SSD2*go*
User Manual

Angelbird

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INTRODUCTION

Welcome to the User Manual for your **SSD**2*go*. With stunning real word transfer speeds of up to 460MB/s and 85000 IOPS it will change your mobile workflow.

The **SSD**2*go* is fully compliant with USB 3.0 and backwards compatible up to USB 1.1, making sure you can use it anywhere.

The **SSD**2*go* Twin features two SSD drives in one compact package.

Furthermore, The **SSD**2*go* Pro is additionally eSATA compatible, giving you full SATA3 6Gbit/s performance.

This manual will guide you through configuring and starting to use the **SSD**2*go*.

Your **SSD**2*go* comes out of the box ready to use. Follow the Quickstart instructions and you are ready to go.

Note:
You can get the up-to-date version of this manual at: www.angelbird.com/downloads

PACKAGE CONTENTS

SSD2*go*
1 × USB 3.0 cable

SSD2*go* Twin
2 × USB 3.0 cable

SSD2*go* Pro
1 × USB 3.0 cable
1 × eSATAp cable

Note:
Please keep the packaging. In the unlikely event that you have to return the product for servicing or repair it must be returned in the original packaging.

SYSTEM REQUIREMENTS

Your computer must meet certain requirements in order to have your **SSD**2*go* function correctly.

Minimum requirements

You need one free USB port.

To be able to use both drives of the **SSD**2*go* **Twin**, you need two USB ports.

To make use of the eSATA functionality of the **SSD**2*go* **Pro**, you need one free eSATA (for data transfer) and a USB port (for power).

Optimal performance

For optimal performance your computer must be equipped with USB 3.0 ports which support UASP. Consult your computer manual to see if your USB 3.0 ports support UASP.

For UASP you need at least Window 8, Windows 7 (with UASP drivers), Mac OS X 10.8 or later, or any recent Linux distribution to have the best performance.

For optimal performance with the **SSD**2*go* **Pro** you need an eSATA 6Gb/s port. Consult your computer manual to see if your eSATA ports support SATA 6Gb/s.

SUPPORT

For support visit the Angelbird Support website at www.angelbird.com/support, or check the Getting help section.

You can download an up-to-date version of this manual at www.angelbird.com/downloads.

Your **SSD**2*go* comes ready to use for Windows Vista, Windows 7, Windows 8, Windows Server 2008 and Mac OS X 10.6.5 and later.

If you are using Windows XP, Windows Server 2003 or Linux, you need to install the *exFAT* driver first. Follow the instructions in the Installation section. Once the driver is installed, follow the steps below.

1. Connect the **SSD**2*go* with the USB cable to your computer like in *fig. 1*.

2. The drive will mount and show up in your File Manager.

3. Before you unplug the **SSD**2*go*, you must first safely remove it from your operating system. See the section Safely removing the SSD2go for more information.

Failure to safely remove your **SSD**2*go* may result in data loss.

Note:
*If the **SSD**2go does not mount on your computer, check the Troubleshooting section for help.*

Warning!
*Failure to safely remove the **SSD**2go properly could result in data loss.*

fig. 1

SAFELY REMOVING THE SSD2*go*

Before you unplug the **SSD**2*go* you must first safely remove it, which means instructing your computer to finish and stop writing to the drive. If you do not do this, you could lose data.

In the case of the **SSD**2*go* **Twin**, you need to safely remove both drives.

SAFELY REMOVING IN WINDOWS

Windows 8, Windows 7 and Windows Vista

To unmount the **SSD**2*go*, single-click the eject button in the system tray.

As shown in ***fig. 2*** a list of devices which can be unmounted will appear. Click "Eject SSD2go".

You can safely unplug when the message from ***fig. 3*** appears.

Windows XP

To unmount the **SSD**2*go*, single-click the eject button in the system tray.

As shown in ***fig. 4*** a list of devices which can be unmounted will appear. Click "Safely remove USB Mass Storage Device".

You can safely unplug when the message from ***fig. 5*** appears.

fig. 2

fig. 3

fig. 4

fig. 5

To unmount the **SSD***2go* using the Finder, click the eject button next to the drive icon as shown in *fig. 6*.

When the drive completely disappears you can safely unplug the device.

fig. 6

INSTALLATION

No installation is needed for most computers. Only if you use Windows XP, Windows Server 2003 or Linux you need to install the *exFAT* driver.

The instructions below explain how to install this driver.

Note:
You can skip this chapter if you do not use Windows XP, Windows Server 2003 or Linux.

WINDOWS XP AND WINDOWS SERVER 2003

Please visit
http://support.microsoft.com/kb/955704
and download the exFAT driver installation package for your Windows version.

Once you have downloaded the installation package, start it and follow the instruction on your screen to install the exFAT driver.

LINUX

Most Linux distributions do not have the exFAT driver pre-installed. In this section we show how to install the exFAT driver on Ubuntu and Debian based systems.

1. Open a terminal. In Ubuntu you can use the Unity start button or press the key combination `ctrl+alt+t`.

2. Install the driver packages by giving the command `sudo apt-get install fuse-exfat exfat-utils` and following the instructions on your screen.

3. Reboot your computer.
After this, you are ready to use the **SSD***2go*.

Note:
The SSD2go already comes preconfigured out of the box, so usually there is no need to configure your SSD2go.

The **SSD**2*go* is configured by partitioning and formatting the drive. You may want to do this if the default configuration does not suit your needs.

There are separate instructions for Windows and Mac OS X.

The default configuration for the **SSD**2*go* is the MBR partition table and a single exFAT partition. The sections below explain how to configure your **SSD**2*go* with these settings.

If you want a different configuration than explained here, check your operating system manual or check the links in the Getting Help section.

Warning!
Partitioning and formatting are both operations that will delete the data on the SSD2go! Be sure to make a backup of your data before continuing.

The Disk Management application is used to partition and format drives. We can open it by pressing the key combination `Win+R`. This will show the "Run" dialog. Type `diskmgmt.msc` and press Enter.

Note

Alternative ways of opening the Disk Management application are shown in the Troubleshooting section.

Partitioning a disk means the creating of separate volumes (drive letters, mount points) on a single physical disk. We will create only a single volume on the disk.

1. First we need to find the **SSD**2*go*. The window is divided into two parts, as shown in *fig. 7*. On top is a list of volumes and on the bottom a list of physical disks. In the list of physical disks, locate the **SSD**2*go*.

The **SSD**2*go* will be the physical disk on the bottom of the list, but above any CD drive.

Note

If you cannot find the physical disk representing the SSD2go, disconnect it, wait a few seconds, and reconnect it. You will see the SSD2go disk disappear and appear.

2. If there are any volumes on the **SSD**2*go*, you need to remove them first. Make sure you only delete the volumes on the **SSD**2*go*, not any other disks.

Warning!

Deleting a volume will delete all data from that volume!

Right-click on the volume you wish to remove, and click "Delete Volume", as shown in *fig. 8*. Repeat this for all volumes on the **SSD**2*go*.

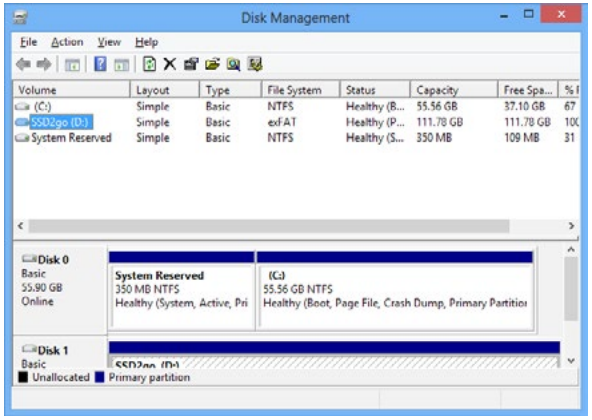

fig. 7

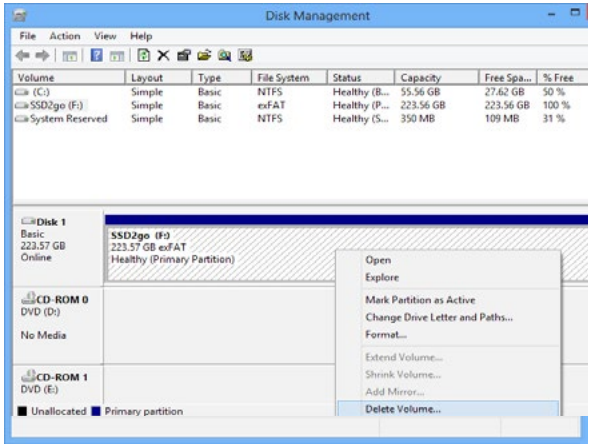

fig. 8

3. Now we will create a new volume on the **SSD**2*go*. In the "Unallocated" area, right-click and choose "New Simple Volume" as shown in *fig. 9*. Windows will now guide you through the process of creating a new volume.

3.A. Click "Next" twice to accept the default volume size and then the default drive letter. See *fig. 10* and *fig. 11*.

3.B. On the "Format Volume" screen (*fig. 12*), you need to select the filesystem.

Set the filesystem to *exFAT* if you want to use your **SSD**2*go* with both Windows and Mac OS X. Choose *NTFS* If you want to use your **SSD**2*go* only with Windows. Read Choosing a file system for other options.

Also set the volume name to "SSD2go" and enable "Perform a quick format".

When ready, click next.

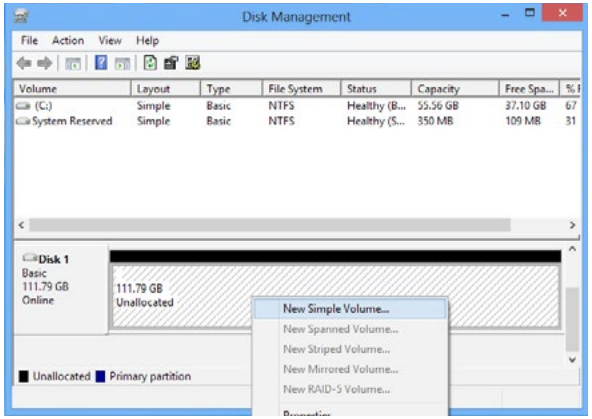

fig. 9

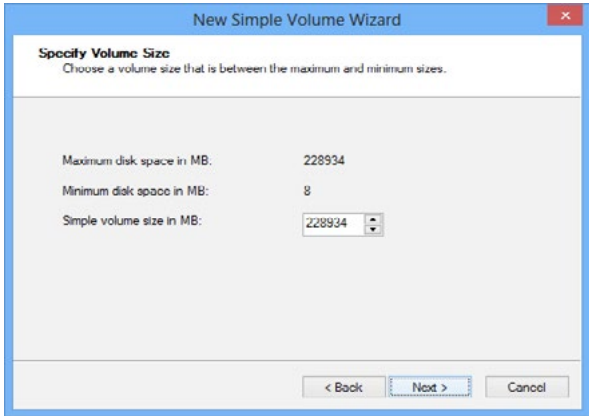

fig. 10

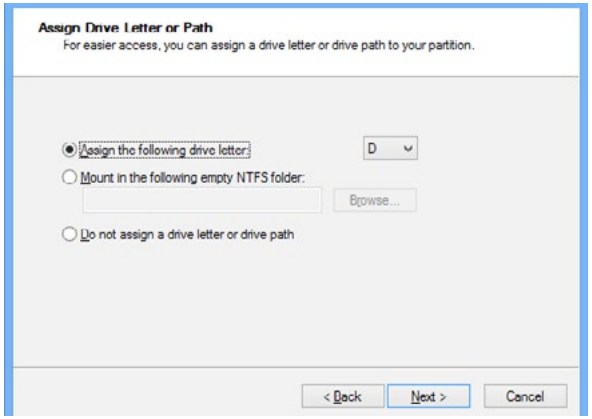

fig. 11

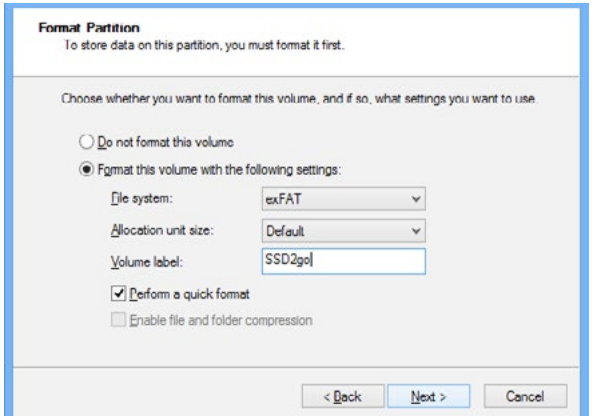

fig. 12

3.C. Click finish to confirm you want to create the volume as in *fig. 13*.

3.D. Windows will now create the volume, and it will show up in the list of volumes as in *fig. 14*.

Now the volume has been created. The drive will mount and show up in “Computer” (Windows 8, Windows 7, Windows Vista) or “My Computer” (Windows XP).

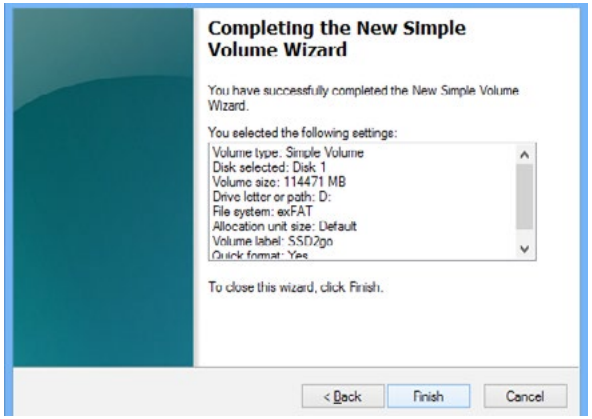

fig. 13

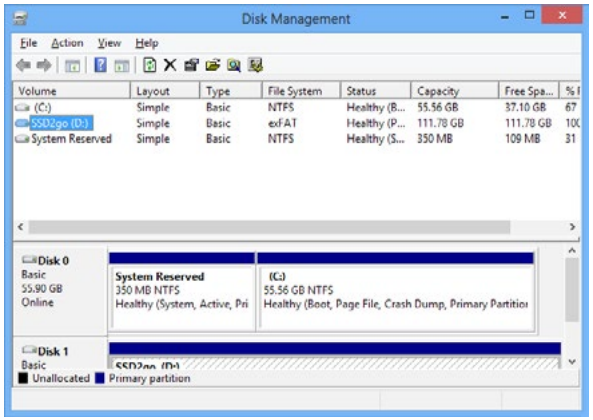

fig. 14

The Disk Utility is used to format and partition drives. It can be found under *Applications → Utilities → Disk Utility*.

Partitioning a disk means the creating of separate volumes on a single physical disk. We will create only a single volume on the disk.

Start the Disk Utility and follow the steps below.

1. Select **SSD***2go* from the list of disks as in *fig. 15*.

2. Select the erase tab and select a Format. See *fig. 15*. Choose *exFAT* if you want to use your **SSD***2go* with both Windows and Mac OS X. For more information, read the Choosing a file system section. Click "Erase" when you have made a choice (*fig. 16*).

Warning!
After clicking "Erase" all data will be deleted from the drive.

3. Mac OS X will now create and mount the volume.

fig. 15

fig. 16

SSD2GO

Type
Portable USB SSD drive

Connectivity
Full Size USB 3.0 5Gbit/s (x2 for Twin)

Warranty
3 Years

Target User
Consumer, power user from home, gaming to business

Standard Capacity
120/240/480 GB (SSD2go)

Operating temperature (load)
30°C to 35°C

Size
127mm x 66mm x 10mm
(5.0“ x 2.59“ x 0.39“)

Features
In-drive UPS, Overload protection, TCG OPAL
Auto-TRIM, ECC, RAISE, EMS protection
Built-in cache, SMART

Flash
Grade A Intel® or Micron® Synchronous MLC

Controller
SandForce® SF-2281/2282 Series

Sustained Read speed
Up to 460MB/s

Sustained Write speed
Up to 460MB/s

IOPS
85000

Access Time
< 0.1ms

MTBF
> 2,000,000 hours

SSD2*GO* TWIN

Type
Portable USB SSD drive

Connectivity
Two times full Size USB 3.0 5Gbit/s

Warranty
3 Years

Target User
Consumer, power user from home, gaming to business

Standard Capacity
Any combination of 120, 240 or 480 GB drives

Operating temperature (load)
30°C to 35°C

Size
127mm x 66mm x 20mm
(5.0“ x 2.59“ x 0.79“)

Features
In-drive UPS, Overload protection, TCG OPAL
Auto-TRIM, ECC, RAISE, EMS protection
Built-in cache, SMART

Flash
Grade A Intel® or Micron® Synchronous MLC

Controller
SandForce® SF-2281/2282 Series

Sustained Read speed
Up to 460MB/s

Sustained Write speed
Up to 460MB/s

IOPS
85000

Access Time
< 0.1ms

MTBF
> 2,000,000 hours

SSD2GO PRO

Type
Portable USB SSD drive

Connectivity
Full Size USB 3.0 5Gbit/s
eSATA SATA3 6Gbit/s

Warranty
3 Years

Target User
Consumer, power user from home, gaming to business

Standard Capacity
Any combination of 120, 240 or 480 GB drives

Operating temperature (load)
30°C to 35°C

Size
127mm x 66mm x 20mm
(5.0“ x 2.59“ x 0.79“)

Features
In-drive UPS, Overload protection, TCG OPAL
Auto-TRIM, ECC, RAISE, EMS protection
Built-in cache, SMART

Flash
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Controller
SandForce® SF-2281/2282 Series

Sustained Read speed
Up to 460MB/s

Sustained Write speed
Up to 460MB/s

IOPS
85000

Access Time
< 0.1ms

MTBF
> 2,000,000 hours

For general information regarding partitioning, see http://en.wikipedia.org/wiki/Disk_partitioning.

For more information on formatting and partitioning in various operating systems you can read the resources below.

Windows
http://windows.microsoft.com/en-US/windows-vista/Create-and-format-a-hard-disk-partition

Mac OS X
Open *Disk Utility* and choose *Help → Disk Utility Help*.

Ubuntu Linux
https://help.ubuntu.com/12.10/ubuntu-help/disk-partitions.html

For other help, check the Angelbird Support section at www.angelbird.com/support.

THE **SSD**2*GO* DOES NOT MOUNT

If you are using Windows XP, Windows Server 2003 or Linux you first need to install the ex-FAT driver.

You can read the installation instructions in the Installation section.

CHOOSING A FILE SYSTEM

A file system / format is the way a computer stores files on a disk. Different file systems have different advantages and disadvantages. Mac OS X, Windows and Linux have support for a number of different file systems.

The **SSD**2*go* comes preconfigured with *exFAT*. Angelbird recommends *exFAT* since it works with most modern computers.

Use the information below to choose the best file system for you.

exFAT [1,2]
Windows 8 / Windows 7 / Windows Vista / Windows Server 2008 / Mac OS X 10.6.5 and later

FAT32 [3,4]
All Windows version / Mac OS X / Mac OS 9 / Linux.

Note:
FAT32 has a file size limit.
The largest a file can be is 4 Gigabyte.

NTFS [5]
All Windows versions

Mac OS Extended [6]
All OS X versions / Linux.

EXT4 [7]
Linux

(1) Windows XP, Windows Server 2003 supported with the Microsoft exFAT driver.
(2) Linux supported with the 3rd party exFAT driver.
(3) With FAT32 the maximum file size is 4 Gigabyte.
(4) Called “MS-DOS (FAT)” in the Mac OS disk utility.
(5) Mac OS X, Linux supported with the 3rd party NTFS-3G driver.
(6) Windows supported with the 3rd party Boot Camp IFS driver.
(7) Mac OS X supported with the 3rd party Paragon ExtFS driver.

OPENING DISK MANAGEMENT

Depending on your personal preferences opening the Disk Management application may work differently. Below we give a some alternative options to open this application.

Windows 8

- Start a search in the "Settings" category for "Format", and click "Create and Format hard disk partitions."
- Press **Win+X**, and click on "Disk Management".

Windows 7, Windows Vista

- Open the start menu. In the search field, type "Format". Click "Create and Format hard disk partitions."

All Windows versions

- Right-click on "Computer", choose "Manage", then select "Disk Management" under "Storage" in the list of categories on the left.
- Press **Win+R** to open the run dialog. Type **diskmgmt.msc** and press Enter.

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ACKNOWLEDGMENTS

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