SAMSUNG

Samsung **SSD Self-Install Photo Guide**
for desktop computers

00

01

02

Bracket

SSD

mounting spacer

Package (installation program & manual CD instruction manual, warranty)

SATA cable

screws

SATA to USB connector

stickers

SSD Self-Install Photo Guide
for desktop computers

Carefully open the SSD box.

Make sure that there are no missing components!

❯ **Checking
the Product**

Installing
the Program

Data
Migration

Mounting
the SSD

Checking
SSD Mounting

01 **02** 03

SSD Self-Install Photo Guide
for desktop computers

Remove the CD from the black document pouch, and insert it into the CD-ROM drive.

You can also download the guide at www.samsung.com/samsungssd .
(See next page)

Checking
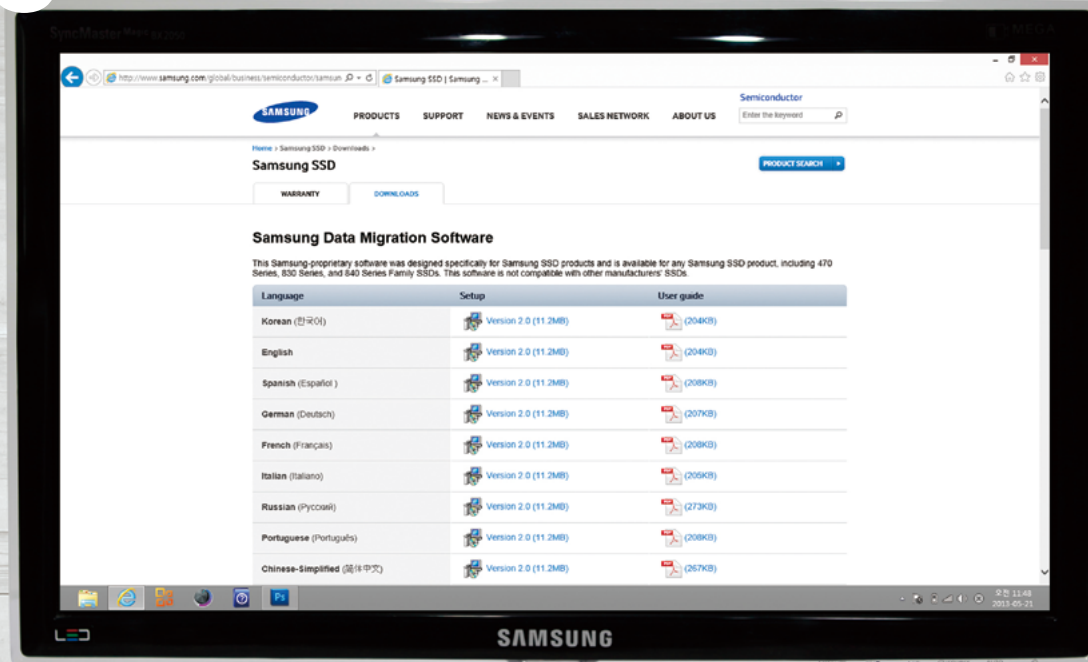the Product

❯ **Installing
the Program**

Data
Migration

Mounting
the SSD

Checking
SSD Mounting

02

03

04

SSD Self-Install Photo Guide
for desktop computers

You can also download the program at the official Samsung SSD homepage.

You can also download the guide at www.samsung.com/samsungssd .
(SSD firmware, Magician software, Samsung Data Migration software)

Checking
the Product

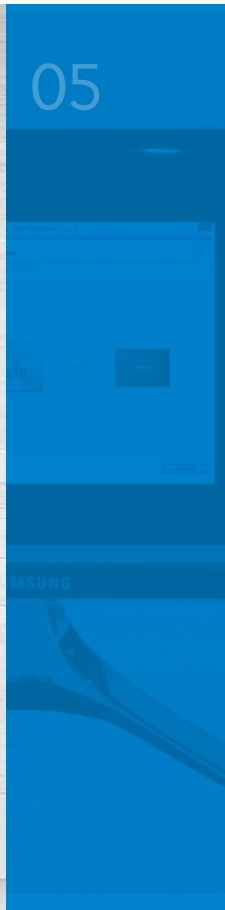Installing
the Program

❯ **Data
Migration**

Mounting
the SSD

Checking
SSD Mounting

03

04

05

SSD Self-Install Photo Guide
for desktop computers

Install the Magician program.

*Run the CD, then click the setup file in the Magician Software folder to install the program.

Checking
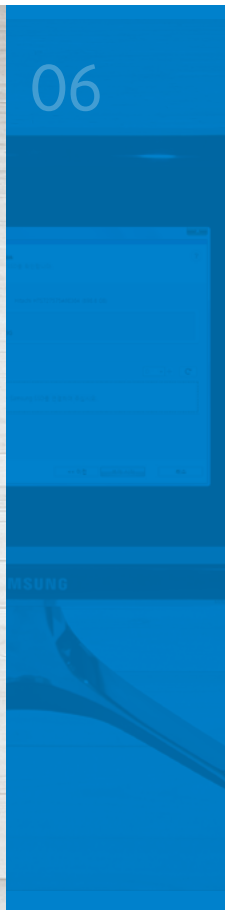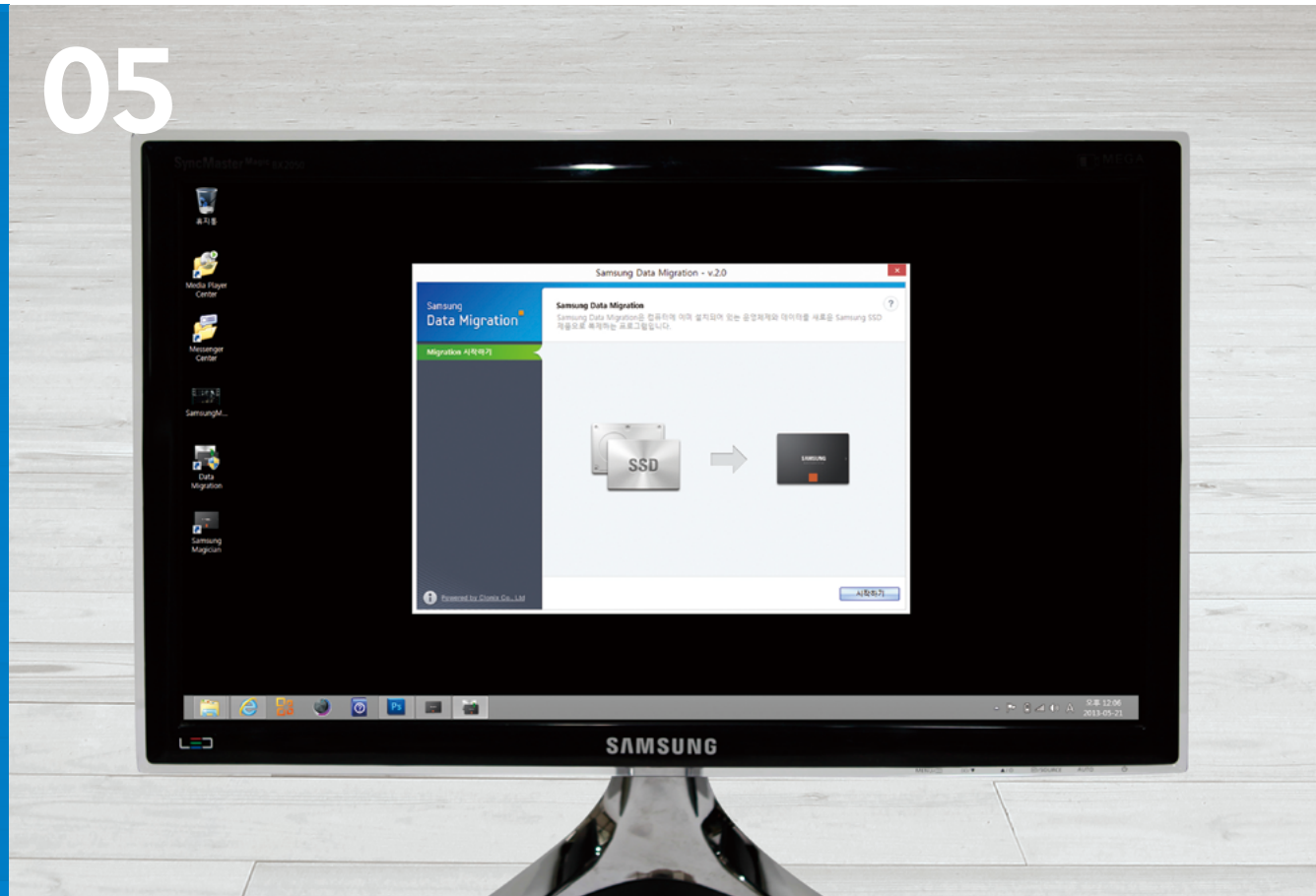the Product
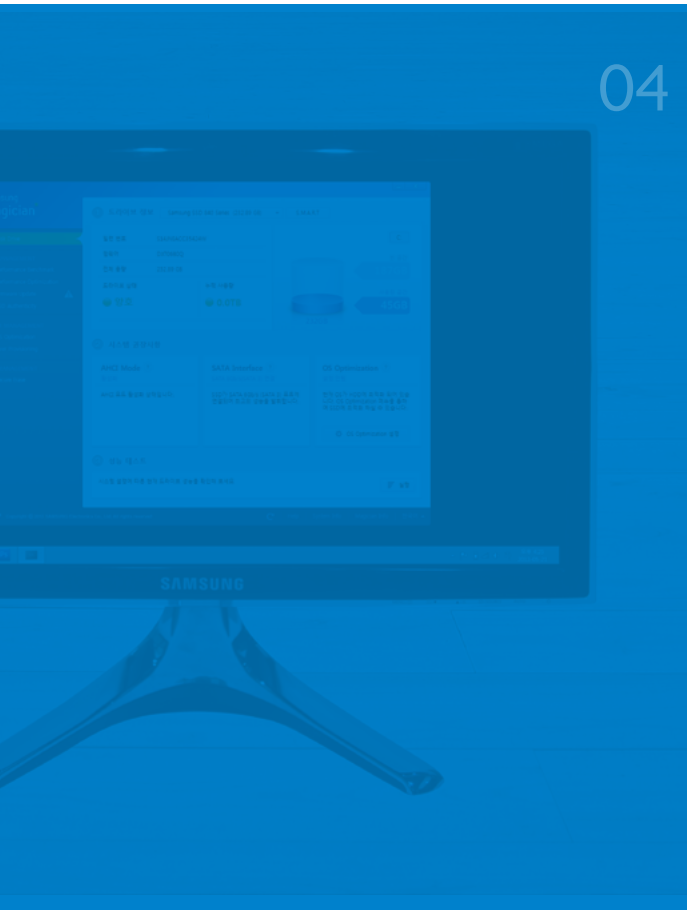
Installing
the Program

❯ **Data
Migration**

Mounting
the SSD

Checking
SSD Mounting

04

05

06

SSD Self-Install Photo Guide
for desktop computers

Install the Data Migration program.

Using Data Migration migrates all of the user's data including the OS.
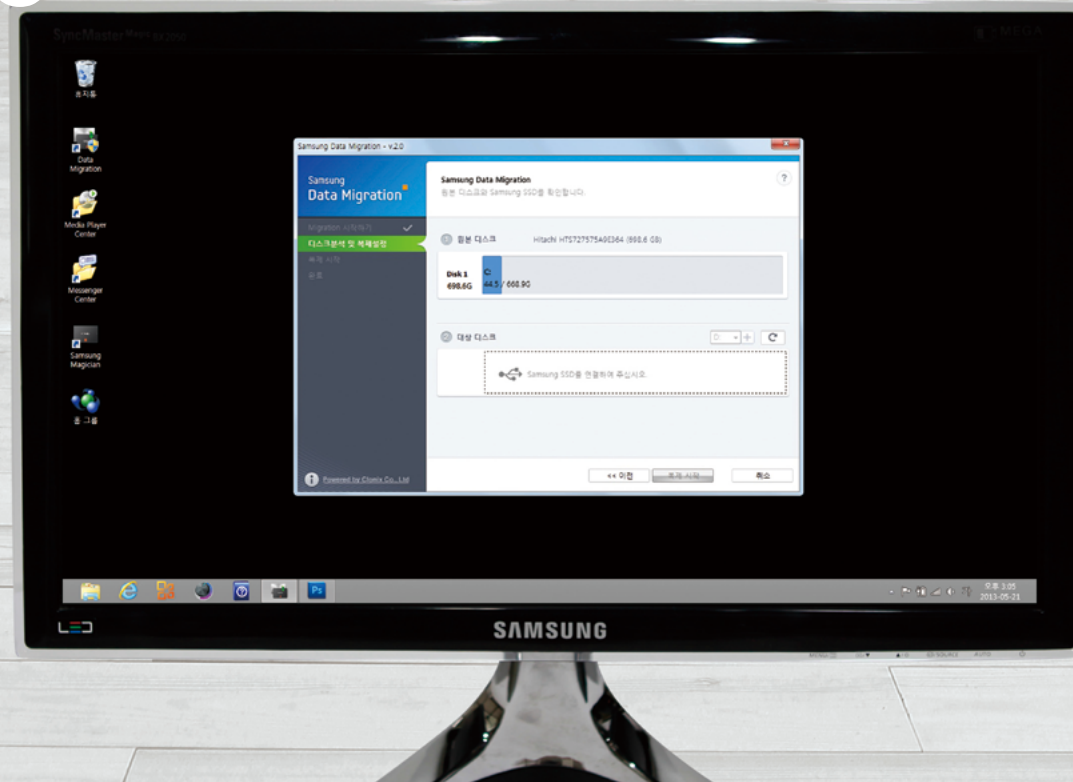This means re-installation of the OS is not necessary.

* Run the CD, then click the setup file in the Magician Software folder to install the program.

SAMSUNG

Checking
the Product

Installing
the Program

❯ **Data
Migration**

Mounting
the SSD

Checking
SSD Mounting

05 **06** 07

SSD Self-Install Photo Guide
for desktop computers

Run the Data Migration program,
and then connect the SSD to the computer.

1. On the main screen, click 'Start' to run the Data Migration program.

Checking
the Product

Installing
the Program

❯ Data
Migration

Mounting
the SSD

Checking
SSD Mounting

06

07

08

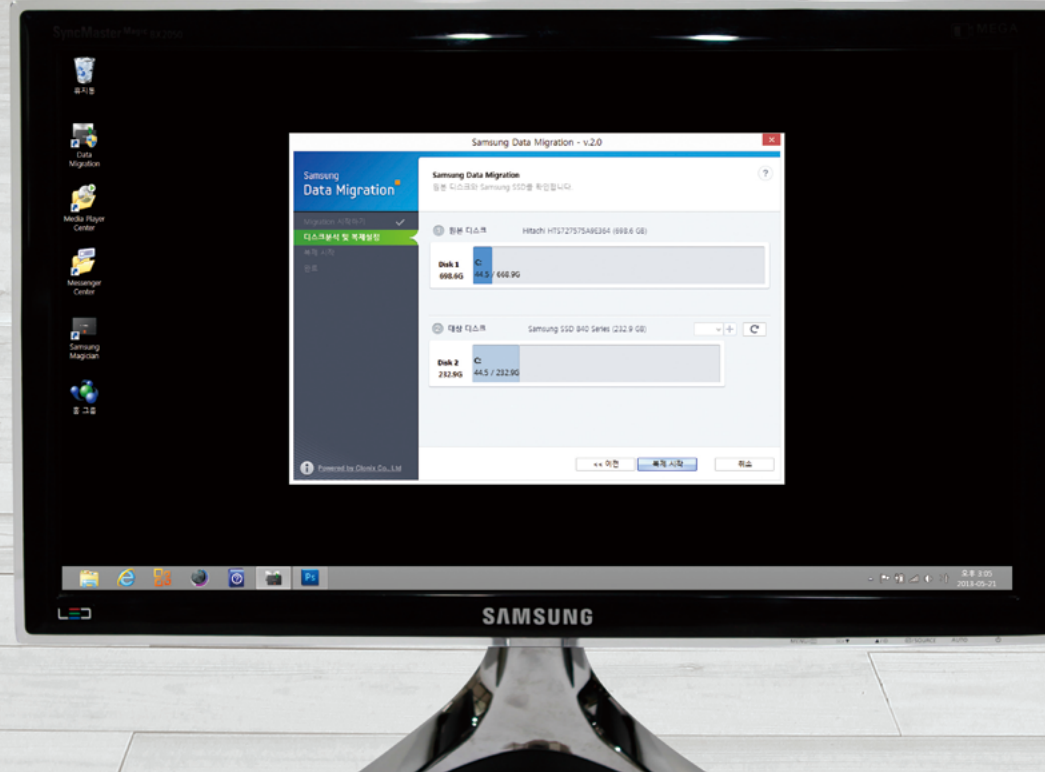SSD Self-Install Photo Guide
for desktop computers

Connect the SSD to the computer.

2. Connect the SSD to the desktop computer using the SATA to USB connector.

Checking
the Product

Installing
the Program

❯ Data
  Migration

Mounting
the SSD

Checking
SSD Mounting

07

08

09

SSD Self-Install Photo Guide
for desktop computers

Run the Data Migration program, and make sure to the SSD is detected in the program.

3. The Data Migration program will automatically detect the SSD.

Checking
the Product
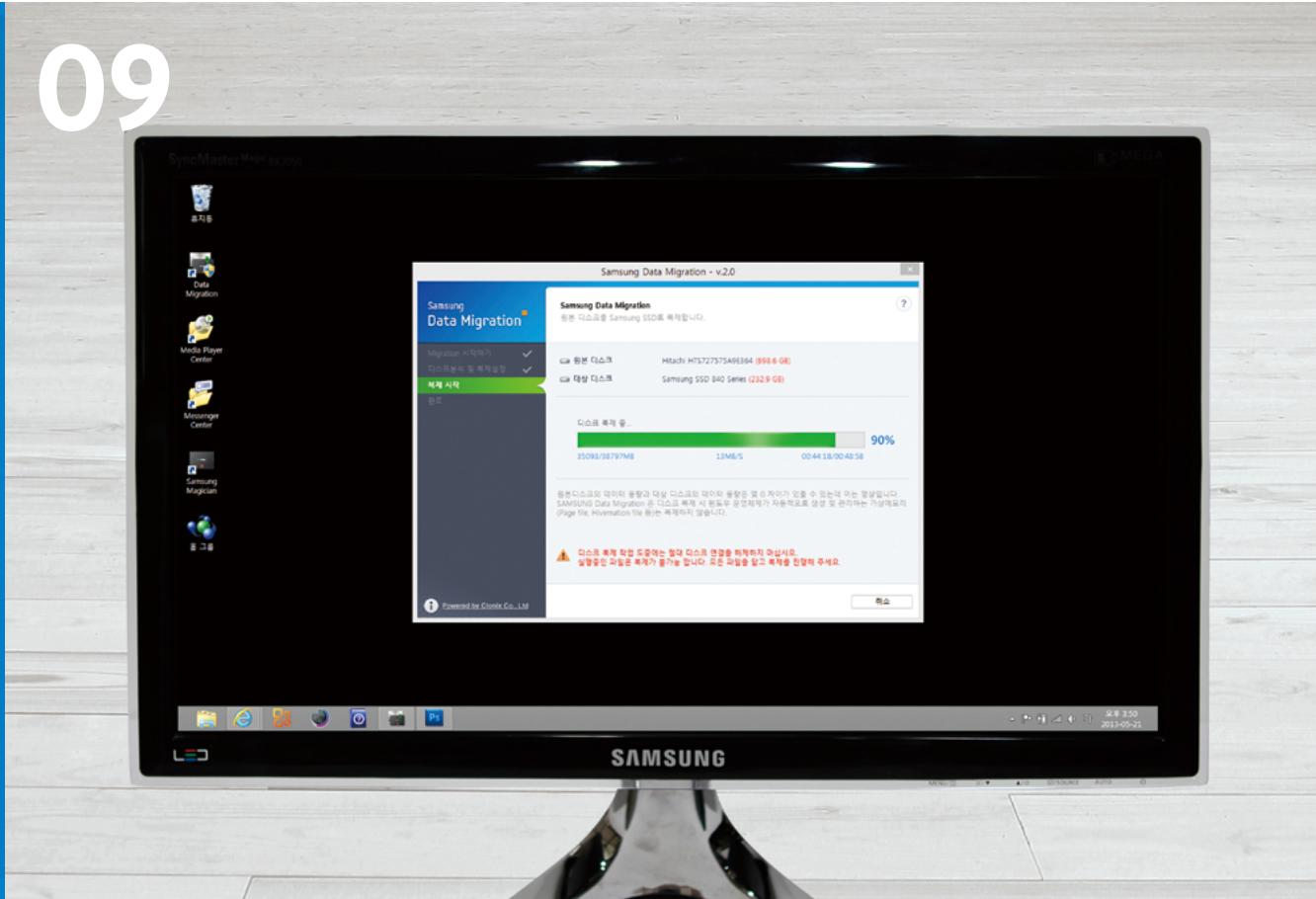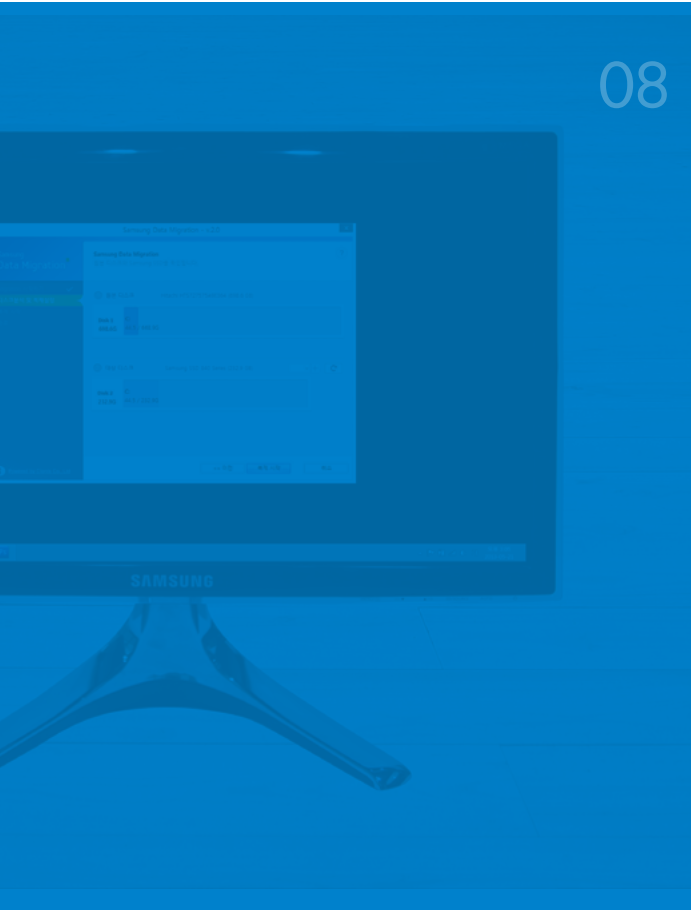
Installing
the Program

❯ **Data
Migration**

Mounting
the SSD

Checking
SSD Mounting

08 **09** 10

SSD Self-Install Photo Guide
for desktop computers

Click the 'Start Migration' button to start Data Migration.

* Data Migration migrates the data and the operating system (Windows) installed on the computer
you are using to the SSD you have purchased.

* After data migration is complete, turn off the computer and then disconnect the SSD from the
USB connector.

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

09

10

11

SSD Self-Install Photo Guide
for desktop computers

Open the cover of your computer.

* The details of how to open the cover differ between computer models. Refer to the service manual for your computer to open the cover safely.
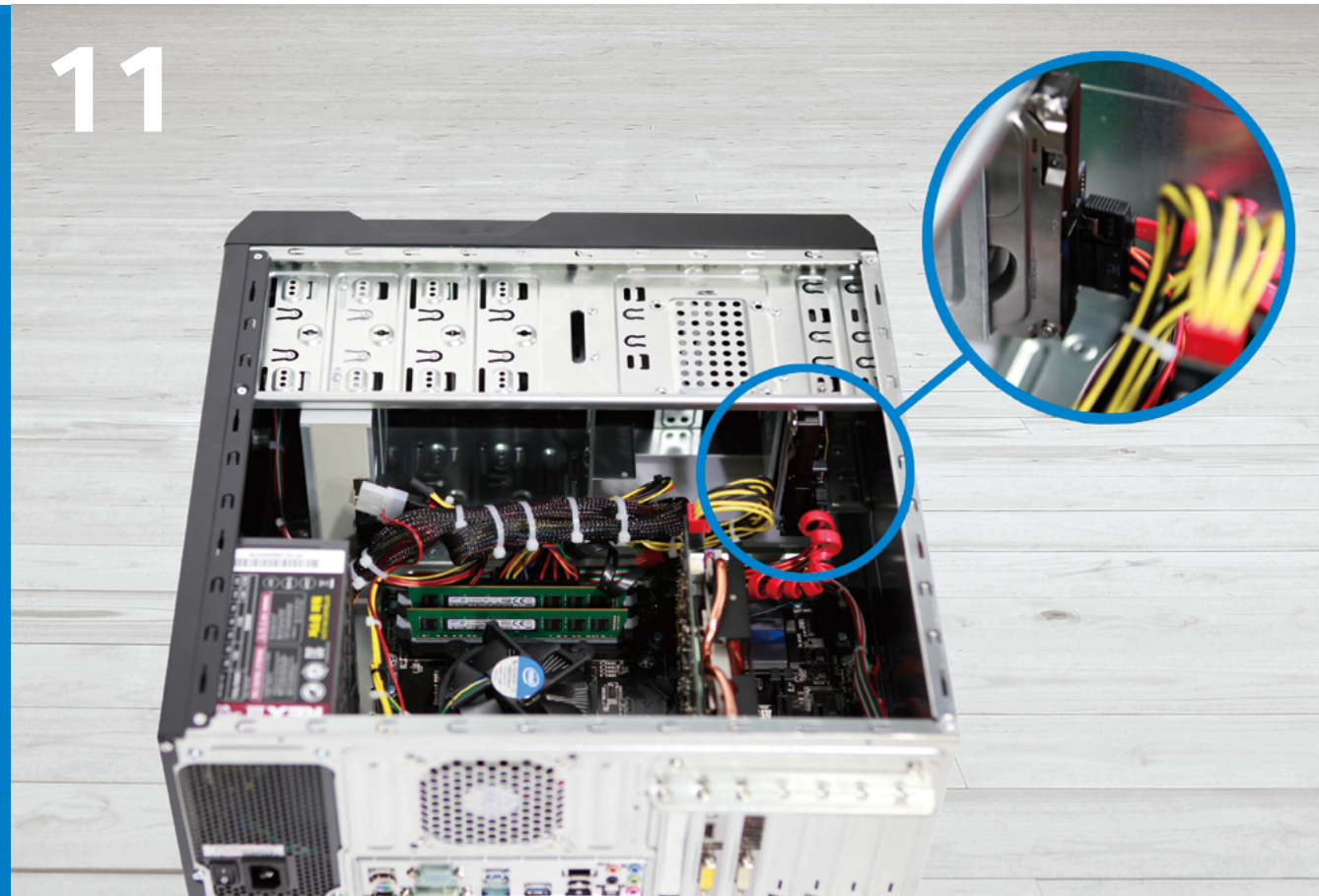
* You need to open the cover on the opposite side to remove the HDD. This is described in the next step.

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

10 **11** 12

SSD Self-Install Photo Guide
for desktop computers

Disconnect all the cables that are connected to the original HDD (or existing SSD) in your computer.

The cables that have been disconnected from the original HDD need to be reconnected to your new SSD.
It is recommended that you mark these cables in some way so that they are not confused with other cables.

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

11

12

13

SSD Self-Install Photo Guide
for desktop computers

**Remove the HDD by unfastening the screws
holding the HDD in the drive bay.**

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

12

13

14

SSD Self-Install Photo Guide
for desktop computers

Attach the bracket to the SSD.

* The bracket is sold separately. (However, a bracket is included in the Desktop Kit and All-in-One Kit.)

* The bracket may not be necessary, depending on the design of your computer.

* Use four screws to fasten it securely in place.

Checking
the Product

Installing
the Program

Data
Migration

> **Mounting
the SSD**

Checking
SSD Mounting

12

13

14

SSD Self-Install Photo Guide
for desktop computers

Attach the bracket to the SSD.

* The bracket is sold separately. (However, a bracket is included in the Desktop Kit and All-in-One Kit.)

* The bracket may not be necessary, depending on the design of your computer.

* Use four screws to fasten it securely in place.

Checking
the Product

Installing
the Program

Data
Migration

> Mounting
the SSD

Checking
SSD Mounting

13

14

15

SSD Self-Install Photo Guide
for desktop computers

Insert the SSD, fitted with the bracket, into the location of the original HDD (usually SATA port #0), and secure it in place.

The HDD is usually mounted in SATA port #0, because booting starts at the lowest-numbered SATA port and then proceeds sequentially. (Port #0, port #1, port #2, and so on.)
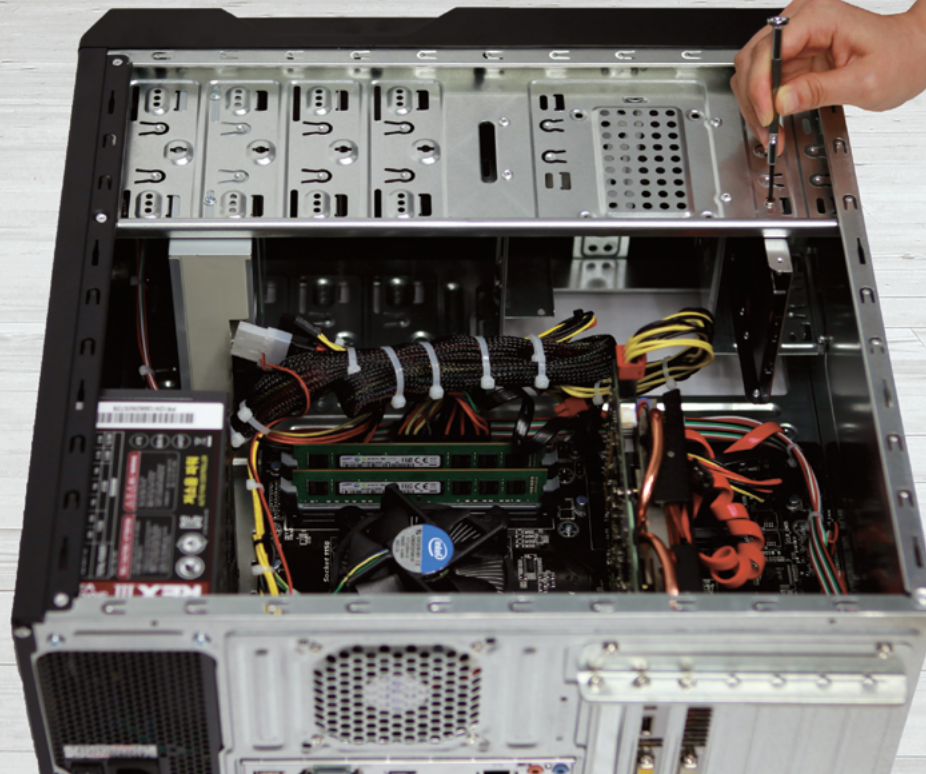Therefore, you need to mount your new SSD in SATA port #0 (vacated by the existing HDD), which is the lowest-numbered SATA port.

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

13

14

15

SSD Self-Install Photo Guide
for desktop computers

Insert the SSD, fitted with the bracket, into the location of the original HDD (usually SATA port #0), and secure it in place.

The HDD is usually mounted in SATA port #0, because booting starts at the lowest-numbered SATA port and then proceeds sequentially. (Port #0, port #1, port #2, and so on.)
Therefore, you need to mount your new SSD in SATA port #0 (vacated by the existing HDD), which is the lowest-numbered SATA port.

Checking
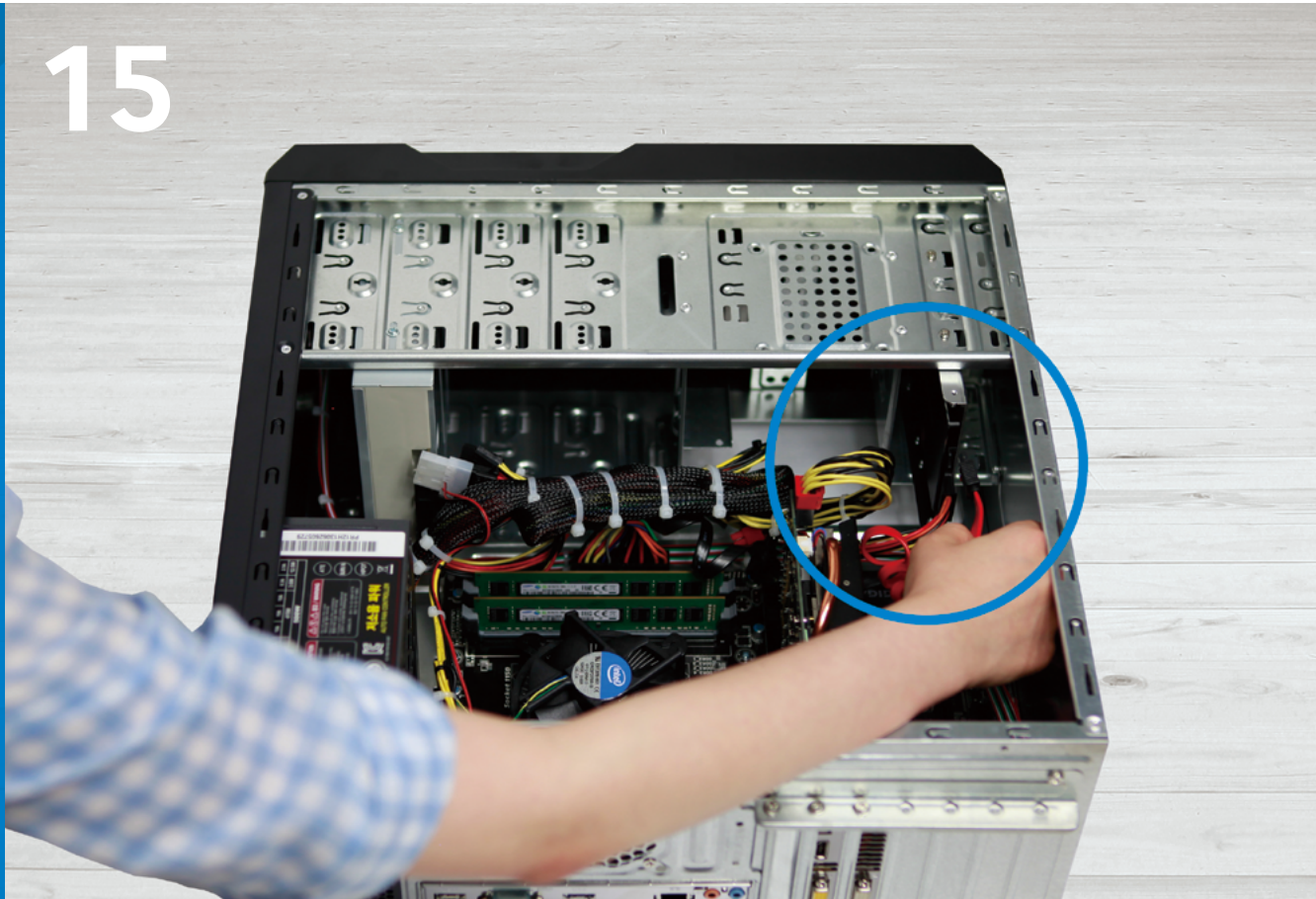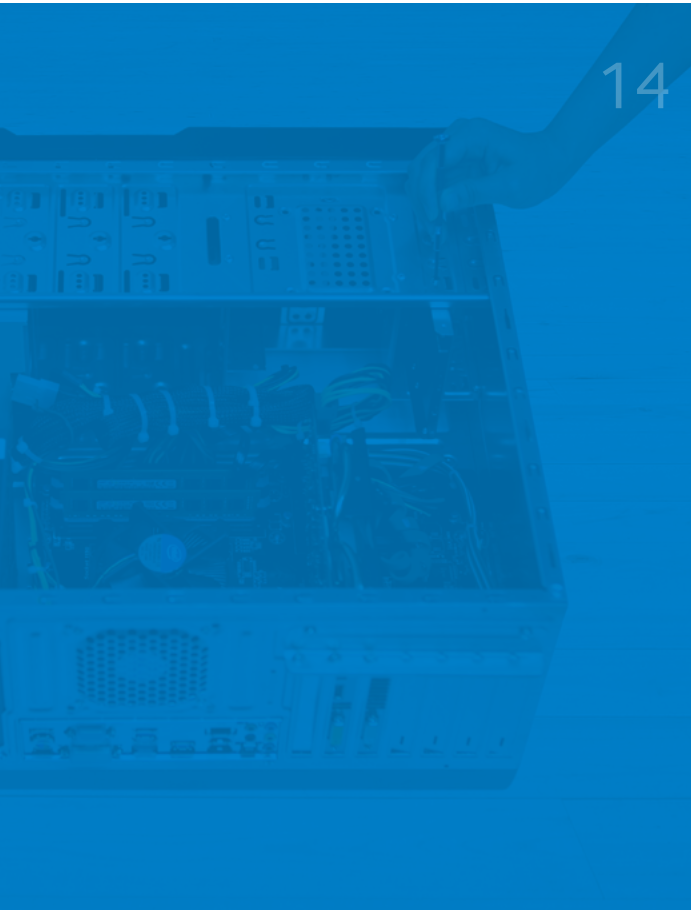the Product

Installing
the Program

Data
Migration

❯ Mounting
the SSD

Checking
SSD Mounting

14

15

16

SSD Self-Install Photo Guide
for desktop computers

Connect the cables that have been disconnected from the existing HDD to your new SSD.

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

14

15

16

SSD Self-Install Photo Guide
for desktop computers

**Connect the cables that have been disconnected
from the existing HDD to your new SSD.**

Checking
the Product
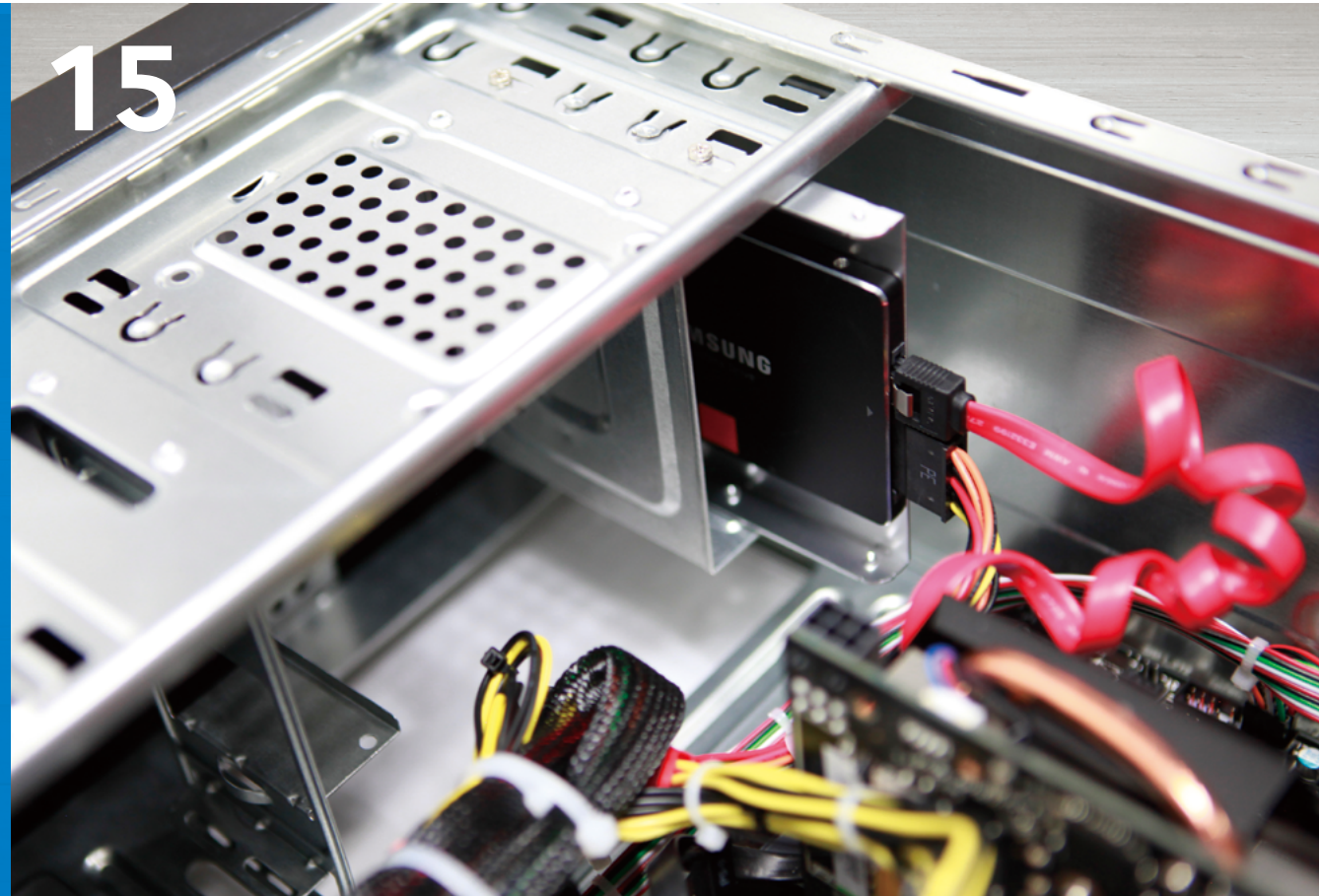
Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

15

16

17

SSD Self-Install Photo Guide
for desktop computers

Connect the existing HDD to the port with the next lowest number.

For example, if the SSD is connected to port #0, then connect the HDD to port #1.

Checking
the Product

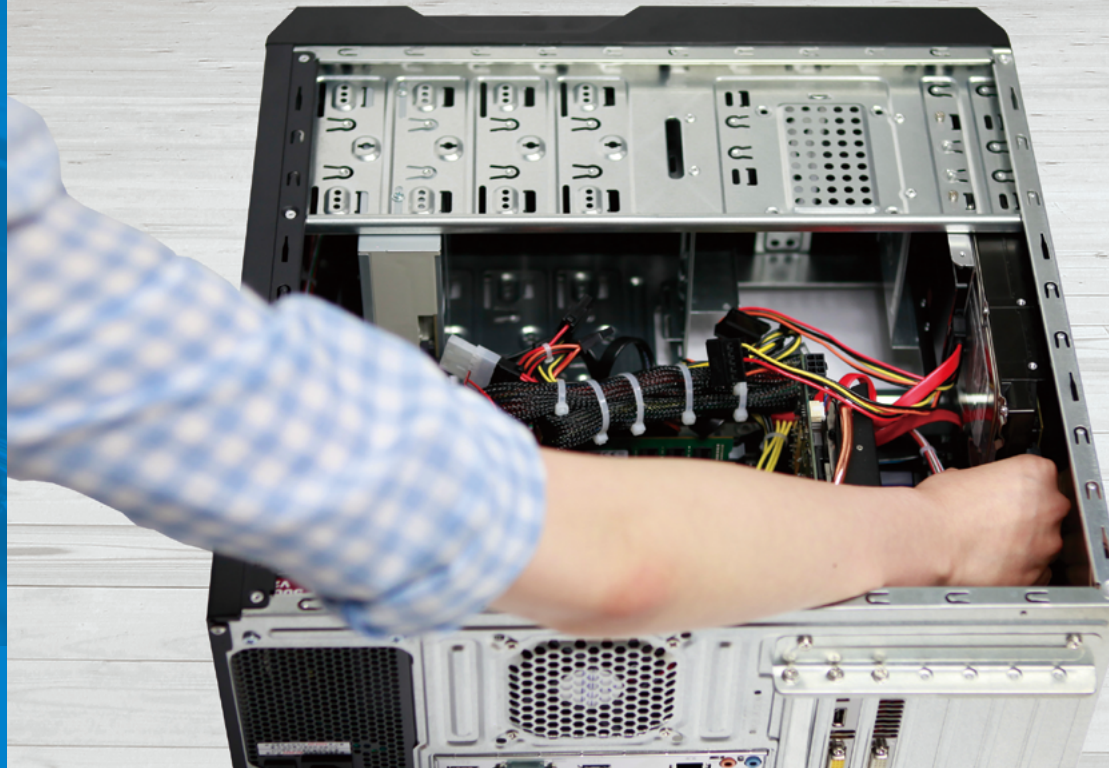Installing
the Program

Data
Migration

❯ Mounting
the SSD

Checking
SSD Mounting

15

16

17

SSD Self-Install Photo Guide
for desktop computers

Connect the existing HDD to the port with the next lowest number.

For example, if the SSD is connected to port #0, then connect the HDD to port #1.

Checking
the Product
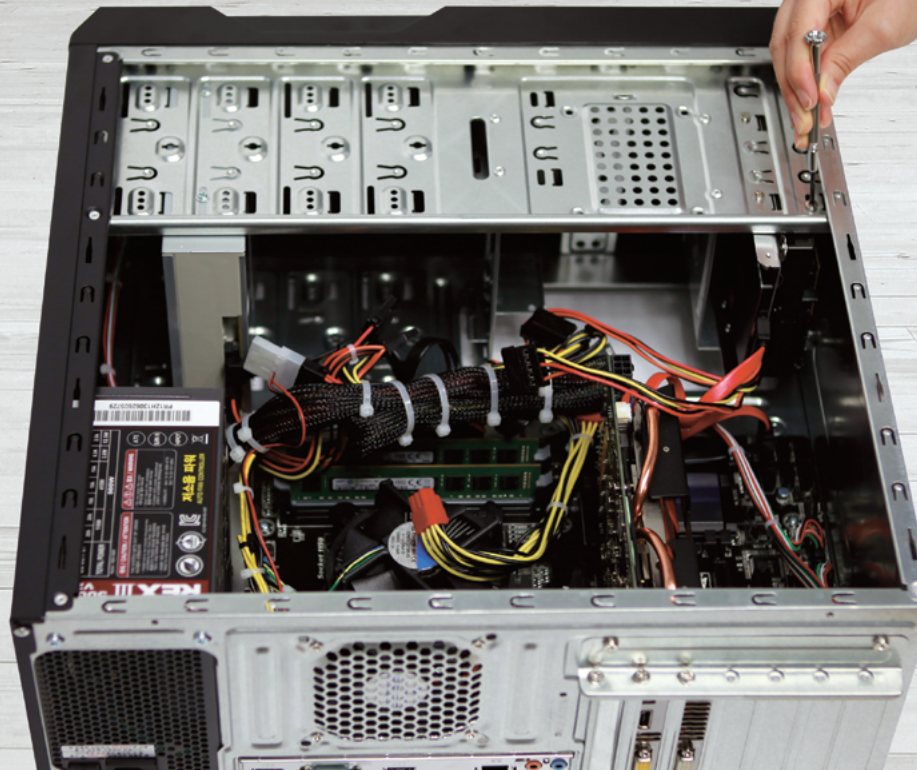
Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

16 **17** 18

SSD Self-Install Photo Guide
for desktop computers

**Connect the SATA cable and the power cable to the
reinstalled HDD.**

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

16

17

18

SSD Self-Install Photo Guide
for desktop computers

**Connect the SATA cable and the power cable to the
reinstalled HDD.**

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ Checking
SSD Mounting

17

18

19

SSD Self-Install Photo Guide
for desktop computers

Reattach the side covers to the computer.

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ Checking
SSD Mounting

SSD Self-Install Photo Guide
for desktop computers

Reboot the computer, and immediately enter BIOS setup.

Entering the BIOS setup may be done differently depending on mainboard and/or computer manufacturer.
Usually, you can enter BIOS setup by pressing the Delete key or the F2 key before the boot sequence proceeds to Windows.

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ **Checking
SSD Mounting**

19 **20** 21

SSD Self-Install Photo Guide
for desktop computers

Change IDE mode to AHCI mode.

* AHCI mode is usually found under advanced options.

* Some mainboards may not support AHCI.

(In this case you should obtain a separate driver from the manufacturer of the mainboard or the OS
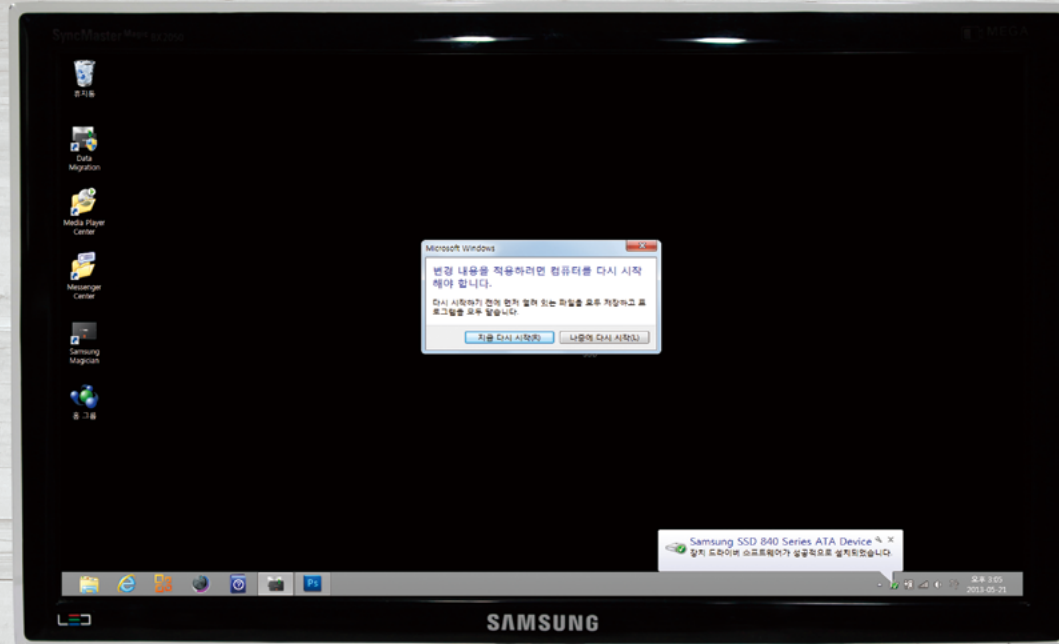to maximize the performance of the SSD.)

* Once installation is completed, install necessary drivers.

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ **Checking
SSD Mounting**

20 **21** 22

SSD Self-Install Photo Guide
for desktop computers

When you boot up the computer, Windows will detect the new SSD automatically, and a message will advise you reboot the computer.

* Once the desktop computer detects the newly mounted SSD, a message will advise you reboot the computer. This is normal, and you should reboot the computer.

Checking
the Product
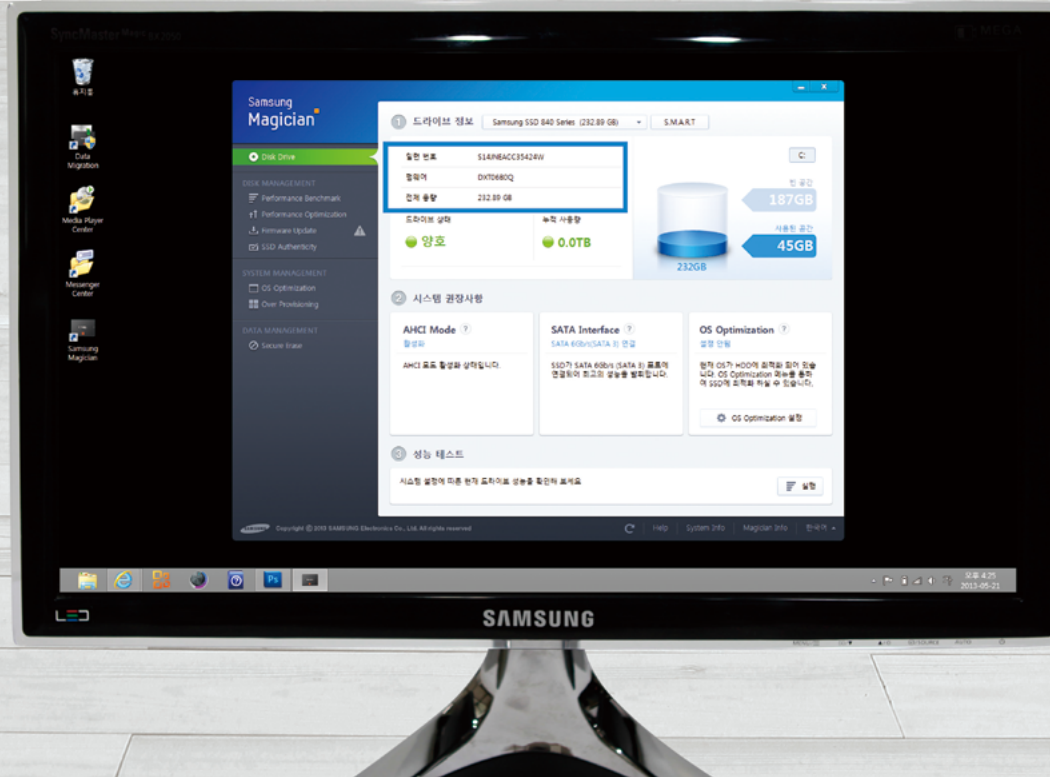
Installing
the Program

Data
Migration

Mounting
the SSD

❯ **Checking
SSD Mounting**

21

22

23

SSD Self-Install Photo Guide
for desktop computers

**After rebooting, run the Magician program
to verify that the SSD has been detected correctly.**

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ Checking
SSD Mounting

22

23

24

SSD Self-Install Photo Guide
for desktop computers

Check the AHCI mode and SATA interface settings.

* If AHCI mode is enabled and the SSD is connected to SATA 3 as shown in the photo,
run OS Optimization setup (in the left menu).

* The SSD performs optimally when using AHCI mode and SATA 3.

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ **Checking
SSD Mounting**

23 **24** 25

SSD Self-Install Photo Guide
for desktop computers

If you are using SATA 2, check whether your mainboard supports SATA 3.

* If SATA 3 is supported, turn off your computer and connect the SSD using SATA 3.
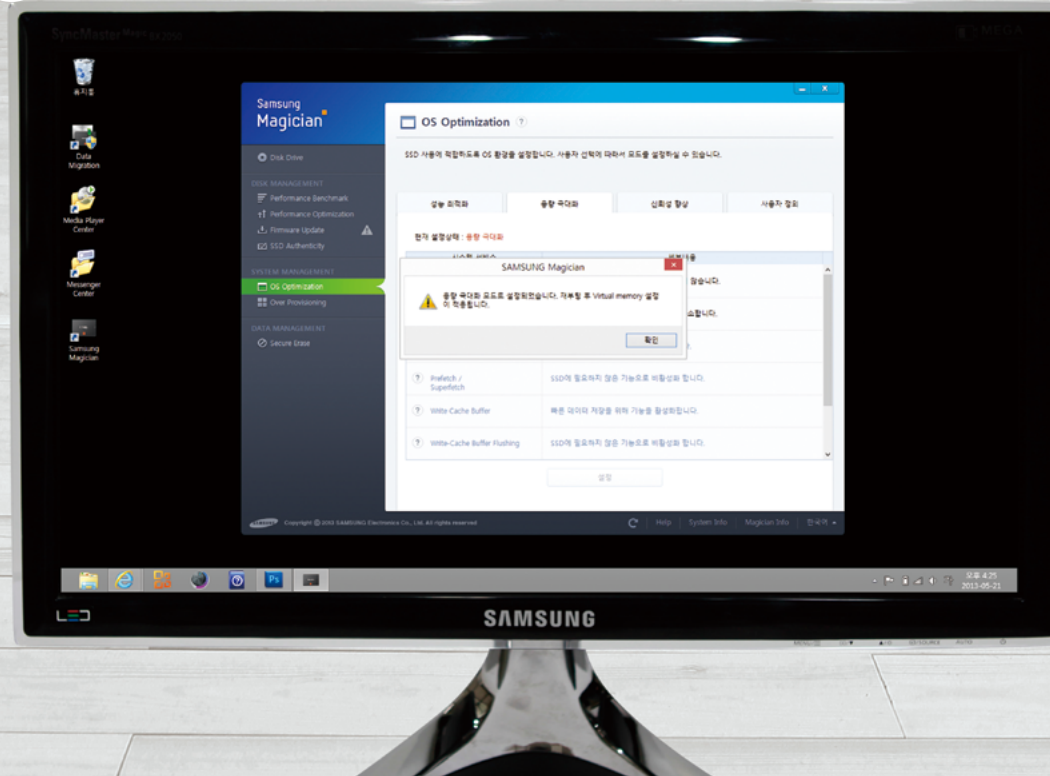
* If SATA 3 is not supported, proceed to the next step.

For more information, please contact the manufacturer of your mainboard.

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ **Checking
SSD Mounting**

24   **25**   26

SSD Self-Install Photo Guide
for desktop computers

After setup has completed, check OS optimization.

* Run performance benchmark and performance optimization from the left menu to ensure optimal performance.

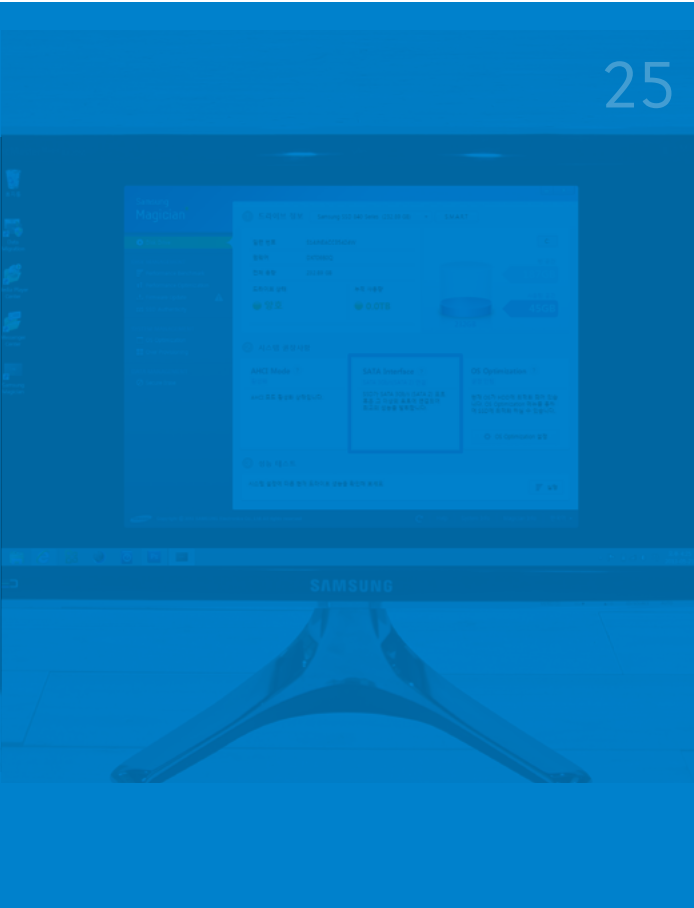* For more information, please refer to 'Help', located at the lower right corner.

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ **Checking
SSD Mounting**

25 **26**

SSD Self-Install Photo Guide
for desktop computers

Place the SSD sticker in a prominent location.

The installation and optimization of the SSD is now complete.

Thank you.

SAMSUNG

Samsung **SSD Self Installation** Photo Guide
for desktop computers (reinstalling Windows)

❯ **Checking
the Product**

Installing
the Program

Data
Migration

Mounting
the SSD

Checking
SSD Mounting

00

01

02

Bracket

Package (installation program & manual
CD instruction manual, warranty)

SSD

mounting spacer

SATA cable

screws

SATA to USB connector

stickers

SSD Self-Install Photo Guide
for desktop computers

Carefully open the SSD box.

Make sure that there are no missing components!

Checking
the Product

Installing
the Program

❯ **Data
Migration**

Mounting
the SSD

Checking
SSD Mounting

02

SSD Self-Install Photo Guide
for desktop computers

Open the cover of your computer.

* The details of how to open the cover differ between computer models. Refer to the service manual for your computer to open the cover safely.

* You need to open the cover on the opposite side to remove the HDD. This is described in the next step.

Checking
the Product
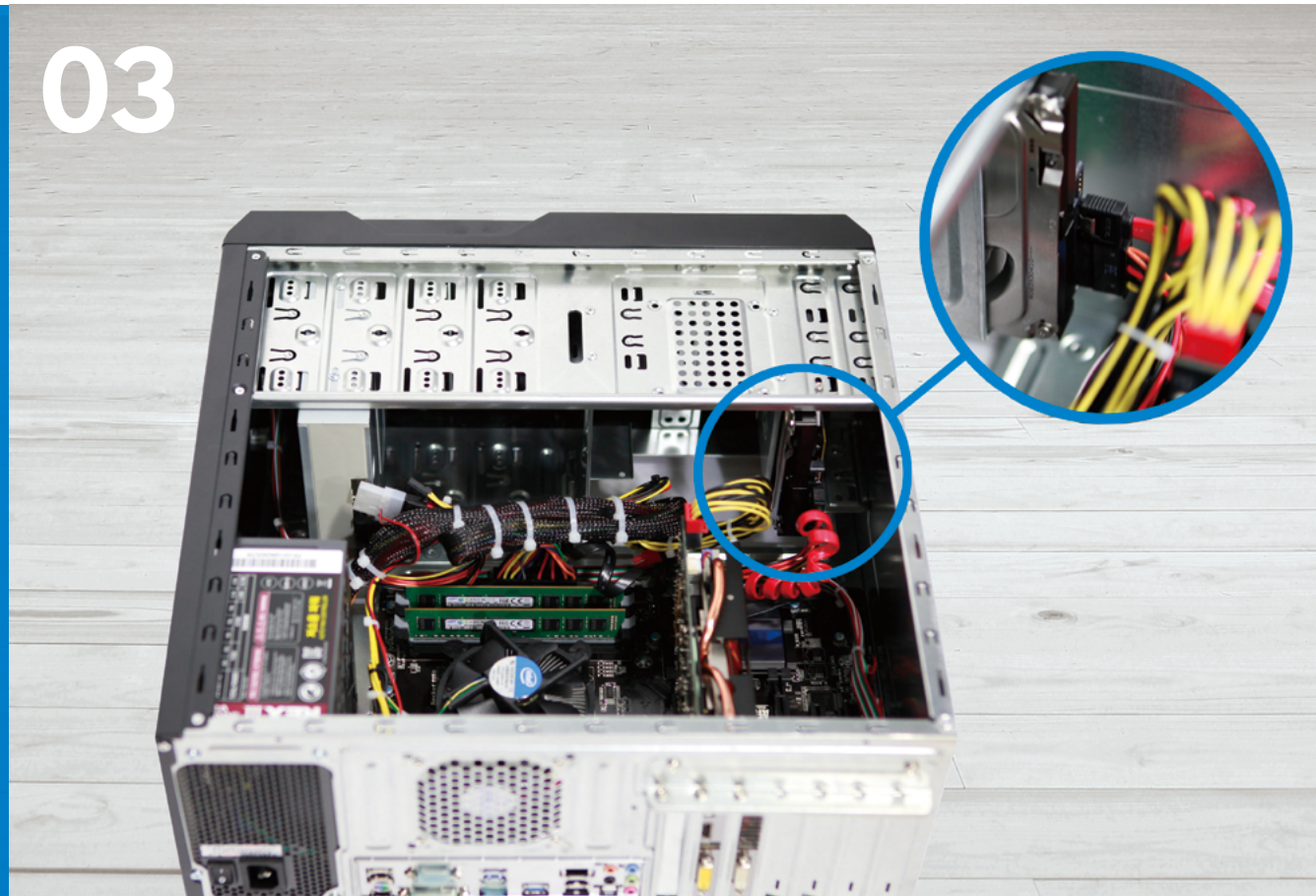
Installing
the Program

❯ **Data
Migration**

Mounting
the SSD

Checking
SSD Mounting

02

03

04

SSD Self-Install Photo Guide
for desktop computers

Disconnect all the cables that are connected to the original HDD (or existing SSD) in your computer.

The cables that have been disconnected from the original HDD need to be reconnected to your new SSD.
It is recommended that you mark these cables in some way so that they are not confused with other cables.

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

03

04

05

SSD Self-Install Photo Guide
for desktop computers

**Remove the HDD by unfastening the screws
holding the HDD in the drive bay.**

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

04
05
06

SSD Self-Install Photo Guide
for desktop computers

Attach the bracket to the SSD.

* The bracket is sold separately. (However, a bracket is included in the Desktop Kit and Allin-One Kit.)
* The bracket may not be necessary, depending on the design of your computer.
* Use four screws to fasten it securely in place.

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

04   05   06

SSD Self-Install Photo Guide
for desktop computers

Attach the bracket to the SSD.

* The bracket is sold separately. (However, a bracket is included in the Desktop Kit and Allin-One Kit.)
* The bracket may not be necessary, depending on the design of your computer.
* Use four screws to fasten it securely in place.

Checking
the Product

Installing
the Program

Data
Migration

❯ Mounting
the SSD

Checking
SSD Mounting

05

06

07

SSD Self-Install Photo Guide
for desktop computers

Insert the SSD, fitted with the bracket, into the location of the original HDD. (usually SATA port #0), and secure it in place.

The HDD is usually mounted in SATA port #0, because booting starts at the lowest-numbered SATA port and then proceeds sequentially. (Port #0, port #1, port #2, and so on.)

Therefore, you need to mount your new SSD in SATA port #0 (vacated by the existing HDD), which is the lowest-numbered SATA port.

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

05   **06**   07

SSD Self-Install Photo Guide
for desktop computers

**Insert the SSD, fitted with the bracket, into the location
of the original HDD.** (usually SATA port #0), **and secure it in place.**

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

06

07

08

SSD Self-Install Photo Guide
for desktop computers

**Connect the cables that have been disconnected
from the existing HDD to your new SSD.**

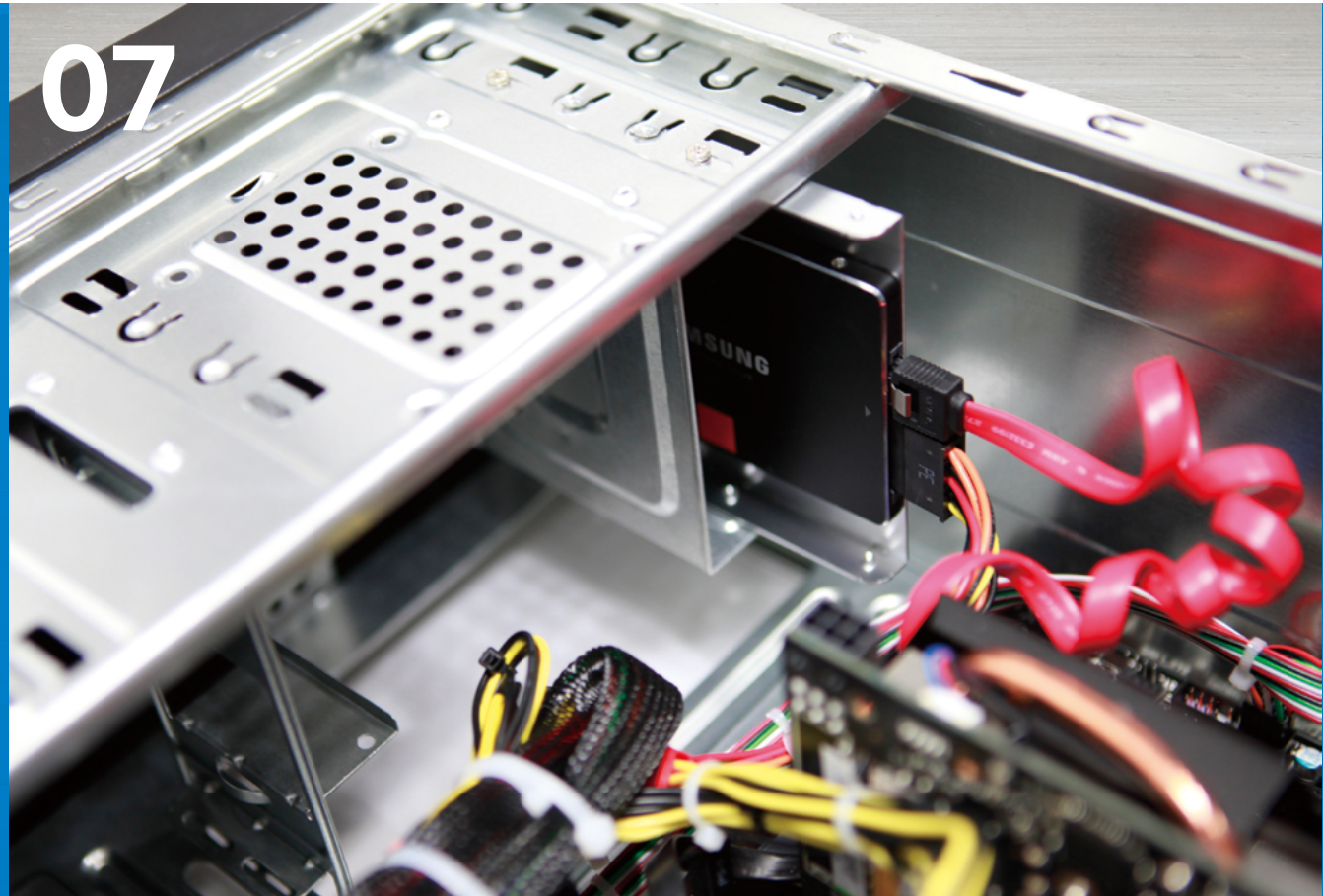Checking
the Product

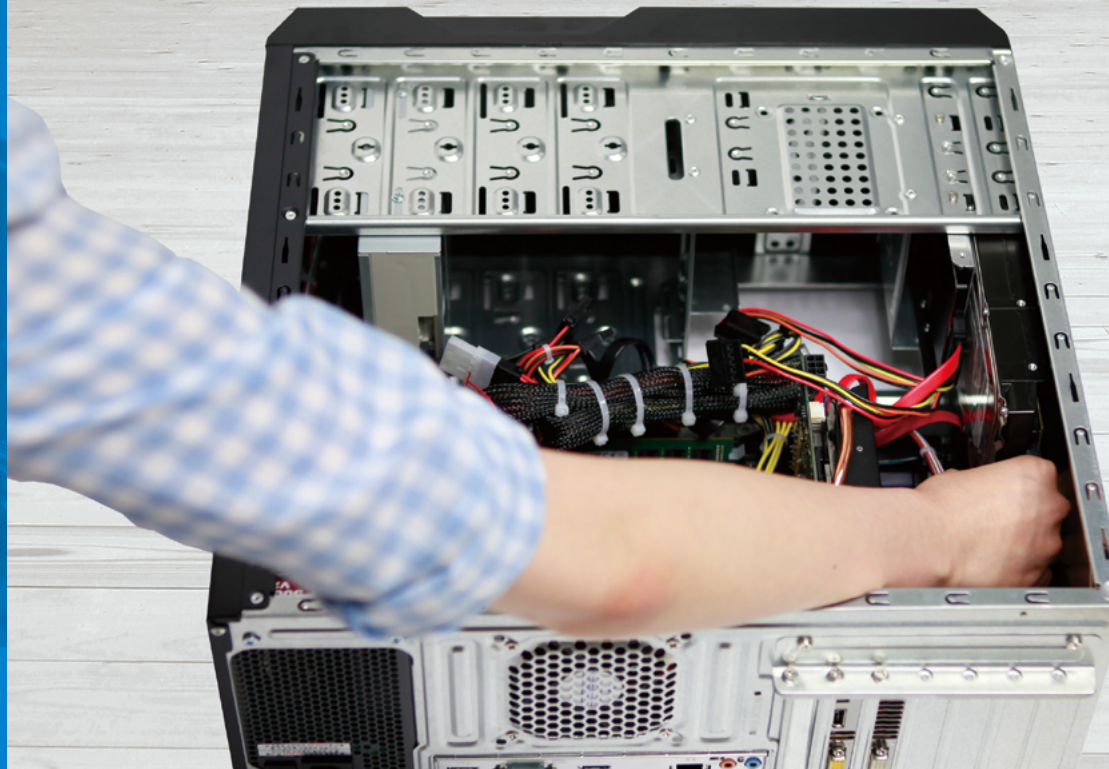Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

06   **07**   08

SSD Self-Install Photo Guide
for desktop computers

Connect the cables that have been disconnected from the existing HDD to your new SSD.

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

07

08

09

SSD Self-Install Photo Guide
for desktop computers

Connect the existing HDD to the port with the next lowest number.

For example, if the SSD is connected to port #0, then connect the HDD to port #1.

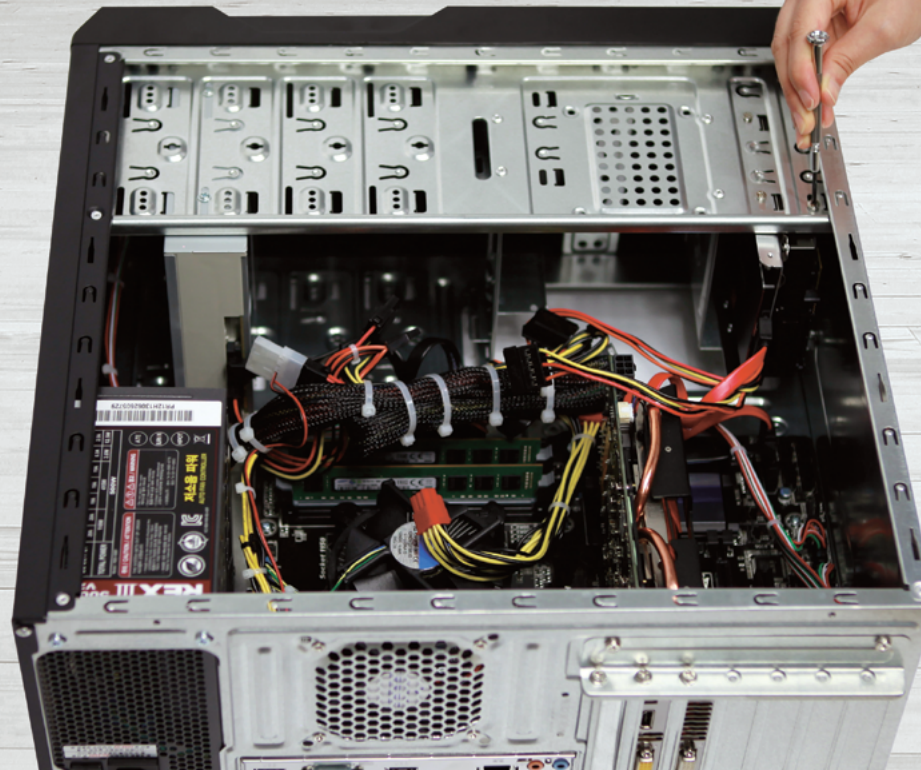Checking
the Product

Installing
the Program

Data
Migration

❯ Mounting
the SSD

Checking
SSD Mounting

07 **08** 09

SSD Self-Install Photo Guide
for desktop computers

Connect the existing HDD to the port with the next lowest number.

For example, if the SSD is connected to port #0, then connect the HDD to port #1.

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

08 **09** 10

SSD Self-Install Photo Guide
for desktop computers

**Connect the SATA cable and the power cable to
the reinstalled HDD.**

Checking
the Product

Installing
the Program

Data
Migration

❯ **Mounting
the SSD**

Checking
SSD Mounting

08

09

10

SSD Self-Install Photo Guide
for desktop computers

**Connect the SATA cable and the power cable to
the reinstalled HDD.**

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ Checking
SSD Mounting

09

10

11

SSD Self-Install Photo Guide
for desktop computers

Reattach the side covers to the computer.

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ **Checking
SSD Mounting**

10

11

12

SSD Self-Install Photo Guide
for desktop computers

Turn on the computer, and install Windows.

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ **Checking
SSD Mounting**

SAMSUNG

11 12 13

SSD Self-Install Photo Guide
for desktop computers

Reboot the computer, and immediately enter BIOS setup.

Entering the BIOS setup may be done differently depending on mainboard and/or computer manufacturer.
Usually, you can enter BIOS setup by pressing the Delete key or the F2 key before the boot sequence proceeds to Windows.

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ **Checking
SSD Mounting**

12

13

14

SSD Self-Install Photo Guide
for desktop computers

Change IDE mode to AHCI mode.

* AHCI mode is usually found under advanced options.

* Some mainboards may not support AHCI.

(In this case you should obtain a separate driver from the manufacturer of the mainboard or the OS to maximize the performance of the SSD.)

* Once installation is completed, install necessary drivers.

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ **Checking
SSD Mounting**

SAMSUNG

13   **14**   15

SSD Self-Install Photo Guide
for desktop computers

Install the Magician program using the CD provided.

* Run the CD located in the black document pouch,
then click the setup file in the Magician Software folder to install the program

* You can also download the program and the guide at www.samsung.com/samsungssd

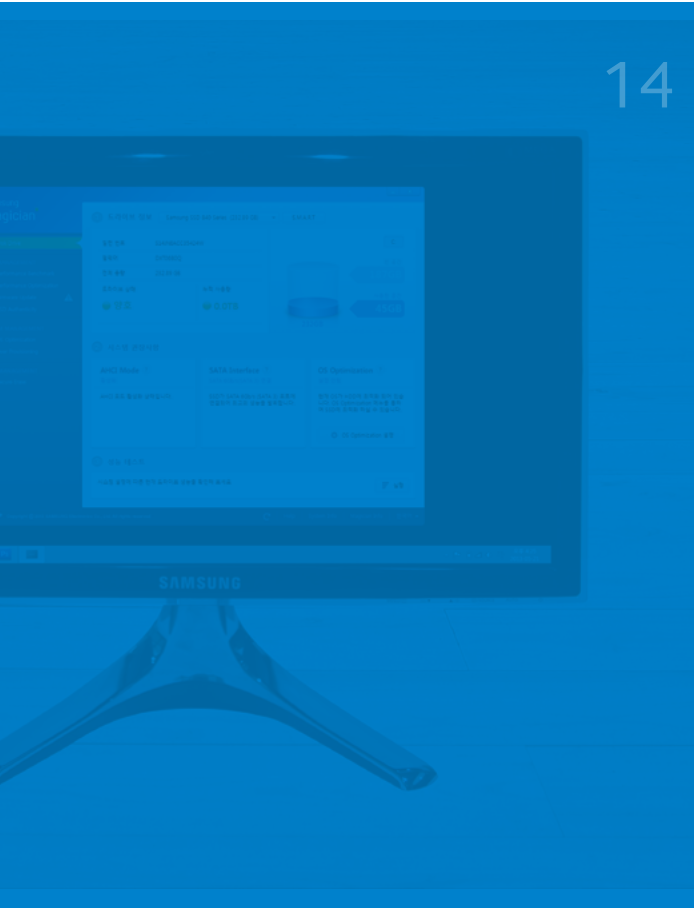Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ **Checking
SSD Mounting**

14

15

16

SSD Self-Install Photo Guide
for desktop computers

You can also download the program at the official Samsung SSD homepage.

You can also download the program and the guide at www.samsung.com/samsungssd
(SSD firmware, Magician software, Samsung Data Migration software)

Checking
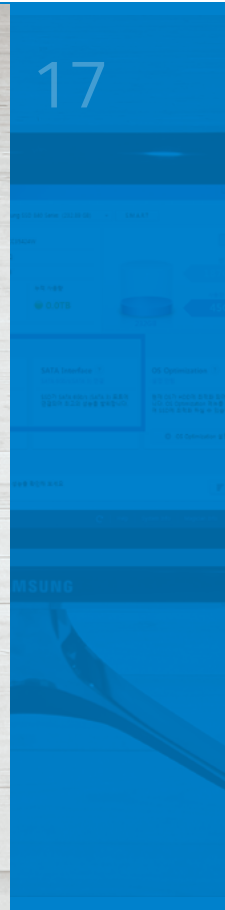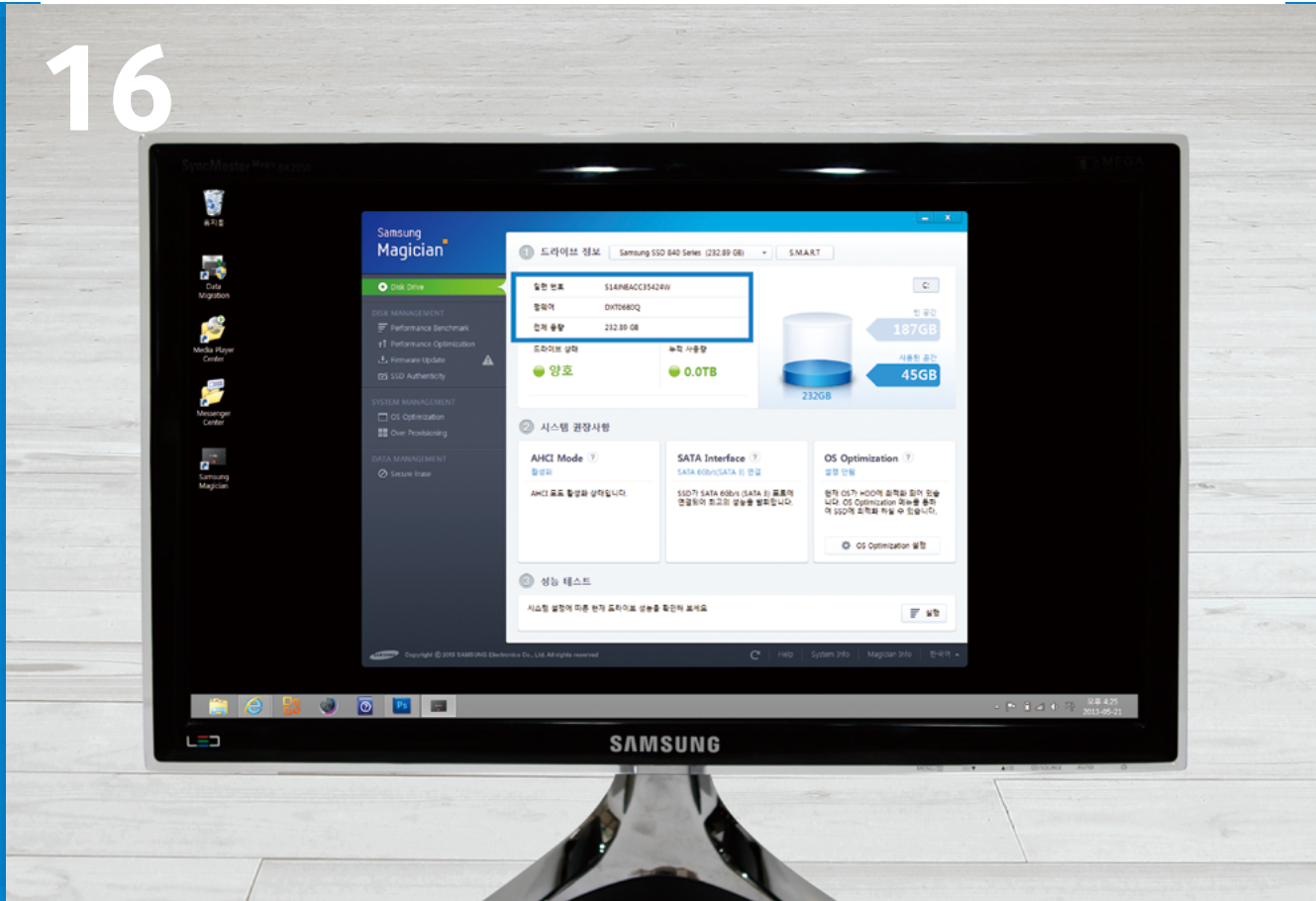the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ **Checking
SSD Mounting**

15

16

17

SSD Self-Install Photo Guide
for desktop computers

**After running the Magician program, verify that
the SSD has been detected correctly.**

Checking
the Product

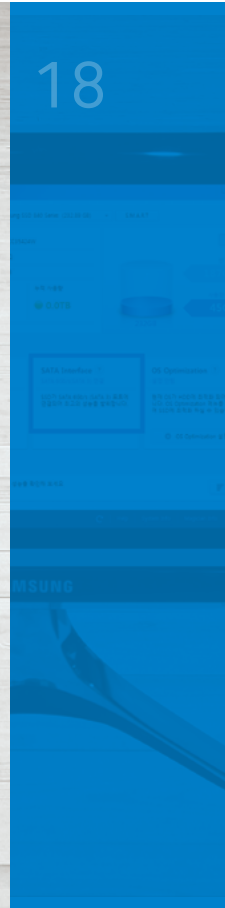Installing
the Program

Data
Migration

Mounting
the SSD

❯ **Checking
SSD Mounting**

16

17

18

SSD Self-Install Photo Guide
for desktop computers

Check the AHCI mode and SATA interface settings.

* If AHCI mode is enabled and the SSD is connected to SATA 3 as shown in the photo,
run OS Optimization setup (in the left menu).

* The SSD performs optimally when using AHCI mode and SATA 3.

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ Checking
SSD Mounting

17

18

19

SSD Self-Install Photo Guide
for desktop computers

If you are using SATA 2,
check whether your mainboard supports SATA 3.

* If SATA 3 is supported, turn off your computer and connect the SSD using SATA 3.

* If SATA 3 is not supported, proceed to the next step.

For more information, please contact the manufacturer of your mainboard.

Checking
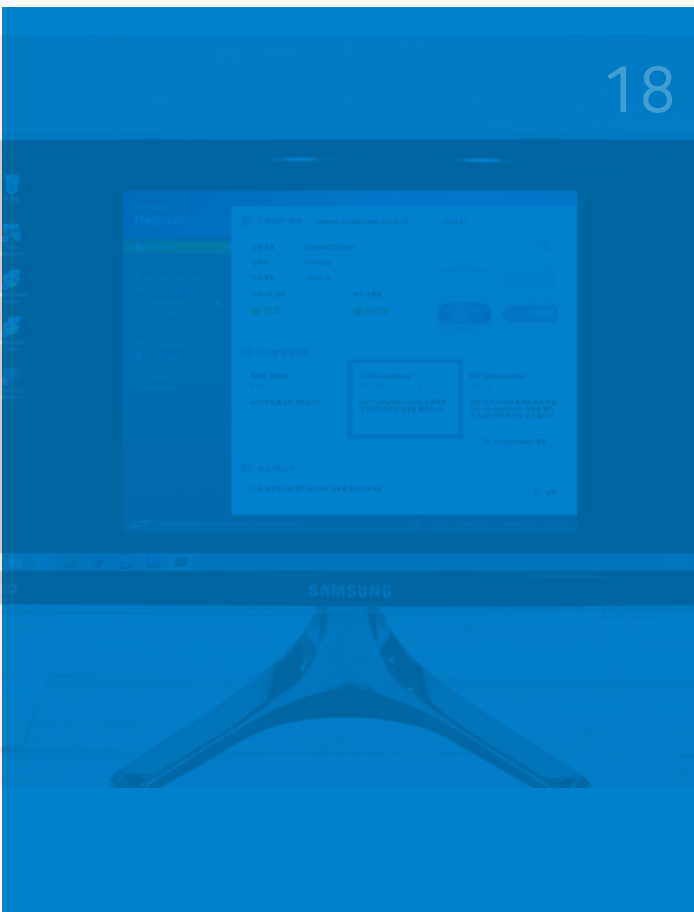the Product

Installing
the Program

Data
Migration

Mounting
the SSD

> Checking
SSD Mounting

18   19   20

SSD Self-Install Photo Guide
for desktop computers

After setup has completed, check OS optimization.

* Run performance benchmark and performance optimization from the left menu to ensure optimal performance.
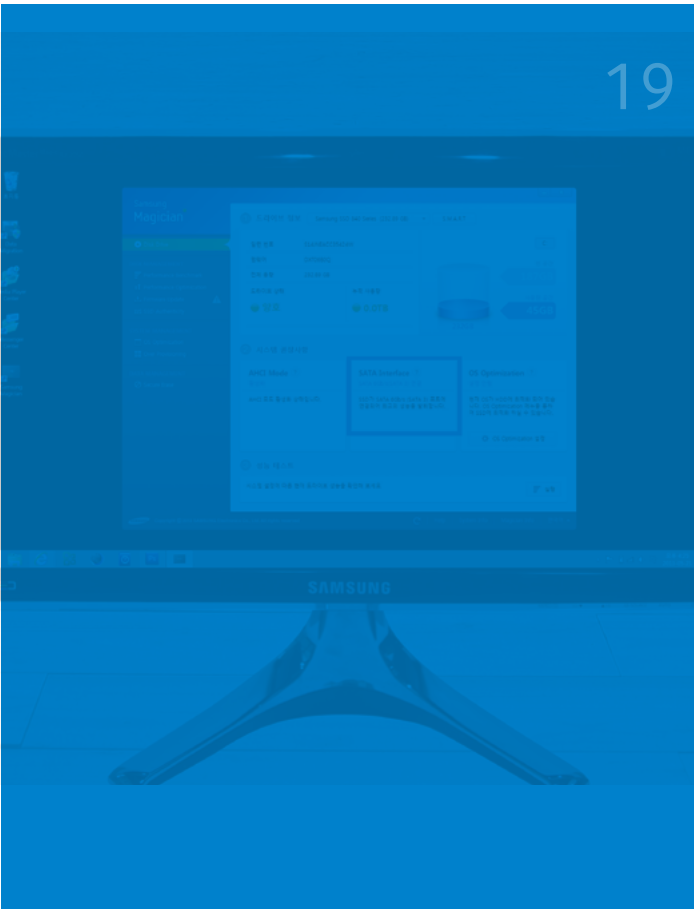* For more information, please refer to 'Help', located at the lower right corner.

Checking
the Product

Installing
the Program

Data
Migration

Mounting
the SSD

❯ Checking
SSD Mounting

19

20

SSD Self-Install Photo Guide
for desktop computers

Place the SSD sticker in a prominent location.

* The installation and optimization of the SSD is now complete.

Thank you.