

TOSHIBA



FW Update Tool

Installation Guide

Software Version 2.2

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Installation Technical Support

Toshiba does not warrant that this SSD Firmware Update Tool will complete firmware update for any and all of your system environments. If firmware update fails multiple times, please try the SSD firmware update operation on another system. If firmware update fails multiple times on other systems, please visit the customer support page on the web site.

Welcome!

This tool enables you to update firmware in your SSDs.

Key features

FW Update Tool enables you to:

- Update SSD firmware
- Secure Erase SSD to render data inaccessible

For more details of FW Update Tool features, see FW Update Tool Features on page 6.

System requirements

Supported SSDs include:

- TOSHIBA SSD A100

Supported operating systems:

- Windows® 10 Version 1607, Windows® 8.1, Windows® 7



CAUTION: before you start, make back-up copies of any data on the SSD that you want to keep; some operations result in the complete loss of data on the SSD (you may be during such operation if this will happen).



Before using FW Update Tool:

- Set the SATA controller to AHCI mode in the motherboard BIOS; for instructions see the user documentation for your computer
- You must run FW Update Tool as an administrator

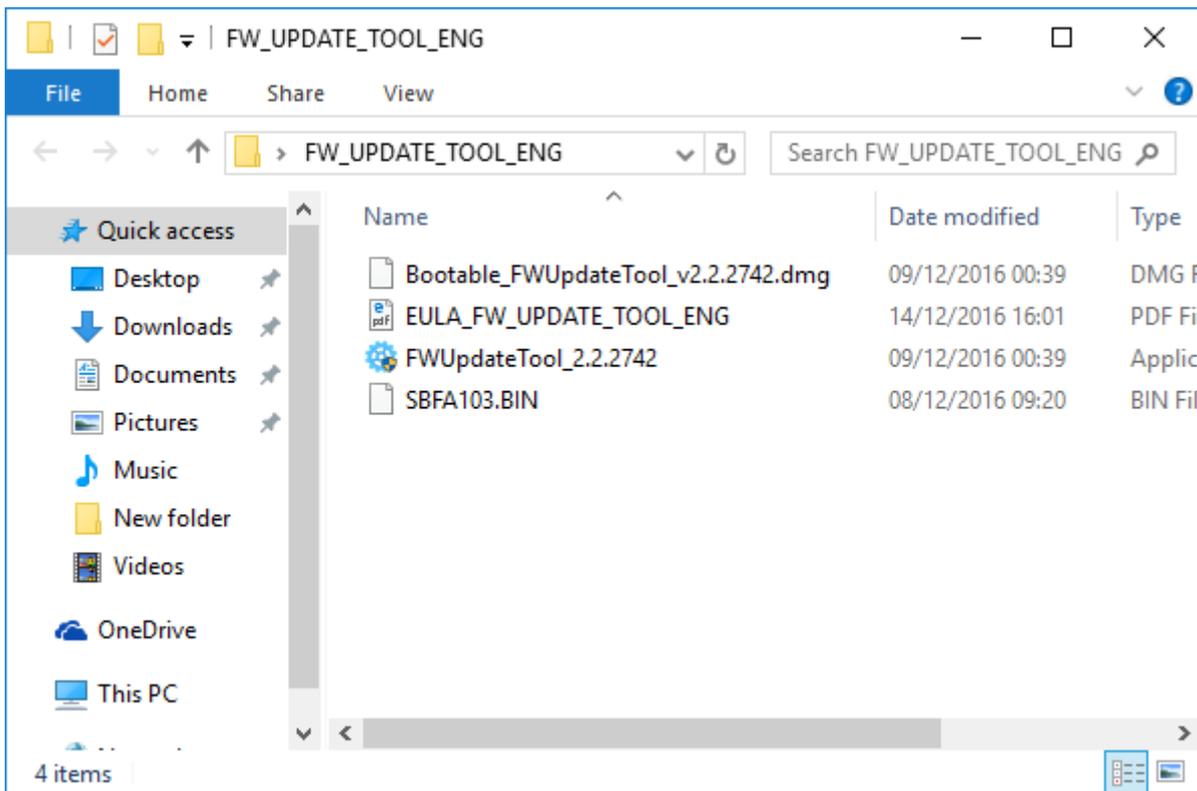
Installing FW Update Tool

This guide assumes that you have already correctly installed your SSDs. You can:

- Install FW Update Tool
- Create a bootable USB flash drive. This enables you to do some things that you cannot do from within your operating system. For example, for some SSDs you cannot update the firmware if it is the system boot drive

Install FW Update Tool in Windows® Operating System

Windows® operating system – extract the compressed file.



Create a bootable USB flash drive

You can use a USB flash drive to create a standalone bootable version of FW Update Tool, which can be used on your Windows® operating system and start FW Update Tool.



CAUTION: before you start, make back-up copies of any data on the SSD that you want to keep: any data on the flash drive is erased during this operation.

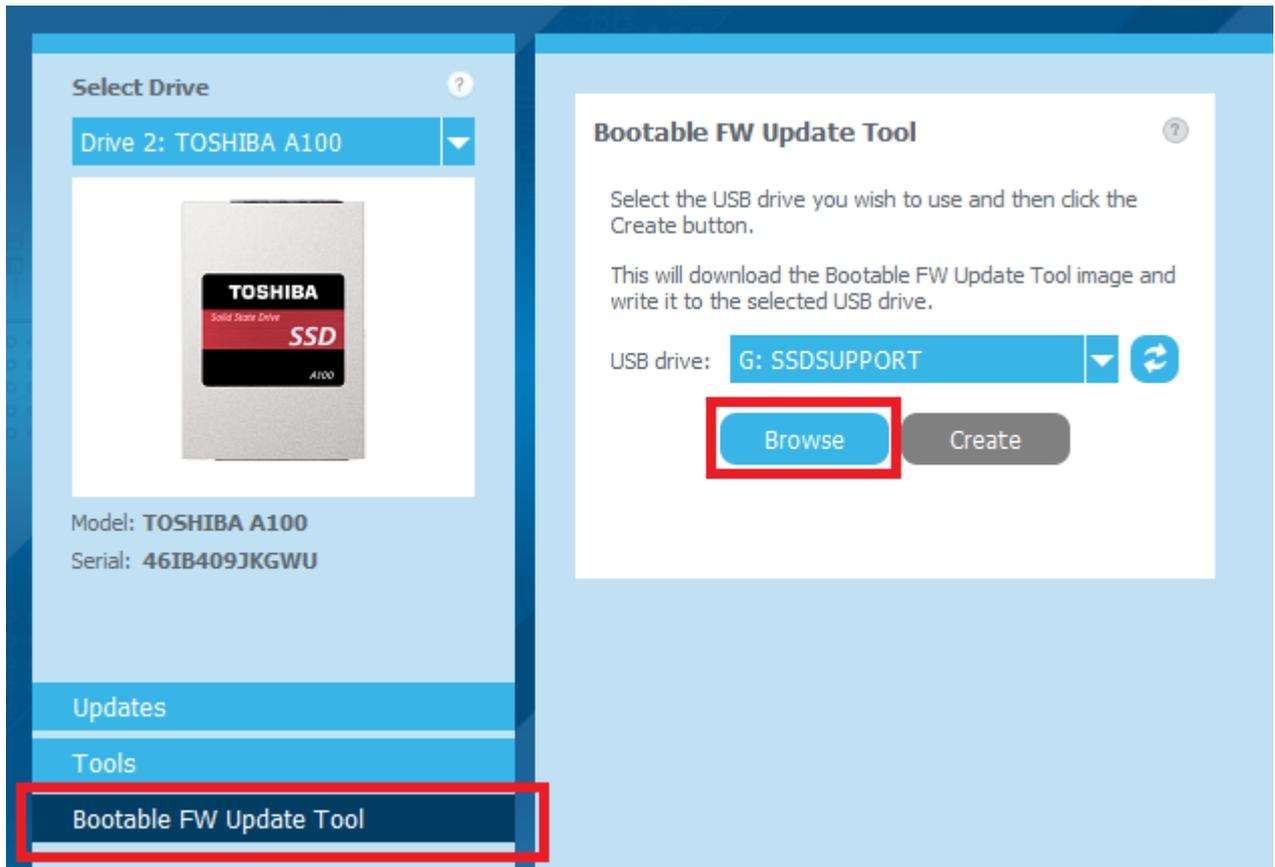
The USB drive is automatically formatted as FAT32, which ensures that any files saved onto the drive can be easily read from any Windows® operating system.

Bootable FW Update Tool

To create a bootable version of FW Update Tool on a USB flash drive in **Windows® operating system**, run this FW Update Tool software.

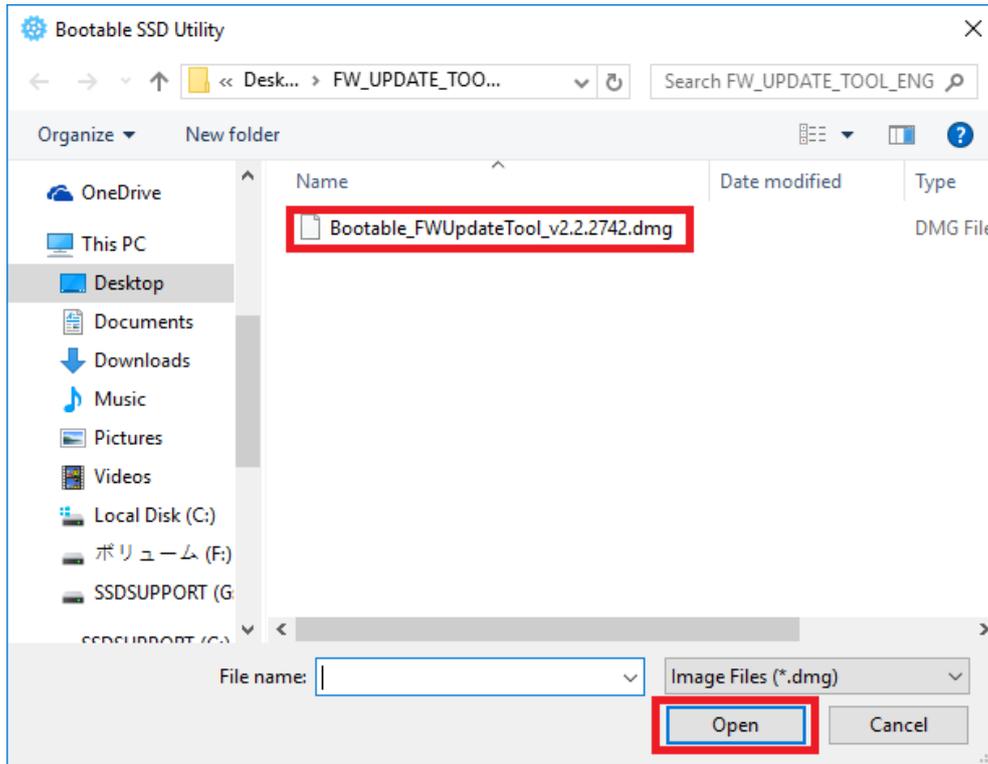
Prepare a USB memory of 512MB or more when creating bootable USB.

- 1 Click “Bootable FW Update Tool” on task list
Click “Browse”.

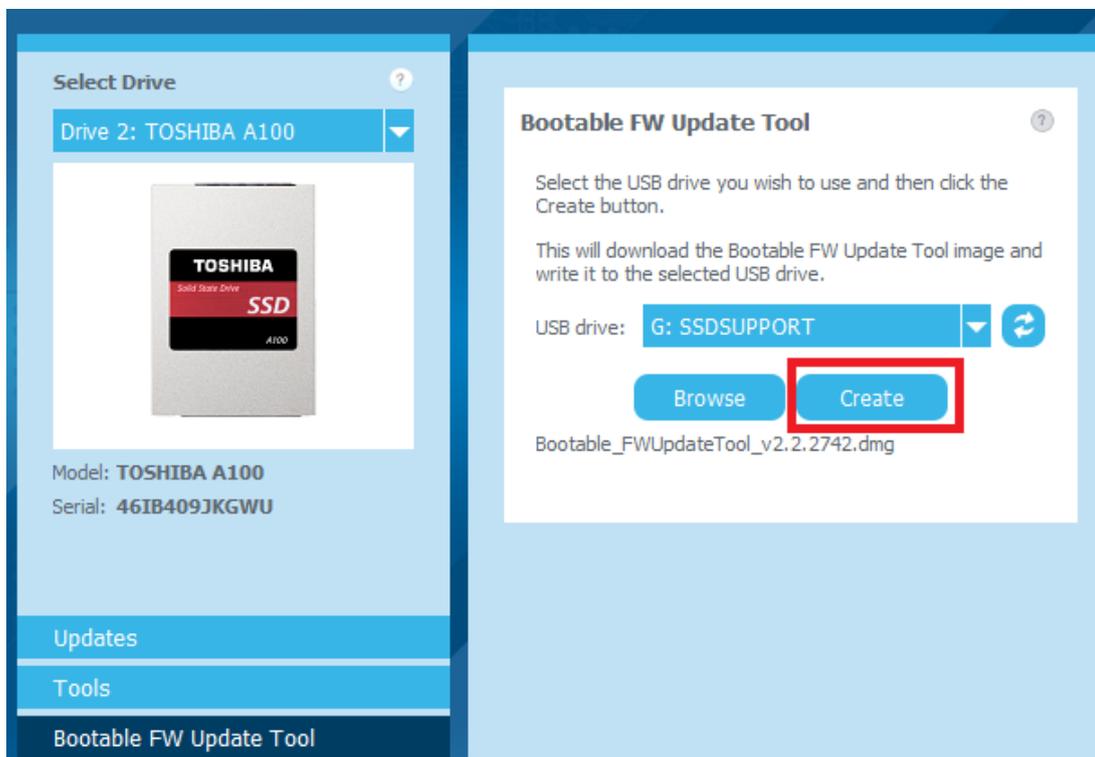


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- 2 Select Bootable FWUpdateTool_vx.x.xxxx.dmg.
Click “Open”

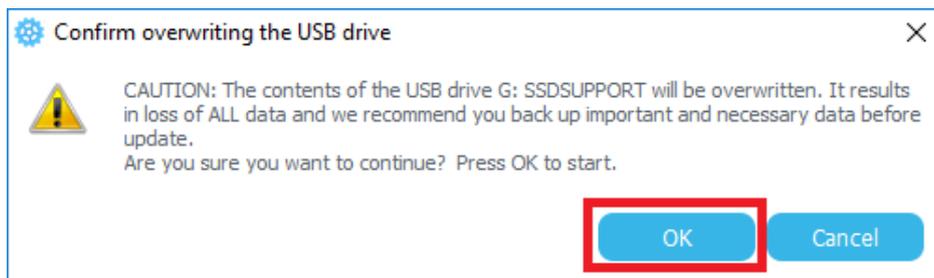


- 3 Click “Create”

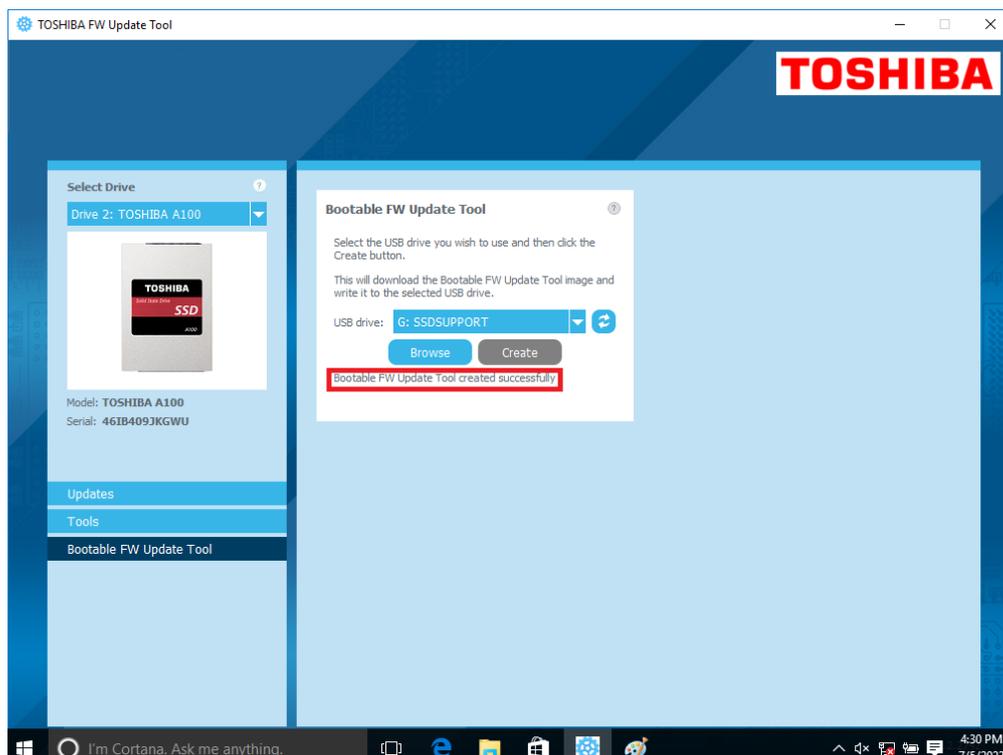


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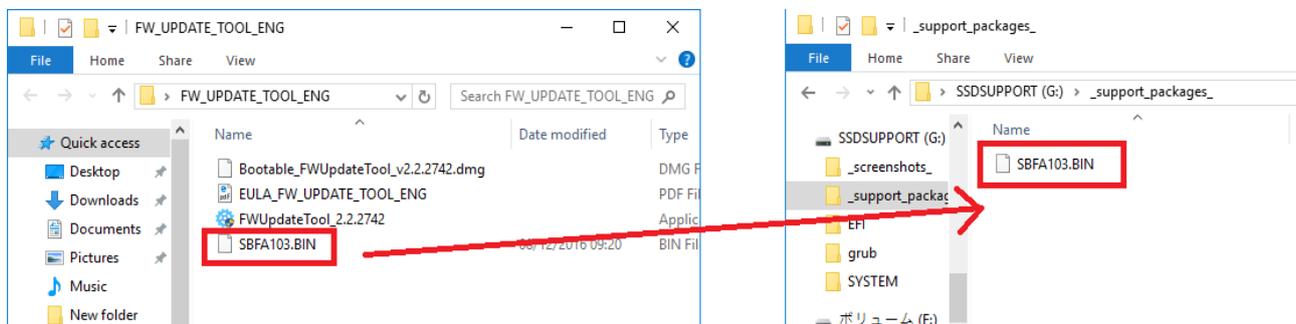
4 Click "OK".



5 Bootable FW Update Tool created successfully



6 Copy firmware (.bin file) to "_support_packages_" folder on Bootable USB



7 Complete to prepare firmware update

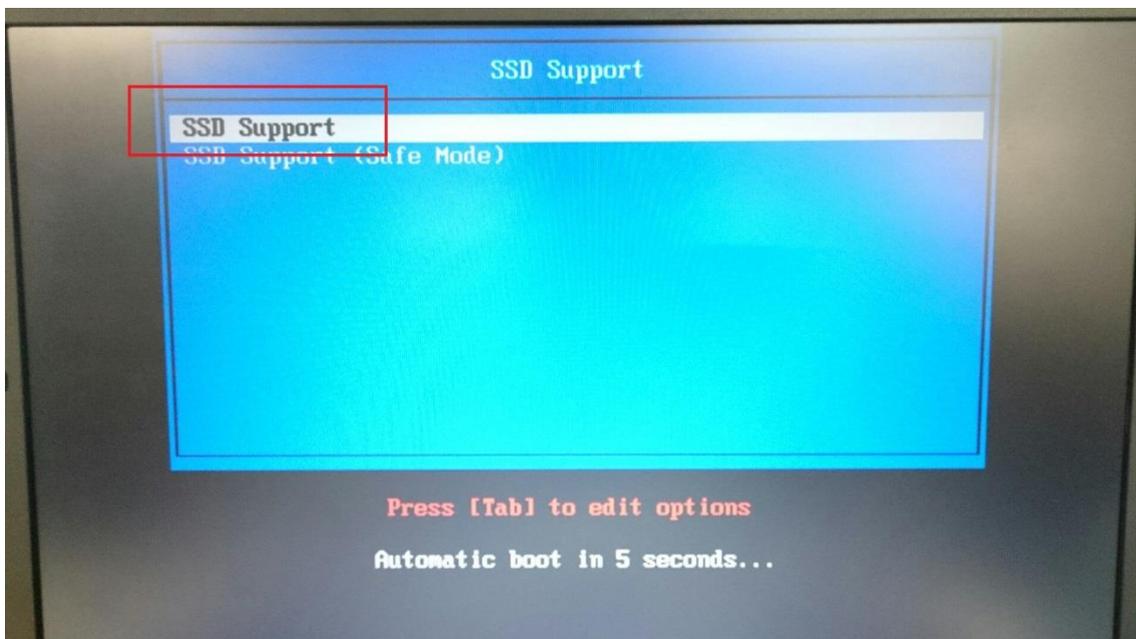
Start FW Update Tool

Windows® operating system

Navigate to the folder you uncompressed FW Update Tool to and double click the executable.

Windows® operating system bootable media

- 1 Insert your USB flash drive into your system, then restart your system.
- 2 Set your BIOS to boot from your USB flash drive; see the relevant user documentation for your system. If your BIOS supports both UEFI and legacy boot, select legacy boot first. You should use UEFI boot if you experience any problems with legacy boot.
- 3 At the start of the boot process, a menu is shown with the options SSD Support and SSD Support (Safe Mode). After a few seconds **SSD Support** is automatically selected, you should not select SSD Support (Safe Mode).



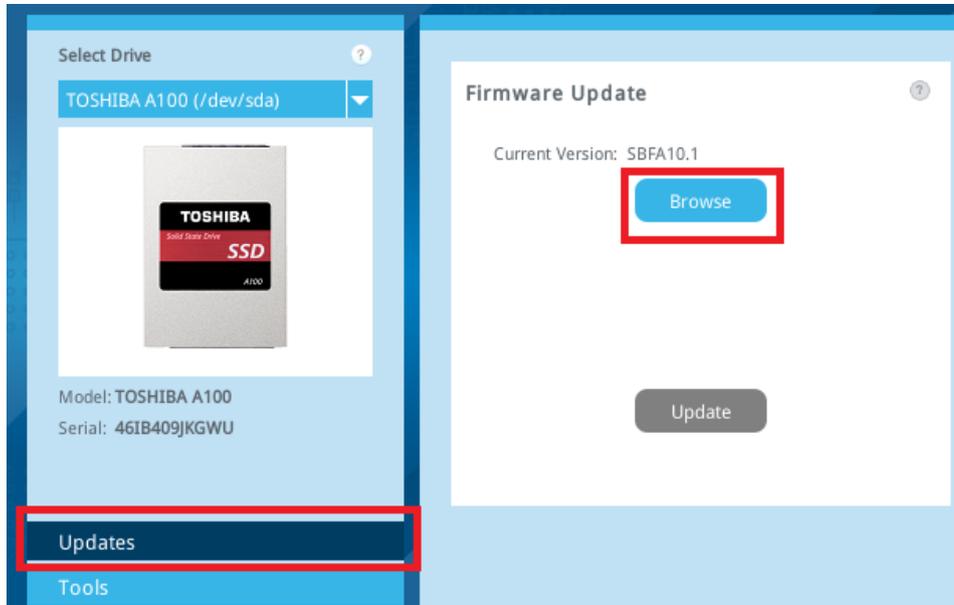
- 4 Once the system has booted, FW Update Tool automatically starts; see UI overview on Page 4.



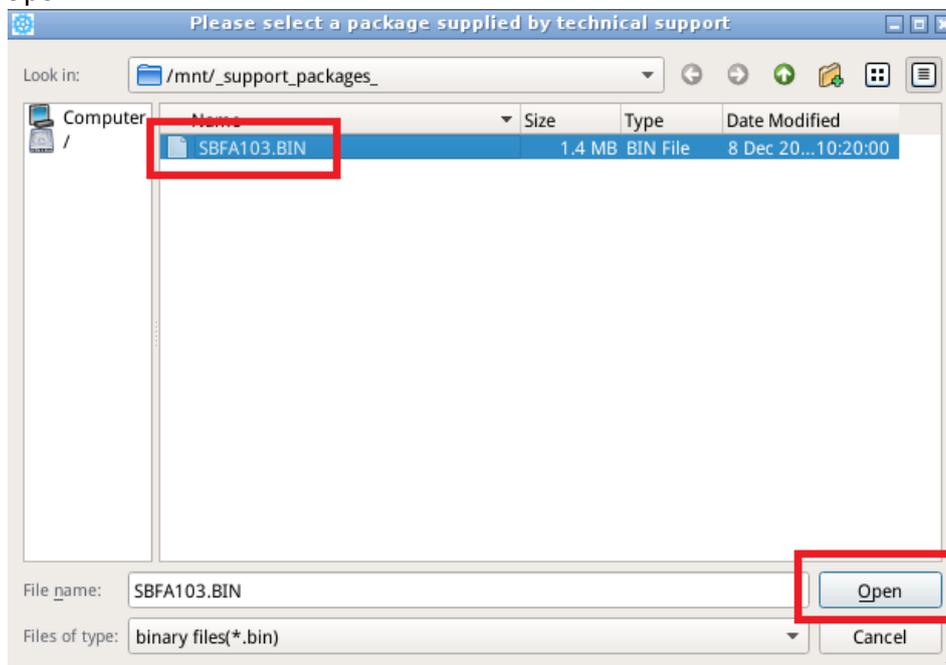
If your computer fails to boot correctly after step 3, repeat the steps but select **SSD Support (Safe Mode)**. The same functionality is available, but your system runs at a lower graphics resolution.

FW update

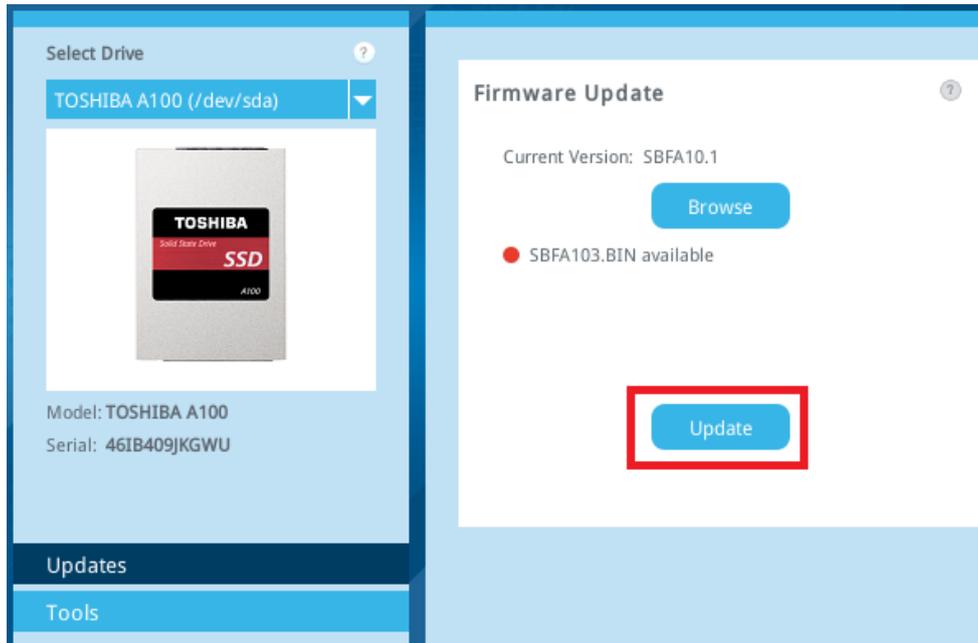
- 1 Click "Updates" on task list.
Click "Browse".



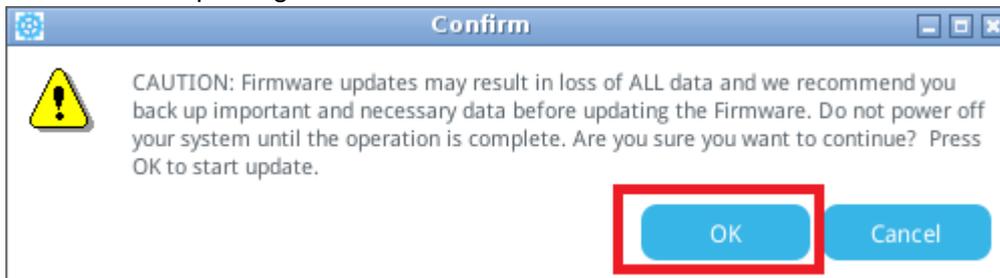
- 2 Select "SBFA103.BIN".
Click "Open".



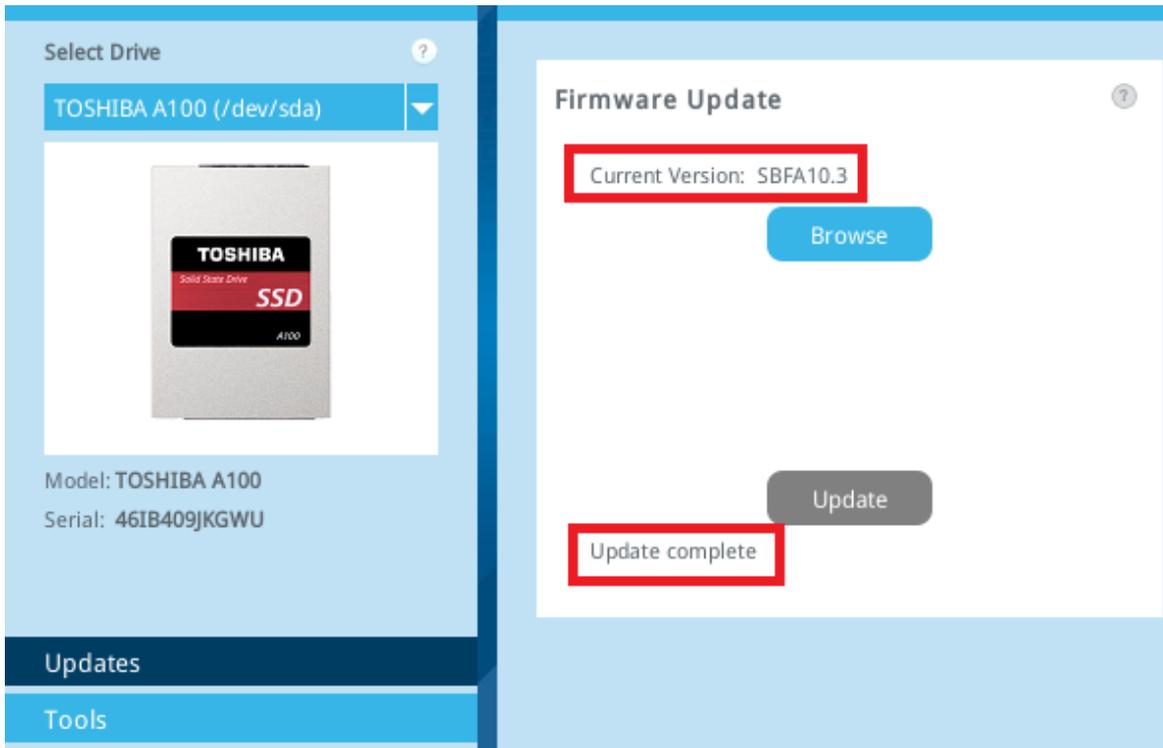
- 3 Click "Update".



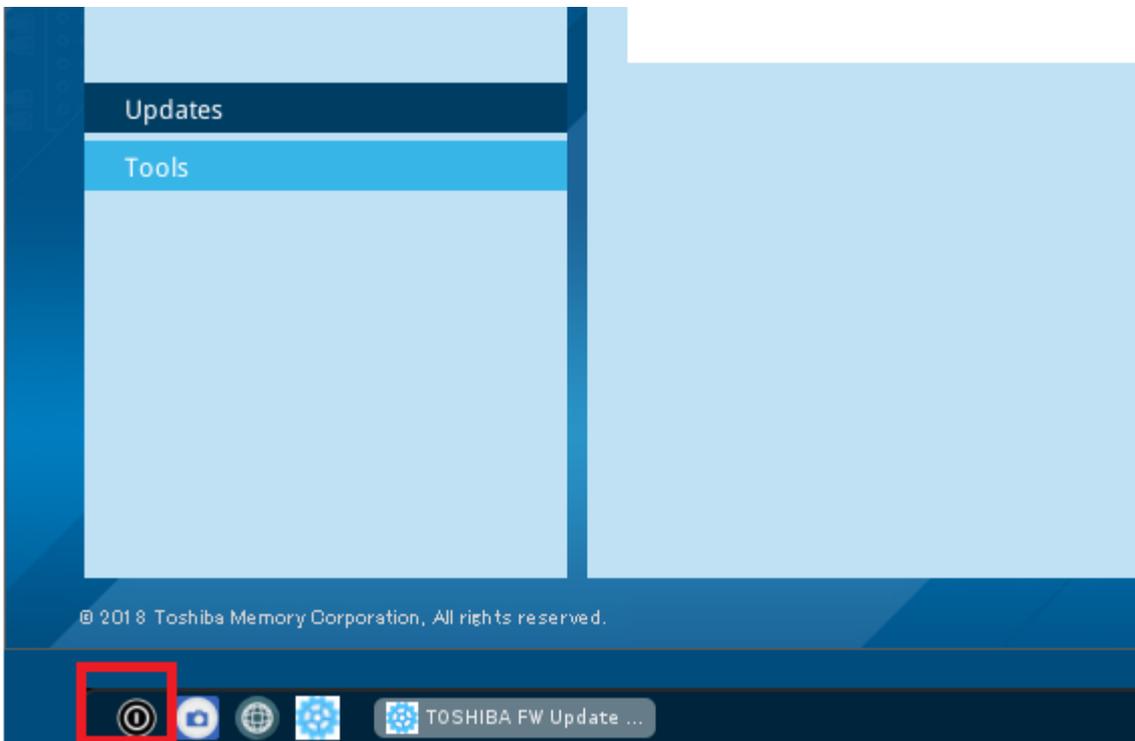
- 4 Click "OK".
Start the firmware updating.



5 Complete the firmware updating.

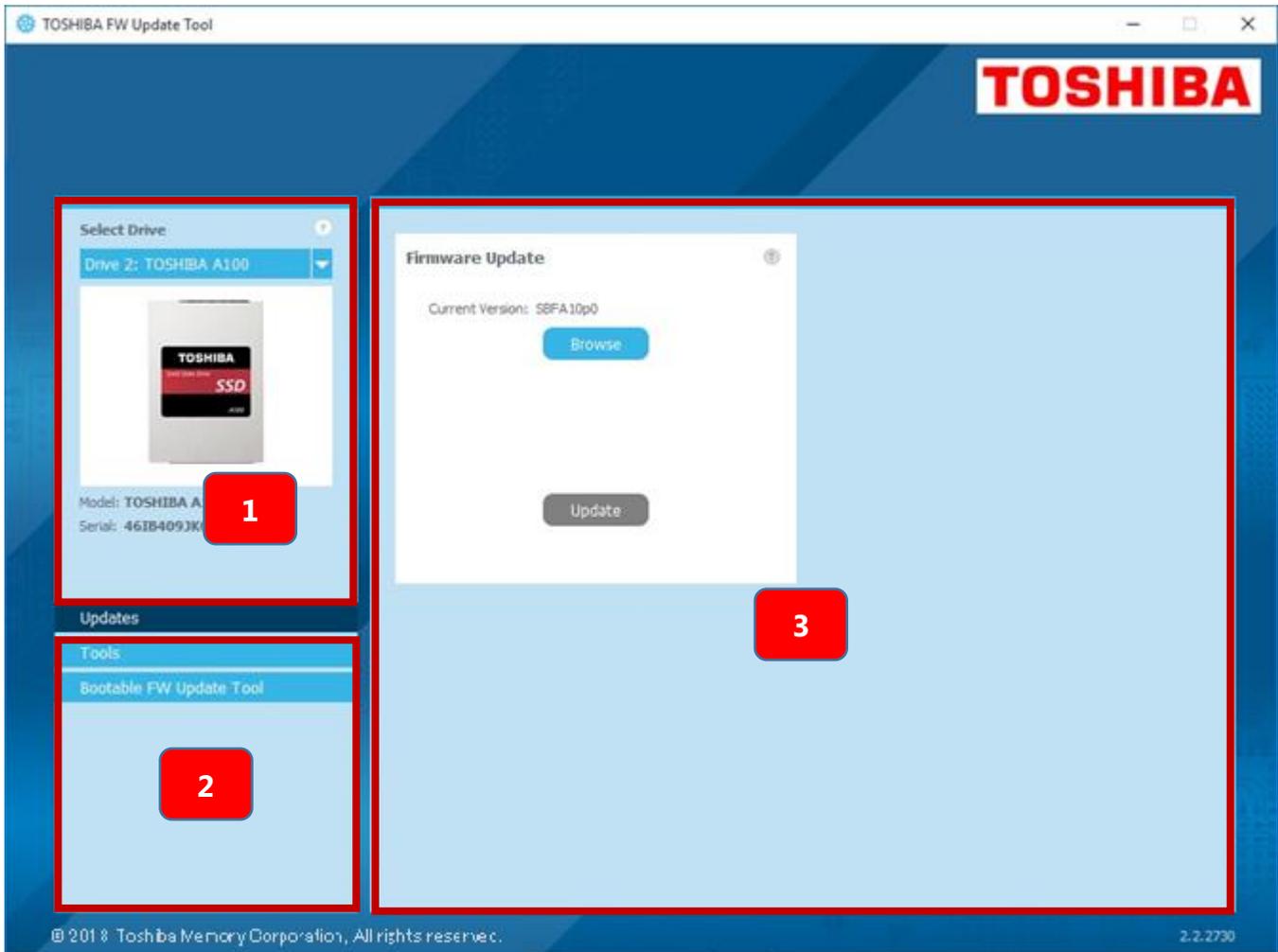


6 Shut down your system.



UI overview

The FW Update Tool window is divided below.



- 1 select drive list – a list of SSDs attached to the current computer. If you only have one SSD attached to your computer, it is automatically selected. When you have more than one SSD attached, ensure that you select the SSD you want before you click an option in the options bar.
- 2 task list – tasks you can carry out; task status information
- 3 main pane – displays information you request, or fields for a task

Bootable FW Update Tool task bar

The bootable FW Update Tool shows a task bar at the bottom of the screen, with the following icons;

-  **shut down** your system
-  take a **screenshot**. This is automatically saved to the **screenshots** folder on the USB flash drive

Uninstall FW Update Tool

To uninstall from Windows® operating system, delete the application executable file from your computer.

To remove FW Update Tool from your bootable USB drive:

- 1 Insert the USB drive into a Windows® operating system computer.
- 2 Reformat the USB drive, which enables you to access the full drive capacity.

FW Update Tool Features

FW Update Tool supports the features in the following table, listed by their location in the user interface. Only the features supported by the selected drive are available. If you have more than one supported SSD, then options apply to the drive in the **Select Drive** list. To access the features that can apply to more than one drive, select **All Drives** from this list.

To view instructions for a task or information about what is shown in a pane,  click. The Help is shown in a separate window that you can move, scroll through and close when finished.

Task	Feature
Updates	Firmware Update – for a selected drive, update SSD firmware from a local file.
Tools	Secure Erase – render the data on your SSD inaccessible. Overwrite – Overwrite to physically erase the data in the user-accessible area of your SSD.
Bootable FW Update Tool	Create a bootable USB flash drive from which you can run FW Update Tool