

# Intel® Turbo Boost Technology Monitor 2.0 Software

## Production Version 2.1.23.0

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# Intel® Turbo Boost Technology Monitor 2.0 v2.1 Release Notes

## Brief Description

The Turbo Boost Technology Monitor 2.0 is a Microsoft Windows® application that displays processor frequency changes including Intel Turbo Boost Technology frequencies

## Package Contents

The following files are included in this release.

<b>File Name</b>	<b>Components</b>
TurboBoost Monitor SW License 10072010.pdf	General License agreement
Setup.exe	Unified 64-bit and 32-bit installer
Turbo Boost Monitor 2.0 Release Notes v2.1.pdf	This Document

## Supported Operating Systems

Microsoft Windows 7 32bit & 64bit editions.

## Supported Processors

Intel® Core™ i7 Extreme Processor

Intel® Core™ i7 Processor

Intel® Core™ i5 Processor

## Supported languages

1. **ENGLISH**
2. **CHINESE SIMPLIFIED**
3. **CHINESE TRADITIONAL**
4. **CZECH**
5. **DANISH**
6. **Dutch**
7. **FRENCH**
8. **Finnish**
9. **GERMAN**
10. **Greek**
11. **Hungarian**
12. **Italian**
13. **Japanese**
14. **Korean**
15. **Norwegian**
16. **PORTUGUESE (BRAZIL)**
17. **PORTUGUESE (PORTUGAL)**

- 18. RUSSIAN
- 19. SPANISH
- 20. THAI
- 21. Turkish

## Installation Instructions

1. Regular Installation
  - a. Copy the file setup.exe to your system.
  - b. Double click on setup.exe. Accept the UAC prompt, if one appears.
  - c. Follow the installer prompt instructions to complete installation.
2. Silent Installation
  - a. Execute the setup file via the command line:  
`setup.exe /s /v"/qn AGREE_TO_LICENSE=Yes"`

## Determining the installed version

To determine the version of the Intel® Turbo Boost Technology Monitor that is installed on the system, open the file properties of the TurboBoost.exe file located in \Program Files\Intel\TurboBoost. Alternatively, go to Control Panel and click on “Programs and Features” and locate “Intel® Turbo Boost Technology Monitor 2.0”. The version will be displayed here.

## New Features

Features Added in Intel® Turbo Boost Technology Monitor 2.0 v2.1	
Reference No.	Title / Description
NA	Included support for 2 <sup>nd</sup> Generation Intel® Core™ Dual Core processor
NA	Animated notification of Turbo Boost Technology activity when minimized to task tray
NA	Additional language support. Please refer to list above
NA	Size optimized for web download. Will be available from Intel.com/support in Jan'11

## Known Issues

Reference #	Description
5878	Changing PC monitor resolution while application is closed can cause it to be displayed off-screen when started again. This may occur when going from a large to small resolution, and only if the application is closed (e.g. application restarts). <b>Workaround:</b> Minimize and restore the application, or, close and re-launch the Turbo Boost Technology Monitor application.

Reference #	Description
5333	<p>"Reinstall using recommended settings" after installation failure causes "Invalid Operating System" dialog error.</p> <p><b>Workaround:</b> Rename the install executable Setup.exe to a different name (e.g. Setup2.exe) then re-launch the install.</p>
5734	<p>User running under the "Guest" account can launch two instances of UI.</p> <p><b>Workaround:</b> None. Expected behavior.</p>
4741	<p>User Account Control digital signature warning shows on uninstall.</p> <p><b>Workaround:</b> Non-critical warning, click "This program installed correctly" to continue.</p>
5691	<p>If Intel® Turbo Boost Technology is disabled in system BIOS, no Turbo Boost activity appears in the application. This is expected behavior.</p> <p><b>Workaround:</b> Enable Intel Turbo Boost Technology in the system BIOS.</p>
5716	<p>Intel® Turbo Boost Technology Monitor can run with elevated privileges if installed with administrative privileges.</p> <p><b>Please note:</b> Note that the app settings are used of the admin account credentials given to the UAC prompt. Settings for the standard user will be set once the app is closed and opened again.</p> <p><b>Workaround:</b> None</p>

## Resolved Issues

Reference #	Description
5858	<p>Installer on localized OS displays EULA in English</p> <p><b>Fix:</b> EULA is displayed in the localized language on supported languages</p>

# OEM Appendix

## OEM Installation Instructions

The software can be installed in factory mode to support sysprep or a multiple reboot OS build cycle. In factory mode, the software (driver, service, UI) will not automatically start. To install the software in factory mode, execute the command line:

```
setup.exe /S /V"MODE=factory /qn AGREE_TO_LICENSE=Yes"
```

To remove the software from factory mode, delete the registry key:

```
HKEY_LOCAL_MACHINE\SOFTWARE\Intel\TurboBoost\FactoryMode
```

To install the software without factory mode, execute the command line:

```
setup.exe /S /V"/qn AGREE_TO_LICENSE=Yes"
```

## OEM Software Options

After a factory mode installation or while the application is not running, software options may be configured through the registry. All registry configuration keys are under the location:

```
HKEY_LOCAL_MACHINE\SOFTWARE\Intel\TurboBoost\
```

Registry Key	Type	Value	Description
IsAlwaysOnTop	REG_SZ	"False"	Intel Turbo Boost Monitor window is always <b>(Default)</b>
		"True"	Window may be occluded by windows placed in the same location.
CurrentWindowDimensions	REG_SZ	"378,400"	Large window <b>(Default)</b>
		"279,296"	Medium window
		"128,135"	Small window
			Only the above values are validated and approved for use by Intel.
WindowLocation	REG_SZ	"X,Y"	"X,Y" is the screen coordinate where "0,0" is the top left of the screen.  <b>(Default)</b> On initial execution, the software will position itself on the top-right of the screen.