



MELTDOWN AND SPECTRE  
VULNERABILITIES – INTEL  
MICROPROCESSOR SIDE-CHANNEL  
UPDATER

TSB 3042-00

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## **MELTDOWN AND SPECTRE VULNERABILITIES – INTEL MICROPROCESSOR SIDE-CHANNEL UPDATER**

**This document is a step-by-step process on how to apply the update to help mitigate the associated effects of Meltdown and Spectre vulnerabilities.**

**These vulnerabilities can be used to read the content of memory across a trusted boundary and can therefore lead to information disclosure (“ADV180002 | Guidance to mitigate speculative execution side-channel vulnerabilities”, 2019).**

**The update will help get all available protections, firmware (microcode) and software required updates. This may include microcode from device OEMs and in some cases updates to Antivirus (AV) software as well (“ADV180002 | Guidance to mitigate speculative execution side-channel vulnerabilities”, 2019).**

**For more detailed information refer to the following websites:**

### **Microsoft**

**<https://support.microsoft.com/en-us/help/4073757/protect-windows-devices-from-speculative-execution-side-channel-attack>**

**<https://portal.msrc.microsoft.com/en-US/security-guidance/advisory/ADV180002>**

### **Intel**

**<https://www.intel.com/content/www/us/en/security-center/advisory/intel-sa-00088.html>**

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## BEFORE YOU START THE INSTALLATION PROCESS

1. Ensure that you have installed all the latest Microsoft® Windows Operating Systems and Security Updates. For help verifying your OS is up to date, refer to the following article from Microsoft.

<https://support.microsoft.com/en-us/help/4027667/windows-update-windows-10>

2. Ensure that your Blade is plugged into a wall outlet and not running on battery alone before proceeding.
3. Save any open documents on your computer and close all other programs before attempting this update.
4. Proceed to download the correct firmware below.

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## APPLICABLE MODEL NUMBERS

RZ09-01662	Razer Blade Pro 17" (2016)	<a href="http://rZR.to/ZzZRm">http://rZR.to/ZzZRm</a>
RZ09-01663	Razer Blade Pro 17" (2017)	<a href="http://rZR.to/iRHFx">http://rZR.to/iRHFx</a>
RZ09-02202	Razer Blade Pro 17" (2017) – Full HD – GTX 1060	<a href="http://rZR.to/wqkNp">http://rZR.to/wqkNp</a>
RZ09-01682	Razer Blade Stealth 12.5" (2016) - Intel 6500U	<a href="http://rZR.to/BEDXa">http://rZR.to/BEDXa</a>
RZ09-01962	Razer Blade Stealth 12.5" (2016) - Intel 7500U	<a href="http://rZR.to/DADsV">http://rZR.to/DADsV</a>
RZ09-01963	Razer Blade Stealth 13" (2017) - Intel 7500U	<a href="http://rZR.to/FDeUr">http://rZR.to/FDeUr</a>
RZ09-01964	Razer Blade Stealth 13" (2017) - Intel 7500U	<a href="http://rZR.to/FDeUr">http://rZR.to/FDeUr</a>
RZ09-02393	Razer Blade Stealth 13" (2017) - Intel 8550U	<a href="http://rZR.to/oAzBE">http://rZR.to/oAzBE</a>
RZ09-02394	Razer Blade Stealth 13" (2017) - Intel 8550U	<a href="http://rZR.to/oAzBE">http://rZR.to/oAzBE</a>
RZ09-01652	Razer Blade 14" (2016) - GTX970M	<a href="http://rZR.to/dLexD">http://rZR.to/dLexD</a>
RZ09-01952	Razer Blade 14" (2016) - Intel 6700HQ - GTX1060	<a href="http://rZR.to/gGhut">http://rZR.to/gGhut</a>
RZ09-01953	Razer Blade 14" (2017) - Intel 7700HQ - GTX1060	<a href="http://rZR.to/uXGxl">http://rZR.to/uXGxl</a>

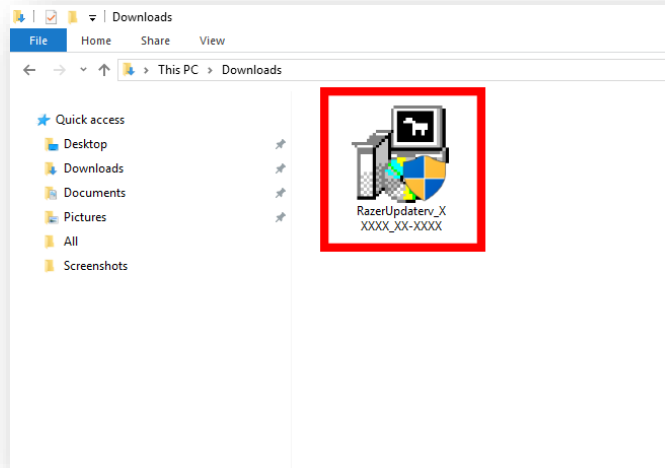
**Note: The model number of your Blade can be found underside of it as shown below:**



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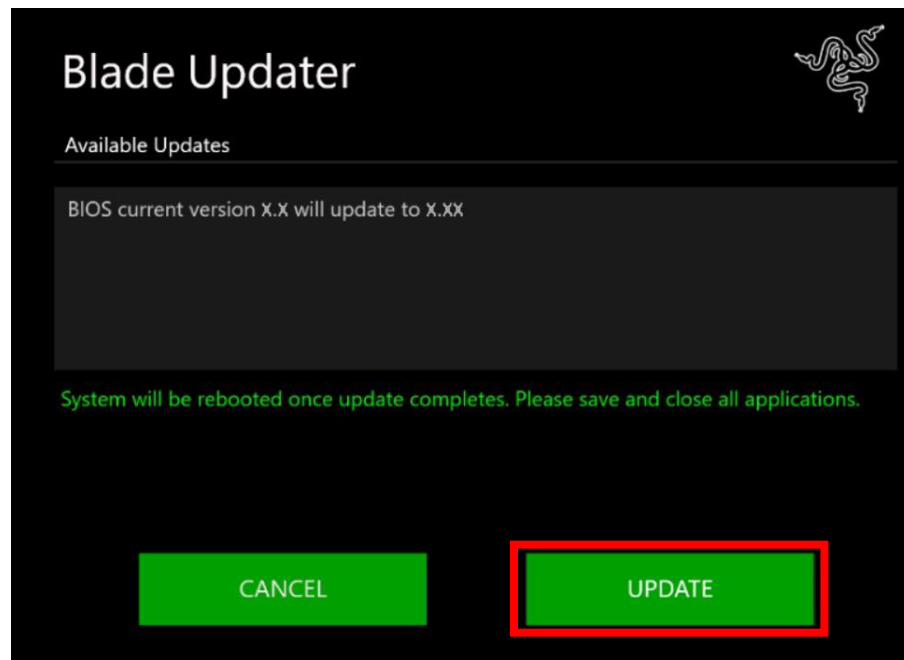
## INSTALLATION PROCESS

1. Click on the updater file located in your chosen download location to begin the update process.



2. The User Account Control window may pop up to confirm changes that will be made by the application. Click “Yes” to allow the Razer Updater application to launch.
3. The Blade Updater window will appear with details regarding your current update version and the version your Razer Blade laptop will be updated too.

4. Click "UPDATE" to initiate the update process of your Razer Blade laptop. You may lose control of your mouse and keyboard during the updating process. You will also not be able to proceed if you already have the latest software installed.



5. A progress bar will appear indicating the status and progression of the installation process. During the install process, you will not have access to other applications. This update may take 15 minutes or longer to complete. Do not interrupt the installation process.
6. Once the progress bar reaches 100% completion, your Razer Blade will restart automatically. No further action or steps are required after the progress bar reaches 100%. Once your Blade has restarted your system will be updated.