Configuring Audio Input and Output

1-1	Configuring 2/4/5.1/7.1-Channel Audio	2
1-2	Configuring S/PDIF Out	6
1-3	Stereo Mix	6
1-4	Using the Voice Recorder	8

After you install the included motherboard drivers, make sure your Internet connection works properly. the system will automatically install the audio driver from Microsoft Store. Restart the system after the audio driver is installed.

1-1 Configuring 2/4/5.1/7.1-Channel Audio

The picture to the right shows the default six audio jacks assignment.



Audio Jack Configurations:

Jack	Headphone/ 2-channel	4-channel	5.1-channel	7.1-channel
Center/Subwoofer Speaker Out			~	¥
Rear Speaker Out		~	~	~
Side Speaker Out				~
Line In				
Line Out/Front Speaker Out	~	~	~	~
Mic In				

The picture to the right shows the default five audio jacks assignment.

To configure 4/5.1/7.1-channel audio, you have to retask either the Line in or Mic in jack to be Side speaker out through the audio driver.



Audio Jack Configurations:

Jack	Headphone/ 2-channel	4-channel	5.1-channel	7.1-channel
Center/Subwoofer Speaker Out			~	~
Rear Speaker Out		~	~	~
Line In/Side Speaker Out				~
Line Out/Front Speaker Out	~	~	~	~
Mic In/Side Speaker Out				~



You can change the functionality of an audio jack using the audio software.

The picture to the right shows the default three audio jacks assignment.



Audio Jack Configurations:

Jack	Headphone/ 2-channel	4-channel	5.1-channel	7.1-channel
Line In/Rear Speaker Out		~	~	~
Line Out/Front Speaker Out	~	~	~	~
Mic In/Center/Subwoofer Speaker Out			~	~
Front Panel Line Out/Side Speaker Out				~

The picture to the right shows the default two audio jacks assignment.



Audio Jack Configurations:

Jack	Headphone/ 2-channel	4-channel	5.1-channel	7.1-channel
Line Out/Front Speaker Out	~	~	~	~
Mic In/Rear Speaker Out		~	~	~
Front Panel Line Out/Side Speaker Out				~
Front Panel Mic In/Center/Subwoofer Speaker Out			~	~



You can change the functionality of an audio jack using the audio software.

A. Configuring Speakers

Step 1:

Go to the Start menu click the **Realtek Audio Console**. For speaker connection, refer to the instructions in Chapter 1, "Hardware Installation," "Back Panel Connectors."



Step 2:

Connect an audio device to an audio jack. The Which device did you plut in ? dialog box appears. Select the device according to the type of device you connect. Then click OK.



Step 3:

Click the **Device advanced setting** on the left. Select the **Mute the internal output device, when an external headphone plugged in** check box to enable 7.1-channel audio.



Step 4:

On the **Speakers** screen, click the **Speaker Configuration** tab. In the **Speaker Configuration** list, select **Stereo**, **Quadraphonic**, **5.1 Speaker**, or **7.1 Speaker** according to the type of speaker configuration you wish to set up. Then the speaker setup is completed.



B. Configuring Sound Effect

You may configure an audio environment on the Speakers tab.

* Configuring the Headphone

When you connect your headphone to the Line out jack on the back panel or front panel, make sure the default playback device is configured correctly.



Step 2: Select Sound Control Panel.

senuto	- 0 ^
A Home	Sound
Find a setting $ \rho $	
System	Advanced sound options
🖵 Display	App volume and device preferences Customize app volumes and the speakers or devices they use.
40 Sound	Related Settings
Notifications & actions	Bluetooth and other devices
ال Focus assist	Sound Control Panel
O Power & sleep	Microphone privacy settings Ease of Access audio settings
🗆 Storage	
Tablet mode	Have a question?
E Multitasking	san on p
Projecting to this PC	Make Windows better

Step 3:

On the **Playback** tab, make sure your headphone is set as the default playback device. For the device connected to the Line out jack on the back panel, right-click on **Speakers** and select **Set as Default Device**; for the device connected to the Line out jack on the front panel, right-click on **Realtek HD Audio 2nd output**.

sayback	Recording Sounds Communications	
Select a	playback device below to modify its setting	gs:
1	Not plugged in	^
	NVIDIA Output NVIDIA High Definition Audio Not plugged in	
	NVIDIA Output NVIDIA High Definition Audio Not plugged in	
0	Speakers RealitekiRI Audio Default Device	
6	Realtek HD Audio 2nd output Realtek RJ Audio Default Communications Device	Test
	Realtek Digital Output Realtek(R) Audio Ready	Set as Default Device
Conf	igure Set Defaul	 Show Disabled Devices Show Disconnected Devices
		 Contrast constraints in contrast in contrast

1-2 Configuring S/PDIF Out

The S/PDIF Out jack can transmit audio signals to an external decoder for decoding to get the best audio quality.

1. Connecting a S/PDIF Out Header:

Connect a S/PDIF digital audio cable to output digital audio from your motherboard to the supported audio devices.



2. Configuring S/PDIF Out:

On the **Realtek Digital Output** screen, Select the sample rate and bit depth in the **Default Format** section.

GIGABYTE					
ift Main	Environment				
	<none> ~</none>	Reset			
Playback Devices					
👄 Realtek Digital Output	Server Pice Batricom	Areno Stone Room	Auditolium		
	Loudness Equalization uses u volume differences. C Off Voice Cancellation C Off Pitch Shifting	nderstanding of human he	saring to red	luce per	(CEIVES
	Default Format				
Device advanced settings	Select the sample rate and bi	t depth to be used when r	unning in sh	aredimi	ode.
Information	48000Hz 168its ~	Reset			

1-3 Stereo Mix

The following steps explain how to enable Stereo Mix (which may be needed when you want to record sound from your computer).

Step 1:



Step 2: Select Sound Control Panel.



Step 3:

On the **Recording** tab, right-click on **Stereo Mix** item and select **Enable**. Then set it as the default device. (if you do not see **Stereo Mix**, right-click on an empty space and select **Show Disabled Devices**.)

ayback Recording Sounds	Communications
ielect a recording device belo	w to modify its settings:
Microphone	
Not plugged in	
Line In	
Not plugged in	
Stereo Mix	
Realtek(R) Audio Disabled	Enable
	Set as Default Device
	Set as Default Communication Device
	Show Disabled Devices
	 Show Disconnected Devices
	Properties

Step 4:

Now you can access the HD Audio Manager to configure Stereo Mix and use Voice Recorder to record the sound.

Playback Devices Realitek Disital Output	R L				
		Mute			
Stereo Mix		Mute	٥		
	Playback Devices Realitic Daytor Devices Recording Devices Stereo Mx	Playback Devices Reinfer Oper Oper Serve Ma Serve Ma Serve Ma	Playback Devices Rutitik Device Streem Min Server Mi	Playback Devices Numbro Depice (C C C C C C C C C C C C C C C C C C C	Playback Devices Reunes Optat Copat 97 C Marc Optat Copat Recording Devices Serve Ma C C C C C C C C C C C C C C C C C C C

1-4 Using the Voice Recorder

After setting up the audio input device, to open the **Voice Recorder**, go to the Start menu and search for **Voice Recorder**.



A. Recording Audio

- 1. To begin the recording, click the **Record** icon **(**.
- 2. To stop the recording, click the **Stop recording** icon **O**.

B. Playing the Recorded Sound

The recordings will saved in Documents>Sound Recordings. Voice Recorder records audio in MPEG-4 (.m4a) format. You can play the recording with a digital media player program that supports the audio file format.