Republic of Gamers
AI Suite II User Manual
Maximus V Series

Installing AI Suite II

AI Suite II is an all-in-one interface that integrates several ASUS utilities and allows you to launch and operate these utilities simultaneously.
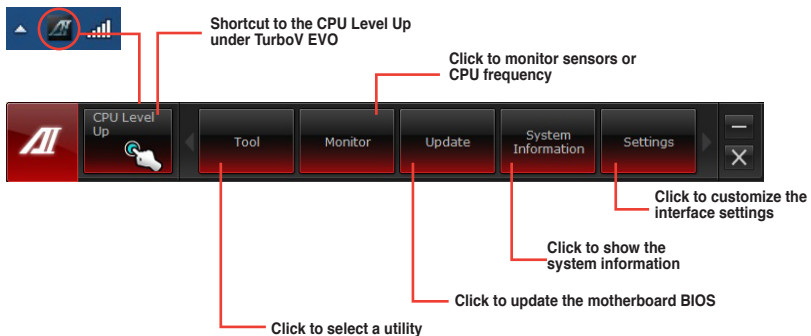
To install AI Suite II on your computer

1. Place the support DVD to the optical drive. The Drivers installation tab appears if your computer has enabled the Autorun feature.

2. Click **Utilities** tab **> AI Suite II**.

3. Follow the onscreen instructions to complete the installation.

Using AI Suite II

AI Suite II automatically starts when you enter the Windows® operating system (OS). The AI Suite II icon appears in the Windows® notification area. Click the icon to open the AI Suite II main menu bar.

Click each button to select and launch a utility, to monitor the system, to update the motherboard BIOS, to display the system information, and to customize the settings of AI Suite II.

Shortcut to the CPU Level Up under TurboV EVO

Click to monitor sensors or CPU frequency

Click to customize the interface settings

Click to show the system information

Click to update the motherboard BIOS

Click to select a utility

• The applications in the Tool menu vary with models.

• The screenshots of AI Suite II in this user manual are for reference only. The actual screenshots vary with models.

• Refer to the software manual in the support DVD or visit the ASUS website at www.asus.com for detailed software configuration.

TurboV EVO

ASUS TurboV EVO allows you to manually adjust the CPU frequency and related voltages such as **CPU Level Up** that offers automatic and easy overclocking and system boost performance.

To launch TurboV EVO, click **Tool > TurboV EVO** on the AI Suite II main menu bar.

Refer to the software manual in the support DVD or visit the ASUS website at www.asus.com for detailed software configuration.

TurboV

TurboV allows you to overclock the BCLK frequency, CPU voltage, and DRAM Bus voltage in Windows® environment and in real-time without exiting and rebooting the OS.

Refer to the CPU documentation before adjusting CPU voltage settings. Setting a high voltage may damage the CPU permanently, and setting a low voltage may lead to an unstable system.

For system stability, all changes made in TurboV will not be saved to BIOS settings and will not be kept on the next system boot. Use the **Save Profile** function to save your customized overclocking settings and manually load the profile after Windows starts.

Click to select mode
Load profile
Target values
Current values
Click to show settings
Click to view more settings
Click to restore all startup settings

Save the current settings as a new profile
Voltage Adjustment bars
Undoes all the changes
Applies all the changes immediately

Using Advanced Mode

Click on the **Advanced Mode** tab to adjust the advanced voltage settings.

Target values

Current values

Click to restore all startup settings

Click to view more settings

Voltage Adjustment bars

Undoes all the changes

Applies all the changes immediately

GPU Boost

GPU Boost overclocks the integrated iGPU for the best graphics performance.

1.   Click **More Settings > GPU Boost** tab.

2.   Adjust the **iGPU Max Frequency** and **iGPU Voltage**.

3.   Click **Yes** to save the changes made.

GPU Boost

Target values

Current values

Click to restore all startup settings

Adjustment bars

Undoes all the changes

Applies all the changes immediately

CPU Ratio

Allows you to manually adjust the CPU ratio.

✎
- The first time you use **CPU Ratio**, go to **Extreme Tweaker > CPU Power Management** in BIOS and set the **Turbo Ratio** item to **[Maximum Turbo Ratio setting in OS]**.
- Intel® K series CPU is required to adjust the settings of the CPU Ratio.

To use CPU Ratio:

1. Click on the **CPU Ratio** tab.

2. Drag the adjustment bar upwards or downwards to the desired value.

✎
- Set the **CPU Ratio Setting** item in BIOS to [Auto] before using the CPU Ratio function in TurboV. Refer to the BIOS chapter of your motherboard user manual for details.
- The CPU Ratio bars show the status of the CPU cores, which vary with your CPU model.

CPU Level Up

ASUS TurboV EVO provides you with CPU Level Up mode for the most flexible CPU auto-tuning options.

- The overclocking result varies with the CPU model and the system configuration.
- We recommend that you set up a better thermal environment to prevent overheating from damaging the motherboard.
- The CPU Level Up modes depend upon the CPU installed in your system.

Using CPU Level Up

1. Click **CPU Level Up** tab, choose the mode, and click **Start**.

2. Read the warning messages and click **OK** to start the auto-overclocking process.

   TurboV automatically overclocks the CPU, saves the BIOS settings, and restarts the system.
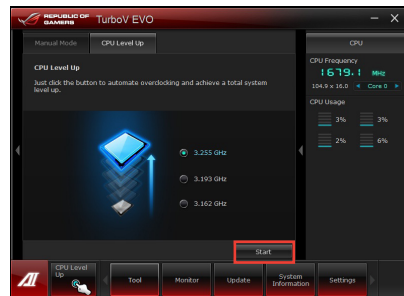
3. After re-entering Windows, a message appears indicating successful overclocking. Click **OK** to exit.

DIGI+ Power Control

ASUS DIGI+ Power Control allows you to adjust VRM voltage and frequency modulation to enhance reliability and stability. It also provides the highest power efficiency, generating less heat to prolong the component lifespan and minimize power loss.

To launch DIGI+ Power Control, click **Tool > DIGI+ Power Control** on the AI Suite II main menu bar.

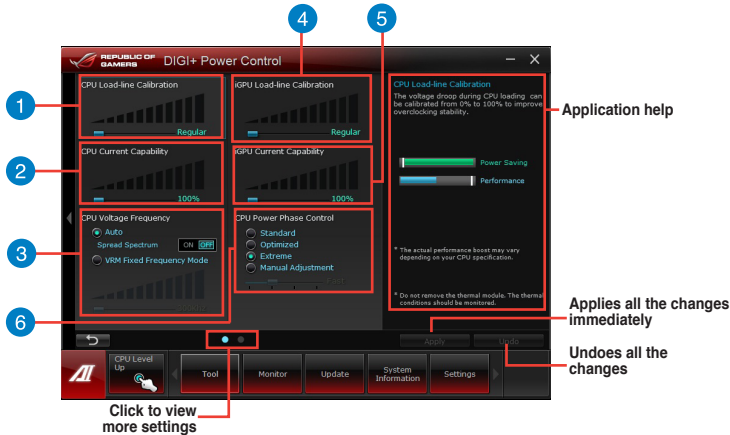Select **Smart DIGI+ Key**, **CPU Power** or **DRAM Power** to adjust the power control settings.

Smart DIGI+

Smart DIGI+ application help

1
2
3

	Smart DIGI+ Key
1	Quickly delivers a higher VRM frequency, voltage, and current for superior CPU/ iGPU/DRAM overclocking performance with one click.

	OC Now!
2	Adjusts the CPU ratio in TurboV EVO.

	Default (Smart DIGI+ Setting)
3	Sets your CPU/iGPU/DRAM power to default settings.

Only Intel® 3rd generation processors support the Smart DIGI+ Technology feature.

CPU Power

Application help

Applies all the changes immediately

Undoes all the changes

Click to view more settings

---

1 **CPU Load-line Calibration**
It allows you to adjust the voltage settings and control the system temperature. Higher load-line calibration could get higher voltage and good overclocking performance but increases the CPU and VRM thermal conditions.

---

2 **CPU Current Capability**
CPU Current Capability provides wider total power range for overclocking. A higher value setting gets higher VRM power consumption delivery

---

3 **CPU Voltage Frequency**
Switching frequency affects the VRM transient response and thermal components. Higher frequency gets quicker transient response.

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4 **iGPU Load-line Calibration**
Load-line is defined by Intel VRM specifications, and affects the iGPU voltage. The iGPU working voltage decreases proportionally to integrated graphics loading. A higher value can get a higher iGPU voltage, and a good performance, but decreases the CPU and VRM thermal conditions.

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5 **iGPU Current Capability**
A higher value brings wider total iGPU power range, and extends the overclocking frequency range simultaneously to enhance the iGPU performance.

---

6 **CPU Power Phase Control**
Increase phase number under heavy system loading to get more transient and better thermal performance. Reduce phase number under light system loading to increase VRM efficiency.

* The system automatically set the default to [Extreme] when using the Intel® iGPU.


Application help

Applies all the changes immediately

Undoes all the changes

Click to view more settings
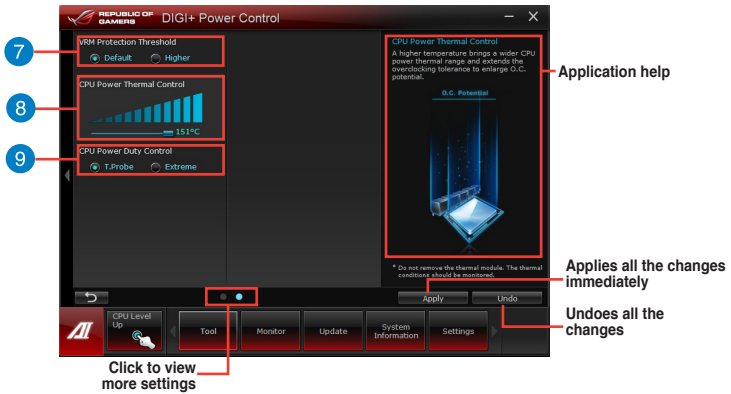
7	**VRM Protection Threshold**	
	It allows you to set the VRM protection to your motherboard from overheating accidents.	

8	**CPU Power Thermal Control**	
	A higher temperature brings a wider CPU power thermal range and extends the overclocking tolerance to enlarge overclocking potential.	

9	**CPU Power Duty Control**	
	It allows you to adjust the current of every VRM phase and the thermal conditions of every phase component.	

DRAM Power

Application help

Applies all the changes immediately

Undoes all the changes
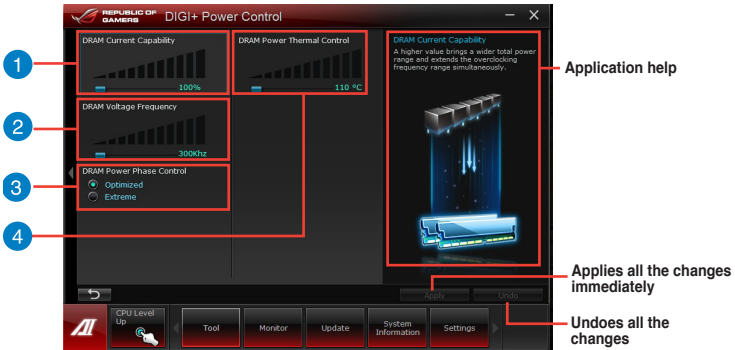
1. **DRAM Current Capability**
   A higher value brings a wider total power range and extends the overclocking frequency range simultaneously.

2. **DRAM Voltage Frequency**
   Allows you to adjust the DRAM switching frequency for system stability or to increase OC Range.

3. **DRAM Power Phase Control**
   Select Extreme for full phase mode to increase system performance or select Optimized for ASUS optimized phase tuning profile to increase DRAM power efficiency.

4. **DRAM Power Thermal Control**
   A higher temperature brings a wider DRAM power thermal range, and extends the overclocking tolerance to enlarge overclocking potential.

⚠
- The actual performance boost may vary depending on your CPU specification.
- DO NOT remove the thermal module. The thermal conditions must be monitored.

EPU

EPU is an energy-processing utility that provides several power-saving modes. When set to the Auto Mode, the system automatically changes its power-saving mode based on the current system condition.

You can also configure the system settings such as CPU frequency, GPU frequency, vCore Voltage, and Fan Control to customize a power-saving mode.

Launching EPU

To launch EPU, click **Tool > EPU** on the AI Suite II main menu bar.

Displays the following message if no VGA power saving engine is detected.

Multiple system operating modes

The items lighting up means power saving engine is activated

Displays the amount of CO2 reduced

*Shifts between the display of Total and Current CO2 reduced

Displays the current CPU power

Advanced settings for each mode

Displays the system properties of each mode

- Select **From EPU Installation** to show the CO2 that has been reduced since you installed EPU.

- ***Select From the Last Reset** to show the total CO2 that has been reduced since you click the Clear button [Clear].

- Refer to the software manual in the support DVD or visit the ASUS website at www.asus.com for detailed software configuration.
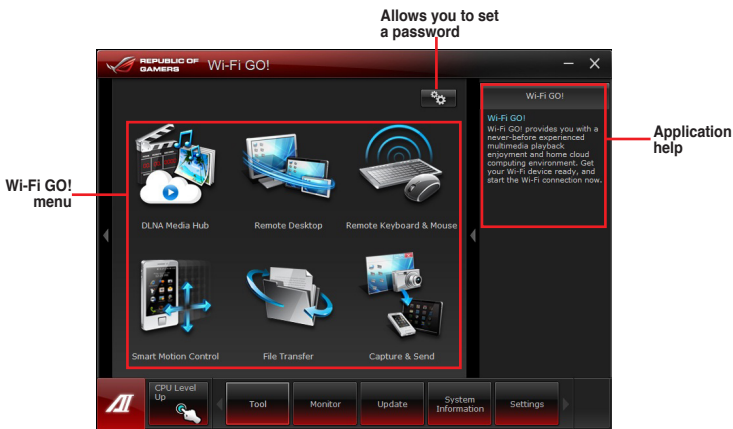
Wi-Fi GO!

Wi-Fi GO! allows you to wirelessly stream media files to DLNA devices, remotely control and access your computer using your mobile device, and easily transfer files between your computer and mobile device.

> • Install the mPCIe Combo with Wi-Fi module card and the driver before using this feature.
>
> • Wi-Fi GO! is supported only on Windows® 7/8.
>
> • All devices using the Wi-Fi GO! functions must be in the same network.
>
> • Wi-Fi module is not available on Maximus V Gene motherboard.

Using Wi-Fi GO!

To launch Wi-Fi GO!, click **Tool > Wi-Fi GO!** on the AI Suite II menu bar.

Wi-Fi GO! functions

• **DLNA Media Hub:** Provides support to the latest DLNA standard, and allows you to stream media files to a DLNA-supported device.

• **Remote Desktop:** Allows you to view your computer's desktop and remotely operate your computer in real-time from your mobile device.

• **Remote Keyboard and Mouse:** Allows you to use your mobile device's touch panel as a remote keyboard and mouse for your computer.

• **Smart Motion Control:** Allows you to remotely control your computer using your mobile device's customized motions.

• **File Transfer:** Allows you to transfer files between your computer and mobile device.

• **Capture and Send:** Allows you to take screenshots and send them to a mobile device.

> Launch Wi-Fi GO! Remote on your mobile device to use Wi-Fi GO! Remote control functions. For more details, refer to next section **Wi-Fi GO! Remote**.

Wi-Fi GO! Remote

Install the Wi-Fi GO! Remote application on your mobile device to use Wi-Fi GO!'s remote control functions.

- • Wi-Fi GO! supports iOS 4.0/Android 2.3 mobile devices or later versions.
- • For iOS devices, download the Wi-Fi GO! Remote from iTunes store. For Android devices, download the Wi-Fi GO! Remote from Google Play Store or from ASUS support DVD.
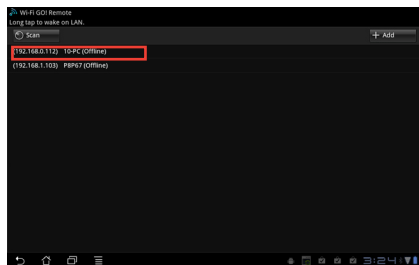

Launching Wi-Fi GO! Remote

1. Turn on your mobile device's Wi-Fi connection. Ensure that your mobile device is within the same network as your computer.

2. On your mobile device, tap ![icon] and tap **Enter** on the Wi-Fi GO! Remote page.

3. Tap the computer you want to connect to your mobile device.

Ensure to enable the WAKE-ON-LAN function of your computer. Right-click **Computer > Manage > Device Manager > Network Adapters**, right-click the selected module card, click **Properties > Power Management** and tick **Allow this device to wake the computer** and **Only allow a magic packet to wake the computer**.

Wi-Fi GO! Remote menu

Wi-Fi GO! menu

DLNA Media Hub	Remote Desktop	Remote Keyboard & Mouse
Smart Motion Control	File Transfer	Capture & Send
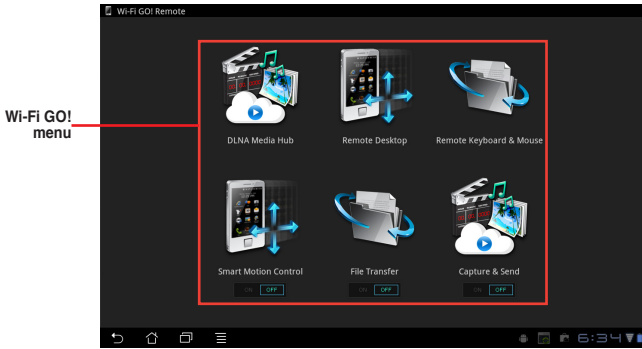
- Tap **ON** to enable Smart Motion Control, File Transfer and Capture and Send.
- The Wi-Fi GO! Remote's user interface shown above is for reference only and may vary with the mobile device's operating system.

Below are the supported screen resolutions of your mobile devices:

Screen type	Low Density (120, ldpi)	Medium Density (160, mdpi)	High Density (240, hdpi)	Extra high density (320, xhdpi)
Small screen	QVGA (240 x 320)		480 x 640	
Normal screen	WQVGA400 (240 x 400) WQVGA432 (240 x 432)	HVGA (320 x 480)	WVGA800 (480 x 800) WVGA854 (600 x 1024)	640 x 960
Large screen	WVGA800 (480 x 800) WVGA854 (480 x 854)	WVGA800 (480 x 800) WVGA854 (480 x 854) 600 x 1024		
Extra large screen	1024 x 600	WXGA (1280 x 800) 1024 x 768 1280 x 768	1536 x 1152 1920 x 1152 1920 x 1200	2048 x 1536 2560 x 1536 2560 x 1600

DLNA Media Hub

DLNA Media Hub allows you to stream your multimedia files to your DLNA-supported device and remotely control playback using your mobile device or your computer.

Click to select media file type

Tick to select source location

Click to refresh media files

Media files pane

Click to go back to main menu

Displays the target receiver's name and the media file currently playing

Click to edit the playlist

Click to select receiver
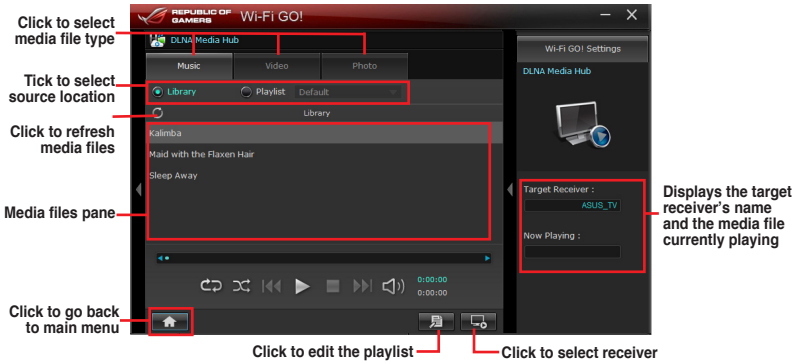
Using the DLNA Media Hub

1.   From the main screen, click **DLNA Media Hub**.

2.   Click [ ] to select a device as your receiver.

3.   Click any of the tabs to select your preferred media file type.

    •   When using your DLNA display (such as DLNA TV) as the receiver, ensure that DLNA function is enabled.

    •   When using another computer as the receiver, launch **Windows Media Player**, click **Stream > Allow remote control of my Player** to remotely control media playback.
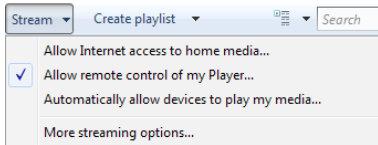
    •   When using the computer as sender and receiver, launch **Windows Media Player**, click **Stream > Allow remote control of my Player** and **Automatically allow devices to play my media**.
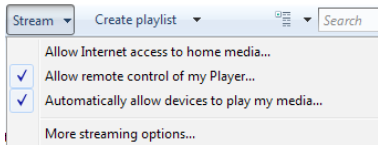
> • Only computers under Windows® 7 support the DLNA Media Hub function.
>
> • Keep the Windows Media Player open. Ensure that your media file formats are supported on Windows Media Player and DLNA playback devices.

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4.   Click any of the tabs to select your preferred media file type.

To play music:

1.   Click **Music** tab.

2.   Tick **Library** to view or play files.

   Tick **Playlist** and select an existing playlist from the dropdown list.
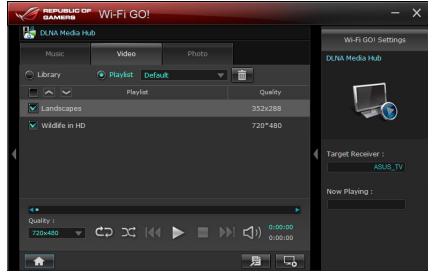
2.   Click a music file, and click ▶.
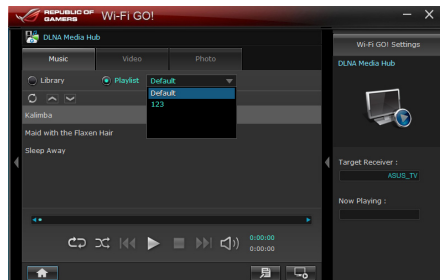
To edit the library:

1.   Tick **Library**.

2.   Click ![icon] to add or delete music files.

3.   Click **Add** and locate the file from the directory. To delete, tick the selected file and click **Delete**.

4.   Click **OK**.
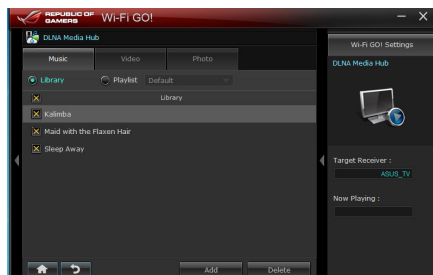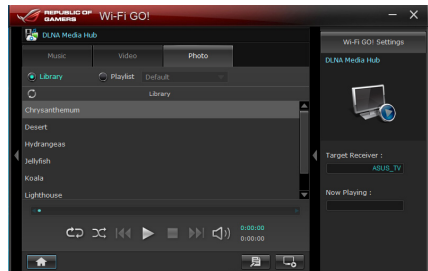
To edit the music playlist:

1. Tick **Playlist**.

2. Click ▦.

3. Tick to select or deselect the music file and click **Save Profile**.

4. Select the profile name and click **Save**. To add as a new playlist, key in your profile name and click **Save**.

5. To delete playlist, select the profile and click 🗑.
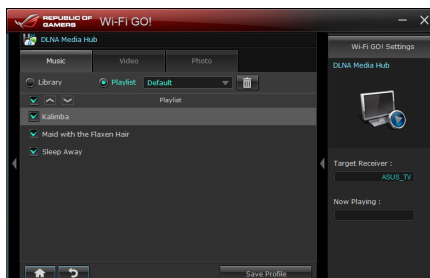
To play a video file:

1. Click **Video** tab.

2. Tick **Library** to view the video files from your local computer. Tick **Playlist** to view the video files saved in your profile.

3. Click the video file you want to watch, and click ▶.

4. Change the resolution from the **Quality** dropdown list.
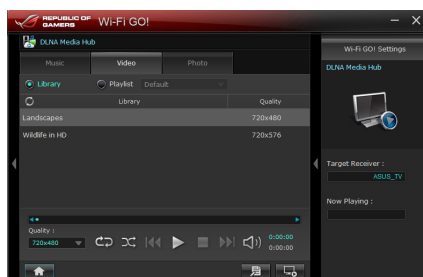
To edit the video library:

1. Tick **Library**.

2. Click ▦ to add or delete video files.

3. Click **Add** and locate the file from the directory. To delete, tick the selected file and click **Delete**.

4. Click **OK**.
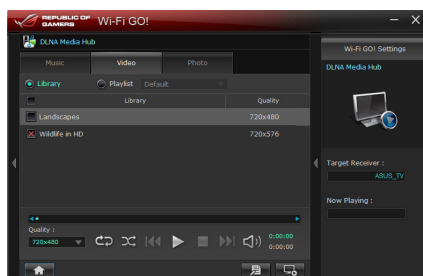
To edit the video playlist:

1. Tick **Playlist**.

2. Click [icon].

3. Tick to select or deselect the video file and click **Save Profile**.

4. Select the profile name and click **Save**. To add as a new playlist, key in your profile name and click **Save**.

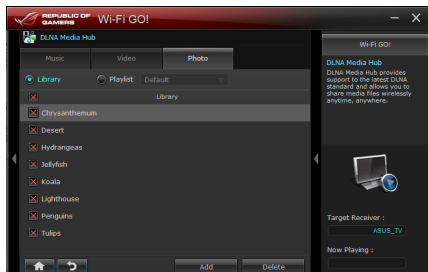5. To delete playlist, select the profile and click [icon].

To view images:

1. Click **Photo** tab.

2. Tick **Library** to view the image files from your local computer. Tick **Playlist** to view the image files saved in your profile.

   An image slideshow plays when pressing [icon].

To edit the image library:

1. Tick **Library**.

2 Click [icon] to add or delete image files.

3. Click **Add** and locate the file from the directory. To delete, tick the selected file and click **Delete**.

4. Click **OK**.

To edit the image playlist:

1. Tick **Playlist**.

2. Click ▣ .

3. Tick to select or deselect the image file and click **Save Profile**.

4. Select the profile name and click **Save**. To add as a new playlist, key in your profile name and click **Save**.

5. To delete playlist, select the profile and click 🗑.
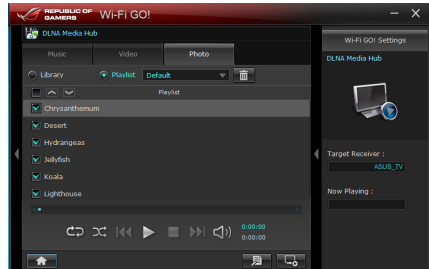
Using the DLNA Media Hub via Wi-Fi GO! Remote

You can access the DLNA Media Hub on your mobile device via Wi-Fi GO! Remote.

1. Tap **DLNA Media Hub**.

2. Select and tap the receiver name.

    | Receiver : | ASUS (ASUS-PC : WINDOWS MEDIA PLAYER) ▼ |

3. Tap **Music**, **Video** or **Photo**, select a file and tap ▶.

> Your mobile device's Wi-Fi GO! interface may vary with the mobile device's operating system.

Remote Desktop

Remote Desktop allows you to view your computer's desktop and remotely operate your computer in real-time from your mobile device.

Using the Remote Desktop

1. From the main screen, click **Remote Desktop**.

2. Select a suitable codec **Auto**, **Image optimization**, or **Speed optimization** for your mobile device.

3. Click **Apply**.

Click to select a video codec

Application help

Click to go back to main menu

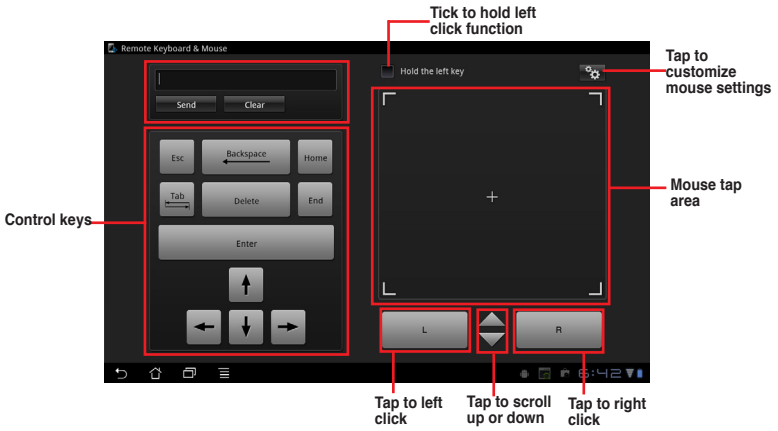**Using the Remote Desktop via Wi-Fi GO! Remote**

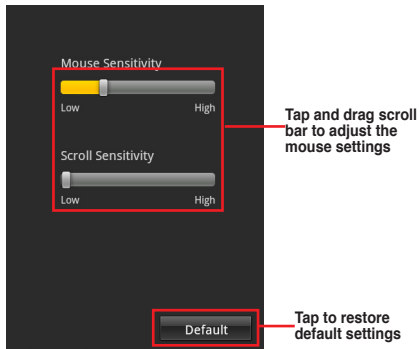When the **Remote Desktop** is enabled, the mobile device shows the contents of your desktop.

The Wi-Fi GO! Remote's user interface shown above is for reference only and may vary with the mobile device's operating system.

Remote Keyboard and Mouse

Allows you to use your mobile device's touch panel as a remote keyboard and mouse for your computer.

Tick to hold left click function

Tap to customize mouse settings

Mouse tap area

Control keys

Tap to left click

Tap to scroll up or down

Tap to right click

Mouse settings

Tap and drag scroll bar to adjust the mouse settings

Tap to restore default settings

Smart Motion Control

Allows you to customize your motions in your computer to launch an application or function using your remote-enabled mobile device.

> Before using Smart Motion Control, ensure that your computer is connected to your mobile device. For more details, refer to the section **Wi-Fi GO! Remote**.

Using the Smart Motion Control

1. Ensure to turn on the **Smart Motion Control** in your mobile device.

2. In your computer, click **Smart Motion Control** in the main menu. Three function tabs provide you the three types of remote control modes namely **Movement**, **Proximity**, and **Camera**. Your computer instantly detects the connected mobile devices.

3. From the dropdown lists of the Action fields ⬆, ⬇, ⬅, ➡ in the **Movement** tab, select the function that you want to correspond with the action.

4. Click **Apply & Save** to save and apply the settings immediately. Click **Apply** to launch the settings without saving it.

5. Move your device corresponding to your specified function.

6. In the **Proximity** tab, select the function or application that will launch or run in your computer when your mobile device's touch panel is near or close to a stationary or moving object.
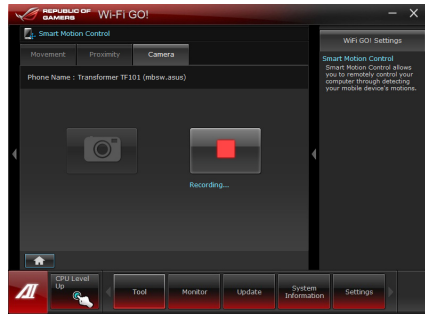
> Your device must support a motion sensor function.

7. In the **Camera** tab, click ⊙ to take pictures, or click ▬ to record a movie.

    The files are automatically saved in the mobile device's SD card.

File Transfer

Allows you to transfer files wirelessly between your computer and mobile device.

Ensure to turn on the File Transfer function in your mobile device.

Before using File Transfer, ensure that your computer is connected to your mobile device. For more details, refer to the section **Wi-Fi GO! Remote**.
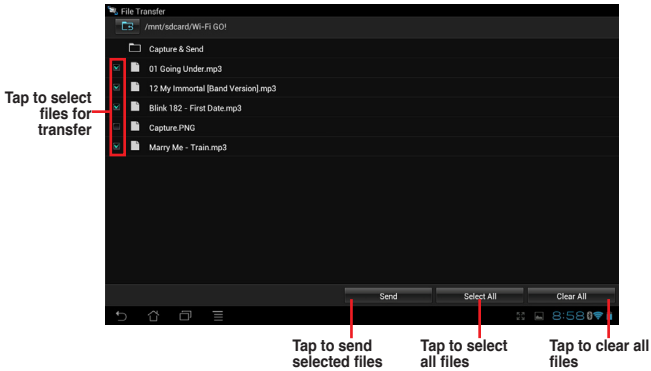

Application help

Destination path for the files transferred from mobile device to desktop

Click to go back to main menu

Click to browse a file for wireless transfer

Destination path for the files transferred from desktop to mobile device

- Android mobile devices can send and receive files.

- iOS mobile devices can only send files.

Using File Transfer

1. Right-click the file and click **Send to > [Device name]**.

2. After the transfer is complete, click **OK.**

Using File Transfer via Wi-Fi GO! Remote

When File Transfer is enabled, the mobile device shows the files in your mobile device.

Tap to select files for transfer

Tap to send selected files

Tap to select all files

Tap to clear all files

The Wi-Fi GO! Remote's user interface shown above is for reference only and may vary with the mobile device's operating system.

Capture & Send

Allows you to capture screenshots and send them wirelessly to other mobile devices.

Before using Capture and Send, ensure that your computer is connected to your mobile device. For more details, refer to the section **Wi-Fi GO! Remote**.
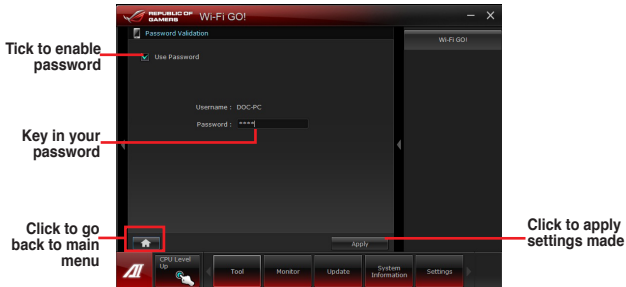

Application help

Click to go back to main menu

• This function only supports Android 2.3 and later versions.

• This function will be available on Wi-Fi GO! Remote 1.01.00 version.

Securing your computer for Wi-Fi GO! Remote functions

Wi-Fi GO! Settings allows you to create a password for your computer.

To create a password:

1.   Click ![icon] in the main menu.
2.   Tick **Use Password** and key in your password.
3.   Click **Apply**.

Tick to enable password

Key in your password

Click to go back to main menu

Click to apply settings made

•   When you launch the Wi-Fi GO! Remote, the application prompts you to key in the computer's password.

•   Your password must contain 6-12 letters or numbers or both.

FAN Xpert 2

FAN Xpert 2 automatically detects and tweaks all fan speeds, and provides you with optimized fan settings based on the fans' specifications and positions.

Launching FAN Xpert 2

To launch FAN Xpert 2, click **Tool > FAN Xpert 2** from the AI Suite II menu bar.

Using FAN Xpert 2 Auto Tuning

FAN Xpert 2's Fan Auto Tuning feature automatically detects the fans and their locations to provide you with optimized fan settings.

To use Fan Auto Tuning:

1. Click **Fan Auto Tuning** on the FAN Xpert 2 main menu.

2. Wait for the **Fan Auto Tuning Process** to complete, then click **Next**.
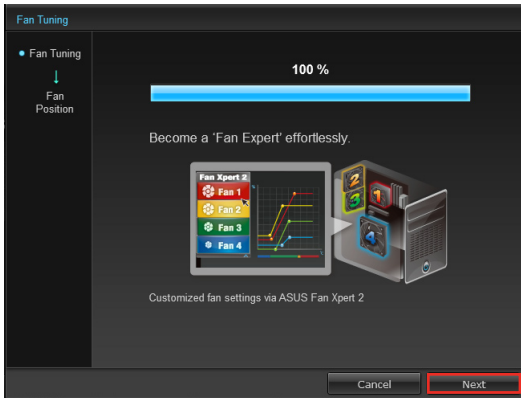
DO NOT remove your fan during the Fan Auto Tuning process.

3. From the **Fan Position** screen, check and assign the locations of your fans, then click **OK** to exit the screen.
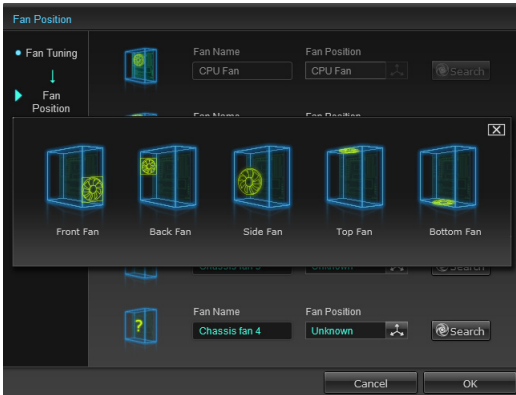
4. Select any of these fan customized settings for each fan.
   - **Silent:** Minimized fan speed for silent fan operation.
   - **Standard:** Balanced configuration between noise level and fan speed.
   - **Turbo:** High fan speed for high cooling capability.
   - **Full Speed:** Maximum fan speed.

Select one customized setting

Advanced Mode

FAN Xpert 2's Advanced Mode button [icon] allows you to adjust the reaction speed for fan rotation based on the system's temperature and to configure the fan's rotation per minute.

Click to switch window to Advanced Mode

Smart Mode

The Smart Mode allows you to adjust the reaction speed for fan rotation based on the system's temperature.
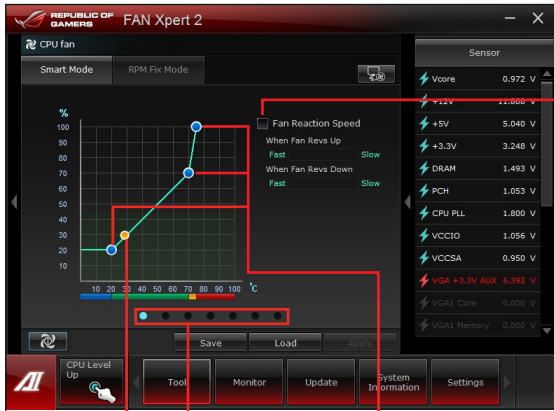
Tick to adjust the Fan Reaction Speed

Indicates the current CPU fan temperature

Click these to switch between CPU and chassis fan screens

Click and drag to make the adjustments

- **Silent:** Minimized fan speed for silent fan operation.
- **Standard:** Balanced configuration between noise level and fan speed.
- **Turbo:** High fan speed for high cooling capability.
- **Full Speed:** Maximum fan speed.

RPM Fixed Mode

The **RPM Fixed Mode** tab allows you to set your fan speed when CPU temperature is below 75 degrees.

Click and drag to make the adjustments

Click to switch between CPU fan window and chassis fan windows 1 to 4

- To protect your CPU, the fan will not automatically turn off even if you set the CPU fan power to 0.

- Only 4-pin CPU fans and 4-pin and 3-pin chassis fans are compatible with FAN Xpert 2.

- FAN Xpert 2 may not be able to detect your fan speed if your fan has an external control kit for rotation speed.

- 2-pin fans are only allowed to run at full speed.

Fan Information

Click [icon] to see the details of each detected fan. You can click on either [icon] to see the results in table format or [icon] to see the results in graph format.

Click to see the results in table format

Click to see the results in graph format

ASUS ROG AI Suite II
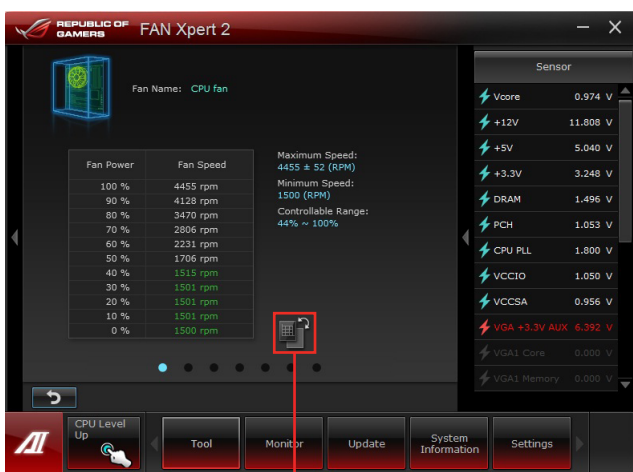
USB 3.0 Boost

ASUS USB 3.0 Boost technology supports UASP (USB Attached SCSI Protocol) and automatically increases a USB 3.0 device's transfer speed up to 170%.

Launching USB 3.0 Boost

To launch USB 3.0 Boost, click **Tool > USB 3.0 Boost** on the AI Suite II main menu bar.

Configuring USB 3.0 Boost

1.   Connect a USB 3.0 device to the USB 3.0 port.

     USB 3.0 Boost automatically detects the property of the USB 3.0 device and switches to Turbo mode or UASP mode (if UASP is supported by the USB 3.0 device).

2.   You can manually switch the USB 3.0 mode back to **Normal** mode at any time.

- Refer to the software manual in the support DVD or visit the ASUS website at www.asus.com for detailed software configuration.

- Due to Intel® chipset limitation, Intel® USB 3.0 ports do not support ASUS 3.0 Boost in Windows XP operating system.

- Use the USB 3.0 devices for high performance. The data transfer speed varies with USB devices.

Ai Charger+

This utility allows you to fast-charge your portable BC 1.1* mobile devices on your computer's USB port three times faster than the standard USB devices**.

- • * Check your manufacturer if your USB device is a Battery Charging Specification 1.1 (B.C.) compliant or compatible device.

- • ** Actual charging speeds may vary depending on the charging rate and specifications of your USB device.

- • To ensure normal charging function, disconnect and reconnect your USB device every time you enable or disable the Ai Charger+.

USB Charger+

This utility allows you to fast-charge your portable USB devices even if your PC is off, in Sleep Mode, or Hibernate Mode.

> • When you enable the ErP-ready option in the BIOS, the USB Charger+ will not operate under Sleep Mode, Hibernate Mode and Off mode.
>
> • MAXIMUS V GENE motherboard does not support USB Charger+

Launching the USB Charger+

To launch this utility, open the AI Suite II, then click **Tool > USB Charger+**.

Displays the status of the connected device*

Click to choose the USB fast-charging mode settings

Application help

Click to detect the currently connected device

Undoes all the changes

Applies all the changes immediately

* The illustration above shows that no device connected to your PC for fast-charging.

USB fast-charging mode settings

Click the dropdown box, and select a proper charge mode when your PC is off, in Sleep Mode, or Hibernate Mode.

- • **Disable:** disables the USB fast-charging function.
- • **ASUS:** fast-charges your connected ASUS devices.
- • **Apple:** fast-charges your connected Apple devices.
- • **Kindle:** fast-charges your Kindle devices.
- • **Others:** charges other portable USB devices.

> • The utility cannot detect the devices connected to your computer if the charging mode is enabled.
>
> • Some USB devices may not support fast-charging with USB Charger+ to protect the voltage settings.

Setting up the charging function

When a portable device is connected to the USB port of the PC, the USB Charger+ automatically detects the kind of your device.

Charging the device

Click [icon] to fast-charge your device.

Indicates that the portable device is in charging mode

Click to fast-charge your connected device.

Click to rescan the connected device.

Clicking the [icon] stops the charging of your connected device, and rescans for other detected devices. Click the [icon] to re-enable the fast-charging.

Disabling the charging function

Click [icon] to stop charging your device.

Click to stop fast-charging the connected device.

Probe II

Probe II is a utility that monitors the computer's vital components, and detects and alerts you of any problem with these components. Probe II senses fan rotations, CPU temperature, and system voltages, among others. With this utility, you are assured that your computer is always at a healthy operating condition.

Launching Probe II

To launch Probe II, click Tool > Probe II on the AI Suite II main menu bar.

Configuring Probe II

Click the **Voltage/Temperature/Fan Speed** tabs to activate the sensors or to adjust the sensor threshold values. The Preference tab allows you to customize the time interval of sensor alerts, or change the temperature unit.

Saves your configuration

Loads your saved configuration

Applies your changes

Loads the default threshold values for each sensor

Click **Monitor > Sensor** on the AI Suite II main menu bar and the system status will appear on the right panel.
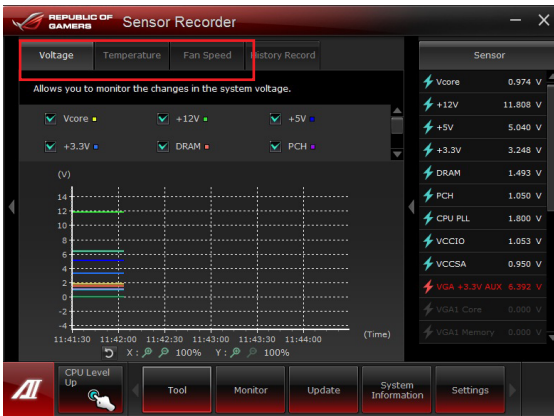
Sensor Recorder

Sensor Recorder monitors the changes in the system voltage, temperature, and fan speed on a timeline. The History Record function allows you to designate specific time spans on record to keep track of the three system statuses for certain purposes.

Launching Sensor Recorder

To launch Sensor Recorder, click **Tool > Sensor Recorder** on the AI Suite II main menu bar.

Using Sensor Recorder

Click **Voltage/ Temperature/ Fan Speed** tabs for the status you want to monitor. Colored lines will automatically appear on the diagram to indicate the immediate changes in the system status.

Using History Record

1. Click **History Record** tab and adjust the settings on the left for **Record Interval** and **Record Duration** according to need.

2. Click **Start Recording** to start measuring and recording each sensor.

3. To stop recording, click **Recording** again.

4. To track the recorded contents, set **Type/ Date/ Select display items** to display the history details.
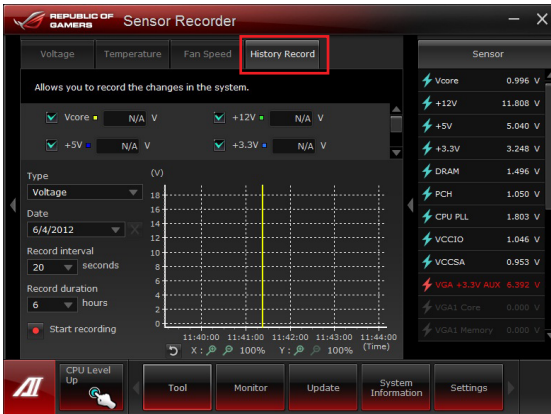
Click **Monitor > Sensor** on the AI Suite II main menu bar and the system status will appear on the right panel.
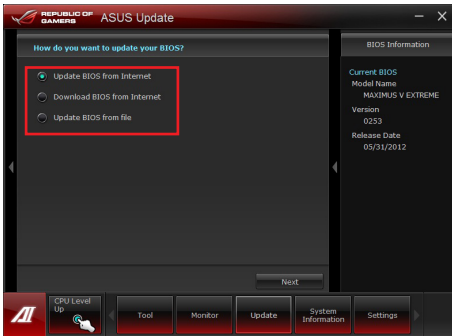
ASUS Update

ASUS Update is a utility that allows you to manage, save, and update the motherboard BIOS in Windows® environment.

Launching ASUS Update

To launch ASUS Update, click **Update> ASUS Update** on the AI Suite II main menu bar.

Using ASUS Update

Select any of these options to update the BIOS:

- **Update BIOS from Internet**

  Allows you to download the latest BIOS version from the ASUS website at www.asus.com and follow the onscreen instructions to update the BIOS.

- **Download BIOS from Internet**

  Download the latest BIOS version from the ASUS website at www.asus.com and save it for later use.

- **Update BIOS from file**

  Use the BIOS file that you had downloaded and saved to update the system BIOS.

> ⚠ Updating the BIOS poses some risks such as system instability or failure to boot. Before updating the BIOS, ensure that you back up the original BIOS file.
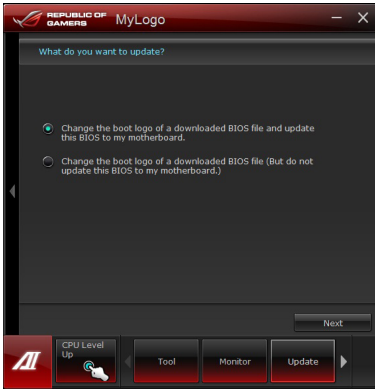
MyLogo2

MyLogo2 allows you to customize the boot logo, which is the image that appears on the screen during the Power On Self Tests (POST).

Launching MyLogo2

To launch MyLogo2, click **Update > MyLogo2** on the AI Suite II main menu bar.

Using MyLogo2

Select the option that you want to use to update your boot logo, click **Next** and follow the instructions below.

Change the boot logo of a downloaded BIOS file and update (or do not update) this BIOS to the motherboard

1.   From the **BIOS file** field, click **Browse** to locate the BIOS file.

2.   From the **Picture File** field, click **Browse** to locate the image for your boot logo, then click **Next**.
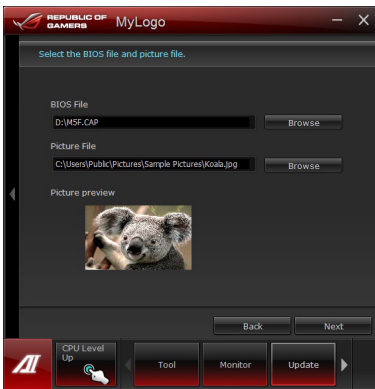
3. Do any of the following:

   • Click **Auto Tune** to adjust the image size or the image resolution.

   • Click **Booting Preview** to preview the boot image.

4. Click **Next**.
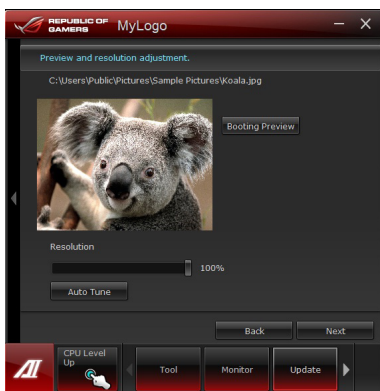
5. Click **Flash** to update the boot logo.

6. When prompted, click **Yes** to reboot the system. You will see the new boot logo the next time you start up the system.

Ensure to enable the **Full Screen Logo** in BIOS to use this feature.