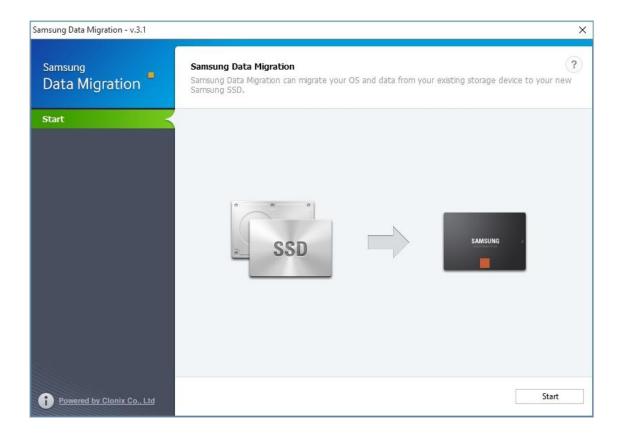
## Samsung SSD Data Migration v.3.1

## User Manual



#### Legal Disclaimer

SAMSUNG ELECTRONICS RESERVES THE RIGHT TO CHANGE PRODUCTS, INFORMATION AND SPECIFICATIONS WITHOUT NOTICE.

Products and specifications discussed herein are for reference purposes only.

All information discussed herein is provided on an "AS IS" basis, without warranties of any kind.

This document and all information discussed herein remain the sole and exclusive property of Samsung Electronics. No license of any patent, copyright, mask work, trademark or any other intellectual property right is granted by one party to the other party under this document, by implication, estoppels or otherwise.

Samsung products are not intended for use in life support, critical care, medical, safety equipment, or similar applications where product failure could result in loss of life or personal or physical harm, or any military or defense application, or any governmental procurement to which special terms or provisions may apply. For updates or additional information about Samsung products, contact your nearest Samsung office.

#### Copyright © 2018

This material is copyrighted by Samsung Electronics.

Any unauthorized reproductions, use or disclosure of this material, or any part thereof, is strictly prohibited and is a violation under copyright law.

#### **Trademarks & Service Marks**

The Samsung Logo is the trademark of Samsung Electronics.

All other company and product names may be trademarks of the respective companies with which they are associated.



#### Introduction

The Samsung Data Migration software is designed to help users quickly, easily, and safely migrate all of their data – including their current operating system, application software, and user data – from their existing storage device (e.g. HDD) to their new Samsung SSD.

Samsung Data Migration software is developed and distributed exclusively for owners of Samsung Solid State Drives (SSDs).

#### **Precautions**

- 1. When cloning the content of the source drive (e.g. HDD), all data on the Target Disk (Samsung SSD) will be deleted and is impossible to recover. Therefore, if you have stored any data that you would like to keep on the Target Disk, please back it up in advance.
  - \* This software is not a data backup solution.
- 2. Samsung Electronics assumes no responsibility for any loss of data that may occur on the Target Disk in the course of using this software and will not be held liable for data recovery services. Even if the migration process fails, data contained on the Source Disk is not affected.
- 3. Before cloning the Source Disk to the Target Disk (Samsung NVMe SSD) using this software, make sure that you install the Samsung NVMe Driver first.

#### Improvements

- 1. Support for new models
- 2. Improvements to the cloning compatibility



### System Requirements

Component	Requirement
	Windows XP SP2 (32bit)
	Windows Vista (32/64bit)
	Windows 7 (32/64bit)
Operating System	Windows 8 (32/64bit)
	Windows 8.1 (32/64bit)
	Windows 10 (32/64bit)
PC Memory (RAM)	1 GB or more
Disk Space	30 MB required for installation
Supported Partition Types	MBR, GPT
Source Disk	The Source Disk (HDD or SSD) must contain the operating system installation
	The Target Disk must be one of the following:
	Samsung SSD 970 PRO Series
	Samsung SSD 970 EVO Series
	Samsung SSD 960 PRO Series
	Samsung SSD 960 EVO Series
	Samsung SSD 750 EVO Series
	Samsung SSD 950 PRO Series
Target Disk	Samsung SSD 850 EVO Series
	Samsung SSD 850 PRO Series
	Samsung SSD 840 EVO Series
	Samsung SSD 840 Series
	Samsung SSD 840 PRO Series
	Samsung SSD 830 Series
	Samsung SSD 750 EVO Series
	Samsung SSD 470 Series



#### Limitations

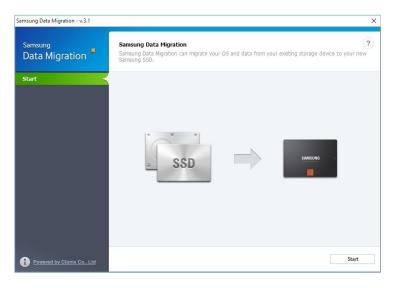
- 1. This software only supports the Windows operating systems listed in the User Manual.
- This software only supports the Samsung SSDs listed in the User Manual.
   OEM storage devices provided through a computer manufacturer or supplied through another channel are not supported.
- 3. This software will run only if the operating system is installed on the Source Disk. It will not function on disks that lack an operating system installation.
- 4. On systems with two (2) drives or more (e.g. "C:", "D:", and "E:" drives) with the operating system installed on the "C:" drive, only the first two drives will be cloned. The "System" partition that is created during Windows installation is automatically replicated.
- 5. The OEM Recovery partition created by the computer manufacturer as a factory setting will not be cloned. However, it will be automatically cloned if the manufacturer is Samsung and SRS (Samsung Recovery Solution) 5, SRS 6, or SRS 7 is installed. (Versions lower than SRS 5 are not supported.)
- 6. A difference of a few GB of data capacity between the Source and Target Disks is normal after cloning. The software does not copy the files Windows automatically generates to manage virtual memory (page files and hibernation files).
- 7. This software cannot clone encrypted disks. In order to clone an encrypted disk, you must first remove the password from the disk.
- 8. If the mainboard chipset drivers are not up to date when cloning, this software may not function properly.
- 9. If there are multiple operating systems installed on the PC (e.g. Windows 7 is installed on the C drive and Windows 8 is installed on the D drive), the cloned disk may not function properly.
- 10. If the Source Disk is damaged (e.g. the disk has bad sectors), the cloned disk may not function properly.
- 11. When attempting to clone a disk using this software, it is recommended that you close all other programs and free up sufficient memory before cloning.
- 12. If you have instant PC recovery software installed on your system, this software may not function properly.
- 13. If a Source Disk is converted into a dynamic disk, the software may not function properly.
- 14. The files in the user's Library folder are listed by default on the screen for selecting files to exclude during cloning.
- 15. To exclude files that are not in the Library folder, you can search for them by scanning folders. Program Files, Windows files, and Recycle Bin files are not scanned.

16. Please note if you use a Samsung NVMe SSD as the Target Disk without installing the Samsung NVMe Driver, this software may not function properly.

#### **User Guide**

#### 1. (Normal Mode) If the Source Disk is smaller than the Target Disk

#### STEP 1. Start migration



#### STEP 2. Connect Target Disk

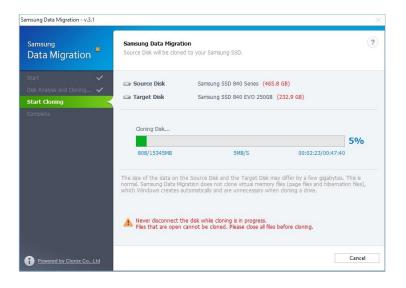
Samsung Data Migration - v.3.1	X
Samsung Data Migration	Samsung Data Migration (?) Verfy Source Disk and Samsung SSD.
Start 🗸	Source Disk Samsung SSD 840 Series (465.8 GB)
Start Cloning Complete	Disk0 C: 465.86 12.0 / 465.26
	2 Target Disk
	• Please connect a Samsung SSD.
Powered by Clonix Co., Ltd	<< Prev Start Cancel

- ① If the Target Disk is connected, the status of the Target Disk is displayed on the screen.
  - \* You may need a separate M.2 PCIe/USB converter (connector) to connect an NVMe SSD.

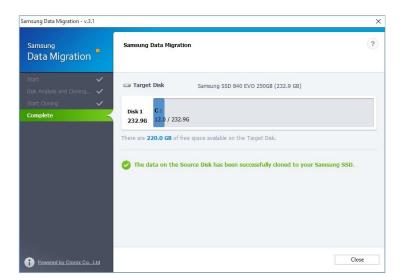
#### STEP 3. Start cloning

Samsung Data Migration	Samsung Data Migration Verify Source Disk and Sam	
Start. ✓ Disk Analysis and Clo ✓ Start: Cloning Complete	<ul> <li>Source Disk</li> <li>Disk 0</li> <li>C: 465.86</li> <li>12.0 / 465.26</li> </ul>	Samsung SSD 840 Series (465.8 GB)
	<ul> <li>2 Target Disk</li> <li>Disk 1</li> <li>C:</li> <li>232.96</li> <li>12.0 / 232.96</li> </ul>	Samsung SSD 840 EVO 250GB (232.9 GB)
Powered by Clonix Co., Ltd		<< Prev Start Cancel

#### STEP 4. Cloning in progress



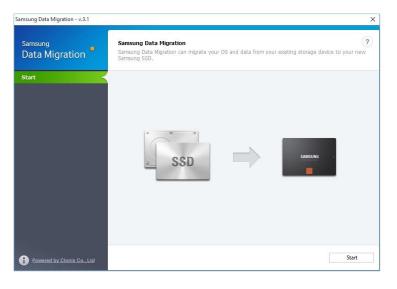
#### STEP 5. Cloning complete





#### 2. (Advanced Cloning) If the Source Disk is bigger than the Target Disk

#### STEP 1. Start migration



#### STEP 2. Connect Target Disk

Samsung Data Migration - v.3.1		×
Samsung Data Migration	Samsung Data Migration (? Verify Source Disk and Samsung SSD.	)
Start V Disk Analysis and Clo Start Cloning Complete	Source Disk Samsung SSD 840 Series (465.8 GB)      Disk 0      465.86      264.9 / 465.26	
	2 Target Disk	
Powered by Clonix Co., Ltd	<< Prev Start Cancel	

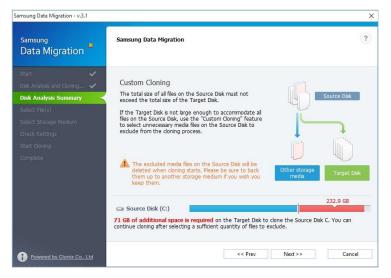
- ① If the Target Disk is connected, the status of the Target Disk is displayed on the screen.
  - \* You may need a separate M.2 PCIe/USB converter (connector) to connect an NVMe SSD.



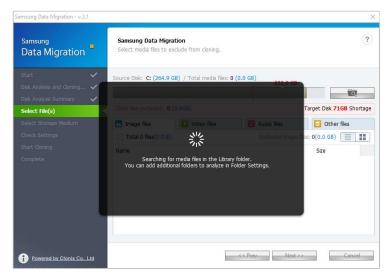
STEP 3. On the Disk Analysis and Cloning Settings screen, click [Next>>]

<sup>Samsung</sup> Data Migration <sup>■</sup>	Samsung Data Migration Verfy Source Dsk and Samsung SSD.	0
Start 🗸 🗸	Source Disk Samsung SSD 840 Series (465.8 GB)	
	Disk 0 C: 465.86 264.9 / 465.26	
	Target Disk Samsung SSD 840 EVO 25068 (232.9 68)	~+ C
	Target Disk         Samsung SSD 840 EVO 250GB (232.9 GB)           Disk 1         C:           232.9G         232.9 / 232.9G	·+ C
	Disk1 C: 232.96 232.9 / 232.96	
	Disk1 C:	e cloning

#### STEP 4. On the Disk Analysis Summary screen, click [Next>>]

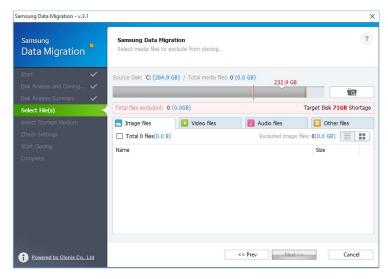


STEP 5. Scan for files in the Library folder to exclude from cloning





#### STEP 7. Click Browse button



STEP 8. Set a new folder to scan for files to exclude from cloning

Samsung Data Migration - v.3.1		×
Samsung Data Migration	Samsung Data Migration Set Folder(s) to Scan	×?
Star:   Disk Analysis and Cloning   Disk Analysis Summary  Select File(s)  Select Storage Medium  Check Settings  Star: Cloning  Complete	Scan selected folders  Concentrate  Concent	32,9 68 Target Disk 7168 Shortage s Other files d mage files: 0(0.0 6B)
Powered by Clonix Co., Ltd	<< Prev	Next >> Cancel

- ① Select "Scan selected folders" or "Scan all folders" and click [Search].
- Folder designation for scanning
  - Scan selected folders: Scan only the selected folders
  - Scan all folders: Scan all files on the disk

STEP 9. Scan for files to exclude from cloning in the newly set path

Samsung Data Migration - v.3.1		×
Samsung Data Migration	Samsung Data Migration Select media files to exclude from cloning.	(?)
Start 🗸 🗸 Start Visk Analysis and Cloning Visk Analysis Summary Visk Analysis Analysis Analysis Analysis Summary Visk Analysis Analysis Analysis Summary Visk Analysis Analysis Analysis Analysis Analysis Analysis Summary Visk Analysis Summary Visk Analysis Analy	Source Disk: C: (264.9 GB) / Total media files: 0 ((	
Select File(s)		Target Disk 71GB Shortage
Select Storage Medium		Audio files
Check Settings	Total 0 files(0.0 B)	Excluded mage files: 0(0.0 GB)
Start Cloning Complete	Name Searching for media files in the Library fi You can add additional folders to analyze in Fol	Size Older. Ger Settings.
Powered by Clonix Co., Ltd		<< Prev Next>>> Cancel

#### STEP 10. Select files to exclude from cloning

amsung Data Migration - v.3.1		
Samsung Data Migration	Samsung Data Migration Select media files to exclude from cloning.	?
Start. 🖌 🗸 Disk Analysis and Cloning 🗸	Source Disk: C: (264.9 GB) / Total media files: 1	000 (252.9 GB) 232.9 GB
Select File(s)	Total files excluded: 0 (0.0GB)	Target Disk 71GB Shortage
Select Storage Medium	🔁 Image files 🚺 Video files	Audio files Other files
	Total 250 files(500.0 MB)	Excluded image files: 0(0.0 GB)
	Name	Size
	IPG-cob T3-0.JPG           JPG-cob T3-1.JPG           JPG-cob T3-1.0.JPG           JPG-cob T3-1.00.JPG           JPG-cob T3-1.01.JPG           JPG-cob T3-1.02.JPG           JPG-cob T3-1.02.JPG           JPG-cob T3-1.03.JPG           JPG-cob T3-1.04.JPG           JPG-cob T3-1.05.JPG           JPG-cob T3-1.05.JPG           JPG-cob T3-1.05.JPG           JPG-cob T3-1.05.JPG	2.0 MB 2.0 MB
Powered by Clonix Co., Ltd		<< Prev Next>> Cancel

 Continue selecting files to exclude until the text below the Browse button changes to "Ready to clone to the Target Disk".



#### STEP 11. In the screen for selecting files to exclude, click [Next>>]

<sup>Samsung</sup> Data Migration <sup>■</sup>	Samsung Data Migration Select media files to exclude from cloning.			?
Start. 🗸 🗸	Source Disk: C: (264.9 GB) / Total media files: 1	.000 (252.9 GB) 232.9	GB	
		~	Í q	
Disk Analysis Summany 🗸 🗸	Total files excluded: 1000 (252.9GB)	R	eady to clone to the Target	Disk
Select Storage Medium	🛃 Image files 🚺 Video files	Audio files	Other files	
	Total 250 files(500.0 MB)	Excluded image	e files: 250(0.5 GB)	
	Name	8	Size	
	M 1PG-cob T3-0, 1PG		2.0 MB	1
	☑ JPG-cobT3-1.JPG		2.0 MB	
	☑ JPG-cobT3-10.JPG		2.0 MB	
	☑ JPG-cobT3-100.JPG		2.0 MB	
	☑ JPG-cobT3-101.JPG		2.0 MB	
	✓ JPG-cobT3-102.JPG		2.0 MB	
	☑ JPG-cobT3-103.JPG		2.0 MB	
	☑ JPG-cobT3-104.JPG		2.0 MB	
	☑ JPG-cobT3-105.JPG		2.0 MB	
	✓ JPG-cobT3-106.JPG		2.0 MB	

STEP 12. To clone everything except the selected file(s), go to Step 13.
 To delete the selected file(s) and clone everything else, go to Step 14.
 To save the selected file(s) to another storage device and continue cloning, go to Step 15.

STEP 13. Cloning everything except the selected files

	1	
<sub>Samsung</sub> Data Migration		Samsung Data Migration Select new drive to save selected media files.
Start Disk Analysis and Cloning	* *	Total files selected: 1000 (252.9 GB)
		Clone everything except the selected file(s)
Select File(s)	~	O Delete the selected file(s) and continue cloning
Select Storage Medium	<	Save the selected file(s) to another storage device and continue cloning
		Select a volume or device to which you want to save the selected media file(s).
		Select a volume or device to which you want to save the selected media he(s).
		Choose an storage media
		Warning: The media files in the selected source disk will be deleted during the cloning process. Please back them up on a separate storage medium.
Powered by Clonix Co.,		<< Prev Next >> Cancel

 Select the [Clone everything except the selected file(s)] option and then click the [Next>>] button.

STEP 14. Clone after deleting the selected files

msung Data Migration - v.3.1				
<sub>Samsung</sub> Data Migration	Samsung Data Migration Select new drive to save selected media files.			?
Start. 🗸 🗸 Disk Analysis and Cloning 🗸	Total files selected: 1000 (252.9 GB)			
	O Clone everything except the selected file(s)			
Select File(s)	Delete the selected file(s) and continue cloning			
Select Storage Medium	Save the selected file(s) to another storage dev	vice and con	itinue cloning	
	Select a volume or device to which you want to	save the se	elected media file(s).	
	Choose an storage media	×		
	Warning: The media files in the selected sou Please back them up on a separate storage r		be deleted during the	e cloning process.
		< Prev	Next >>	Cancel

 Select the [Delete the selected file(s) and continue cloning] option and then click the [Next>>] button.

STEP 15. Cloning after saving the selected files on another storage device

Samsung Data Migration - v.3.1				Х
Samsung Data Migration	Samsung Data Migration Select new drive to save selected media files.			?
Start • Disk Analysis and Cloning •	Total files selected: 1000 (252.9 GB)			
	Clone everything except the selected file(s)			
Select File(s)	O Delete the selected file(s) and continue clonin	ng		
Select Storage Medium	<ul> <li>Save the selected file(s) to another storage d</li> </ul>	evice and conti	nue cloning	
	Select a volume or device to which you want	to save the sele	scied media file(s).	
	(D:) [Local disk] 465.6 GB / 465.8 GB You can save the selected media file(s) to the	selected partit		space: 465.6 GB)
	A Warning: The media files in the selected so Please back them up on a separate storage		e deleted during the	cloning process.
Powered by Clonix Co., Lt		<< Prev	Next >>	Cancel
Powered by Cionix Co., Lt				

- ① Select the [Save the selected file(s) to another storage device and continue cloning] option.
- ② Select the storage device where you want to save the selected file(s).
- ③ Click the [Next>>] button.

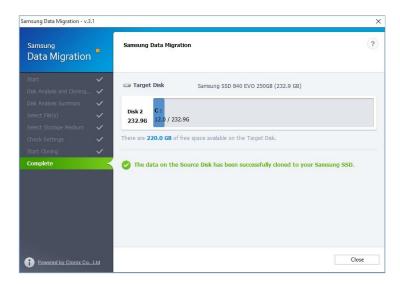
#### STEP 16. Start cloning

Samsung Data Migration - v.3.1				×
Samsung Data Migration	Samsung Data Migration Please review the total size of the files to be cloned.			(?)
Start:  Disk Analysis and Cioning  Disk Analysis Summary  Select: File(s)  Select: Storage Medium	<ol> <li>Source Disk</li> <li>Disk 0</li> <li>C: 465.8G</li> <li>12.0 / 465</li> </ol>	Samsung SSD 840 Series (465.8 G	8)	
Check Settings Start: Cloning Complete	<ul> <li>2 Target Disk</li> <li>Disk 2 C: 232.96 12.0 / 232</li> </ul>	Samsung SSD 840 EVO 250GB (2:	32.9 GB)	
Bowered by Clonix Co., Ltd		<< Prev	Start	Cancel

#### STEP 17. Cloning in progress

Samsung Data Migration		Samsung Data Migration Source Disk will be cloned to your Samsung SSD.			?
Start Disk Analysis and Cloning Disk Analysis Summary Select File(s)	* * * *	<ul> <li>Source Disk</li> <li>Target Disk</li> </ul>	Samsung SSD 840 Series (465 Samsung SSD 840 EVO 2506B		
Select Storage Medium Check Settings	~ ~ ~	Cloning Disk			5%
Start Cloning Complete		normal. Samsung Data Mir	5MB/S he Source Disk and the Target Disk n gration does not clone virtual memory utomatically and are unnecessary wh	r files (page files and hibernati	This is on files),
		<ul> <li>Never disconnect tl</li> </ul>	he disk while cloning is in progress. cannot be cloned. Please close all file		
Powered by Clonix Co. I	td				Cancel

#### STEP 18. Cloning complete





# End of Document

May 2018 www.samsung.com/ssd www.samsungssd.com Design and contents of this manual are subject to change without notice. ©2018 Samsung Electronics, Co., Ltd. All rights reserved.

