How to Use SP5000BackupRecovery

Introduction

Thank you very much for using our company's product.
Please be sure to read this file's information carefully to familiarize yourself with both the unit's correct operation procedures and its features.

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Summary

This is the tool for backup and recovery of CFast card/SD card.
The system can be duplicated by doing recovery after backup.

System Environment

- Windows® 7 (32/64bit)
- Windows® Embedded Standard 7 (SP5000 Series)
- Windows® 8 (32/64bit)
- Windows® 8.1 (32/64bit)
- Windows® 10 (32/64bit)

Requirements

- PC(for backup and recovery) or SP-5B40/SP-5B41 that fulfills the condition of "System Environment".
- CFast card/SD card that are supported by SP5000 Series.
- Card Reader for CFast card/SD card.

Restrictions

- In order to use this tool, Administrator authorization is required.
- Do not access the CFast card/SD card using the measure such as Explorer during backup and recovery.
- Can not use a SD card slot of notebook computer.
- Do not back CFast card of SP5000 Series up in the state of using Hibernation/HORM.
- Can not use any CFast card/SD card except SP5000 Series ones.

- When using with Windows® 10, the application may become no response for about 1 minute during drive search. Please do not operate until the application operates normally.

Note

Backup and recovery execute with the fixed size of our specification.
Drive that Windows recognizes is possible to display in the drive list even if it is not our CFast card/SD card, but do not use any CFast card/SD card except our ones, because it results in a damaged drive.

Please configure "Regional and Language Options" by only one language.
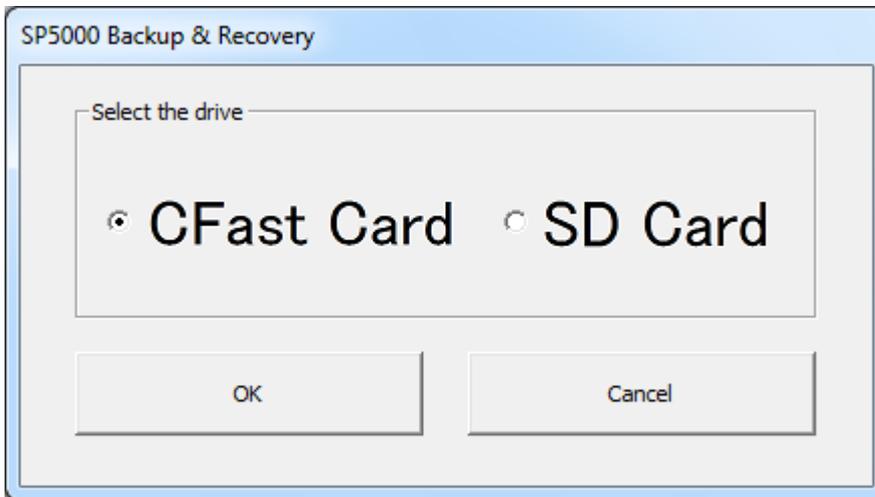*There is possibility that can not display as normal in the case of multiple language configuration.

Startup

Double-clicking on the SP5000BackupRecovery icon displays "Startup Window".
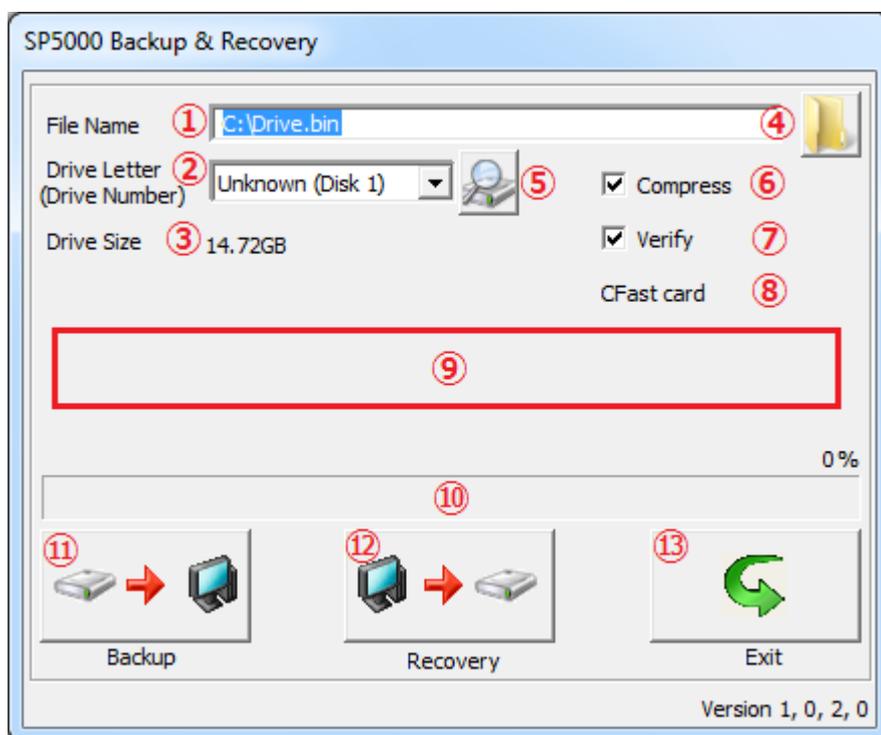Please select "CFast Card" or "SD Card".
*Next window is "Warning Window" when "CFast Card" is selected.
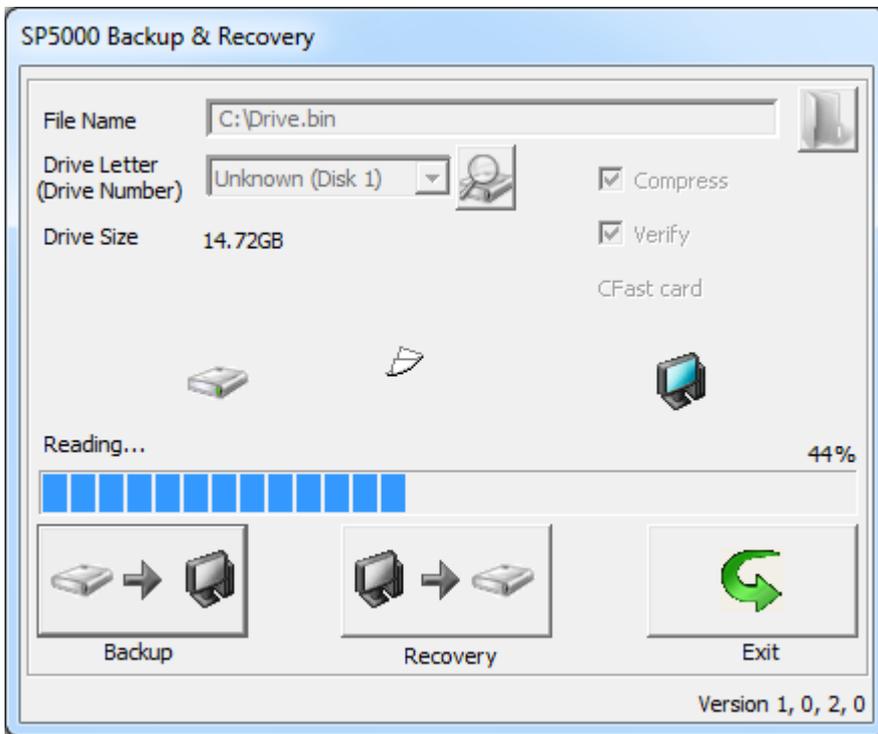

Startup Window
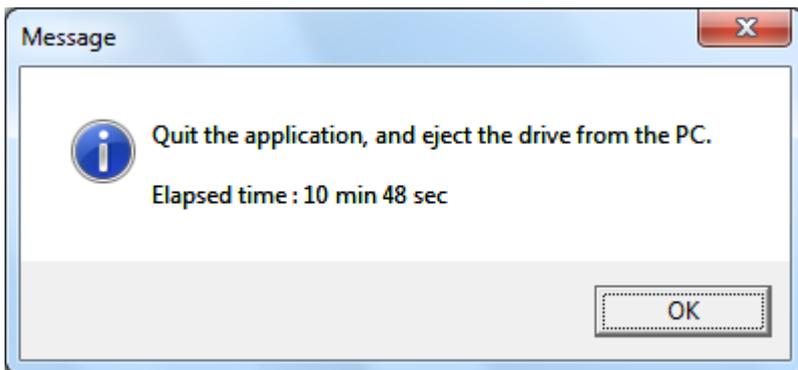

Warning Window

Main Window

Item List

No.	Item	Description
1	File Name	Enter the file name.
2	Drive Letter(Drive Number)	Select the drive.
3	Drive Size	Selected drive size is displayed.
4	Reference Button	File is referred.
5	Update Button	Drive information is updated.
6	Compress	Compress backup data.
7	Verify	Verify backup data and recovery data.
8	Drive Type	The type of selected drive is displayed.
9	Animation Display	Current work status is displayed with an animation.
10	Progress Bar	Current progress is displayed.
11	Backup	Backup of the drive is made.
12	Recovery	Recovery is performed to the drive.
13	Exit	Application is quitted.

Backup

SP5000 Backup & Recovery

File Name	C:\Drive.bin
Drive Letter (Drive Number)	Unknown (Disk 1)
Drive Size	14.72GB

☑ Compress
☑ Verify
CFast card

Reading...   44%

| Backup | Recovery | Exit |

Version 1, 0, 2, 0

Backup Window

Message

Quit the application, and eject the drive from the PC.

Elapsed time : 10 min 48 sec

OK

Backup Complete Window

Procedures

Step	Description
1	Insert drive into PC or SP-5B40/SP-5B41.
2	Start SP5000BackupRecovery up.
3	Select "CFast Card" or "SD Card".
4	Select a drive for backup from "Drive Letter".
5	Click "Reference Button" and select a file for backup. Can also drag and drop a file for overwrite into the window.
6	Select whether to enable "Compress" and "Verify" or not.
7	Execute backup.
8	When backup is completed, "Backup Complete Window" is displayed.

9	Quit the application, and eject the drive from the PC.
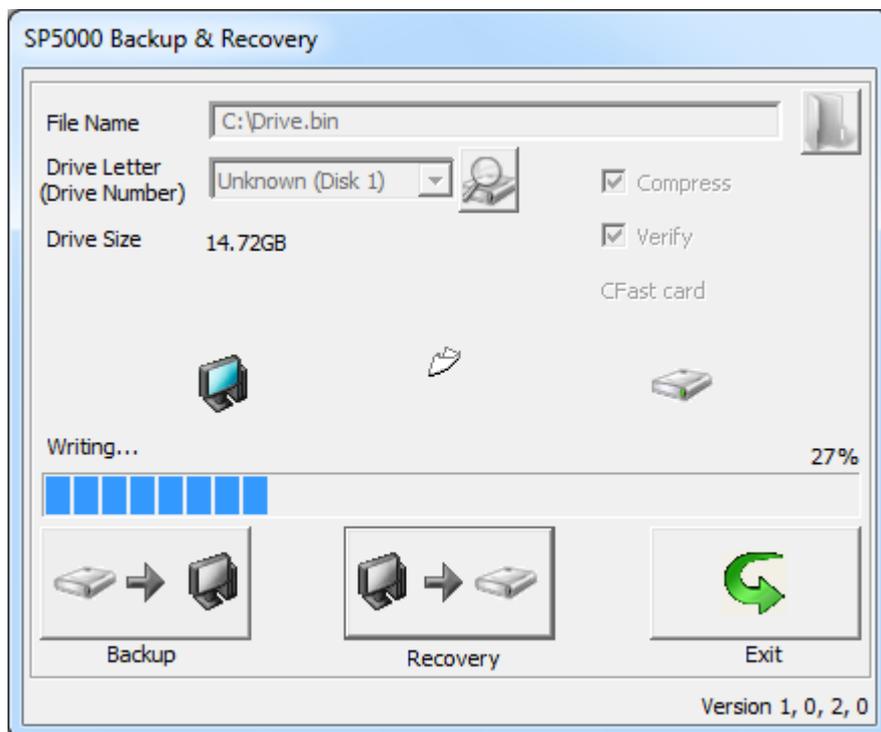
Recovery

Recovery Window
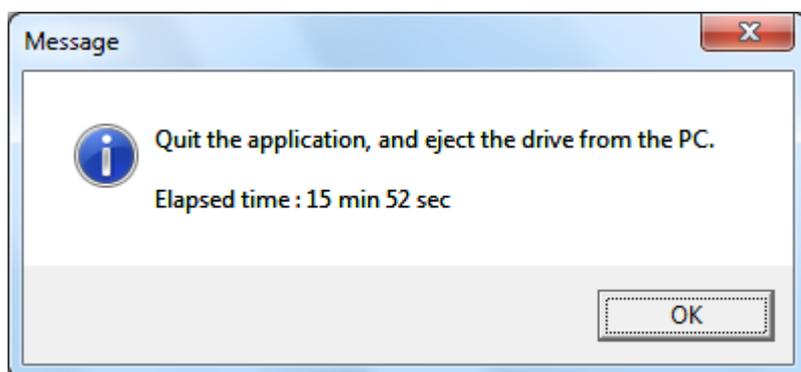
Recovery Complete Window

Procedures

Step	Description
1	Insert drive into PC or SP-5B40/SP-5B41.
2	Start SP5000BackupRecovery up.
3	Select "CFast Card" or "SD Card".
4	Select a drive for recovery from "Drive Letter".

5	Click "Reference Button" and select a file for recovery. Can also drag and drop a file for overwrite into the window.
6	Select whether to enable "Verify" or not. *"Compress" is not used.
7	Execute recovery.
8	When recovery is completed, "Recovery Complete Window" is displayed.
9	Quit the application, and eject the drive from the PC.

FAQ

FAQ

| No.	Item
Q1	How should I make the application recognize a drive if I insert a drive after it is started up?
Q2	What would happen if "Exit" was clicked during backup?
Q3	What would happen if "Exit" was clicked during recovery?
Q4	What should I do if I want to backup/recovery multiple times?
Q5	C Drive is not displayed.
Q6	Can I use CFast card/SD card except ones supported by SP5000 Series?
Q7	What should I do if an error occurs during backup or recovery?
Q8	Can I specify only file name?
Q9	What should I do if recovery fails?
Q10	Can I use a SD card slot of notebook computer?
Q11	What should I do if drive that is connected to PC or SP-5B40/SP-5B41 does not be recognized?
Q12	How long does it take to backup or recovery?

Q1.How should I make the application recognize a drive if I insert a drive after it is started up?

A1. Click "Update Button". Then, drive information will be updated.

Q2.What would happen if "Exit" was clicked during backup?
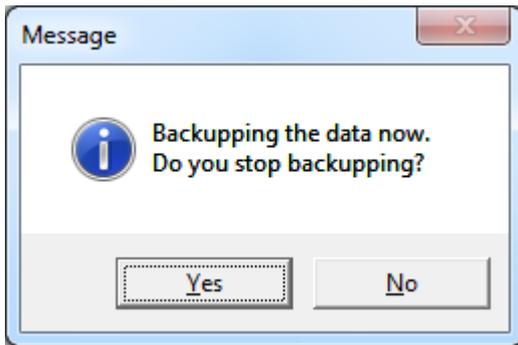
Confirmation Window for Backup Stop
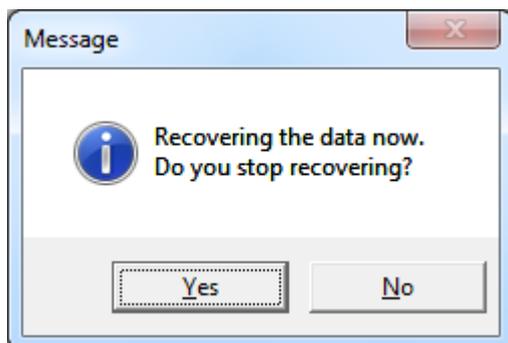
A2. "Confirmation Window for Backup Stop" is displayed.

When the backup is stopped, the temporary file that is being backed up is deleted.

Q3.What would happen if "Exit" was clicked during recovery?

Confirmation Window for Recovery Stop

A3. "Confirmation Window for Recovery Stop" is displayed.

If recovery is stopped, the drive does not operate as normal.

In order to operate it as normal, you need to complete recovery again.

Q4.What should I do if I want to backup/recovery multiple times?

A4. Insert a next drive and restart the application after backup or recovery is completed.

Q5.C drive is not displayed.

A5. C drive is not applicable to backup and recovery.

Current drive that SP5000BackupRecovery is started up is either.

Example: USB memory is not applicable if SP5000BackupRecovery is started up on this USB memory.

Q6.Can I use CFast card/SD card except ones supported by SP5000 Series?

A6. No, you can't.

You can only use our CFast card/SD card.

Q7.What should I do if an error occurs during backup or recovery?

A7. Quit SP5000BackupRecovery. Then, reinsert the drive and restart it.

If an error occurs again, the drive may be damaged.

In this case, change the drive.

Q8.Can I specify only file name?

A8. Can not specify only file name.

Please also specify a drive name.

Q9.What should I do if recovery fails?

A9. Causes that can be considered are as follows.

1. The drive is read only.

2. The drive is unallocated and is formatted as file system.

In the case of 1, change the state of drive to writable by a specified way.

In the case of 2, re-execute it from "Drive Letter" after allocate "Drive Letter" or delete volume.

Q10.Can I use a SD card slot of notebook computer?

A10. It depends on a notebook computer.

However, we do not guarantee to run on the environment.

Q11.What should I do if drive that is connected to PC or SP-5B40/SP-5B41 does not be recognized?
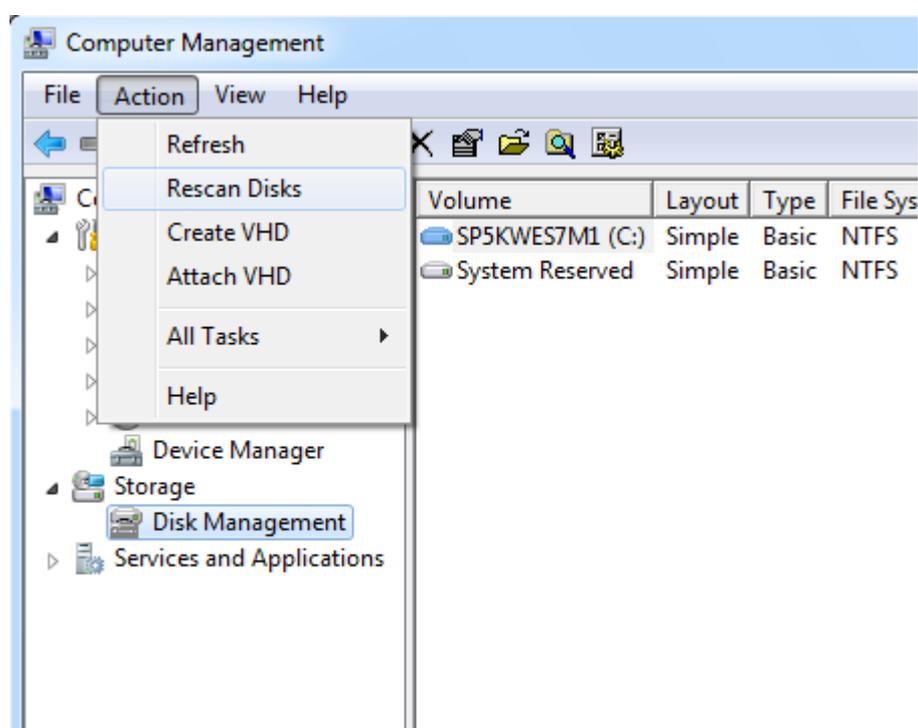
Computer Management Window

A11. It depends on a environment to take some time to recognize a drive.

Start "Computer Management" in Administrative Tools for Control Panel up, select "Disk Management", execute "Rescan Disks" in "Action" menu.

Q12.How long does it take to backup or recovery?

A12. It depends on a environment.

Environment

OS:Windows® 7 64bit

CPU:Intel® Core™ i5 2.5GHz

Memory:4GB

USB port interface:USB3.0

32GB CFast card(Approximate time)

Compress	Verify	Backup	Recovery
Enable	Enable	11min	16min
Enable	Disable	11min	12min
Disable	Enable	6min	16min
Disable	Disable	6min	12min

16GB CFast card(Approximate time)

Compress	Verify	Backup	Recovery
Enable	Enable	9min	18min
Enable	Disable	9min	14min
Disable	Enable	5min	18min
Disable	Disable	5min	14min

SD card(Approximate time)

Compress	Verify	Backup	Recovery
Enable	Enable	1min	3min
Enable	Disable	1min	2min
Disable	Enable	1min	3min
Disable	Disable	1min	2min

FAQ of Page