Preface

Software & Application User Guide

G52-XXXX1HG

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Revision History

Revision	Revision History	Date
V3.0	First release	2014/03

Technical Support

If a problem arises with your system and no solution can be obtained from the user's manual, please contact your place of purchase or local distributor. Alternatively, please try the following help resources for further guidance.

Visit the MSI website for technical guide, BIOS updates, driver updates, and other information:
http://www.msi.com/service/download/

Contact our technical staff at:
http://register.msi.com/

About this guide

This Software Application Guide describes how to use the software applications that come with the MSI's motherboards. Each chapter describes one of the software applications. It can help you to operate easily when you use the advanced software applications designed by MSI.

Your motherboard may only supports some applications, please refer to the specification on the motherboard user guide.

- **Command Center** - this chapter describes Command Center overview, how to monitor your motherboard hardware, read CPU, memory information and use Command Center to overclock the system.
- **Sound Blaster Cinema 2** - this chapter describes how to active enhancement features and select profiles on Sound Blaster Cinema 2.
- **Killer Network Manager** - this chapter describes how to test and configure bandwidth on Killer Network Manager.
- **Live Update 6** - this chapter describes Live Update 6 overview, and how to update your system.
- **Network Genie** - this chapter describes system requirement of Network Genie, how to select network mode and set applications priority.
- **Super Charger** - this chapter guides you with Super-Charge to charge your iPad, iPhone and iPod.
- **Smart Utilities** - this chapter describes how to use Smart Utilities for enabling Intel® Rapid Start Technology, Intel® Smart Response Technology and Intel® Smart Connect Technology.
- **Gaming App** - this chapter describes how to switch between OC mode, Gaming mode and Silent mode in Gaming App.
- **ECO Center** - this chapter describes how to power off components on the motherboard with ECO Center.
- **XSplit Gamecaster** - this chapter describes how to register an XSplit account, stream and record your gameplay.

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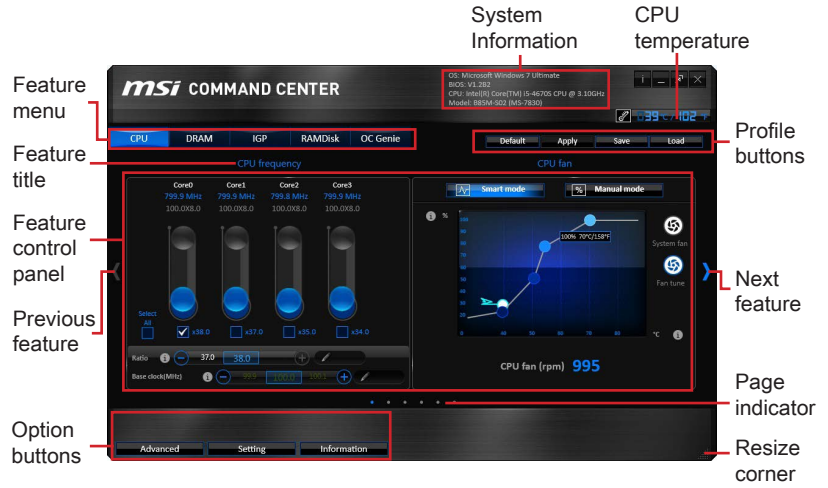
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Command Center

Command Center is an user-friendly software and exclusively developed by MSI, helping users to adjust system settings and monitor status and under OS. With the help of Command Center, making it possible to achieve easier and efficient monitoring process and adjustments than that under BIOS. In addition, the Command Center can be a server for mobile remote control application.

Overview and Operation

After installing and activating Command Center, you can click on each feature name (CPU, DRAM, GPU, OC Genie) to switch into particular feature view for necessary setting controls. You can also click the left or the right arrow icons on the sides of the Command Center to scroll to the previous or next control panel.

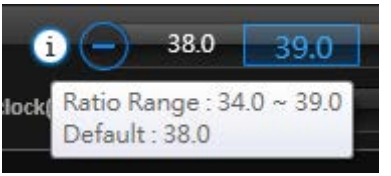


Important

The pictures in this guide are for reference only and may vary from the product you purchased. Please refer to the actual screens of your system for detailed information.

Default Value

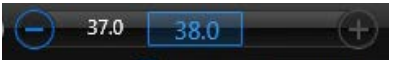
When you click the information icon on the panel, a pop-up message will show, indicating the allowed range and the default value.



Changing Value

Each control panel has different way to change values. The following describes how to control.

▸Plus and minus buttons



You can click the plus or minus button to increase or decrease the value.

▸Slider



You can drag the slider left or right to decrease or increase the value.

▸Knob



You can rotate the knob clockwise or counter clockwise to increase or decrease the percentage.

▸Enter value



You can enter a value directly in the text field.

Profile Buttons

You can use profiles buttons to apply changes, reset to default, save and load profiles.



▸**Default button** - Load the default setting values for the current feature.

▸**Apply button** - After changing values on Feature control panel, you must click the "Apply" button to apply your changes.

▸**Save button** - When you click the "Save" button A dialogue window will appear that allows you to select the location on your computer to save the file. Setting values of each feature will be stored in the file with individual file extension.

▸**Load button** - Load the setting values from the file.

Important

Every time you shut down the system, the configured setting will be restored to the factory default. If you want to use the saved settings, you have to load it every time by clicking the "Load" and "Apply" buttons.

Resizing Window

You can resize the window to half size mode by dragging the right bottom corner.



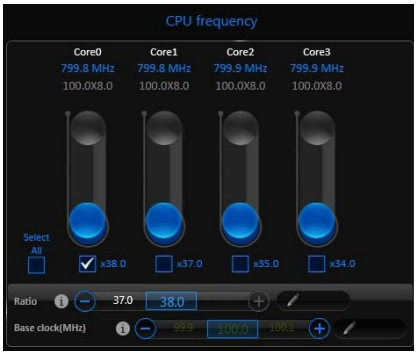


Main Features

This section describes the main features (CPU Frequency, CPU Fan,)on the control panel.

CPU Frequency

CPU Frequency control panel allows you to change CPU Ratio and Baseclock. You can see the current frequency of each CPU core on the top of the panel.



CPU Fan

CPU Fan control panel provides Smart mode and Manual Mode. You can switch the control mode by clicking the “Smart Mode” and “Manual Mode” buttons on the top of the CPU Fan control panel.

►**Manual Mode** - Allows you to manually control the CPU fan speed by percentage.

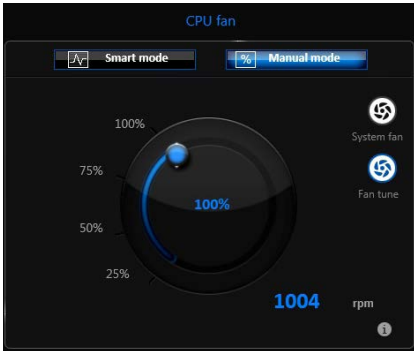
►**Smart Mode** - Smart Mode is a linear fan speed control feature. The Smart Mode control panel contains 4 dots allows you to drag and adjust the Smart Speed slopes. The fan speed will be changed along these lines with CPU temperature. The white dot will create strip chart in real time.

►**System Fan Button** - You can click the system fan icon 

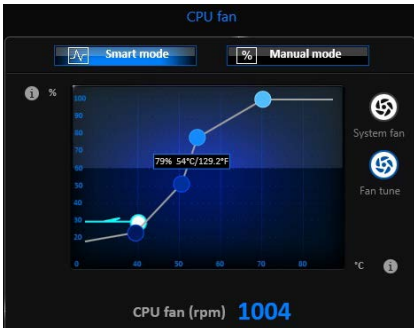
to open the system fan control panel in new window.

►**Fan Tune Button** - Also, you can press the auto tune icon 

to automatically optimize the smart fan setting.



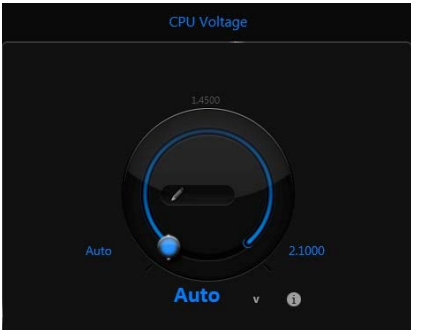
Manual Mode



Smart Mode

CPU Voltage

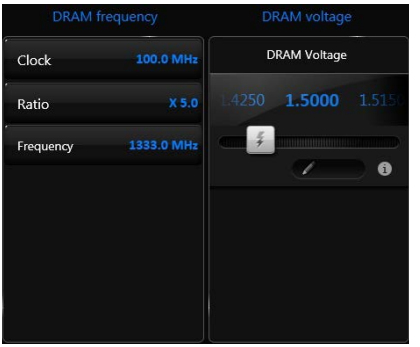
CPU Voltage control panel allows you to control the CPU voltage.



DRAM Frequency & DRAM Voltage

►**DRAM Frequency** - Shows the DRAM clock, ratio and frequency.

►**DRAM Voltage** - Allows you to adjust the DRAM voltage. The risky values are displayed in red.



IGP Frequency & GT Voltage

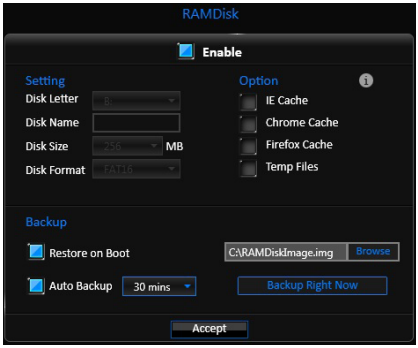
►**IGP Frequency** - Allows you to adjust the IGP ratio, and shows the IGP clock, ratio and frequency.

►**GT Voltage** - Allows you to adjust the GT voltage. The risky values are displayed in red.



RAMDisk

RAMDisk control panel allows you to create a virtual RAM drive.



▸**Enable button** - Enable or disable the RAMDisk function.

▸**Setting** - Specify Letter, Name, Size and Format of the RAM disk.

▸**Option** - Select data to save/load on the RAM disk, witch can speed up your system performance and extend the life of SSD.

▸**Backup** - Specify backup and restore settings to prevent data loss.

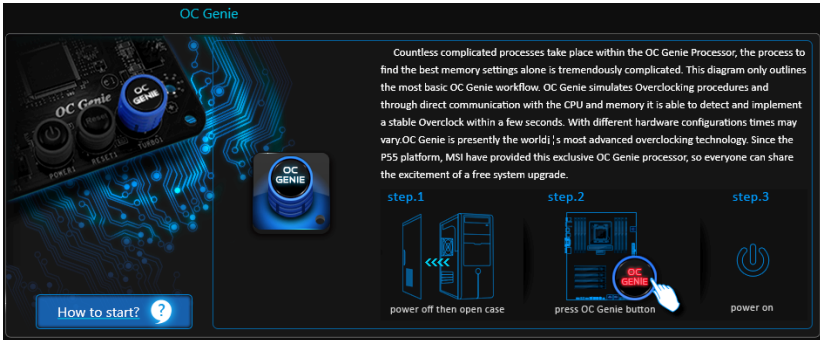
▸**Accept button** - Allows you to accept settings of the RAMDisk function.

OC Genie

Please read the introduction on the OC Genie control panel first. Depends on the CPU types, the introduction may be different.



To enable the OC Genie feature, click the OC GEINE button icon. You can also click the “How to start?” button to learn how to use the OC GENIE button.



Option Buttons

Option buttons provide advanced setting, additional setting and system information.

▸Advanced



When click the “Advanced” button, The Voltage, Fan and DRAM icons will appear. You can click the icons to open the control panels in new windows.

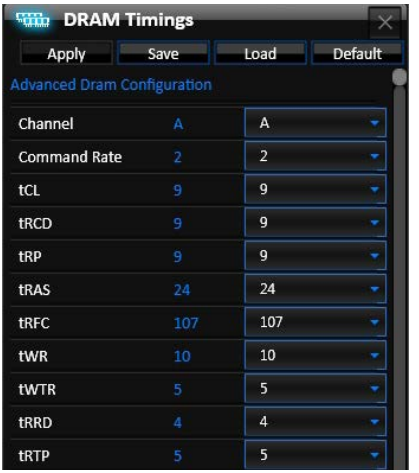
Voltage - Allows you to adjust advanced voltage of CPU and chipset.



Fan - Allows you to control the system fans speed.



DRAM - DRAM Timings control panel shows the current Advanced DRAM parameters, and allows you to change the settings by selecting values from the drop-down menu on the right hand side.



▸Setting



When click the “Setting” button, The Record, Warning and Mobile Control icons will appear. You can click the icons to open the control panels in new windows.

Record - Record control panel allows you to monitor the status of voltage, fan speed and temperature in real time.

To filter record charts, select the check box next to the items.

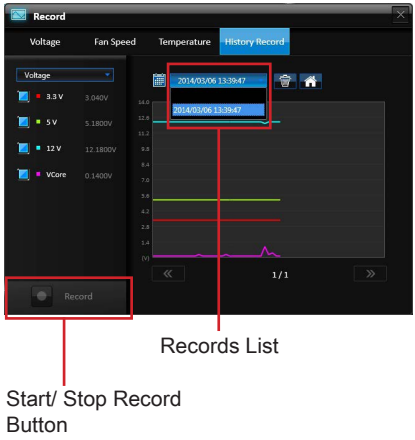


When click the Start button, the chart pane will start to show the recording chart. If you want to check the value of a specific spot on chart, please move the orange vertical line to the spot.

History Record - History Record stores the data and names with date and time.

To make a history record:

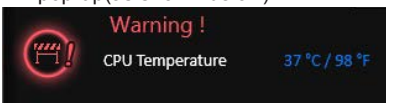
1. Select items that you would like to record.
2. Click the “Record” button on the left bottom to record status from your system.
3. When finished, click the “Record” button again. The data will be stored in the drop-down menu.



To load a record, click the drop-down menu and select your desired record from the list.

To delete a record, select the record that you want to delete, and click the Trash Can icon.

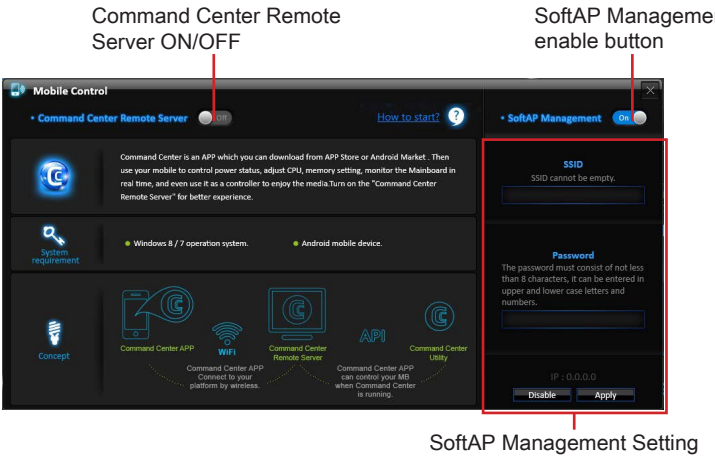
Warning - Warning Control Panel contains fields of voltage, fan speed and temperature for you to set the threshold values. When system detects the status over your settings, a warning message will pop-up(as shown below).



You can enable/ disable warning items and alert sound by selecting the check box next to the items.



Mobile Control - The Mobile Control control panel is only available for the motherboard with the built-in WiFi module. It allows you to enable/disable the Command Center Remote Server. Please refer to the instruction on the Mobile Control control panel.



To start remote control:

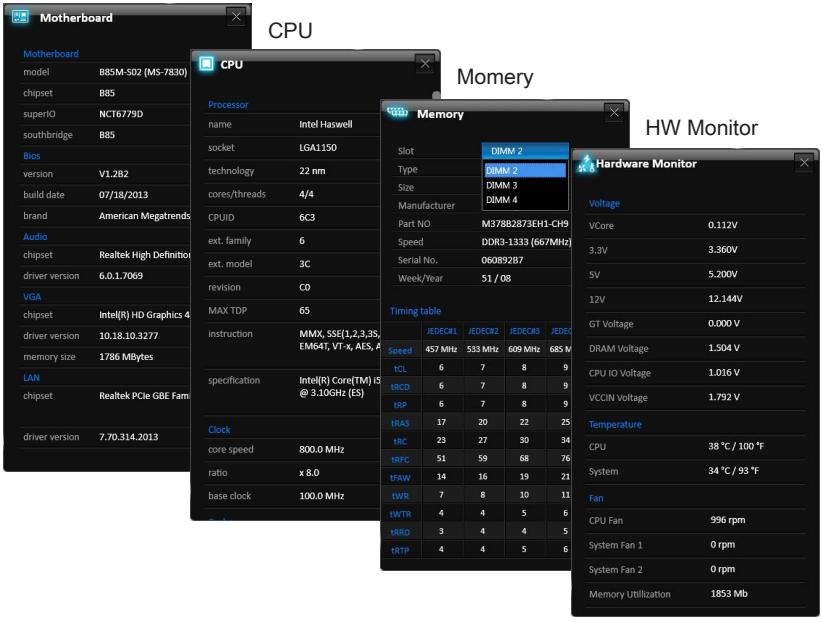
1. Download and install MSI Command Center APP to your mobile device.
2. Enable Command Center Remote Server on the Mobile Control control panel.
3. Enable SoftAP Management.
4. Enter SSID and Password, and then click the “Apply” button.
5. Activate Wi-Fi on your mobile device and connect to SoftAP with the SSID.
6. Run MSI Command Center APP on your mobile device.
7. Find the IP address on the SoftAP Management Setting area, and enter the IP address on your MSI Command Center APP to link your system.
8. Press “Refresh” on the MSI Command Center APP to verify that monitoring and OC functions are working properly.

►Information



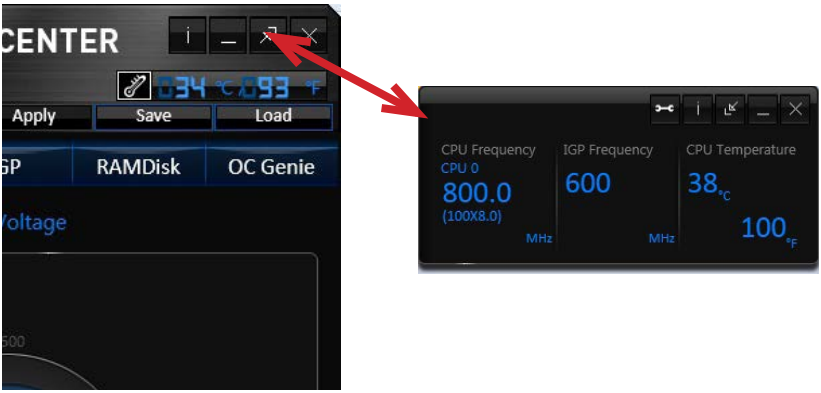
When click the “Information” button, The Motherboard, CPU, Memory and HW Monitor Control icons will appear. You can click the icons to open the information windows.

Motherboard



Gadget Mode

Command Center provides a gadget mode to monitor the system status. You can switch to gadget mode by clicking the arrow icon on the top left (as shown below).

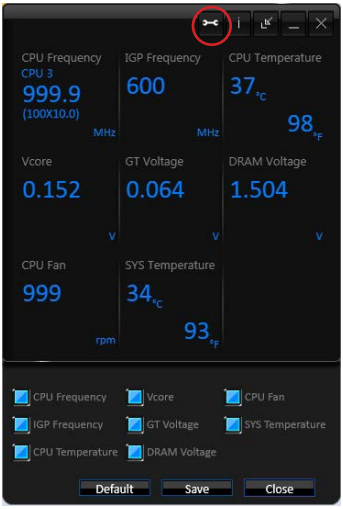


Setting Gadget

Gadget mode provides a configuration panel, that allows you to select items.

To select items:

1. Click the Spanner icon on the Gadget, a configuration panel will slide out.
2. Select the check box next to the items.
3. When finished, click the “Close” button.



Sound Blaster Cinema 2

Sound Blaster Cinema 2 improves how you experience stereo and multi-channel soundtracks from a variety of sources, including DVDs, games, CDs, MP3s and even Blu-Ray.

Powered by the SBX Pro Studio technologies, the Sound Blaster Cinema 2 delivers a much more realistic and immersive experience, conveniently placed in a central and intuitive console
The SBX Pro Studio suite of technologies features:

- SBX Surround™
- SBX Crystalizer™
- SBX Bass™
- SBX Smart Volume™
- SBX Dialog Plus™

System Requirement

You need to have the following system requirements to run Sound Blaster Cinema 2 :

Hardware:

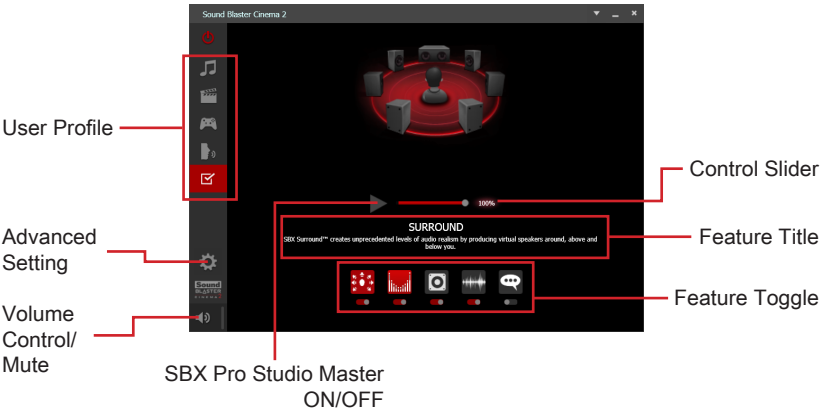
- MSI motherboard with Sound Blaster Cinema 2

Software specifications:

- Windows 7 32bit/ 64bit
- Windows 8 32bit/ 64bit
- Windows 8.1 32bit/ 64bit
- Realtek HD audio driver

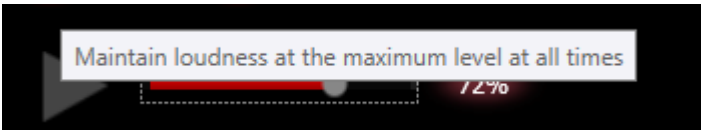
Overview and Operation

After installing and activating Sound Blaster Cinema 2, you can click on each enhancement feature name (SURROUND, CRYSTALIZER, BASS, DIALOG PLUS or SMART VOLUME) to switch into particular feature view for necessary setting controls.



Tool Tip

When you hover the (mouse) cursor over a button, slider or feature name on the panel, a tooltip will show, describing the particular function of that item.

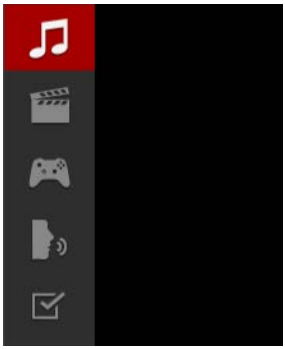


SBX Pro Studio Master ON/OFF



Click on the Master ON/OFF button to experience the full effect of SBX Pro Studio.

Users Profile



There are 4 different selectable profiles based on your audio scenario.

1. Music Listening
2. Movies Watching
3. Games Playing
4. Voice Communication

A custom profile is available for you to customize the profile. It will be automatically saved once application has exit.

Advanced Setting



Click on the gear icon button for selecting the headphones/speakers configuration for playback.

Feature Toggle

Click on the individual feature toggle on the bottom right to have control over the 5 SBX Pro Studio technologies.



- SURROUND - provides immersion control to enhance the natural sense of audio depth and spaciousness by creating virtual surround sound channels.
- CRYSTALIZER - restores the natural dynamic range that is lost when iTunes and MP3 music gets compressed.
- BASS - fills in the missing low frequency tones and gives the extra impact for a better entertainment experience.
- SMART VOLUME - addresses the problem of abrupt volume level changes during playback and between songs by automatically and continuously measuring volume, and intelligently applying gain and attenuation to compensate for those changes.
- DIALOG PLUS - enhances the voices in movies for clearer dialog.

Click on the bottom horizontal bars to turn ON/OFF the individual features. A highlighted red will imply the selected feature is turned ON and vice-versa.

Control Slider



The slider will be lighted up and ready for adjustment when the particular enhancement feature is turned on. You can drag the slider left or right to the desired level. It ranges from 0% to 100%, while bigger percentage indicates larger effect typically.

Volume Control/ Mute

Click on the Speaker ICON to mute & un-mute the Master Volume of the selected audio output device.

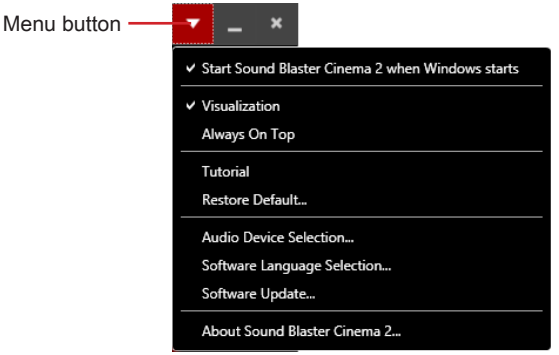


You can drag the slider left or right to the desired level of master audio volume. It ranges from 0% to 100% while bigger percentage indicates larger volume typically.



Drop-down Menu (Top Right)

Click on the Drop-Down button to start your other settings:



- **Start Sound Blaster Cinema 2 when Windows starts** - Check the option if you wish to automatically start Sound Blaster Cinema 2 when Windows starts.
- **Visualization** - Check this if you wish to have Visualization to be active.
- **Always On Top** - Check this if you wish Sound Blaster Control to be always the top window.
- **Tutorial** - Check this if you would like to restart tutorial pages again. Tutorial pages will start during each launch. To disable tutorial, click on “Do not show this again” on the last page of the 3-pages tutorial.
- **Restore Default** - To set the current audio device to the default state, click on the “Restore Default” option then click OK on the Windows dialogue box.
- **Audio Device Selection** - To select the desired audio output device to apply the SBX Pro Studio effects. Click on the “Audio Device Selection” option and select the desired output device from the drop down list. And click OK.
- **Software Language Selection** - To change into the desired display language of this program. Click on the “Software Language Selection” option. Choose the desired language from the drop down list of supported languages. And follow the instructions on the screen to complete the change.
- **Software Update** - To update this program. Click on the “Software Update” option. And follow the instructions on the screen to complete the update.
- **About Sound Blaster Cinema 2** - The About Box shows the version number of the Sound Blaster Cinema 2 Application. Click on OK on the dialogue box to close it.

Killer Network Manager

Killer™ networking platform is an intelligent network controller that delivers maximum networking performance for all games and streaming media.

Killer Network Manager shows you the system information and performance of your computer and gives you the controls to optimize it.

System Requirement

In order to run the Killer Network Manager, the following hardware and software is required

Hardware:

- MSI motherboard with Killer LAN chip (E2200 or newer).

Software specifications:

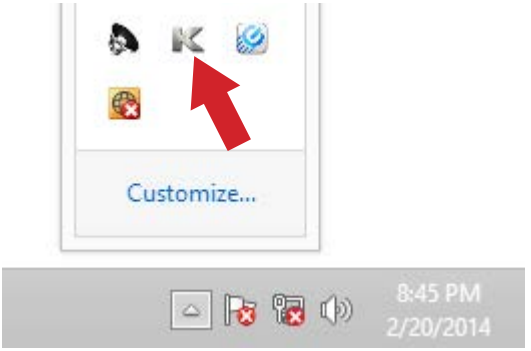
- Windows 7 32bit/ 64bit
- Windows 8 32bit/ 64bit
- Windows 8.1 32bit/ 64bit
- Killer LAN driver

Note

The Killer Network Manager is only available for Windows 7, Windows 8 and Windows 8.1 currently. The supported drivers for other operating systems would be available on the website if provided by vendor.

Killer Network Manager Operation

The Killer Network Manager software installs with the Killer LAN driver. Once installed, the Killer Network Manager icon shows on system tray (the right bottom corner of the screen). Mouse right click on the tray icon to show the application window.



In case no icon is shown on the system tray, it is possible to activate Killer Network Manager manually by clicking Start → Programs → MSI → Killer Network Manager.

Configuring Bandwidth

This section describes how to configure Internet Provider Speed. You can configure default Internet upload and download bandwidth from the Network tab on the Killer Network Manager window.

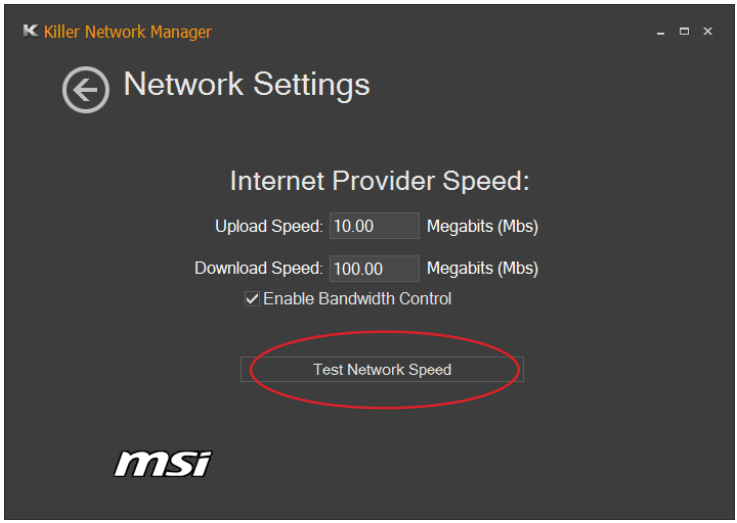
Important

Before using the Killer network for the first time, you should use the Test button which runs a speed test of your current total Internet bandwidth delivered through your Internet service provider.

Speed Testing

The speed testing is used to optimize bandwidth usage. To test the Upload and Download speed, please follow the steps below:

1. Click the Network block in Killer Network Manager.



2. Click “Test Network Speed” button. The test takes two minutes and automatically provides values for your Upload and Download fields.

Manually Changing Bandwidth

1. Select the Network block in Killer Network Manager.
2. Enter a value in the Upload Speed field.
3. Enter a value in the Download Speed field.

Killer Network Manager Control Panel

Overview

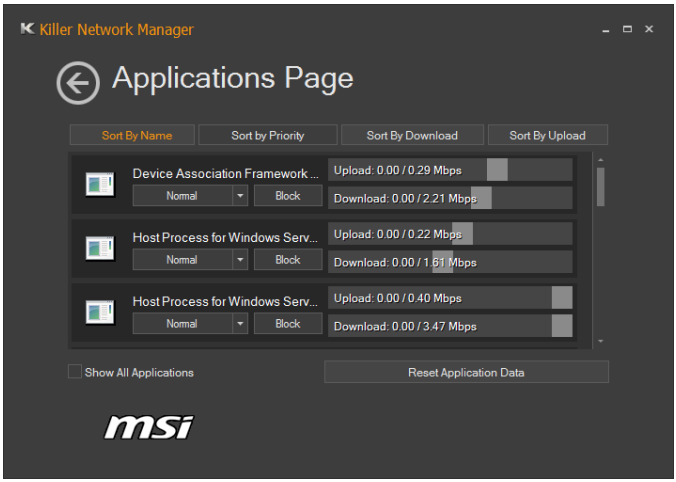
The Killer Network Manager main menu has four blocks, including Applications, Network, Performance and Killer Ethernet.



You can click on each block to switch into particular feature page for necessary setting controls.

Applications Page

If Applications block is selected, the following screen is displayed:



The Applications page displays currently using network bandwidth applications, as well as all applications that have used a network connection previously.

Upload/ Download Sliders

There are Upload slider and Download slider in each application pane. You can drag the sliders left or right to the desired bandwidth.

Sort By Name/ Priority/ Download/ Upload buttons

Sort the application list alphabetically or by current bandwidth usage.

Show All Applictions check box

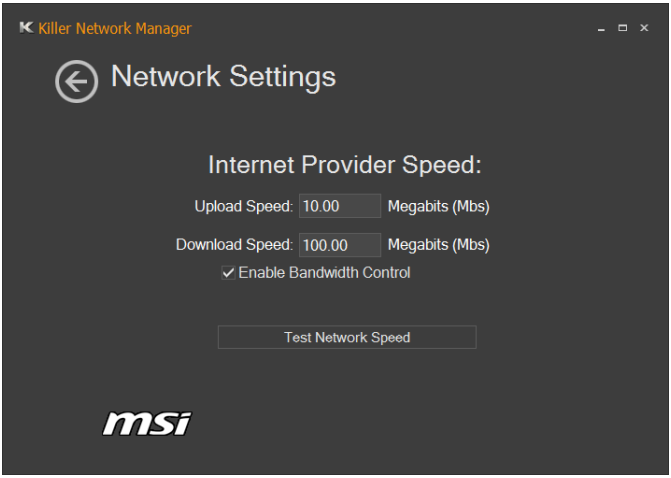
When check the check box, the application list show all applications include closed or inactive applications.

Reset Appliction Data button

Click the Reset Appliction Data button, all of the applications upload and download settings will be removed.

Network Settings

If Network block is selected, the following screen is displayed:



Upload Speed/ Download Speed

Configure the internet upload/ download bandwidth. We recommend setting these values under the available bandwidth.

Enable Bandwidth Control check box

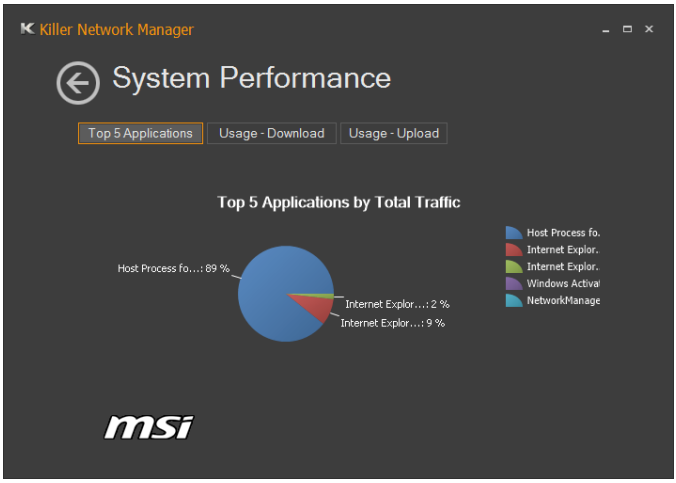
When check the check box, Killer Network Manager will control bandwidth usage.

Test Network Button

Test your upload and download speed automatically.

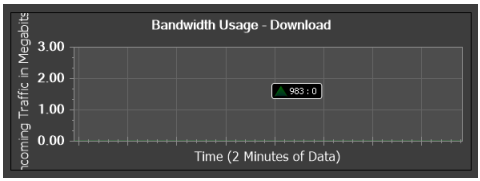
System Performance

If Performance blcok is selected, the following screen is displayed:

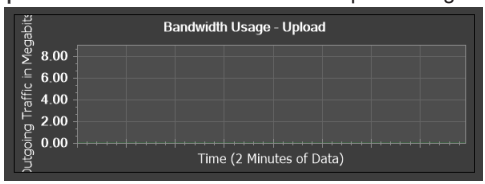


There are three monitors in the page, including Top 5 Applications, Usage - Download and Usage - Upload. The function of each monitor is described as follows:

- **Top 5 Applications** - Top 5 applications by total traffic (percentage).
- **Usage - Download** - Monitor network bandwidth download usage.

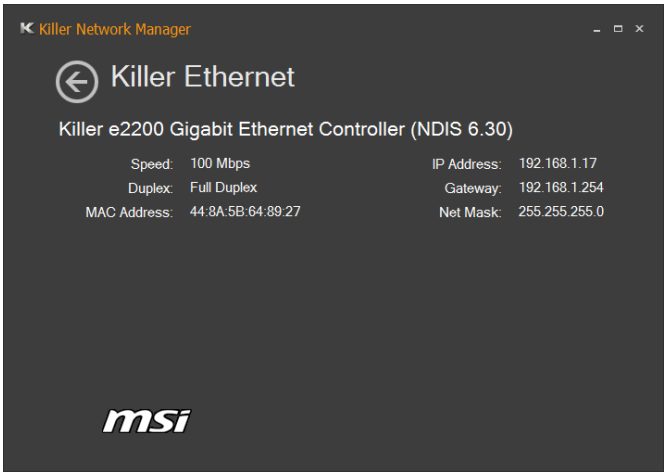


- **Usage - Upload** - Monitor network bandwidth upload usage.



Killer Ethernet

If Killer Etherner block is selected, the following screen is displayed:



This page shows your network setting information, including Speed, IP Address, Duplex, Gateway, MAC Address and Net Mask.

Live Update 6

Live Update 6 is an application for the MSI system to scan and download the latest drivers, BIOS and utilities.
With Live Update 6, you don't need to search the drivers on web sites, and don't need to know the models of motherboard and graphics cards. Live Update 6 will download the appropriate drivers automatically.

Live Update 6 overview

After installing and activating Live Update 6, you will see Home, Live Update, History, Setting and About tabs at the top. You can click the tab to switch the control panel.



Live Update Tab

When you launch Live Update 6, you will see the Live update tab at first. This tab allows you to select files to download. You can also read the relevant information by clicking the information icon on the right of the item listed.



Download options

Download list

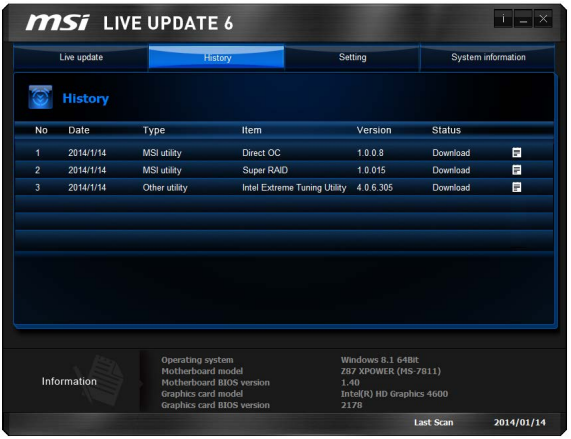
Scan / Download / Total installer button

System Information

Last scanned date

History Tab

This tab shows the downloading history.



Setting

This tab allows you specify the frequency that Live Update 6 remind you to update.



System Information Tab

This tab displays the information of the system.



Important

The pictures in this guide are for reference only and may vary from the product you purchased. Please refer to the actual screen of your system for detailed information.

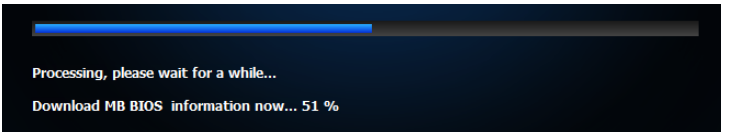
Updating The System

This section describes how to update your system with Live Update 6. Please follow the steps below:

1. Select download options in Live Update tab. If you select “Automatic scan”, Live Update 6 will automatically detect your system, select the appropriate items to download.



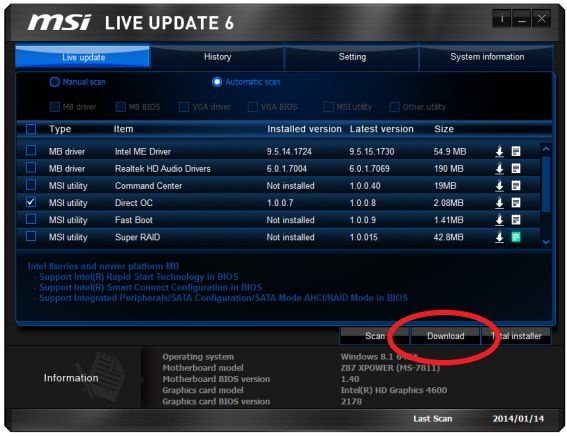
2. Click the “Scan” button at the bottom, you will see the screen below. It may take several moments to complete the process. Please wait while it is displayed.



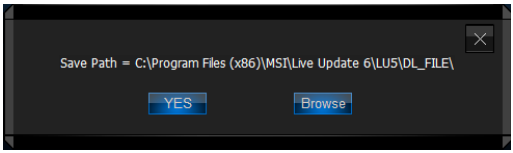
3. When the download list appears, please select the items you intend to update.



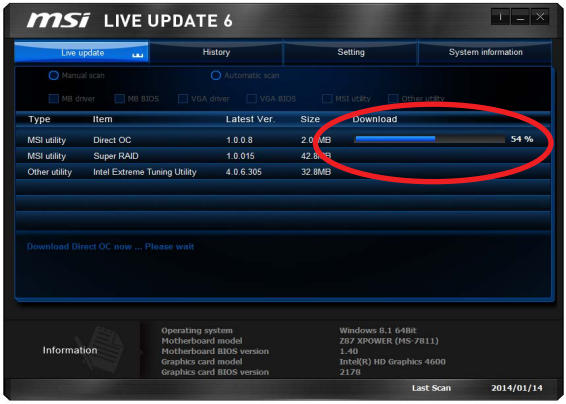
4. Click “Download” button at the bottom.



5. When Save Path prompt, you need to specify the directory for Live Update 6.



6. When downloading you will see the screen below. It may take several moments to complete the process. Please wait while it is displayed.



7. To install the applications, simply unpack the packages and install.

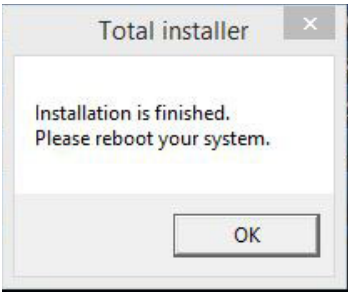
Total Installer

Total Installer is a convenient feature to simplify frequent installing procedure. To use Total Installer:

1. Scan updates in Live Update tab.
2. Check the items you intend to update.



3. Click the Total Installer button. Live Update 6 will automatically install them.
4. When prompted, click OK to complete the Total Installer procedure



5. Reboot your system.

Network Genie

Network Genie is an utility to optimize the traffic for bandwidth control. Network Genie is designed for the Realtek LAN chip with Windows 7, Windows 8 and Windows 8.1 platforms.

With the Network Genie you can play on-line games and download data without being disturbed by latency. Just set up the network priority in Network Genie. You do not need to close some of occupied bandwidth applications while enjoying on-line games or streaming videos.

System Requirement

In order to run the Network Genie, the following hardware and software is required

Hardware:

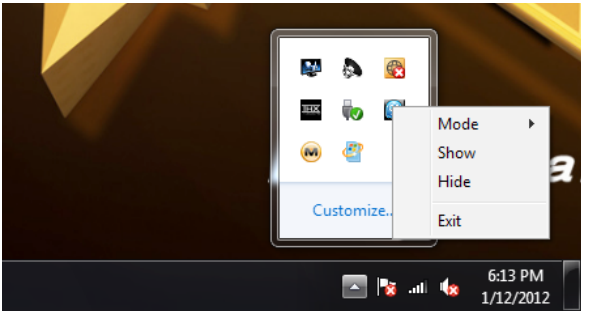
- MSI motherboard with Realtek LAN chip (8111E or newer).

Software specifications:

- Windows 7 32bit/ 64bit
- Windows 8 32bit/ 64bit
- Windows 8.1 32bit/ 64bit
- Realtek LAN driver

Network Genie Operation

Once installed, the Network Genie icon shows on system tray (the right bottom corner of the screen). Mouse right click at the icon, will display the following screen.



- Moving the mouse pointer on **"Mode"** option, a sub-menu will appear for user to select Game, Stream, Browser and Auto mode.
- Clicking on the **"Show"** option will open a new window with Network Genie control panel.
- Clicking on the **"Hide"** option will hide the Network Genie control panel.
- Clicking on the **"Exit"** option will exit Network Genie.
- Invisible logo means Network Genie is not activated.

In case no icon is shown on the system tray, it is possible to activate Network Genie manually by clicking Start → Programs → MSI → Network Genie → Network Genie.

Network Genie Control Panel

Mode Tab

If Mode tab is selected, the following screen is displayed:



▸**Mode selection**

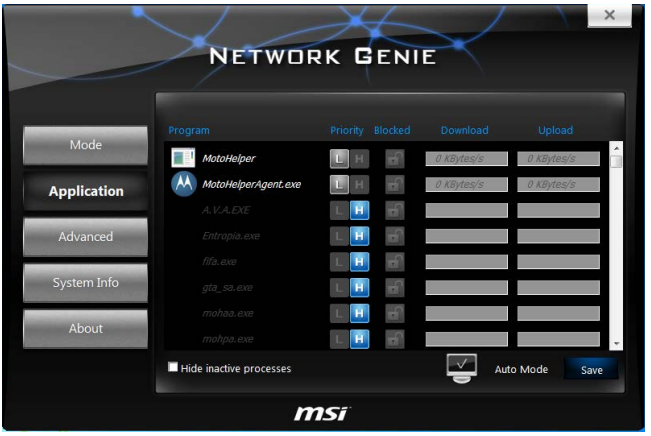
Mode selection is used to quickly change the network mode. The following options are available:

- **Game Mode** - Network Genie will set gaming applications to high priority.
- **Stream Mode** - Network Genie will set streaming applications to high priority.
- **Browser Mode** - Network Genie will set web browsers to high priority.
- **Auto Mode** - Network Genie will set gaming, streaming applications and web browsers to high priority.

Click **"Apply"** button to complete.

Application Tab

If Application tab is selected, the following screen is displayed:



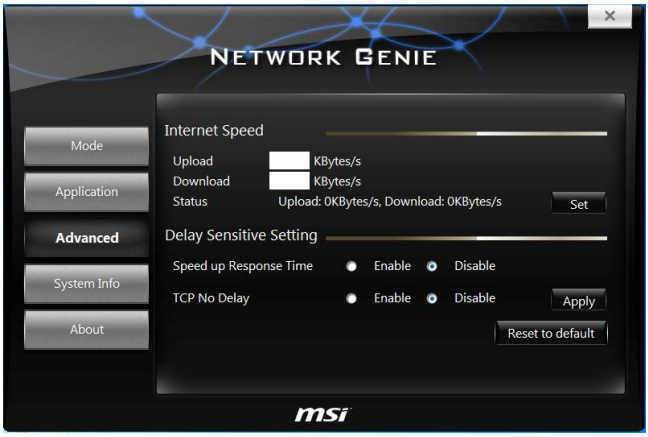
Application tab lists all network related applications. There are 5 columns in the list, including Program, Priority, Blocked, Download and Upload. The function of each column is described as follows:

- **Program** - Shows the currently running network related applications.
- **Priority** - “H”: represents high network priority. “L”: represents low network priority. You can manually change the priority by clicking “H” or “L”.
- **Blocked** - “Lock icon”: represents the network application is blocked. “Un-lock icon”: represents the network application is allowed. You can block the network application by clicking the block icon.
- **Download/ Upload** - Indicate the download and upload status.

Inactive programs will be listed at the bottom and you can check the **“Hide inactive programs”** to hide them. After changing the settings, click the **“Save”** button to store the newer configurations.

Advanced Tab

If Advanced tab is selected, the following screen is displayed:



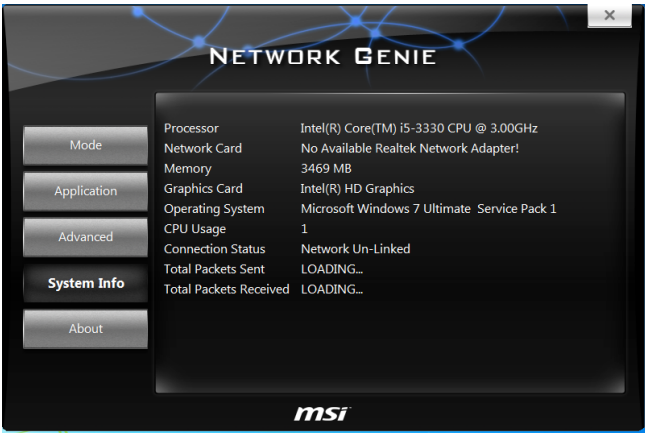
Advanced tab provides detailed settings for Network Genie. There are two parts in this tab, one is “Internet Speed”, and another is “Delay/Sensitivity Settings”.

In **“Internet Speed”**, you can set the maximum available bandwidth to the upload/ download speed manually or just leave blank for no limit.

In **“Delay/Sensitivity Settings”**, you can enable “Speed up Response Time” and “No TCP Delay” to reduce the latency of the high priority applications.

System Info Tab

If System Info tab is selected, the following screen is displayed:



System Info tab shows system information, including “Processor”, “Network Card”, “Memory”, “Graphics Card”, “Operating System”, “CPU Usage”, “Connection Status”, “Total Packets Sent”, and “Total Packets Received”.

About Tab

If About tab is selected, the following screen is displayed:



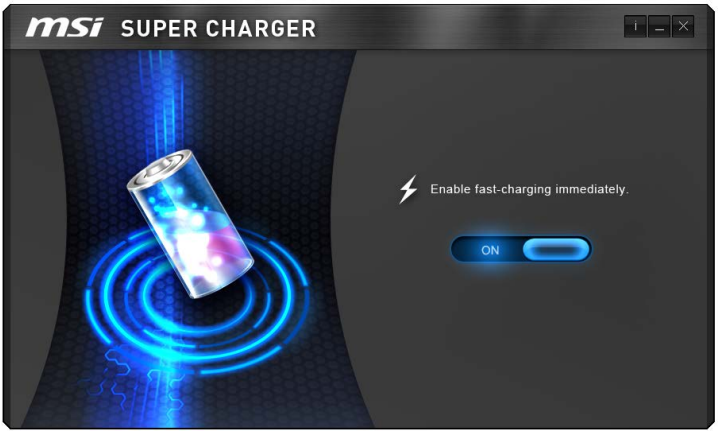
About tab shows information of Network Genie, including “Version”, “Copyright”, and web address.

Super Charger

Super Charger provides i-Pad, i-Phone and iPod charging function.
The iPad with very special charging requirements as it requires 1.6A power supply rather than the 0.5A current available with conventional USB interfaces. That is ordinary computer cannot charge your iPad even at power on status. The MSI Super Charger is a Windows resident program capable of revising power supply mode of your USB port. Once an iPad is connected to your USB port the Super Charger sends a signal to initiate its charging circuit. When system goes into suspend, hibernate state or even shutdown, Super Charger will be still able to provide charging function.

Enabling Super Charger

Install and launch Super Charger, the dialogue as below will appear.



To enable Super Charger, click the “On/Off” button to On.



When a warning prompt window appears, click “Yes” to continue.

Important

When Super Charger is enabled, the USB port will be changed to Charging mode, therefore, the data syncing will be disabled.

Smart Utilities

Smart Utilities provides one click installation of Intel® Responsiveness Technologies (Intel® Rapid Start Technology, Intel® Smart Response Technology, Intel® Smart Connect Technology) and integrates them in a single user interface.

System Requirement

You need to have the following system requirements to support Intel Responsiveness Technologies:

- MSI motherboard supports Intel Rapid Start Technology, Intel Smart Response Technology and Intel Smart Connect Technology.
- Solid State Drive (SSD) for Intel Rapid Start Technology and Intel Smart Response Technology.
- BIOS with SATA mode set to RAID for Intel Smart Response Technology.
- BIOS with SATA mode set to ACHI or RAID for Intel apid Start Technology.
- Operating system: Windows 7 32bit/ 64bit, Windows 8 32bit/ 64bit, Windows 8.1 32bit/ 64bit

Overview and Operation

After installing and activating Smart Utilities, you can click on each Intel Responsiveness Technologies name to enable them. Smart Utilities detects your system condition, and automatically install related applications.



Main Buttons Status

The Smart Utilities main buttons show the system supporting status and Intel Responsiveness Technologies ON/OFF status.

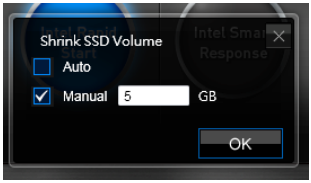
Button	Status
 (White Text)	Available/ OFF
 (Gray Text)	Unavailable
 (Bright)	Selected/ ON

Intel Rapid Start

Intel Rapid Start Technology enables systems to quickly resume from deep sleep. Intel Rapid Start Technology requests a SSD partition, and the size should be equal to the amount of DRAM in a system, in order to transfer active memory pages from system DRAM to SSD (from S3 to S4 mode).

To enable Intel Rapid Start Technology:

1. Click the Intel Rapid Start button, the Shrink SSD Volume dialogue will pop up.



2. Select “Auto” (DRAM + 1G) or “Manual”.
3. If you select “Manual”, specify the partition size of SSD.
4. Click Apply.

Intel Smart Response

Intel Smart Response Technology intelligently caches applications and data blocks from HDD to the SSD for improving system performance.

To enable Intel Smart Response Technology:

1. Click the Intel Smart Response button.
2. Click the Apply button.

Intel Smart Connect

Intel Smart Connect Technology schedules the system to wake up from Sleep (S3) to update data in a lower power state for a short time.

To enable Intel Smart Connect Technology:

1. Click the Intel Smart Connect button.
2. Click the Apply button.

Apply

To enable Intel Responsiveness Technologies, you need to click the Apply button. Once you click the Apply button, Smart Utilities will start the process in background, and pop up a status message.



Apply Button

- Status Message



Gaming App

Gaming App is an application designed to quickly control CPU frequency and fan speed. It allows you to switch between OC mode, Gaming mode and Silent mode.

System Requirement

In order to run the Gaming App , the following hardware and software is required

Hardware:

- MSI motherboard supports Gaming App

Software specifications:

- Windows 7 32bit/ 64bit
- Windows 8 32bit/ 64bit
- Windows 8.1 32bit/ 64bit

Overview and Operation

After installing and activating Gaming App, you will see the following screen.



CPU and GPU Clock

When you install a MSI graphics card supported in Gaming App, the Gaming App can show both of CPU clock and GPU clock.



Control Mode Buttons

Click on the OC/ Gaming/ Silent mode buttons on the bottom to switch 3 CPU clock settings.



- **OC Mode -** automatically overclock CPU with OC Genie function.
- **Gaming Mode** - force CPU to stay at maximum clock speed limited by CPU specification.
- **Silent Mode** - sets the CPU clock to the default value.

Display Mode Button

Click on the Display Mode button to switch between CPU clock display mode and status bar display mode.

CPU Clock Display Mode



Status Bar Display Mode



ECO Center

ECO Center is an motherboard components power control utility that reduces power consumption for maximum energy savings.

System Requirement

In order to run the ECO Center, the following hardware and software is required

Hardware:

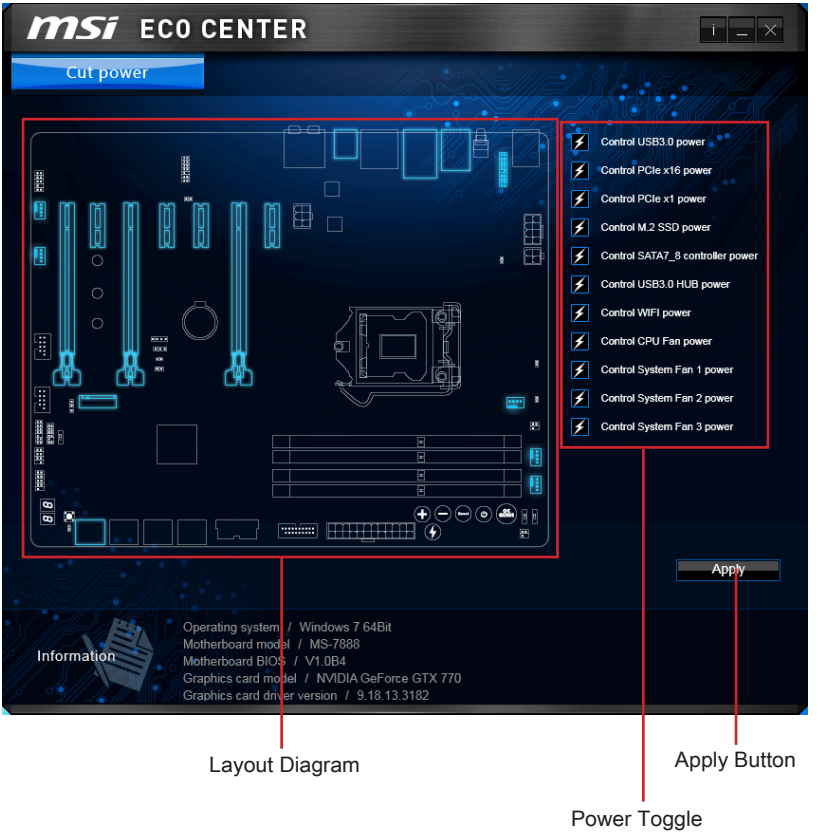
- MSI motherboard supports ECO Center function

Software specifications:

- Windows 7 32bit/ 64bit
- Windows 8 32bit/ 64bit
- Windows 8.1 32bit/ 64bit

Overview and Operation

After installing and activating ECO Center, you will see the following screen.



Power Toggle

Click on the individual power toggle on the right side to reduce system power consumption.



Check the checkbox to turn power ON/OFF for individual components. A lightning symbol will imply the selected component is turned power ON.

Apply Button

After selecting checkboxes on Power Toggle, you must click the “Apply” button to apply your changes.

Important

Overheating can seriously damage the CPU and motherboard. Before you turn off fans power, always make sure your cooler can protect your CPU and motherboard from overheating.

XSplit Gamecaster

XSplit Gamecaster is the newest product from SplitmediaLabs, the creators of XSplit Broadcaster, the world's most popular streaming application.

XSplit Gamecaster was designed to provide gamers with the simplest and most uncomplicated way to create high quality gameplay recordings and live streams. By utilizing the revolutionary in-game overlay, streamlined encoding, and social network features, you'll be sharing your gameplay to your family, friends, and followers in no time!

System Requirement

You need to have the following system requirements to run XSpilt Gamecaster :

Hardware specifications:

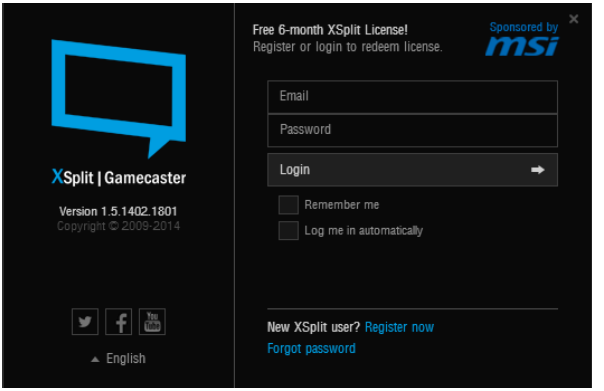
- For HD 720p Recording/Streaming - 2nd Generation Core i5 CPU or equivalent
- For HD 1080p Recording/Streaming - 2nd Generation Core i7 CPU or equivalent
- 4 GB RAM minimum
- 8 GB free hard disk space
- GeForce/Radeon Class Graphics card, minimum Direct X hardware level 10.1

Software specifications:

- Windows 7 SP1 32bit/ 64bit, Windows 8 32bit/ 64bit, Windows 8.1 32bit/ 64bit
- .NET Framework 3.5
- DirectX 10.1 or better

Logging

After installing and activating XSpilt Gamecaster, it will display a login dialogue. If you already have an account and password, fill your email and password into the form and click the “Login” button.



Important

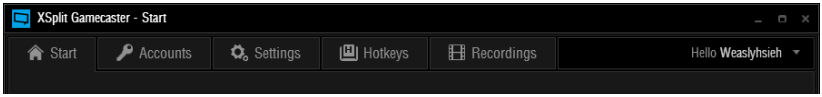
When starting XSplit Gamecaster on select MSI gaming laptops, all-in ones or on machines that contain select MSI motherboards or graphics cards, you will receive a free 6 month XSplit premium license that you can apply to an existing free account or to a new account. If you already have an XSplit account with a personal or premium license, then you can instead add 6 months to your license duration.

Registering an Account

If you don’t have an XSplit account yet, click “Register now” on the login dialogue. When the user registration form appears, complete all the fields.

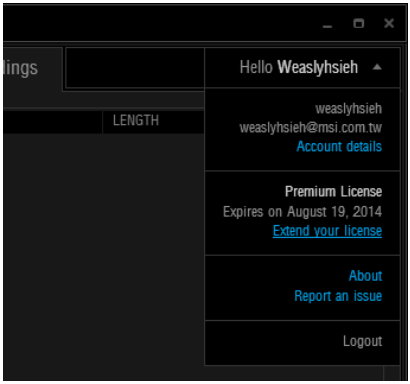
Overview and Operation

After login XSpilt Gamecaster, you will see Start, Account, Setting, Hotkeys and Recordings tabs at the top. You can click the tab to switch the control panel.



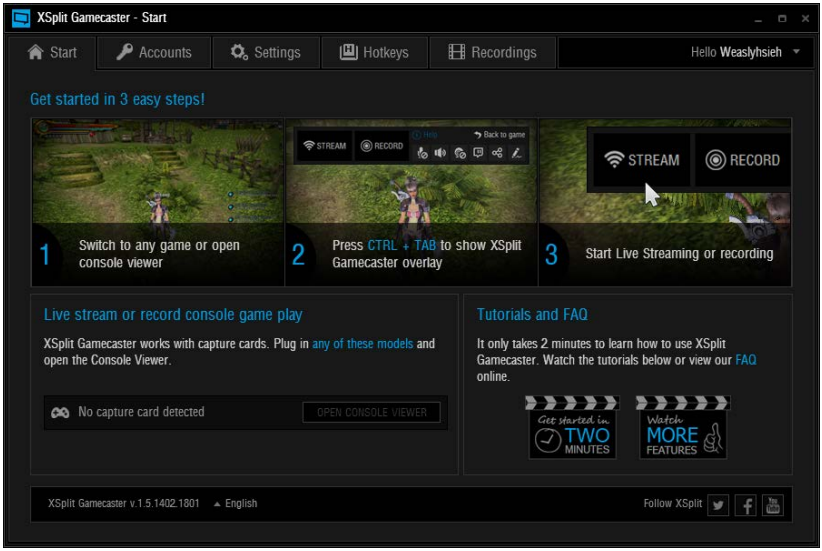
User Information

Click the drop-down arrow next to your username at the upper-right corner of the tab menu bar. Your account information and license status will be displayed on the drop-down menu.



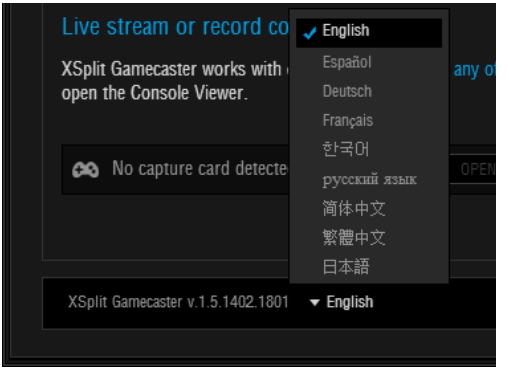
Learning stream and record

Refer to the Start page of XSpilt Gamecaster to learn how to stream and record your gameplay.



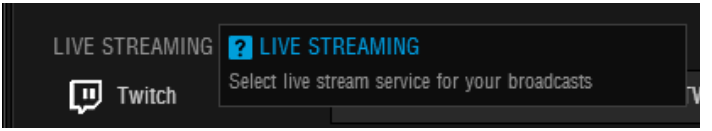
Changing language

To change the interface language, click the language drop-down arrow at the bottom-left of the Start tab and select your primary language.

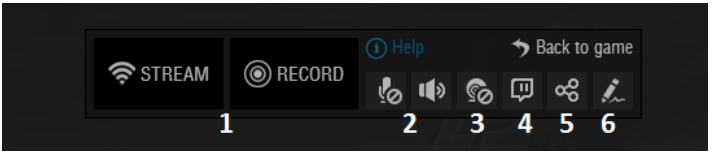


Tool Tip

When you click the question mark next to a feature name on the panel, a tooltip will show, describing the particular function of that item.

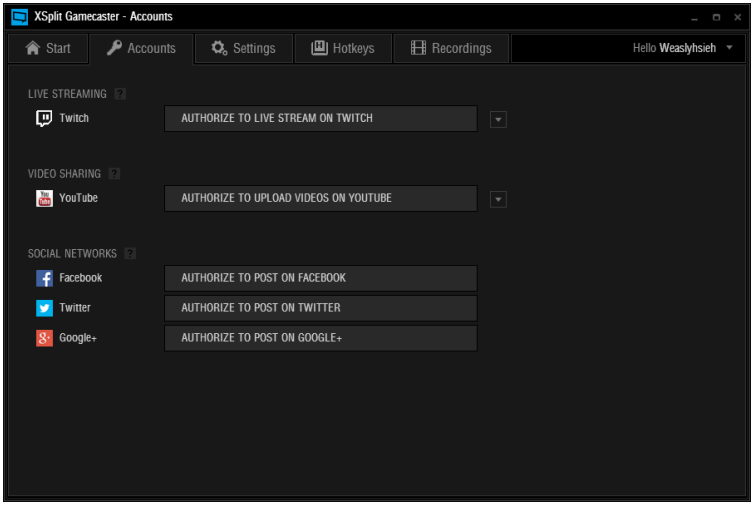


Inside the XSplit Gamecaster Overlay



1. **Streaming/Recording Buttons -** Press Stream to start live streaming or Record to start recording.
2. **Microphone/System Sound Control -** Pressing the microphone or system sound button will enable or disable the microphone or system sound.
3. **Webcam Controls -** To enable webcam controls, you must first select a camera/ webcam in the Settings Tab. Once you have selected a webcam, you can activate it by clicking on its icon in the XSplit Gamecaster overlay.
4. **Twitch Chat Controls** - If you've signed in to your Twitch.tv account, you'll see a Twitch icon in the overlay. When you click on this icon, a window will open. This window is XSplit Gamecaster's integrated chat system.
5. **Share Button -** If you authorize your Facebook, Twitter, and/or Google+ accounts, you can quickly share your stream URL and status update within the overlay.
6. **Annotations -** This feature of XSplit Gamecaster allows you to draw directly onto your game play. You can activate annotation mode by clicking on the pencil button in the overlay.

Accounts Tab



Live Streaming Services

XSplit Gamecaster allows you to stream to a variety of live streaming services such as YouTube, Twitch, Ustream, and also allows for custom RTMP streaming.

Video Sharing Services

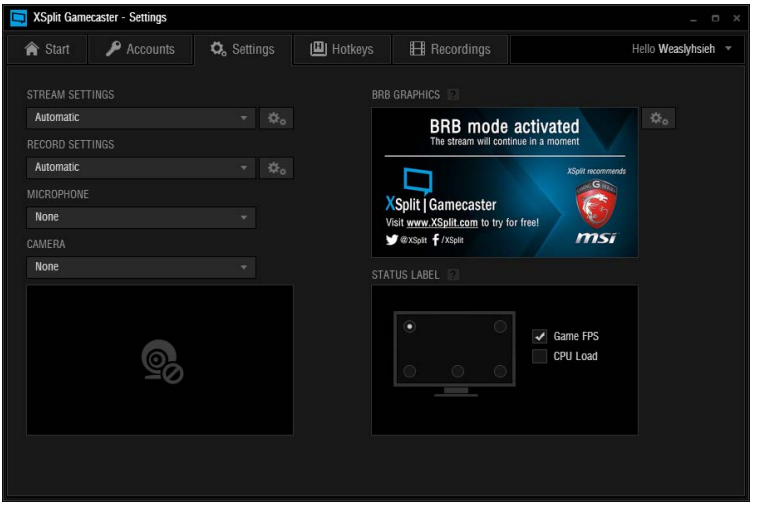
XSplit Gamecaster allows you to directly upload recordings to YouTube from within the software.

Social Network Services

XSplit Gamecaster allows you to share your live stream or YouTube links to friends & followers on Google+, Facebook, and Twitter.

To allow XSplit Gamecaster to post on your desired social network, click on the “Authorize To Post On...” button of your desired social network and enter your username and password to authorize.

Settings Tab



Stream Settings

XSplit Gamecaster's default setting for streaming is Automatic mode. In Automatic mode, your stream settings are automatically determined by XSplit Gamecaster based on your computer and internet resources (this includes resolution, bitrate, codec, but frame is always set to 30). You can change to a different resolution by clicking on the drop-down arrow.

Record Settings

XSplit Gamecaster's default setting for recording is Original Resolution. This refers to the resolution of the game that's been set inside the game's video/graphics settings. You can change to a different resolution by clicking on the drop-down arrow.

Microphone Settings

In this region, you can select your desired microphone. What is shown in the list depends on what you have connected to your PC. If you don't see your desired device in the list, please make sure that it is detected and it is not disabled in your recording devices list in the Windows Sound Menu (Start > Control Panel > Sound > Recording).

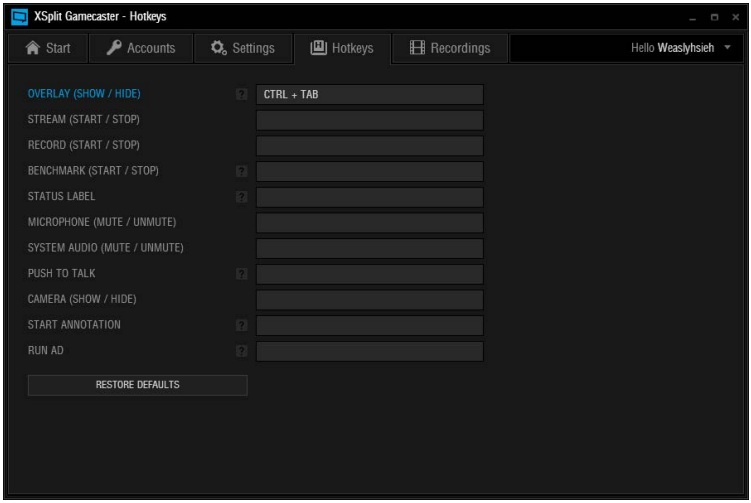
Camera Settings

In this region, you can select your desired camera. What is shown in the list depends on the cameras you have connected to your PC (Control Panel > Device Manager > Imaging Devices).

BRB Graphics (Be-Right-Back Graphics)

BRB Graphics are activated when you alt-tab or minimize your game. BRB Graphics will not work in Console Viewer mode. You can enter the BRB Graphics editor by clicking on the gear icon next to the BRB Graphics preview.

Hotkeys Tab



Setting and Deleting Hotkeys

You can use virtually any keyboard key as a hot key along with using Ctrl, Shift, and Alt as modifiers for hot keys.

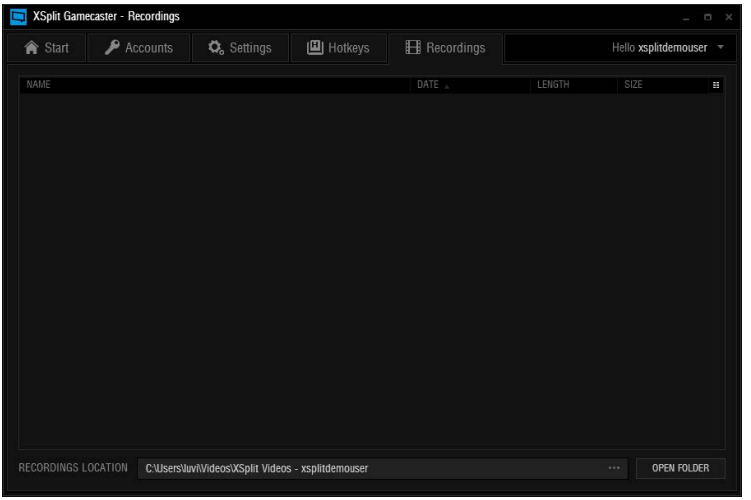
To set a hotkey, click on the function you wish to set (e.g. Stream, Record, etc.) and hen press the key(s) you wish to use as its hot key(s).

To remove a hot key, click on the function and press Delete or click on the X symbol at the end of the box of the hot key.

Important

You cannot use the following keys individually because they are used for creating annotations: C, S, T, Del and Esc.

Recordings Tab



Arranging Recordings

In the Recordings Tab, you can view your recordings as thumbnails or in a listed format by clicking on the button in the top right corner of the window. You can sort your recordings by name, date, length, and size by right clicking in the Recordings Tab.

Opening Recordings Folder

To open your recordings folder in Windows Explorer, click on Open Folder.

Changing Recordings Location

To change the location of where your videos will be saved, click on the recordings folder location.

Uploading video recordings to YouTube

To upload to YouTube, you must first authorize your account in the Accounts Tab. After you have authorized your account, click on a recording and then click on the YouTube logo in the bottom right corner. A window will open and you will be able to fill out the title, description, category, tags, privacy, and you will be able to choose to allow or disallow embedding. Once you have entered the details for YouTube, press the Upload Now button.

Sharing on Social Media

Once a video has been uploaded, you can share the YouTube link on any social media accounts you have connected to XSplit Gamecaster. Simply click on the icon of the social media site you wish to share, and a window will appear where you can enter some details about your post before publishing your link. When you are done entering the details of your post, click Share Video to post it to your selected social media account.