, However, there is no guar antee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: - Reorient or relocate the receiving antenna. - Increase the separation between the equipment and receiver. - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. - Consult the dealer or an experienced radio/TV technician for help.

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Seagate Technology LLC, 10200 S. De Anza Blvd, Cupertino, CA 95014 U.S.A.
Seagate Technology International, Koolhovenlaan 1, 1119 NB Schiphol-Rijk, The Netherlands