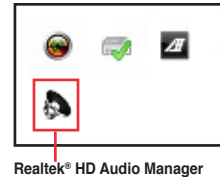# Realtek® Audio Utility User Guide

The Realtek® audio CODEC provides 8-channel audio capability to deliver the ultimate audio experience on your computer. The sofftware provides Jack-sensing function, S/PDIF OUT support and interrupt capability. The CODEC also includes the Realtek® proprietary UAJ® (Universal Audio Jack) technology for all audio ports, eliminating cable connection errors and giving users plug-and-play convenience.

Follow the installation wizard to install Realtek® Audio Driver from the support DVD that came with the motherboard package.

If the Realtek® audio software is correctly installed, you will find the **Realtek® HD Audio Manager** icon on the taskbar. Double-click the icon to display the Realtek® HD Audio Manager.

Realtek® HD Audio Manager

Realtek® HD Audio Manager for Windows® 8 / Windows® 7 / Windows® Vista

Configuration option tabs (vary with the audio devices connected)

Advanced settings

Set default device button

Control settings panel

Analog and digital connector status

This version of Realtek HD Audio Manager supports Intel® 8 Series motherboards and other selected models.

Configuration option tabs

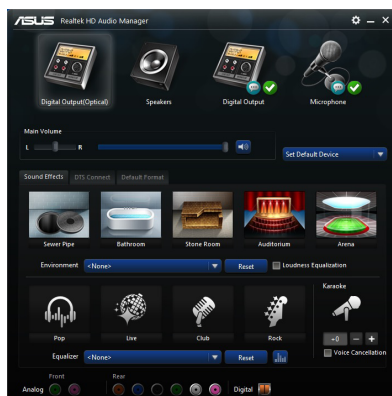The configuration tabs allows you to configure your audio settings.

The configuration option tabs shown are for reference only and may not exactly match what you see on your screen. In the Windows® 8™/7™/Vista™ environment, Realtek® HD Audio Manager automatically detects the devices connected to the analog/digital ports and shows the corresponding configuration option tabs.

Digital Output

To set the digital output options:

1. On the Configuration option tabs, click **Digital Output**.

2. Click **Set Default Device** to set the digital output port as the default audio output device and/or communication device.

3. On the control settings panel, click **Sound Effects** tab to select sound environment options, equalizer options, and karaoke settings.

4. Click **DTS Connect** then select the type of mode for your speakers.

To enable DTS Connect for digital output, click **Default Format** tab on the control settings panel. Click the default format dropdown list then select **DTS Interactive (5.1 Surround)**.
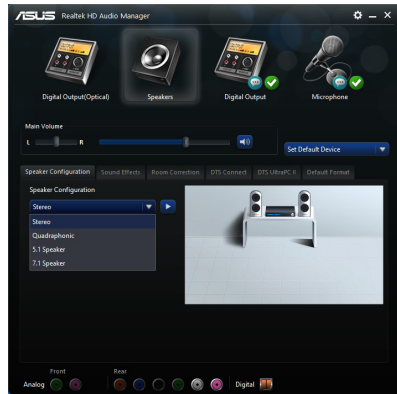
- • When the DTS Interactive is enabled, you can adjust the **Center Width Control** for Music Mode.

- • DTS Connect is supported on selected motherboard models only.

- • By the DTS Connection specification, the Center Width Control is disabled for Movie mode.

5. Click **Default Format** to select the default audio output format.

Speakers

To set the speaker options:

1. On the Configuration option tabs, click **Speakers**.

2. Click **Set Default Device** to set the analog output port as the default audio output device and/or communication device.

3. On the control settings panel, click **Speaker Configuration** tab to select speaker configuration.

4. Click **Sound Effects** tab to select sound environment options, equalizer options, and karaoke settings.

5. Click **Room Correction** tab to adjust the speakers' distance.

    > Room Correction function works for 5.1 and 7.1 channel speaker mode only.

6. Click **DTS Connect** tab, tick **On,** then select the type of mode for your speakers.

    > *   DTS Connect can only be enabled under quadraphonic, 5.1 or 7.1 channel speakers.
    >
    > *   By the DTS Connection specification, the Center Width Control is disabled for Movie mode.
    >
    > *   DTS Connect is supported on selected motherboard models only.

7. Click **DTS UltraPC II** tab then tick **Enable** to enhance surround sensation, spectral enhancement and symmetry for movie, music and game sounds.
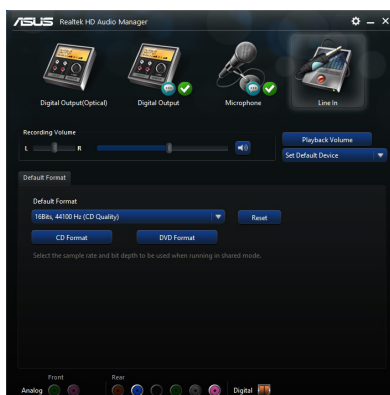
    > *   DTS UltraPC II can only be enabled under Stereo speaker mode.
    >
    > *   For quadrophonic, 5.1 or 7.1 speaker modes, enable DTS Connect to enjoy surround sound effects.
    >
    > *   DTS UltraPC II is supported on selected motherboard models only.

8. Click **Default Format** to select the default audio output format.

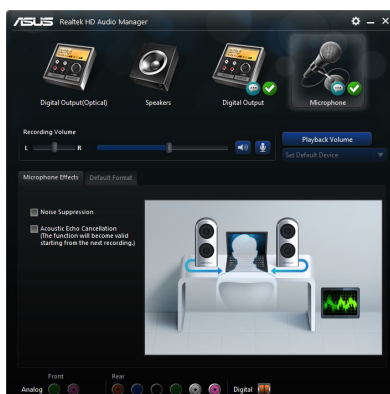
Line In

To set the analog line in options:

1. On the Configuration option tabs, click **Line In**.

2. Click **Set Default Device** to set the analog line in port as the default audio input device.

3. On the control settings panel, move the volume sliders to adjust the recording volume. Click **Playback Volume** then move the slider to adjust the playback volume.

4. Click **Default Format** to select the default audio output format.

Microphone

To set the microphone options:

1. On the Configuration option tabs, click **Microphone**.

2. Click **Set Default Device** to set the microphone port as the default audio input device.

3. On the control settings panel, move the volume sliders to adjust the recording balance of the left and right channels and the overall recording volume.

4. To boost the microphone's input, click ![icon] then slide move the slider to adjust volume's pressure level.

5. Click ![icon] to mute microphone function.

6. Click **Playback Volume** to adjust the recorded audio's playback volume.

7. Click **Microphone Effects** to select effects such as Noise Suppression, Acoustic Echo Cancellation and Conference mode when recording audio.
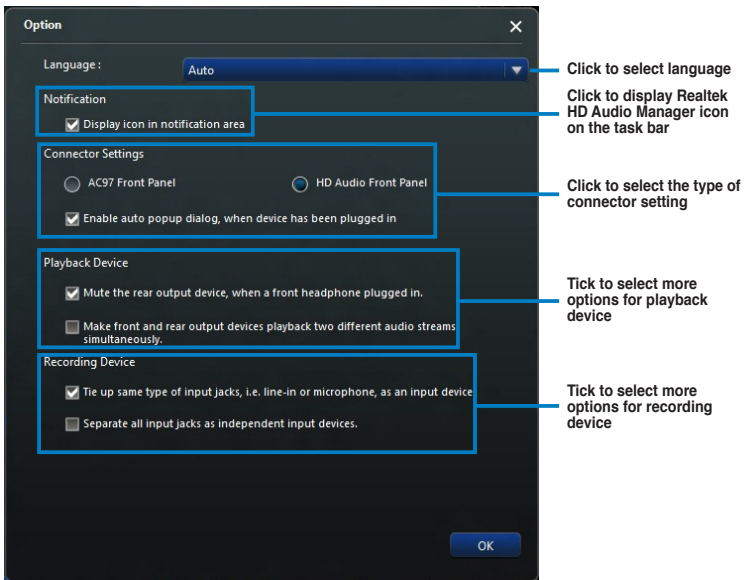
Conference mode is supported on selected motherboard models only.

8. Click **Default Format** to select the default audio recording format.

Device Advanced Settings

Device Advanced settings allow you to configure other functions for playback and recording devices attached to your computer.

To launch Device Advanced Settings, click ⚙ on the upper right corner of Realtek® HD Audio Manager window then click **Option**.

Click to select language

Click to display Realtek HD Audio Manager icon on the task bar

Click to select the type of connector setting

Tick to select more options for playback device
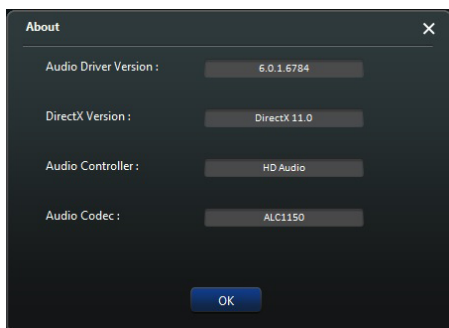
Tick to select more options for recording device

The jack detection and front panel jack retasking functions only work under HD Audio mode. To use these functions, do the following:

• Select **HD Audio Front Panel mode** under Connector Settings.

• Select **HD** as the Front Panel Type from **Advanced > Onboard Devices Configuration** in BIOS Setup.
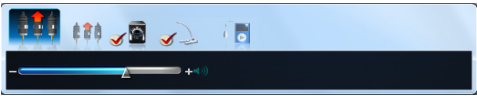

About

Click ⚙ on the upper right corner of Realtek® HD Audio Manager window then click **About** to display information about the audio driver version, DirectX version, audio controller and Audio codec.

About	✕
Audio Driver Version :	6.0.1.6784
DirectX Version :	DirectX 11.0
Audio Controller :	HD Audio
Audio Codec :	ALC1150
	OK

Realtek® HD Audio Manager for Windows® 8 / Windows® 7 / Windows® Vista

To display Quick Volume Adjustment Bar, click 🔼 from the taskbar then click 🔊 .

To launch Realtek® HD Audio Manager, click 🔼 from the taskbar then double-click 🔊 .

Configuration option tabs (vary with the audio devices connected)

Device advanced settings

Information button

Control settings

Click to exit

Click to minimize

Click to set default device

Click to set default communication device

Connector settings

Analog and digital connector status

Configuration option tabs

The configuration tabs allows you to configure your audio settings.

> The configuration option tabs shown are for reference only and may not exactly match what you see on your screen. In the Windows® 8™/7™/Vista™ environment, Realtek® HD Audio Manager automatically detects the devices connected to the analog/digital ports and shows the corresponding configuration option tabs.

Digital Output

To set the digital output options:

1. On the Configuration option tabs, click **Digital Output**.

2. Click ✔ to set the digital output port as the default audio output device. Click ✔ to set the digital output port as the default communication device.

3. On the control settings panel, click **Sound Effects** tab to select sound environment options, equalizer options and karaoke settings.

4. Click **DTS Connect** then select the type of mode for your speakers.

> To enable DTS Connect for digital output, click **Default Format** tab on the control settings panel. Click the default format dropdown list then select **DTS Interactive (5.1 Surround)**.

> • When the DTS Interactive is enabled, you can adjust the **Center Width Control** for Music Mode.
>
> • DTS Connect is supported on selected motherboard models only.
>
> • By the DTS Connection specification, the Center Width Control is disabled for Movie mode.

5. Click **Default Format** to select the default audio output format.

Speakers

To set the speaker options:

1. On the Configuration option tabs, click **Speakers**.

2. Click ✓ to set the analog ports as the default audio output device. Click ✎ to set the analog ports as the default communication device.

3. On the control settings panel, click **Speaker Configuration** tab to select and test speaker configuration.

4. Click **Sound Effects** tab to select sound environment options, equalizer options, and karaoke settings.

5. Click **Room Correction** tab to adjust the speakers' distance.

> Room Correction function works for 5.1 and 7.1 channel speaker mode only.

6. Click **DTS Connect** tab, tick **On**, then select the type of mode for your speakers.

> • DTS Connect can only be enabled under quadraphonic, 5.1 or 7.1 channel speakers.
>
> • By the DTS Connection specification, the Center Width Control is disabled for Movie mode.
>
> • DTS Connect is supported on selected motherboard models only.

7. Click **DTS UltraPC II** tab then tick **Enable** to enhance surround sensation, spectral enhancement and symmetry for movie, music and game sounds.

> • DTS UltraPC II can only be enabled under Stereo speaker mode.
>
> • For quadrophonic, 5.1 or 7.1 speaker modes, enable DTS Connect to enjoy surround sound effects.
>
> • DTS UltraPC II is supported on selected motherboard models only.

8. Click **Default Format** to select the default audio output format.

Line In

To set the analog line in options:

1. On the Configuration option tabs, click **Line In**.

2. Click ✔ to set the analog line in port as the default audio input device.

3. Click **Default Format** tab then select a format from Default Format dropdown menu.

3. Move the volume sliders to adjust the recording volume and playback volume.

Microphone

To set the microphone options:

1. On the Configuration option tabs, click **Microphone**.

2. Click ✔ to set the microphone port as the default audio input device.

3. Click **Microphone Effects** tab, then tick to select effects such as **Noise Suppression**, **Acoustic Echo Cancellation**, and **Conference mode**.

Conference mode is supported on selected motherboard models only.

4. Click **Default Format** tab then select a format from Default Format dropdown menu.

Device advanced settings

Click ⬤ to show further settings for the playback and recording device.
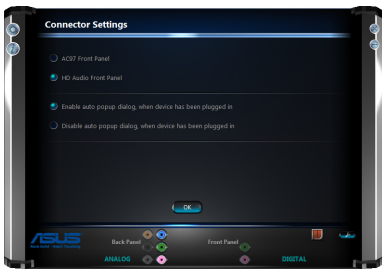

Connector settings

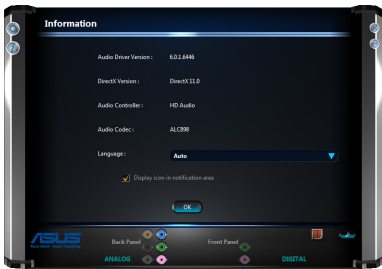Click ⬤⬤ to show further settings for AC97/HD Audio front panel mode switch and popup dialogs.

✍ The Jack-detection and Front Panel Jack-Retasking functions can work properly only under HD Audio mode. When you want to use these functions, ensure that you set these functions to HD Audio mode in both this utility (Realtek HD Audio Manager) and the BIOS settings.

Information

Click ⓘ to display information about the audio driver version, DirectX version, audio controller, audio codec and language setting.

Realtek® Audio Utility User Guide

Realtek® HD Audio Manager for Windows® XP

Configuration options

Click to exit

Click to minimize

Control settings panel

Information button

Click to save configured settings

Configuration option tabs

The configuration tabs allows you to configure your audio settings.

Sound Effect

To set the sound effect options:

1. On the Configuration option tabs, click **Sound Effect**.

2. Click the shortcut buttons to select an environment or equalizer presets. Click the dropdown menus for environment and equalizer to select more options. You can also adjust the karaoke's settings.

> To manually adjust the equalizer, move the sliders to your desired settings.

3. Click **OK** to save the settings and exit Realtek® HD Audio Manager.

Mixer

To set the mixer options:

1. On the Configuration option tabs, click **Mixer**.

2. **Turn the volume knob or move** the slider to adjust the Playback and Record's volume and balance respectively.

> This option activates voice input from all channels by default. Click if you do not want a voice input.

3. Move the sliders of the audio output settings to your desired levels.

> Click to display more audio output settings.

4. **Click OK** to save the settings and exit Realtek® HD Audio Manager.

Audio I/O

To set the Audio I/O options:

1. On the Configuration option tabs, click **Audio I/O**.

2. Click the dropdown menu to select the channel configuration.

3. When the control settings window displays the status of connected devices, click on the ANALOG panel to configure the HD/AC97 connector settings. Click on the DIGITAL panel to configure digital options.

4. **Click OK** to save the settings and exit Realtek® HD Audio Manager.

> The Jack-detection and Front Panel Jack-Retasking functions can only work under HD mode. When you want to use these functions, ensure that you set these functions to HD mode on the Realtek® HD Audio Manager utility and BIOS Setup.

Microphone

To set the Microphone options:

1. On the Configuration option tabs, click **Microphone**.

2. Tick **Noise Suppression** to reduce the static background noise when recording.

3. Tick **Acoustic Echo Cancellation** to reduce the echo from the front speakers when recording.

4. Tick **Beam Forming** to eliminate surrounding noise interferences. Click to start microphone calibration.

5. **Click OK** to save the settings and exit Realtek® HD Audio Manager.

3D Audio Demo

To start the 3D Audio Demo:

1. On the Configuration option tabs, click **3D Audio Demo**.

2. Tick the options to change the sound, moving path or environment settings.

3. Click ▶ to test your settings.

4. **Click OK** to save the settings and exit Realtek® HD Audio Manager.

Information

Click to display information about the audio driver version, DirectX version, audio controller, audio codec and language setting.

Realtek® Audio Utility User Guide