# **Unique Features (X570 Series)**

BIOS Upda	ate Utilities	2
1-1	Updating the BIOS with the Q-Flash Utility	2
1-2	Updating the BIOS with the @BIOS Utility	5
1-3	Using Q-Flash Plus	6
APP Cente	ər	7
2-1	AutoGreen	8
2-2	Cloud Station	9
2-3	EasyTune	14
2-4	Fast Boot	15
2-5	Game Boost	16
2-6	RGB Fusion	17
2-7	Smart Keyboard	19
2-8	Smart Backup	20
2-9	System Information Viewer	
2-10	Smart Survey	23
2-11	USB Blocker	
2-12	USB TurboCharger	



Actual software supported may vary by motherboard model and OS verison. The software setup menus are for reference only.

# **BIOS Update Utilities**

GIGABYTE motherboards provide two unique BIOS update tools, Q-Flash<sup>™</sup> and @BIOS<sup>™</sup>. GIGABYTE Q-Flash and @BIOS are easy-to-use and allow you to update the BIOS without the need to enter MS-DOS mode. Additionally, this motherboard features the DualBIOS<sup>™</sup> design and supports Q-Flash Plus, providing multiple protection for the safety and stability of your computer.

#### What is DualBIOS<sup>™</sup>?

Motherboards that support DualBIOS have two BIOS onboard, a main BIOS and a backup BIOS. Normally, the system works on the main BIOS. However, if the main BIOS is corrupted or damaged, the backup BIOS will take over on the next system boot to ensure normal system operation.

#### What is Q-Flash Plus?

Q-Flash Plus allows you to update the BIOS when your system is off (S5 shutdown state). Save the latest BIOS on a USB thumb drive and plug it into the dedicated port, and then you can now flash the BIOS automatically by simply pressing the Q-Flash Plus button.

#### What is Q-Flash<sup>™</sup>?

With Q-Flash you can update the system BIOS without having to enter operating systems like MS-DOS or Window first. Embedded in the BIOS, the Q-Flash tool frees you from the hassles of going through complicated BIOS flashing process.

#### What is @BIOS<sup>™</sup>?

@BIOS allows you to update the system BIOS while in the Windows environment. @BIOS will download the latest BIOS file from the nearest @BIOS server site and update the BIOS.

# 1-1 Updating the BIOS with the Q-Flash Utility

## A. Before You Begin

- 1. From GIGABYTE's website, download the latest compressed BIOS update file that matches your motherboard model.
- Extract the file and save the new BIOS file (e.g. X570AORUSMASTER.F1) to your USB flash drive, or hard drive. Note: The USB flash drive or hard drive must use FAT32/16/12 file system.
- 3. Restart the system. During the POST, press the <End> key to enter Q-Flash. Note: You can access Q-Flash by either pressing the <End> key during the POST or click the Q-Flash icon (or press the <F8> key) in BIOS Setup. However, if the BIOS update file is saved to a hard drive in RAID/AHCI mode or a hard drive attached to an independent SATA controller, use the <End> key during the POST to access Q-Flash.



Because BIOS flashing is potentially risky, please do it with caution. Inadequate BIOS flashing may result in system malfunction.



Select Q-Flash to access Q-Flash

## B. Updating the BIOS

In the main menu of Q-Flash, use the keyboard or mouse to select an item to execute. When updating the BIOS, choose the location where the BIOS file is saved. The following procedure assumes that you have saved the BIOS file to a USB flash drive.

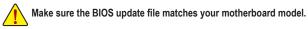
Step 1:

1. Insert the USB flash drive containing the BIOS file into the computer. In the main screen of Q-Flash, select Update BIOS.





- The **Save BIOS** option allows you to save the current BIOS file.
- Q-Flash only supports USB flash drive or hard drives using FAT32/16/12 file system.
- If the BIOS update file is saved to a hard drive in RAID/AHCI mode or a hard drive attached to an independent SATA controller, use the <End> key during the POST to access Q-Flash.
- 2. Select the BIOS update file.



Step 2:

The screen will show that the BIOS file is being read from your USB flash drive. Please select **Fast** or **Intact** to begin the BIOS update. The screen will then display the update process.

<u>^</u>:

Do not turn off or restart the system when the system is reading/updating the BIOS.
Do not remove the USB flash drive or hard drive when the system is updating the BIOS.

Step 3:

The system will restart after the update process is complete.

Step 4:

During the POST, press <Delete> to enter BIOS Setup. Select Load Optimized Defaults on the Save & Exit screen and press <Enter> to load BIOS defaults. System will re-detect all peripheral devices after a BIOS update, so we recommend that you reload BIOS defaults.



Select Yes to load BIOS defaults

Step 5:

Select **Save & Exit Setup** and press <Enter>. And then select **Yes** to save settings to CMOS and exit BIOS Setup. The procedure is complete after the system restarts.

# 1-2 Updating the BIOS with the @BIOS Utility

## A. Before You Begin

- 1. In Windows, close all applications and TSR (Terminate and Stay Resident) programs. This helps prevent unexpected failures when performing a BIOS update.
- If the BIOS is being updated via the Internet, ensure the Internet connection is stable and do NOT interrupt the Internet connection (for example, avoid a power loss or switching off the Internet). Failure to do so may result in a corrupted BIOS or a system that is unable to start.
- GIGABYTE product warranty does not cover any BIOS damage or system failure resulting from an inadequate BIOS flashing.



#### 1. Update the BIOS Using the Internet Update Function:



Click **Update from Server**, select the @BIOS server site closest to your location and then download the BIOS file that matches your motherboard model. Follow the on-screen instructions to complete.

ADRUS

Update

Flash Memory Type MXIC 25U128 Series

Flash Memory Size

O Current BIOS version

**BIOS Vendor** 

AMI UEFI BIOS

128M hits

from Server

Update

from File

Save

to File

Face

Wizard



If the BIOS update file for your motherboard is not present on the @BIOS server site, please manually download the BIOS update file from GIGABYTE's website and follow the instructions in "Update the BIOS without Using the Internet Update Function" below.

3

2. Update the BIOS without Using the Internet Update Function:



Click **Update from File**, then select the location where you save the BIOS update file obtained from the Internet or through other source. Follow the on-screen instructions to complete.

## 3. Save the Current BIOS File:



Click Save to File to save the current BIOS file.

## 4. Change the Boot-up Logo:



Click **Upload new image** in Face-Wizard and you will be able to change the boot-up logo with your own picture, creating a personalized boot-up screen. Click **Backup current image** to save the current boot-up logo.



Supported image formats include jpg, bmp, and gif.

## C. After Updating the BIOS

Restart your system after updating the BIOS.



- Make sure that the BIOS file to be flashed matches your motherboard model. Updating the BIOS
  with an incorrect BIOS file could cause your system not to boot.
- Do not turn off the system or remove the power during the BIOS update process, or the BIOS may corrupt and the system may not boot.

# 1-3 Using Q-Flash Plus

#### A. Before you use Q-Flash Plus, follow the steps below in sequence:

- 1. From GIGABYTE's website, download the latest compressed BIOS update file that matches your motherboard model.
- Uncompress the downloaded BIOS file, save it to your USB flash drive, and rename it to GIGABYTE.bin. Note: The USB flash drive must use the FAT32/16 file system.
- 3. Insert the USB flash drive into the white USB port on the back panel.
- Connect the power cables to the 12V power connector (connect either one if there are two) and main power connector.

## B. Using Q-Flash Plus

Press the Q-Flash Plus button and the system will automatically search and match the BIOS file in the USB flash drive on the white USB port. The QFLED and the Q-Flash Plus button on the rear panel will flash during the BIOS matching and flashing process. Wait for 2-3 minutes and the QFLED will stop flashing when the BIOS flashing is complete.



- Before using the Q-Flash Plus function, make sure that your system is off (S5 shutdown state). If your motherboard has a BIOS switch and a SB switch, reset them to their default settings. (Default setting for the BIOS switch: Boot from the main BIOS; default setting for the SB switch: Dual BIOS)
- After the main BIOS is flashed, the system will reboot automatically and then DualBIOS<sup>™</sup> will continue to update the backup BIOS. After completion, the system will reboot again and boot from the main BIOS.
- Q-Flash Plus will update the main BIOS only if run without the CPU installed. The system will shut down upon completion.

# **APP Center**

GIGABYTE App Center gives you easy access to a wealth of GIGABYTE apps that help you get the most from your GIGABYTE motherboard <sup>(Note)</sup>. Using a simple, unified user interface, GIGABYTE App Center allows you to easily launch all GIGABYTE apps installed on your system, check related updates online, and download the apps, drivers, and BIOS.

## **Running the APP Center**

Insert the motherboard driver disk. On the Autorun screen, go to **Application Software\Install GIGABYTE Utilities** to install GIGABYTE App Center and the selected apps. Restart your computer after the installation is complete. In Desktop mode, click the App Center icon are in the notification area to launch the App Center utility (Figure 1). On the main menu, you can select an app to run or click **LiveUpdate** to update an app online.



Figure 1

If the App Center is closed, you can restart it by clicking Launch App Center on the Start menu (Figure 2).



Figure 2

(Note) Available applications in APP Center may differ by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.

## 2-1 AutoGreen

AutoGreen <sup>(Note)</sup> is an easy-to-use tool that provides users with simple options to enable system power savings via a Bluetooth-enabled smart phone/tablet device. When the device is out of the range of the computer's Bluetooth receiver, the system will enter the specified power saving mode. Before using this app, you need to turn on Bluetooth on both your computer and smart phone/tablet device.

## The AutoGreen Interface



#### Control Tab:

The Control tab allows you to select a system power saving mode.

Button	Description
Disable	Disables this function
Standby	Enters Power on Suspend mode
Suspend	Enters Suspend to RAM mode
Hibernate	Enters Suspend to Disk mode

#### Bluetooth Devices Tab:

The **Bluetooth** tab allows you to pair your smart phone/tablet device with the Bluetooth receiver on your computer. Press **Refresh** to let AutoGreen search for the Bluetooth devices around you. A message will appear on both your computer and smart phone/tablet device prompting you to compare the passcodes on the two devices. Confirm to complete the pairing process.

(Note) Once your smart phone/tablet device has been paired with your AutoGreen-enabled computer, you'll not be able to use it to connect to other Bluetooth device(s).

## 2-2 Cloud Station

GIGABYTE Cloud Station (Server) is composed of HomeCloud, GIGABYTE Remote, Remote OC, and HotSpot, which allow your smart phone, tablet device, and remote computer to communicate, share resources, and control the host computer via wireless connection. Cloud Station allows your computer to share files with another computer that has Cloud Station (Server) installed.

## Before You Begin:

- To use HomeCloud, GIGABYTE Remote, and Remote OC, you must install GIGABYTE Cloud Station on your smart phone/tablet device. (For Android systems, please download the app from Google Play; for iOS systems, please download it from App Store.) <sup>(Note 1)</sup>
- To share HomeCloud files between computers, you need to install Cloud Station (Server) on the host computer and Cloud Station on the remote computer.
- Your smart phone/tablet device must have Android 4.0/iOS 6.0 or above version.
- The first time you use HomeCloud, GIGABYTE Remote, and Remote OC, you must sign in with your Google/ Facebook/Windows Live account. Be sure to use the same account to sign in on your smart phone/tablet device and computers.

#### HomeCloud

HomeCloud allows you to upload/download/back up files (Note 2) from your smart phone/tablet device/computer to the host computer.

## The HomeCloud Interface

Cloud Station (Server):



- (Note 1) You can use your smart phone/tablet device to scan the QR code on the HomeCloud UI to link to the download page of the GIGABYTE Cloud Station on App Store or Google Play.
- (Note 2) For iOS systems, the file types are limited to image/video files.

#### **Cloud Station:**



#### Using HomeCloud

Step 1:

Launch HomeCloud on the host computer (installed with Cloud Station (Server)), sign in with your Google/ Facebook/Windows Live account or select the account on the **Account List**. Then enable **HomeCloud Function**. To automatically enable this function after system reboot, enable **Always run on next reboot**. Step 2:

Run Cloud Station on your smart phone/tablet device/remote computer, sign in with the same account you use for HomeCloud on your host computer. Tap on **HomeCloud** to perform the following functions:

#### On the Host Computer:

Option	Function	
Account List	Displays currently signed in account(s).	
Remove	Remove the selected account.	
Share Folder	Displays the shared folder directory of the currently signed in account.	
Open Folder	Access the shared folder of the currently signed in account.	

#### On the Smart Phone/Tablet Device/Remote Computer:

Option	Function	
All Picture Files	<ul> <li>File Upload: Tap on the folder, browse and select the files inside. Tap on the menu icon and select Upload selected Files to upload the files to your computer.</li> <li>File Download: Tap on the folder and then tap on the menu icon, select Download Files. You can browse the files and select the files that you want to download to your</li> </ul>	
All Music Files		
All Video Files		
All Files	smart phone/tablet device.	
User Contacts	Tap on the folder and then tap on the menu icon to use the options including Backu	
Call Log	to remote, Restore From remote, View Remote Contact, and Reselect Computers.	

#### **GIGABYTE Remote**

GIGABYTE Remote allows you to use your smart phone/tablet device to remotely control the mouse/keyboard/ Windows Media Player on your computer.

## The GIGABYTE Remote Interface



## Using GIGABYTE Remote

Step 1:

On the host computer, launch GIGABYTE Remote and enable **GIGABYTE Remote Function**. To automatically enable this function after system reboot, enable **Always run on next reboot**. Step 2:

Run GIGABYTE Cloud Station on your smart phone/tablet device, sign in with the same account you use for HomeCloud on your computer. Tap on **Remote Control** to perform the following remote controls:

Option	Function
Mouse	Remotely perform mouse functionalities including dragging, right/left-clicking, and holding the mouse left button.
Keyboard	Remotely control your keyboard such as text input (tap on Real-Time Mode to type texts) or deletion.
Media	Remotely configure and control the currently running Windows Media Player application on your computer.

#### On the Smart Phone/Tablet Device:

#### Remote OC

Remote OC provides you with remote control options including overclocking and system tweaking, system monitoring plus the ability to also remotely power down/reset the PC when needed.

## The Remote OC Interface



## Using Remote OC

Step 1:

On the host computer, launch Remote OC and enable **Remote OC Function**. To automatically enable this function after system reboot, enable **Always run on next reboot**.

Step 2:

Run GIGABYTE Cloud Station on your smart phone/tablet device, sign in with the same account you use for HomeCloud on your computer. Tap on **Remote OC** to perform the following functions:

Option	Function
Tuner	Allows you to change CPU/memory frequency and voltage settings.
INFO	Displays the system information, including the CPU, motherboard, and memory.
HW MONIT	Allows you to monitor system temperatures, voltages, and fan speeds.
QUICK BOOST	Provides you with three preset overclocking configurations.
CONTROL	Allows you to remotely reboot or shut down your computer.

#### On the Smart Phone/Tablet Device:

#### HotSpot

HotSpot turns your computer into a virtual wireless access point and allows you to share your connection with your other wireless devices. Make sure your computer has been connected to a network and Wi-Fi is enabled.

## The HotSpot Interface

CAURUS Cloud Station (Sever) 0 8
NotSpot
Make this network connection available for sharing
Available HotSpot device
DI22
SSID
HotSpot Password(must have at least 8 characters.)
Password
Start
Hol5pot utility allows desistop's Internet connection share to other devices like tablet, or smart phone. This utility is based on WFI Hol5pot technology and it requires WFI card and useable Internet connection.
ا الله الله الله الله الله الله الله ال

## Using HotSpot:

Configuring your host computer: The options are as follows. Make sure to click **Start** to complete.

- Make this network connection available for sharing: Select a currently running network connection you want to share.
- Available HotSpot device: Select a network virtual adapter. If there are more than one Wi-Fi card on your computer, you need to select the one you want to use from the list.
- SSID:

The hotspot SSID name. You can keep the default name or create your own one.

HotSpot Password(must have at least 8 characters):

The password is required when other wireless devices want to access the Internet through the virtual wireless access point. You can keep the default name or create your own one. The password must have at least 8 characters and cannot be empty.

#### Sharing your connection with other wireless devices:

First make sure Wi-Fi is enabled on the wireless devices. Then browse to the network configuration screen, search for available Wi-Fi networks, and tap the name of your virtual wireless access point, enter the password, and confirm.

# 2-3 EasyTune

GIGABYTE's EasyTune is a simple and easy-to-use interface that allows users to fine-tune their system settings or do overclock/overvoltage in Windows environment.

## The EasyTune Interface



#### **Tabs Information**

Tab	Description
C Smart Boost	The <b>Smart Boost</b> tab provides you with different levels of CPU frequency to choose to achieve desired system performance. After making changes, be sure to restart your system for these changes to take effect.
Advanced CPU OC	The <b>Advanced CPU OC</b> tab allows you to set CPU base clock, frequency, and voltages, and integrated graphics frequency. You can save the current settings to a profile. You can create up to 2 profiles.
Advanced DDR OC	The Advanced DDR OC tab allows you to set the memory clock.
State of the second sec	The Advanced Power tab allows you to adjust voltages.
K Hotkey	The HotKey tab allows you to set hotkeys for your profiles.



Available functions in EasyTune may vary by motherboard model and CPU. Grayed-out area(s) indicates that the item is not configurable or the function is not supported.



or other unexpected results may occur.

Incorrectly doing overclock/overvoltage may result in damage to the hardware components such as CPU, chipset, and memory and reduce the useful life of these components. Before you do the overclock/overvoltage, make sure that you fully know each function of EasyTune, or system instability

# 2-4 Fast Boot

Through the simple GIGABYTE Fast Boot interface, you can enable or change the **Fast Boot** setting right in the operating system.

## The Fast Boot Interface

<b>C</b> ADRUS	
Past Boot	
BIOS Fast Boot	
<ul> <li>Disabled</li> <li>Enabled</li> <li>Ultra Fast</li> </ul>	
Enter BIOS S	etup Now
Save	Exit

## Using Fast Boot

#### BIOS Fast Boot:

This option is the same as the **Fast Boot** option (Note) in BIOS Setup. It allows you to enable or disable the fast boot function to shorten OS boot time.

After you configure the settings, click **Save** to save and click **Exit**. The settings will take effect on next boot. If you click the **Enter BIOS Setup Now** button, the system will restart and enter BIOS Setup immediately.

(Note) For more details about this function, refer to Chapter 2, "BIOS Setup."

# 2-5 Game Boost

This app allows you to flexibly manage your applications to optimize your gaming performance by freeing up system resources and memory usage.

## The Game Boost Interface



## **Using Game Boost**

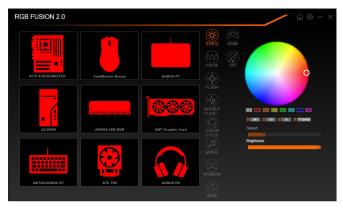
Select the application you want to suspend and then click **Go** to optimize your system for gaming. To revert the computer back to the state it was before, click **Revert**. In addition, two hotkeys are provided as follows:

- Optimize(Ctrl+Alt+B): Automatically optimizes your gaming platform and gaming performance.
- Revert(Ctrl+Alt+R): Restores your computer back to the state before the gaming begins.

# 2-6 RGB Fusion

This application allows you to enable or specify the lighting mode of the select device  $^{(\mbox{Note 1})}$  while in the Windows environment.

## The RGB Fusion Interface



## Using RGB Fusion

- The initial icon on the top right corner: Allows you to return to the main menu.
   The initial icon on the top right corner: Allows your computer to connect to the GIGABYTE RGB Fusion apprints installed on your handheld devices. (Note 2)
- Click the icon of the desired device and select the LED color/ lighting behaviour on the right section of the screen.

Static	All LEDs emit a single color.
Pulse	All LEDs simultaneously fade in and fade out.
Flash	All LEDs simultaneously flash on and off.
Double Flash	All LEDs flash in an interlaced pattern.
Color Cycle	All LEDs simultaneously cycle through a full spectrum of colors.
Music	All LEDs are synchronized with your music.
Random	Single LED regions flash randomly.
Wave	A full color spectrum cascades throughout the LED.
Game	All LEDs are synchronized with your game.
Off	Turn off all LEDs.

- (Note 1) RGB Fusion will automatically search for the devices that have LED lighting feature and display them on the list.
- (Note 2) Please download the **RGB Fusion** app from App Store or Google Play.

X570 AORUS MASTER				🖊 🏠 🖗 – ×
	LED_C2	Digital LED	STATIC Digital C	1 Å 🕺
			FLASH Digital E	
. 1			DOUBLE Digital F	
830			COLOR Digital G Speed	0 ¥ [FF2100
			Digital Digital H Wave	
		Digital LED		
			Digital B OFF APPLY	RESET

 Options for controlling the LEDs on the motherboard and digital LED strip. Click the motherboard icon for further settings. <sup>(Note)</sup>

Static	The selected region LEDs emit a single color.
Pulse	The selected region LEDs simultaneously fade in and fade out.
Flash	The selected region LEDs simultaneously flash on and off.
Double Flash	All LEDs flash in an interlaced pattern.
Color Cycle	All LEDs simultaneously cycle through a full spectrum of colors.
Digital Wave	A full color spectrum cascades throughout the armor LED.
Digital A~I Mode	Provides multiple digital lighting mode throughout the armor LED and LED strip.
Off	Disable the selected region LEDs.

Select your desired area and select the LED color/ lighting behaviour on the right section of the screen.

(Note) Regions/Modes/Colors available may vary by motherboard.

# 2-7 Smart Keyboard

GIGABYTE Smart Keyboard allows you to set your own hotkeys using the F1 through F12 keys. You can use the customized hotkeys to change the mouse sensitivity, replace a word or password, open a file or an application, all of which helps to make the most out of your keyboard and mouse.

## The Smart Keyboard Interface



## Using Smart Keyboard

Select one of the F1 through F12 keys and configure the following functions:

Marco Key:

Allows you to assign key strokes to the selected key, or use the key to record mouse location, or set time interval between each keystroke.

• Sniper Key:

Using this option, you can switch the mouse sensitivity when you are in sniper mode for better sniper accuracy.

Smart Cut:

Allows you to create keyboard shortcuts for a file or an application.

Smart Key:

Allows you to give the selected key the ability to replace to a word or password.

• Disable:

Allows you to disable the functionality of particular key(s).

After completing the settings, make sure to click Enable keyboard monitor function on the top right corner.

• Save:

Save current settings as a profile.

• Load:

Load a previously save profile.

(Note) It is recommended that Smart Keyboard be closed if it violates the end user license agreement of your game.

# 2-8 Smart Backup

Smart Backup allows you to back up a partition as an image file every hour. You can use these images to restore your system or files when needed.

CAORUS	
() Smart Backup	
Settings	
	Settings
Backup	
Name	Badsup Now
Free Space:	
Recovery	
	Nie Recovery
Pause smart backup process	

The Smart Backup main menu:

Description		
Allows you to select the source and destination partition		
Allows you to create a rescue drive		
Allows you to perform the backup immediately		
Allows you to recover your files from the backup		
image		
Allows you to recover your system from the		
backup image		

- Smart Backup only supports NTFS file system.
   You pood to select the destination partition in
  - You need to select the destination partition in Settings the first time you use Smart Backup.
  - The Backup Now button will be available only after 10 minutes you have logged in Windows.
  - Select the Always run on next reboot checkbox to automatically enable Smart Backup after system reboot.

Source		
Drive	Total Space	U
B B Hitachi HD5721050CLA660	465.762GB	
E CAL 1	465.209GB	
Destination		•
Destination Select the backup destination.		ł
Destination Select the backup destination. Drive	Total Space	•
Destination Select the backup destination. Drive B-DI Httachi HDS721055CLA660	465.762GB	• U
Destination Select the backup destination. Drive		•

#### Creating a backup:

Click the **Settings** button on the main menu. In the **Settings** dialog box, select the source partition and destination partition and click **OK**. The initial backup will start after 10 minutes and regular backup will be performed hourly. Note: By default, all partitions on the system drive are selected as the backup source. The backup destination cannot be on the same partition as the backup source.

#### Saving the backup to a network location:

If you want to save the backup to a network location, select **Browse network location**. Make sure your computer and the computer where you want to save the backup are in the same domain. Choose the network location where you want to store the backup and enter the user name and password. Follow the on-screen instructions to complete.

l 🛛 🚺 ¥ l Documen le Home Share	ts Vew			- 0	×
→ ~ 个 問 > Th	is PC > Bocuments >	~ (	Search Doci	ments	,0
	Nov				
Q					
Curck access	Name	Date modified	Type	See	
Deck access	My Eachop	5/18/2017 4-54 PM	Filefalder		
	Snagh Catalog	5/10/2017 2:04 PM	Filefalder		
Downloads #	Lerrep .	5/10/2017 3/21 PM	Filefolder		
E Picturei /					
Music					
Videce					
399 App Center					
Condition					
This PC					
USB Drive (*)					

#### Recovering a file:

Click the **File Recovery** button on the main menu. Use the time slider on the top of the popped out window to select a previous backup time. The right pane will display the backed-up partitions in the backup destination (in the **My Backup** folder). Browse to the file you want and copy it.

CAORUS	
() Smart Backup	
Backup Location Select the partition where the badup is locate	4
[5:\[] [Size: 46568]	
Backup Timeline	
22/25/2017 11:19:05	12/25/2017 11:19:05
Partition to restore Select the partition where you want to restore backed-up partitions will be selected.	e the backup to. Bγ default, all of the
C:\[Empty]	
All of the user data and programs will be erass backup. Make sure to back up your data befor	id and replaced with those on the selected ie the restoration if needed.
Restore	Cancel

#### Recovering your system with Smart Backup: Steps:

- 1. Click the System Recovery button on the main menu.
- 2. Select the location where your backup is saved.
- 3. Use the time slider to select a time point.
- 4. Select a partition backup created on the selected time point and click **Restore**.
- Confirm whether to restart your system to proceed with the restore immediately or later. Once you respond "Yes" the system will restart to the Windows recovery environment. Follow the onscreen instructions to restore your system.



All of your files and programs will be deleted and replaced with those on the selected backup. If needed, be sure to make a copy of your data before the restore.

# 2-9 System Information Viewer

GIGABYTE System Information Viewer allows you to monitor and adjust the fan speed in the operating system. You can also display the hardware monitor information on the desktop to view the system status at any time.

# The System Information Viewer Interface

🕻 ADRUS Sy	stem Information Vi		$ \land $	* = • • •
j System Information	Smart Fan 5 Auto	Smart Fan 5 Advanced	Alert System Alert	
Clocks CPU BCLK Multiplier DDR	3798.27 MHZ 99.95 MHZ 38 2131.93 MHZ			imple: 2DS10488M4GH2_38/34_N N/A 0 nm imple: 2DS10488M4GH2_38/34_N 4 8
wo Motherboard Model Bios Version	XS70 AORUS MASTER OS	Siot Serial Number Type ModuleSize Max.Bandwidth Manufacturer Manufacturer Date	Slot #0	0000000 DRIVSDRAM 8192 MBytes PC17100(1066 MH2) G Stell Intl N/A

#### **Tabs Information**

Tab	Description
<b>i</b> System Information	The <b>System Information</b> tab provides information on the installed CPU, motherboard, and the BIOS version.
Smart Fan 5 Auto	The Smart Fan 5 Auto tab allows you to specify a Smart Fan mode.
Smart Fan S Advanced	The <b>Smart Fan 5 Advanced</b> tab allows you to adjust the smart fan speed. The fans will run at different speeds according to system temperatures. Using the <b>Smart Fan</b> option you can adjust the fan's workload according system temperatures or you can fix the fan speeds using the <b>RPM Fixed Mode</b> option. Click the <b>Calibrate</b> button and the fan speed will be shown in relation to overall fan workload after calibration. The <b>Reset</b> button can revert the fan settings back to the last saved values. A Noise Detection provides detection of the noise level (measured in decibels) inside the chassis.
System Alert	The <b>System Alert</b> tab allows you to monitor hardware temperature, voltage and fan speed, and set temperature/fan speed alarm. allows you to select what information to be displayed in quick mode (by default, all of the hardware information are displayed); allows you to enable alert notification, click <b>Apply</b> after selection.
Record	The <b>Record</b> tab allows you to record changes in system voltages, temperatures, fan speeds, and noise. Please note, the recording will stop if you exit the <b>Record</b> tab during the recording process.

• The speed control function requires the use of a fan with fan speed control design.

• To use the noise detection function, you must have a motherboard with a noise detection header.

# 2-10 Smart Survey

GIGABYTE Smart Survey collects, processes, and sort certain types of non-personal information on how you and others use our motherboards. The information collected is data related to system specs, including CPU model, OS version, MAC address, memory etc. This information is used to help us understand how well our products perform over time, to detect issues and to identify potential product improvements.

## The Smart Survey Interface

Smart Survey
Privacy Statement
Gigabyte uses technologies which collect, process and sort certain types of non-personal information on how you and others use our motherboards. The information collected is data related to system specs, including CPU model, OS version, MAC address, memory etc. (For a complete list of collected data, citick here). This information is used to help us understand how well our products perform over time, to detet Issues and to identify potential product improvements. By clicking "Agree" below, you consent to Gigabyte" s collection of this information.
Here
Send your device data to Gigabyte.
I Do Not Agree
All data will be immediately deleted from Gigabyte server.

## **Using Smart Survey**

- Clicking "Here": Allows you to check the complete list of collected data.
- Sending Device Data to GIGABYTE: Selecting I Agree means you consent to GIGABYTE's collection of your device data. Smart Survey will not collect any data if you select I Do Not Agree.
- Clicking "Delete All": All data will be immediately deleted from Gigabyte server.

# 2-11 USB Blocker

GIGABYTE USB Blocker provides you with an easy-to-use interface that allows you to block certain USB device types on your PC. Devices classes that are blocked will be ignored by the operating system.

## The USB Blocker Interface

<b>C</b> ADRUS	$\Delta$
USB Blocker	
Device List	Status
<ul> <li>Communication device class</li> </ul>	Unblocked
O Printer	Unblocked
O Mass Storage	Unblocked
<ul> <li>Smart Card</li> </ul>	Unblocked
<ul> <li>Vendor Specific</li> </ul>	Unblocked
ОК	

# Using USB Blocker

Select the class of USB device that you would like to block or unblock. Double left-click to change the **Blocked** or **Unblocked** status and click **OK**. Then enter your password and click **OK** to complete.

# 2-12 USB TurboCharger

GIGABYTE USB TurboCharger supports the quick charging technologies <sup>(Note 1)</sup> of Apple's and Android<sup>™</sup> QC 3.0's smart phones/tablet devices. It allows you to quick-charge your device(s) connected to the front USB 3.1 Gen 1 type A port (s) with the required mode.

## The USB TurboCharger Interface

CADRUS	boCharger
Front USB 3.0 Port 1	Standard     Quick Charge     Ifer Indexide QC 310 devices     Apple Fast-Charge     Ifer Agele IPone IL/X devices
Front USB 3.0 Port 2	Standard     Quick Charge     (For Android ** QC 3.0 devices)     Apple Fast-Charge     (or Apple Fast-Charge
Run at log on to Windows The Android robot is reproduced from work of Android is a trademark of Google LLC. Apple is a trademark of Apple Inc.	

#### Using USB TurboCharger

The quick-charging performance of each connector may vary by the device used. Refer to the table below to select a proper way to charge:

	Apple	Android <sup>™</sup> QC 3.0
Standard	Used as a normal USB 3.1 Gen 1 port	Used as a normal USB 3.1 Gen 1 port
Quick Charge (Note 2)	✓ * Provides maximum output power of 10 W	✓ * Provides maximum output power of 18 W
Apple Fast Charge (Note 3)	<ul> <li>Provides maximum output power of 15 W</li> </ul>	×

✓ : Supports quick-charge, ★: Not support quick-charge.



While the system is in S3/S4, the Quick Charge and Apple Fast-Charge modes can only deliver 5V standby power, and the two front USB ports together can provide a total power of up to 10 W and do not support PME Event Wake Up function.

- (Note 1) Quick-charging protocols supported: Apple and Samsung<sup>®</sup> divider charging profile at 5V@2.4A and 5V@2A, Qualcomm<sup>®</sup> Quick Charge 3.0<sup>™</sup> at 3.6V~12V (QC3.0), backward compatible Quick Charge 2.0<sup>™</sup> at 5V/9V/12V (QC2.0), Battery Charging Specification v1.2 DCP 5V@1.5A.
- (Note 2) The file transfer function is not supported in this mode.
- (Note 3) This is the recommended mode when Apple iPhone 8 / iPhone 8 plus / iPhone X is connected.