Configuring Audio Input and Output (Realtek® ALC4080 CODEC)

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.
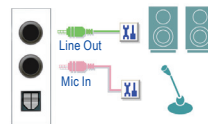

The picture to the right shows the default five audio jacks assignment.
To configure 4/5.1/7.1-channel audio, you have to retask either the Line in jack to be Side speaker out through the audio driver.
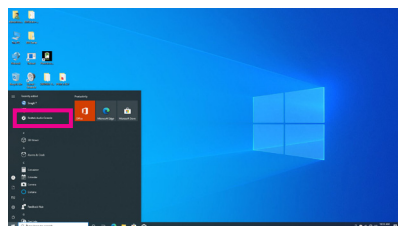

The picture to the right shows the default two audio jacks assignment.
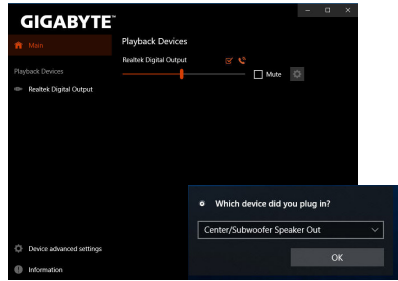

A. Configuring Speakers
Step 1:
Go to the Start menu click the **Realtek Audio Console**. For speaker connection, refer to the instructions in Chapter 1, "Hardware Installation," "Back Panel Connectors."
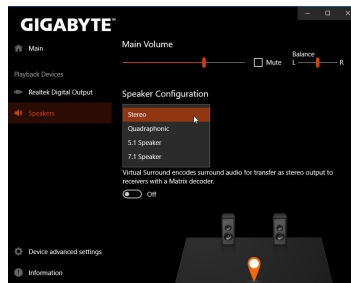
Step 2:
Connect an audio device to an audio jack. The **Which device did you plut in ?** dialog box appears. Select the device according to the type of device you connect. Then click **OK**.

Step 3:
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.
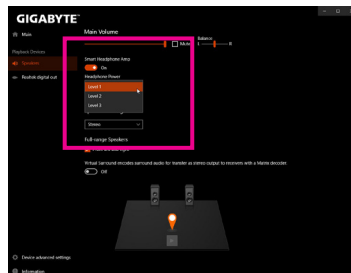

B. Configuring Sound Effect
You may configure an audio environment on the **Speakers** tab.

C. Enabling Smart Headphone Amp
The Smart Headphone Amp feature automatically detects impedance of your head-worn audio device, whether earbuds or high-end headphones to provide optimal audio dynamics. To enable this feature, connect your head-worn audio device to the Line out jack on the rear panel and then go to the **Speaker** page. Enable the **Smart Headphone Amp** feature. The **Headphone Power** list below allows you to manually set the level of headphone volume, preventing the volume from being too high or too low.
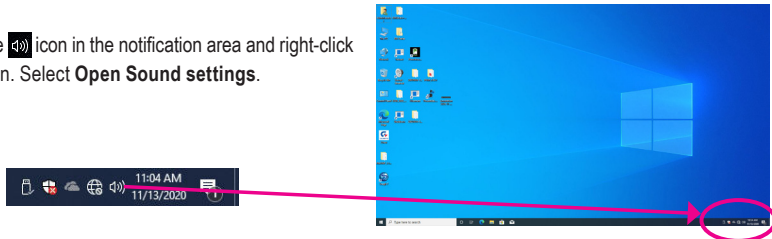
* Configuring the Headphone

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.
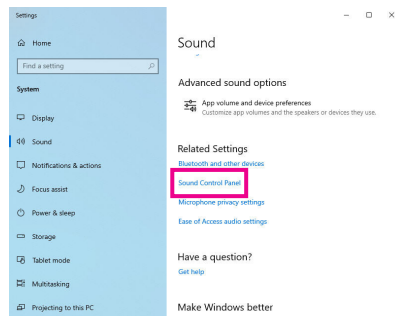
Step 1:
Locate the [icon] icon in the notification area and right-click on the icon. Select **Open Sound settings**.
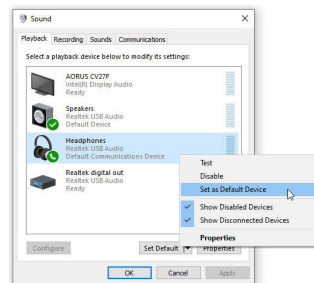
Step 2:
Select **Sound Control Panel.**

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 **Headphones**.
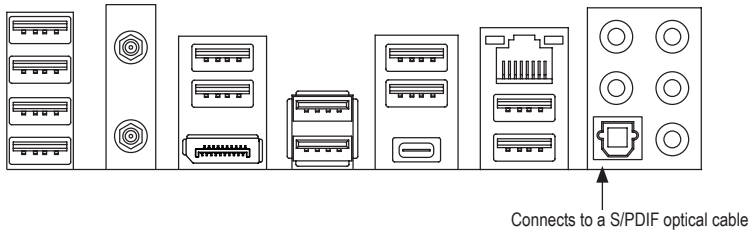
1-2   Configuring S/PDIF Out

The S/PDIF Out jack can transmit audio signals to an external decoder for decoding to get the best audio quality.
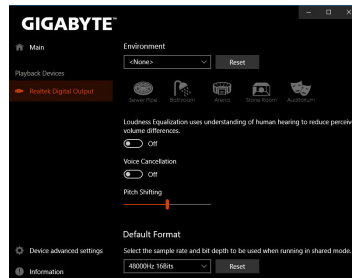
1. Connecting a S/PDIF Out Cable:
Connect a S/PDIF optical cable to an external decoder for transmitting the S/PDIF digital audio signals.

Connects to a S/PDIF optical cable

2. Configuring S/PDIF Out:
On the **Realtek Digital Output** screen, Select the sample rate and bit depth in the **Default Format** section.
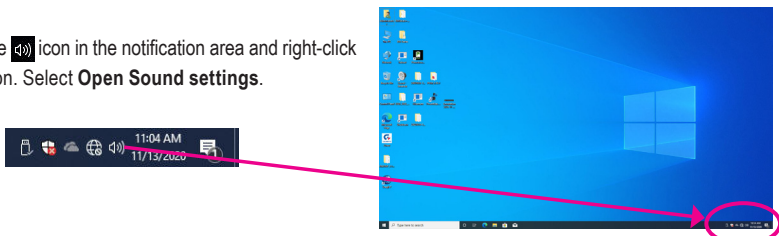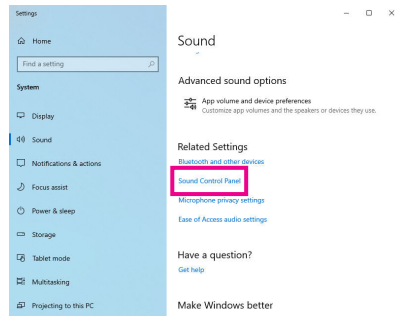

1-3   Stereo Mix

The following steps explain how to enable Stereo Mix (which may be needed when you want to record sound from your computer).
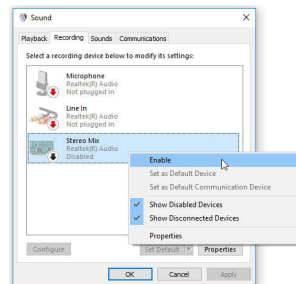
Step 1:
Locate the [icon] icon in the notification area and right-click on the icon. Select **Open Sound settings**.

Step 2:
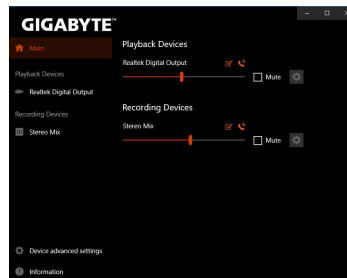Select **Sound Control Panel.**

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**.)
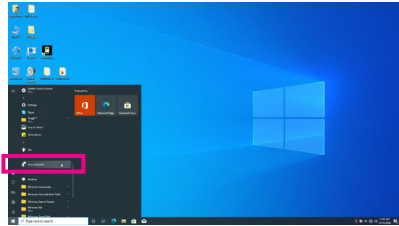

Step 4:
Now you can access the **HD Audio Manager** to configure **Stereo Mix** and use **Voice Recorder** to record the sound.

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 .

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.

1-5   DTS:X® Ultra

Hear what you have been missing! DTS:X® Ultra technology is designed to enhance your gaming, movies, AR, and VR experiences on headphones and speakers. It delivers an advanced audio solution that renders sounds above, around, and close to you, stepping up your game play to new levels. Now with support for Microsoft Spatial sound. Key features include:

• **Believable 3D audio**
  DTS latest spatial audio rendering that delivers believable 3D audio over headphones and speakers.
• **PC sound gets real**
  DTS:X decoding technology places sound where it would occur naturally in the real world.
• **Hear sound as it was intended**
  Speaker and headphone tuning that preserves the audio experience as it was designed.
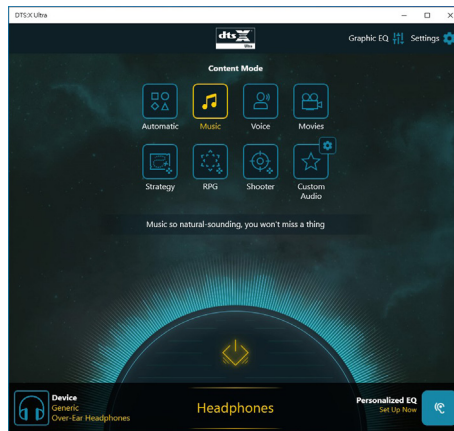
A. Using DTS:X Ultra

Step 1:

After you install the included motherboard drivers, make sure your Internet connection works properly. The system will automatically install DTS: X Ultra from the Microsoft Store. Restart the system after it is installed.

Step 2:

Connect your audio device and select **DTS:X Ultra** on the Start menu. The **Content Mode** main menu allows you to select content modes including Music, Video, and Movies, or you can select specifically tuned sound modes, including Strategy, RPG, and Shooter, to suit different game genres. The **Custom Audio** allows you to create customized audio profiles based on personal preference for later use.

B. Using DTS Sound Unbound

Installing DTS Sound Unbound

Step 1:
Connect your headphones to the front panel line out jack and make sure your Internet connection works properly, Locate the ![icon] icon in the notification area and right-click on the icon. Click on **Spatial Sound** and then select **DTS Sound Unbound**.

Step 2:
The system will connect to the Microsoft Store. When the DTS Sound Unbound application appears, click **Install** and follow the on-screen instructions to proceed with the installation.

Step 3:
After the DTS Sound Unbound application is installed, click **Launch**. Accept the **End User License Agreement** and restart the system.

Step 4:
Select **DTS Sound Unbound** on the Start menu. DTS Sound Unbound allows you to use the DTS Headphone:X and DTS:X features.