Complete Guide to Fix No Sound through HDMI on Windows

HDMI-connected laptops don't always produce sound through the TV. Many users have complained about it, so here are our top fixes to help you get your sound up and running again.

The HDMI cable is a handy device that allows you to connect your laptop to many peripherals like a TV screen or a projector. Being present on almost all the devices makes your life absurdly convenient as you join a single wire, and your video and audio are streamed across the laptop.

But, many users have complained about the lack of sound from the peripheral device. What happens, in essence, is that your video is excellent, but the audio is nowhere heard.

What are the solutions to fix the no-sound HDMI problem? **Here are some solutions to hear sound through an HDMI cable.**

- Check if your HDMI cable is broken
- Enable HDMI Playback device
- Reconfigure your graphic and audio drivers

Stay with us as we go into solving the matter from all aspects.

What is an HDMI Cable?

An HDMI cable is a wire that transfers audio and video from one device to another. The HDMI cable comprises four shielded twisted pairs and is the most popular way to hook up DVD, Blu-ray, and Ultra HD Blu-ray players.

You can use the HDMI cable to link a display controller to a PC monitor, video projector, digital TV, etc., for enhanced audio and video quality. Yes, you thought it right, the projector in your school is connected to the laptop using this HDMI cable.

You should be able to identify the HDMI cable from the trapezoid-shaped ends. Ensure we are working with the suitable cable before going down.

Why is the Audio not working through HDMI?

An HDMI cable does not transfer audio for various reasons, ranging from PC hardware defects and faulty HDMI cable to issues with the peripheral devices. There is a significant chance that the laptop is misconfigured.

The reasons due to which audio is not transferred through an HDMI cable are
- Faulty HDMI cable or HDMI ports
- Defects with the graphics driver and sound card
- Device audio set as the default playback device

- Device Driver Incompatibility issues

How to Fix No Sound Through HDMI in Windows 10

The HDMI cable could be transferring only audio for many reasons, and there are thousands of fixes to this issue. The fixes can be as simple as restarting your device to fixing hardware defects in your PC or the peripheral device.

Lots of work to do, so let's get to fixing stuff.

Preliminary Checks

First, we will do all the background checks. They may help to narrow down the problem for most users. For most people, the issue will resolve at this stage.

Check the HDMI Cable

Everything wears and tears with time. Maybe, the HDMI cable you're using has become too old, and a core rupture has occurred. What is a core rupture of HDMI? A failure of HDMI cable's electrical conductivity due to broken wire. It results in distorted audio and poor video quality.

If you notice these signs, then it is high time you inspect your HDMI cable thoroughly. To do that, plug the wire out from both ends, take it to a well-lit room, or go outdoors. You should not only look for any defects with the cable but also examine the HDMI ports.

Remember

Ensure that there is no slit-sized space between the HDMI port and the cable and that the wire is snubbed tight.

Final Check

You should try connecting the HDMI cable to another monitor to ensure it's working.
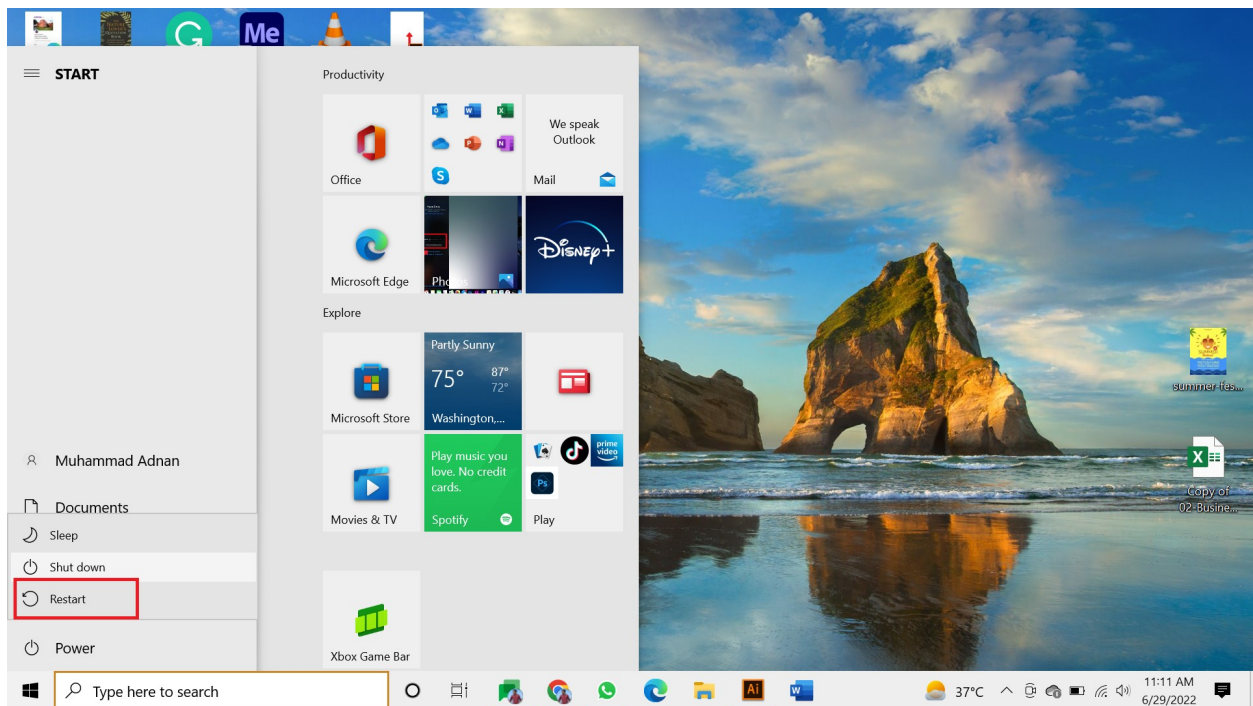
Restart the Devices

A simple process of restarting your laptop and the peripheral device has many more advantages than you can think. It helps speed up performance by deleting unnecessary files in your background PC memory.

To restart your Windows PC,
- Click on the **Windows Start** button
- Hover over the **power icon** and click on it
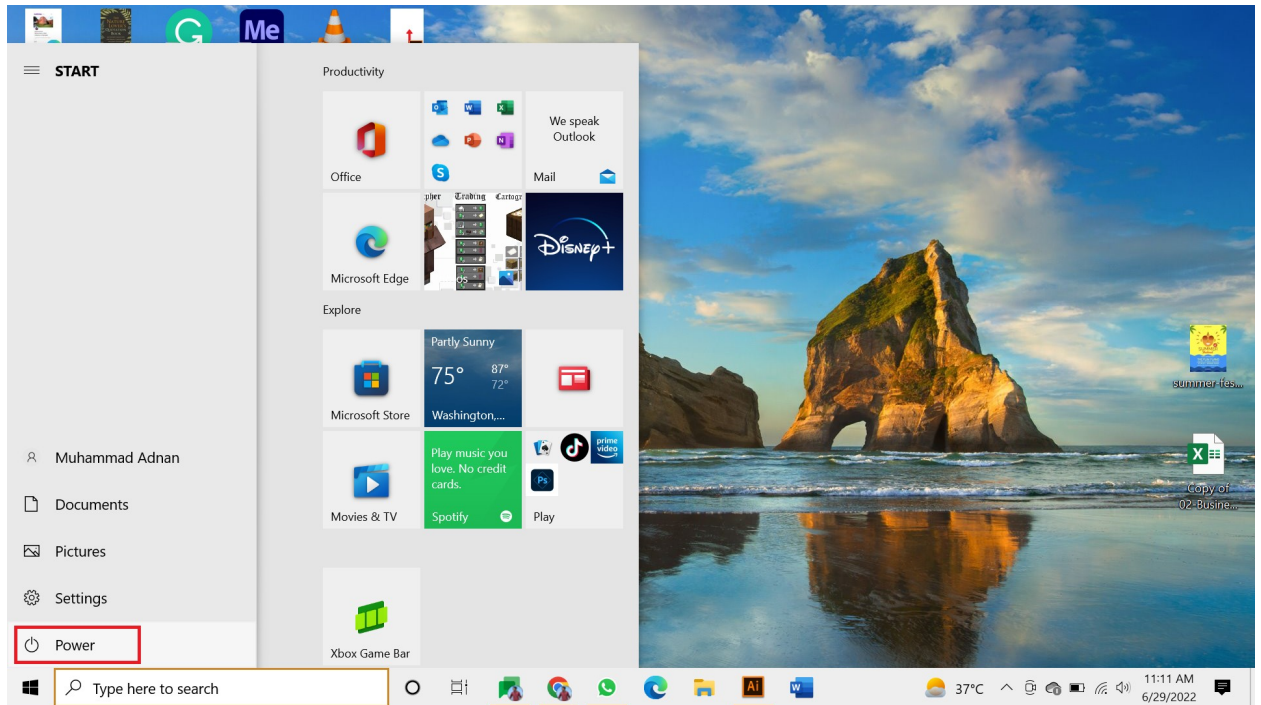
- Press the **Restart** button

- Note that you should restart your peripheral device also.

Reconnect the HDMI cable, and see if you can hear any voice.

Ensure the suitable HDMI Inputs

Many TV devices and peripherals have two or more than two HDMI inputs. You should have configured the proper settings on the peripheral device, like selecting the correct HDMI port

input/ output and turning on the volume. Also, test the speakers of the peripheral device before configuring your PC.

Change your Hardware and Sound settings.

Reconfiguring the PC settings is the next step. Go through the step-by-step guide to reconfigure your settings.
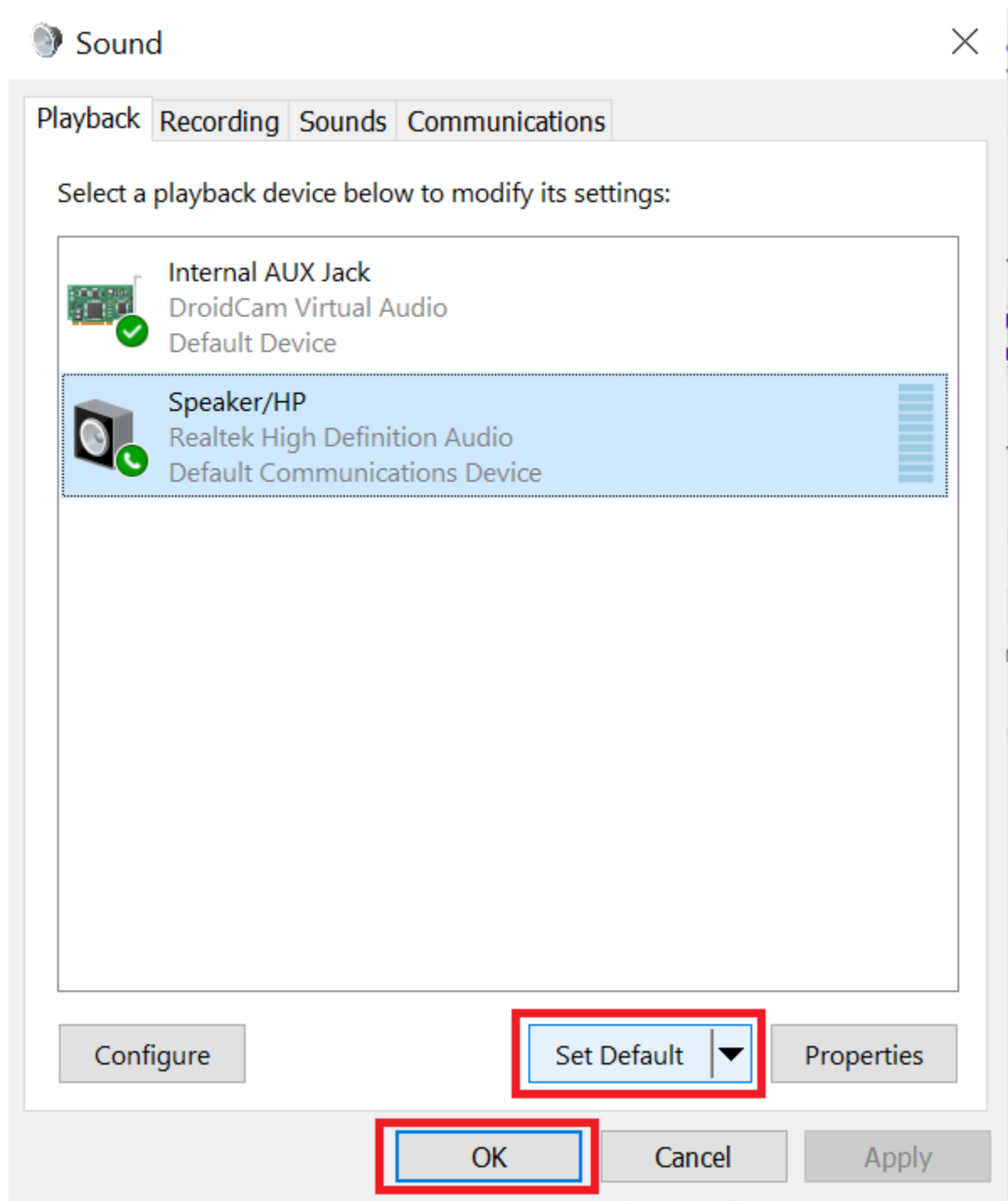
Set HDMI as the Default Playback Device.

To set the HDMI device as your default playback device,
- Press both keys **Win and R** simultaneously
- The run tab will open where you should type **mmsys.cpl** and click OK
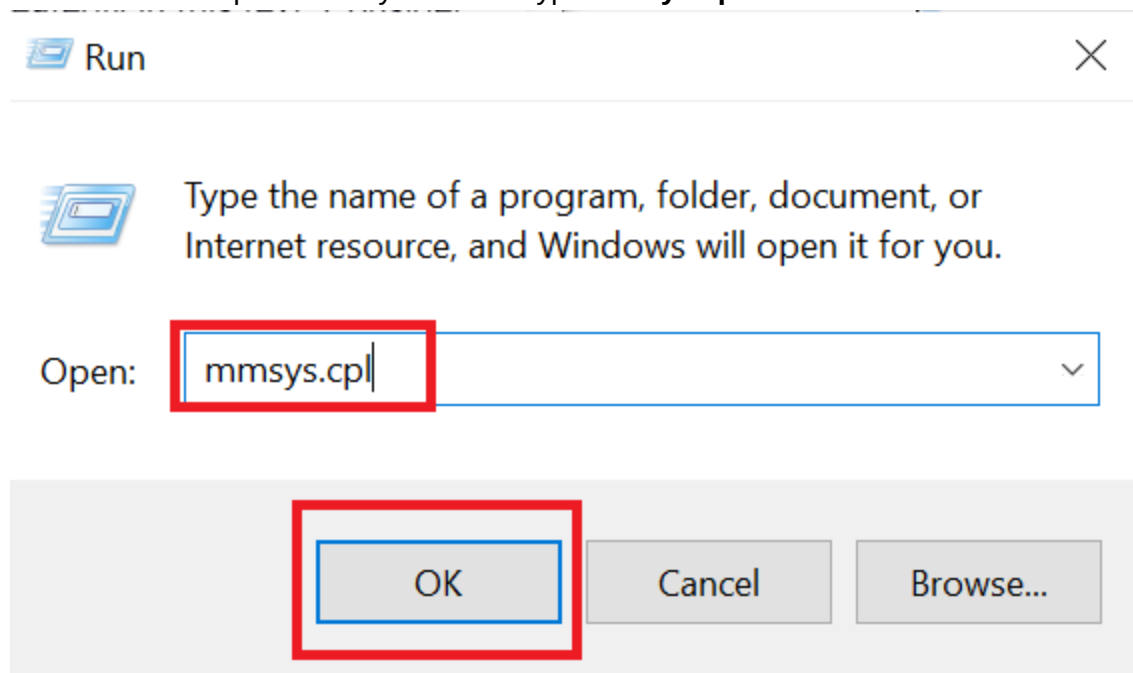
- Navigate to the **playback tab** above
- Click **Speaker/Headphone**, **Speakers and Headphones or Speakers as HDMI**
- Press the **Set Default** button

- Click on the **Apply** button first, and check if you can hear the sound
- You can also try switching the speaker device to another speaker from the list of options.

Precaution:

Ensure that no playback device is disabled by right-clicking anywhere in the window. Ensure that the **Show Disabled Devices** and **Show Disconnected Devices** options are checked.
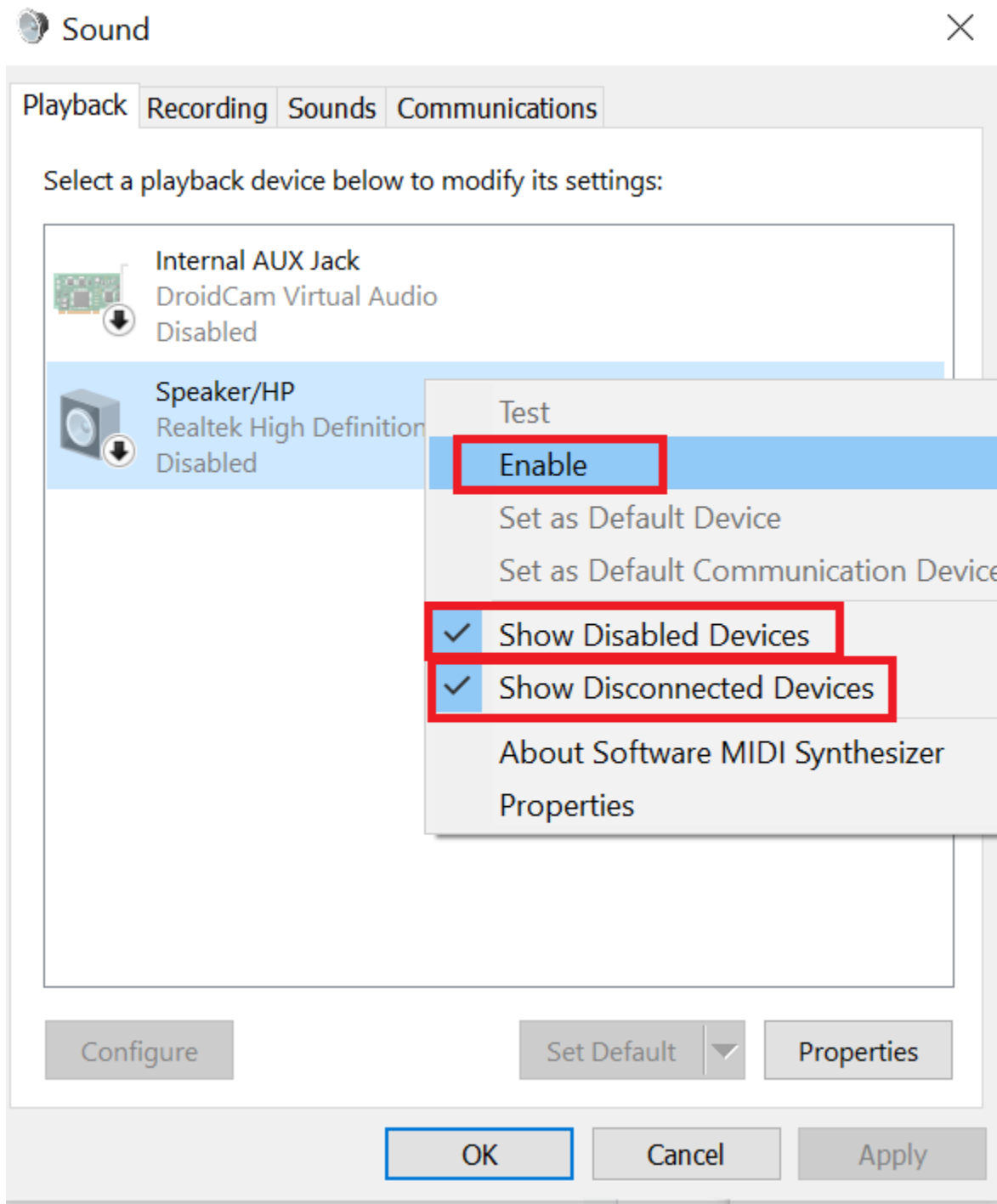

Did that work? If not, then stay with us as we reconfigure other device settings.

Enable And Disable Hyper V on Surface Pro

Surface Pro users can try disabling and enabling the Hyper V feature. It is a built-in feature that lets users create an identical software desktop called a virtual machine. Each virtual machine has separate programs and, you guessed it right, different video adapter software.

Therefore, we can try disabling and enabling the Hyper V feature to hear sound on your Surface Pro by,
- Search "Control Panel" in the search bar and click to open the application.
- Navigate to **Programs and Features**
- Click **Turn Windows features on or off**
- Expand the **Hyper V panel,** then expand again the **Hyper-V platform**
- Clear the Hyper-V Hypervisor check box
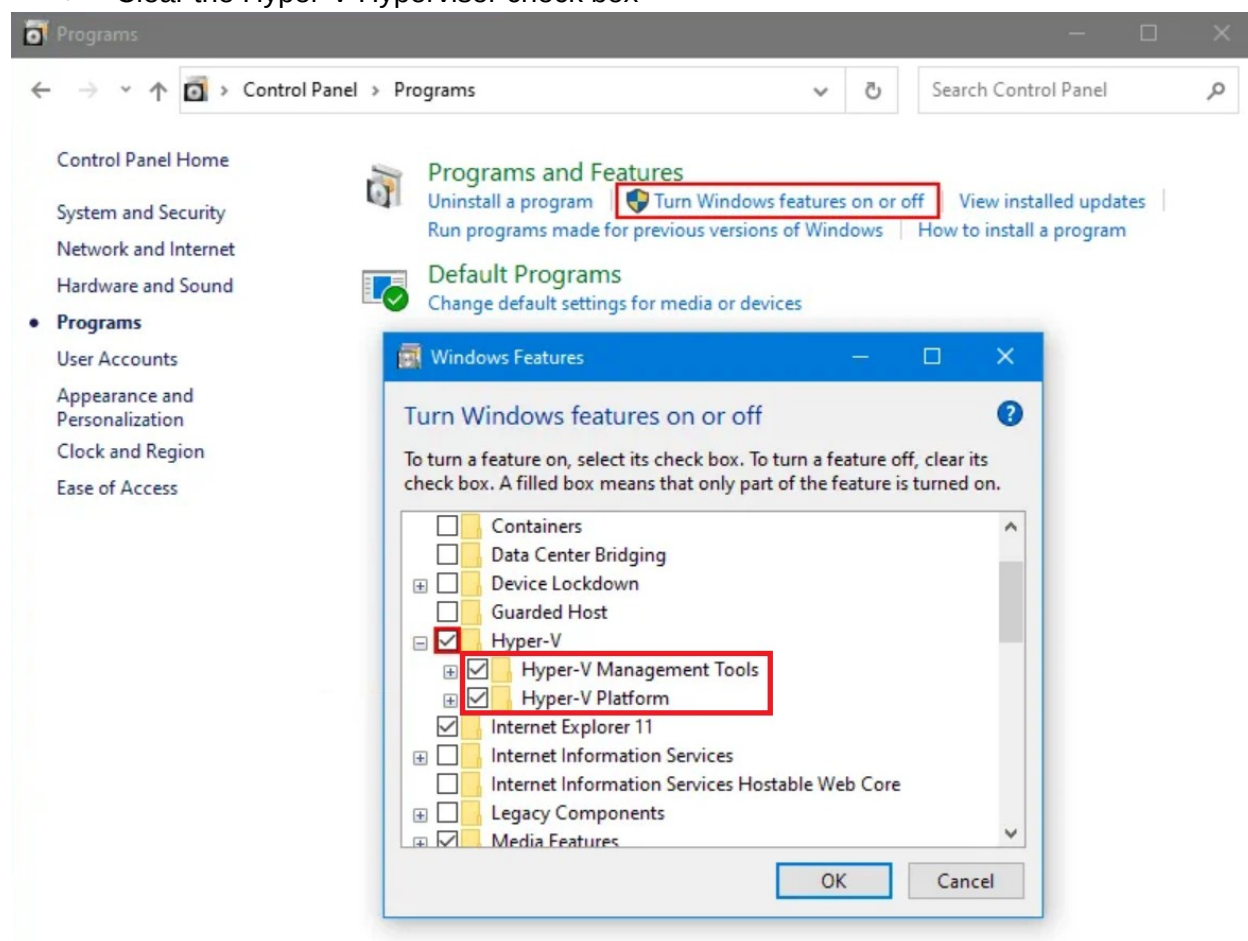
Now, connect the HDMI cable and see if that worked. If it didn't, enable the Hyper V platform back and join the cable again to check if you can hear the voice.

Reconfigure your Device Drivers

Device Drivers are programs that help windows identify the peripherals connected to your motherboard. Issues with drivers can cause a range of problems, and installing the correct drivers is a hectic process, so we came up with a simple method to install the drivers correctly.

Roll Back the Display Adapter

Video Card or Display adapters are responsible for transferring the video and processing the graphics to the monitor. Here is how to uninstall and reinstall display adapters.

- Right-click on the **Start** button
- Click on **Settings**
- Click on **System** and scroll down to **About**
- From the right panel, select **Device Manager**
- Click on **Display Adapters** to expand the panel and right-click on **Intel(R) HD Graphics** or any drivers you see.
- Select **Properties** and click on the **Driver** tab
- Press **Roll Back Driver**
- A prompt asks, "Are you sure you would like to roll back to the previously installed driver software." Click on **Yes** to confirm your selection.

Uninstall and Re-Install the Realtek Drivers

Here's the procedure to roll back your Sound Card Driver,

- Right-click on the **Start** button
- Click on **Settings**
- Click on **System** and scroll down to **About**
- From the right panel, select **Device Manager**
- Click on **Sound, video, and game controllers** to expand the panel and right-click on **Realtek High Definition Audio** or any drivers you see.
- Select **Properties** and click on the **Driver** tab
- Press **Roll Back Driver**

- A prompt asks, "Are you sure you would like to roll back to the previously installed driver software." Click on **Yes** to confirm your selection.


Update the Sound Card Driver

An outdated sound card driver could also be causing the issue. To update your sound card driver,

- Press the **Windows key** and **R button** at the same time to open **Run**
- Type **devmgmt.msc** and hit enter to open the device manager
- Expand the **'Sound, video and game controllers'** option and right-click on you**r audio device**
- Click on **Update Driver** (Ensure that you have an active internet connection)
- Press **"Search automatically for updated driver software"** on the next window.

- Wait until the device manager searches for drivers and installs them.
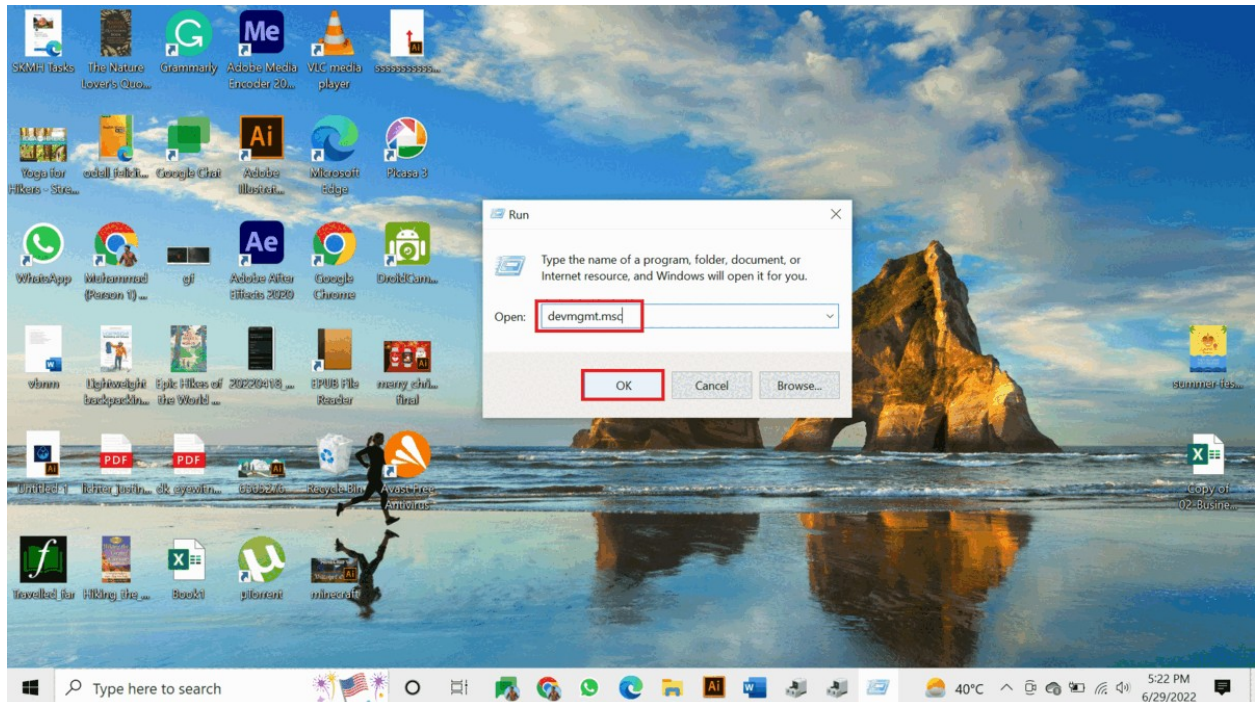
Update the Graphics Card Adapter

- Press the **Windows key** and **R button** at the same time to open **Run**
- Type **devmgmt.msc** and hit enter to open the device manager
- Expand the **'Sound, video and game controllers'** option and right-click on you**r audio device**
- Click on **Update Driver** (Ensure that you have an active internet connection)
- Press **"Search automatically for updated driver software on the next window."**

● Wait until the device manager searches for drivers and installs them.
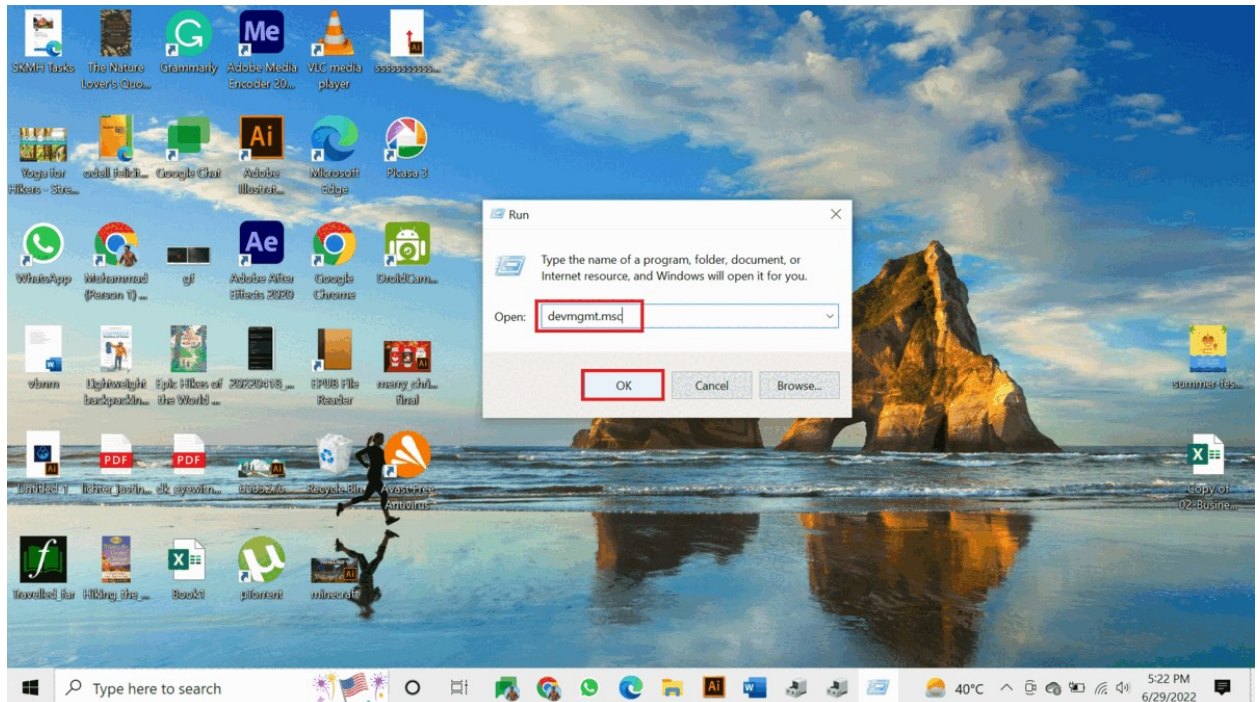
Install drivers in Compatibility Mode

Search for drivers on the official websites of the manufacturers and then install them in a special compatibility mode. The compatibility mode allows users to use programs according to an older Windows version. To install the drivers in compatibility mode in case you know which version works.
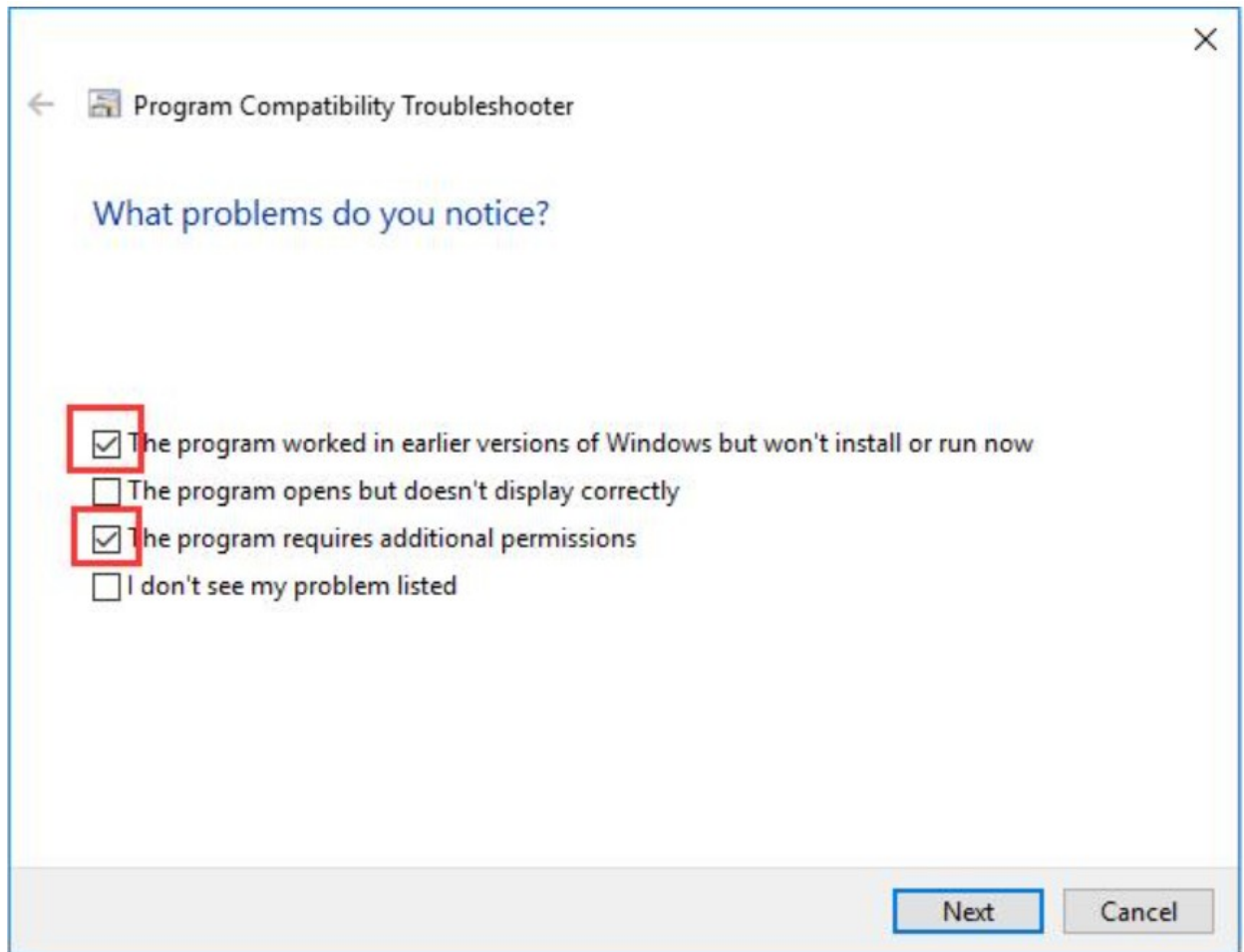
● First, run the **Run Compatibility Troubleshooter**

- Select **Troubleshoot program**
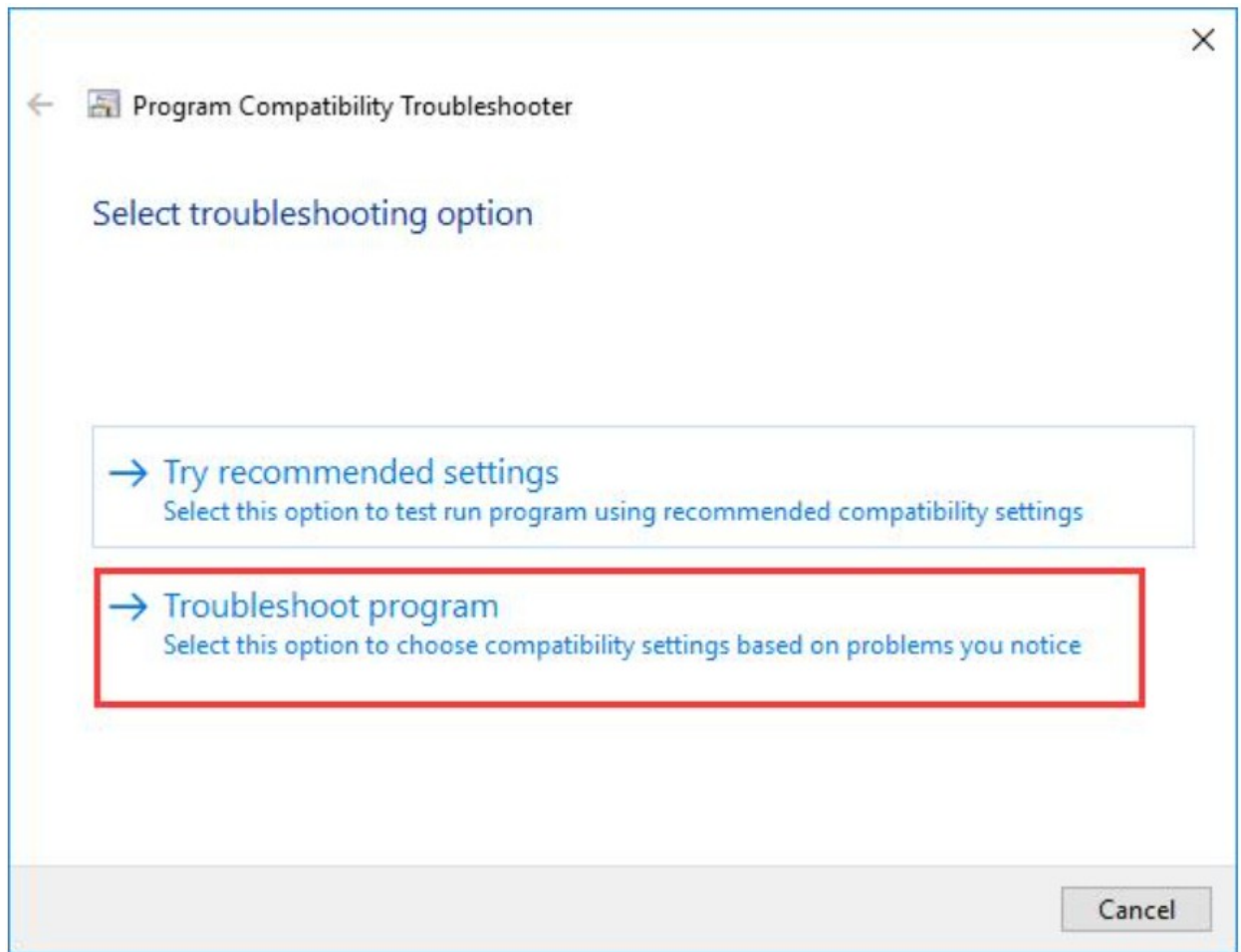
- Check two options from the following menu:
  1) The program worked in an earlier version of Windows but won't install or run now.

2) The program requires additional permissions.

● Choose the driver version and then later click **Test the program.**
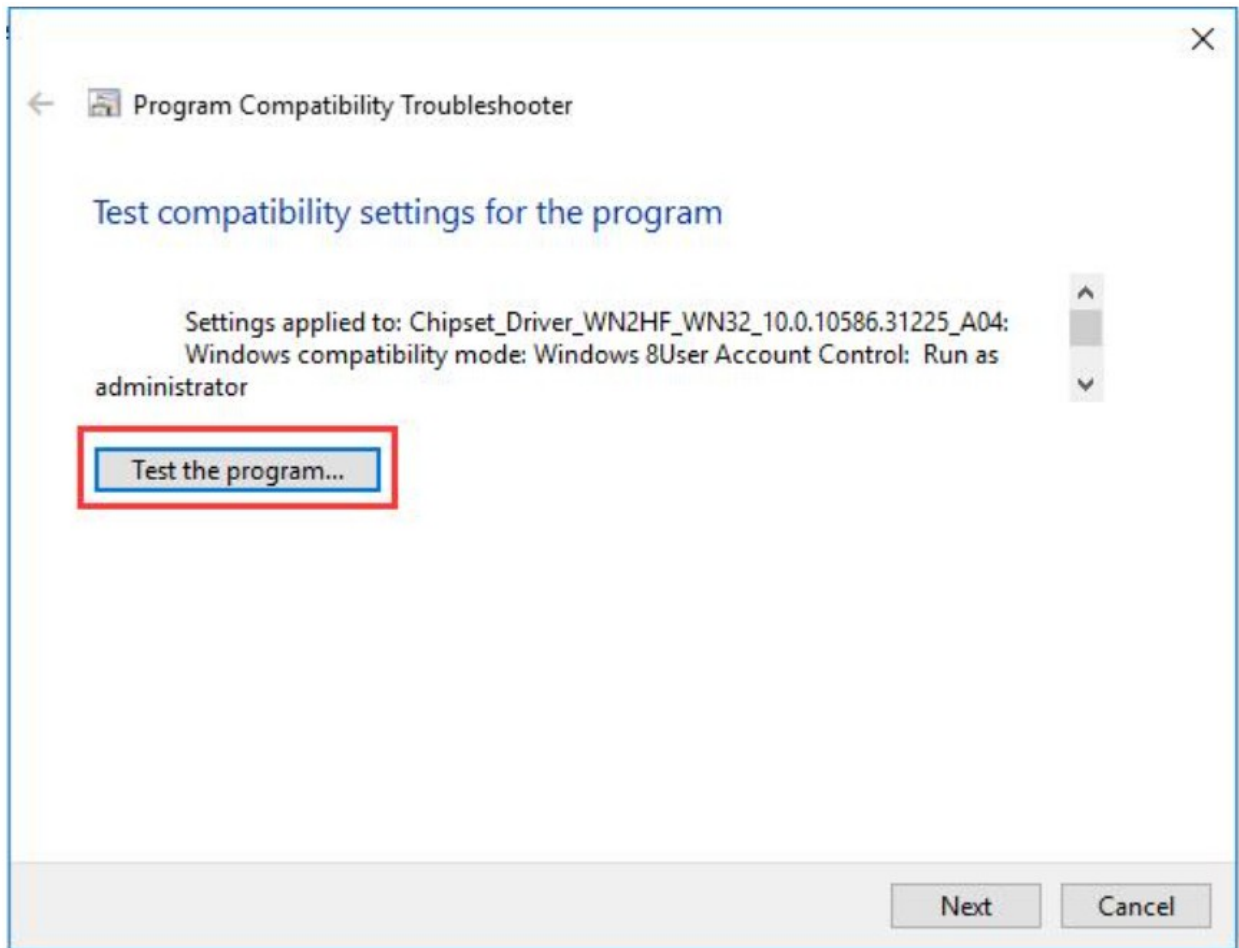
You can also try the trial and error method of various windows methods

- Right-click on the driver program file you want to install and select **Properties** in the pop-up menu.
- Select the **Compatibility tab,** select the checkbox named **Run this program compatibility for**

- From the list of options, select
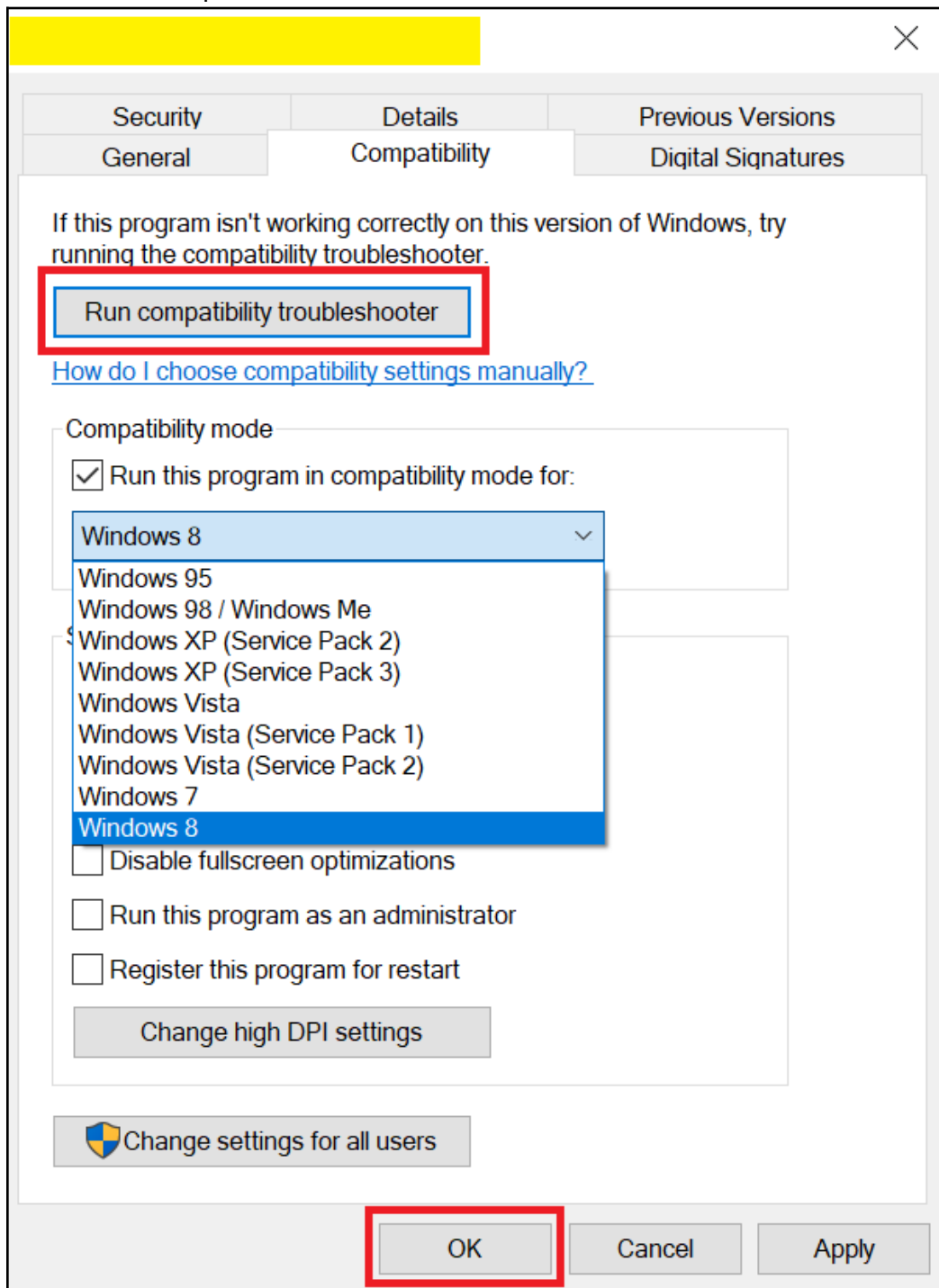
Install the Driver Pack

Driver Pack is one of the best drivers to install the latest drivers hassle-free. Here's how to install the drivers

- Go to **driverpack.io** and click on Install all required drivers
- Wait for the download to complete and click on Run

- Select the **Expert Mode** and check the video and audio drivers
- Press I**nstall All** to start installing all the drivers
- Restart the computer and try connecting the HDMI cable back.
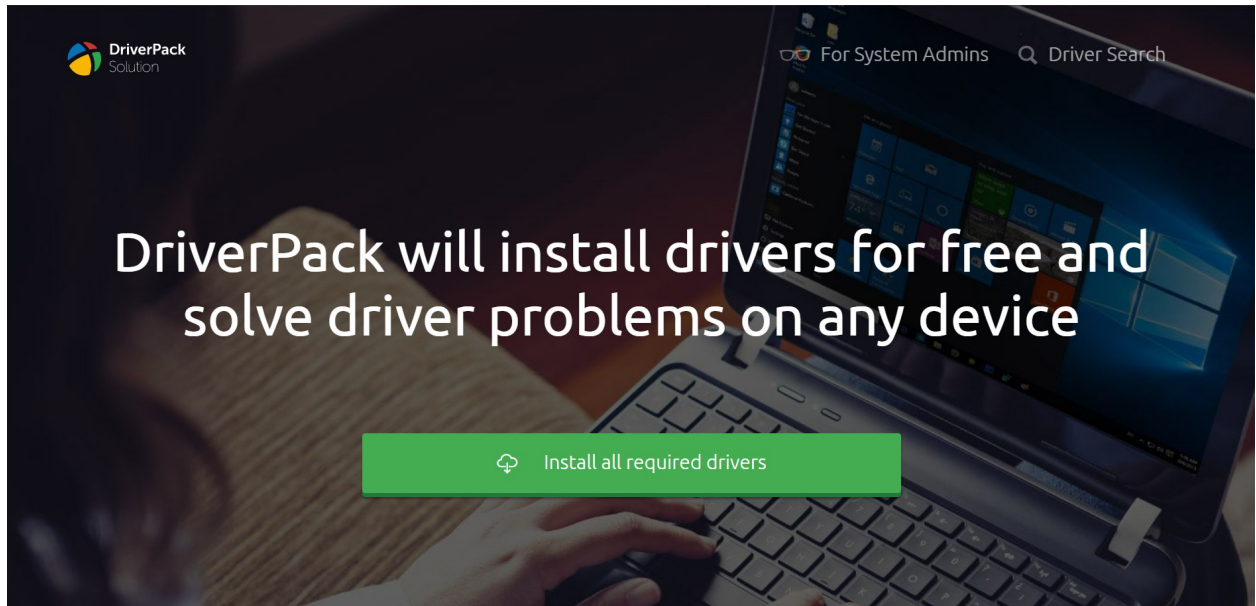
Update your Windows

Another solution that you could try is updating your Windows software. It ensures that your device is up to date and helps remove any viruses or bugs that may be interfering with the audio signal. Follow the steps below to update your windows.
- Click on the Start Button and press settings (which is represented by a gear-shaped icon)
- Go to Update and Security and click Check for Updates
- Wait for the update to complete. Restart your computer and connect the HDMI cable back again.

Use Sound Troubleshooter

Windows 10 was released in 2015 with the logo "A more human way to do things." True to its campaign, we all know it is the most user-friendly version of Windows.

One of the things which Windows 10 is good at is troubleshooting itself. Sound Troubleshooter lets you test the hardware compatibility of your PC with the software component. It runs various background tests and processes to identify the problems. Follow the steps mentioned to use the sound troubleshooter.

- Click on **Start** and go to **Settings.**
- From the **Settings** panel, press **Update and Security**
- In the left pane, select **Troubleshoot**
- Press **Run the troubleshooter** option under the Playing Audio heading
- Wait for the process to complete
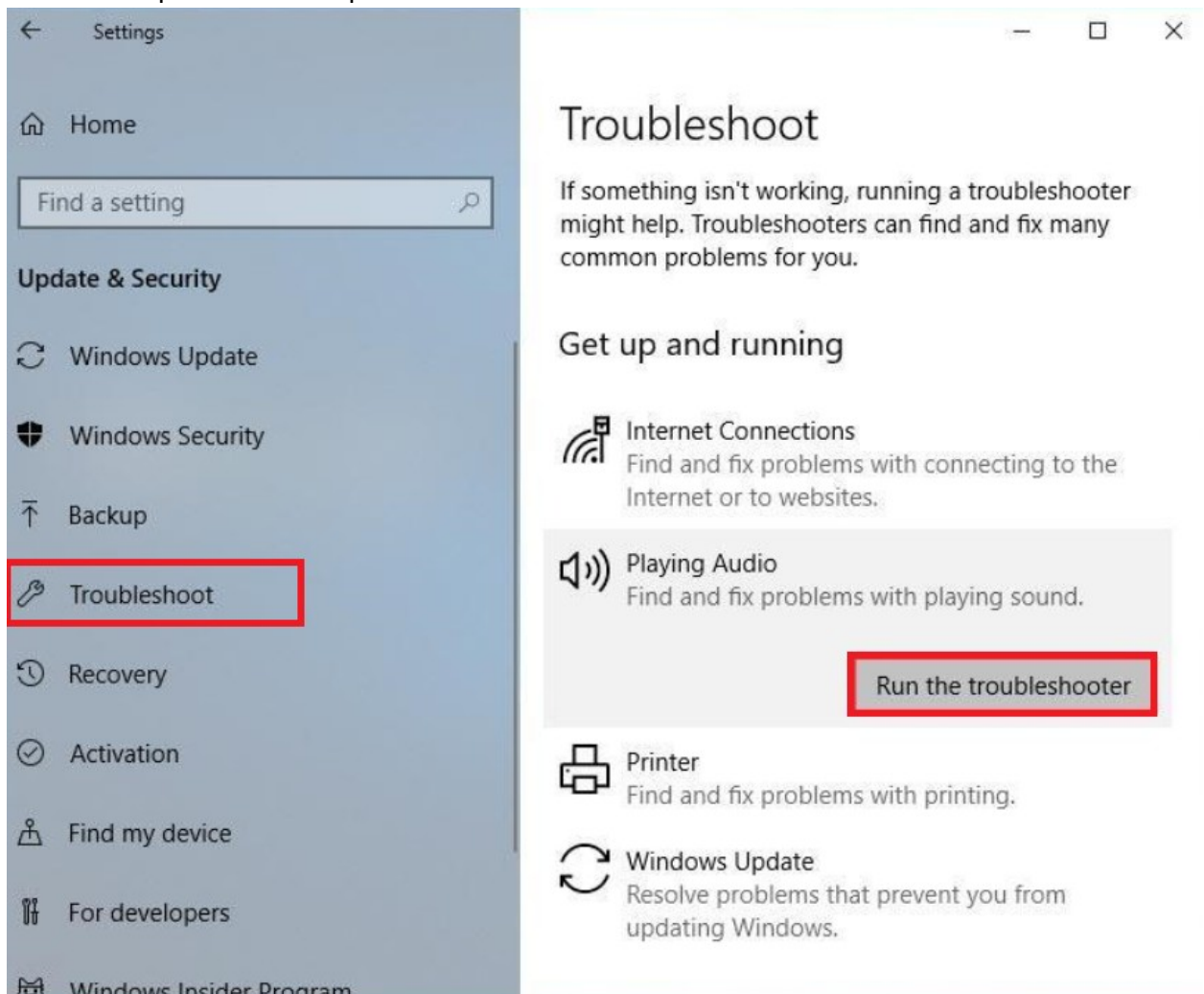
Perform a Factory Reset

A factory reset is a last-ditch option for many users. It will help you remove any bugs or errors in your PC that may be interfering with your device performance. To perform a factory reset on Windows 10 pc,

- Open **Settings** by clicking on the **Start** menu and pressing the gear-shaped icon
- Navigate to **Update and Security**
- Under the **Recovery tab,** press **Reset PC** next to Reset this PC option
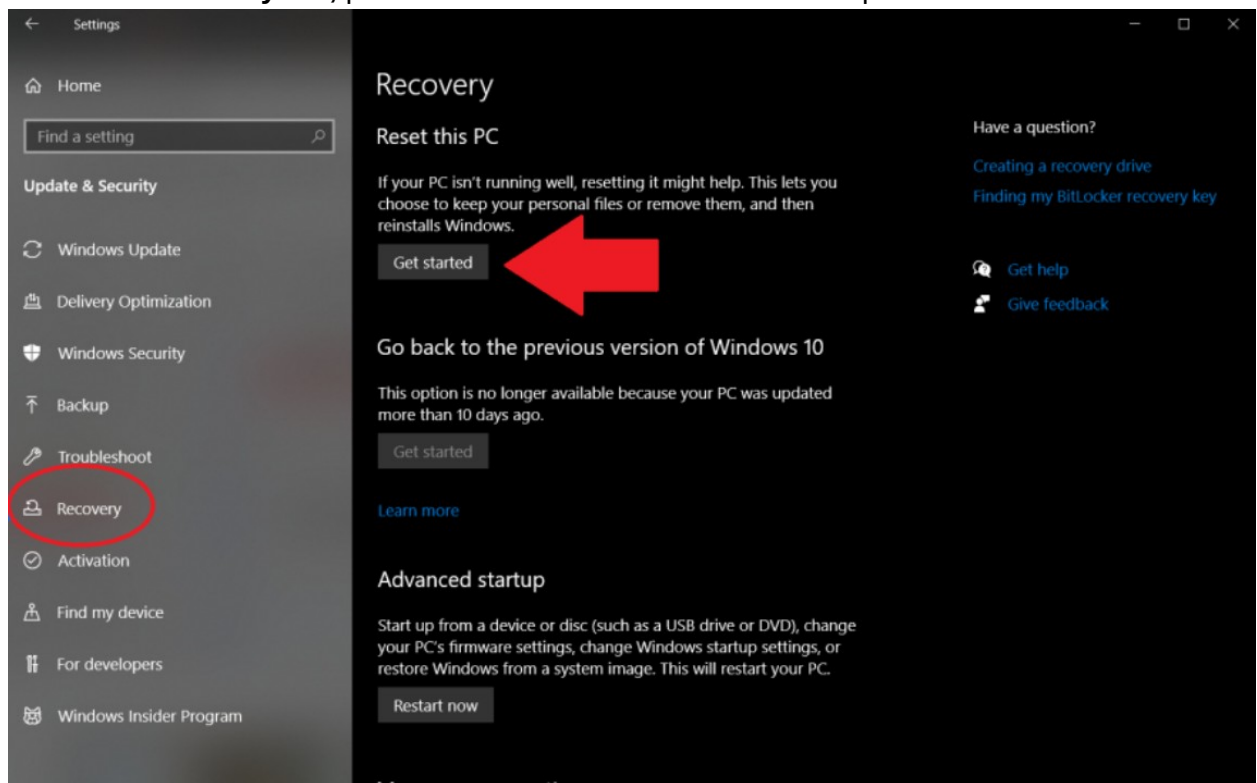
- Select **Keep my files** to remove only downloaded apps and settings. It is recommended if you're trying to roll back an issue.
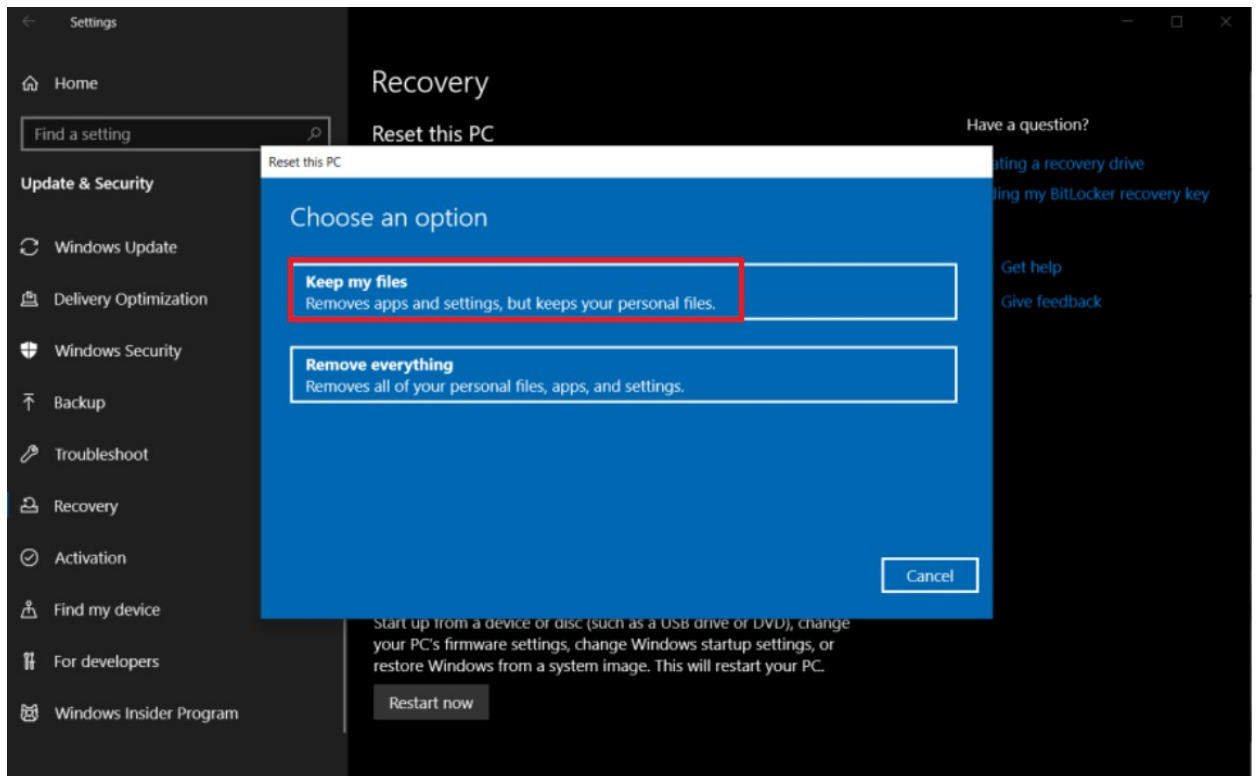
- Press **Cloud Download** to pull files directly from Microsoft servers. It is a faster and more reliable alternative to booting from a USB stick.
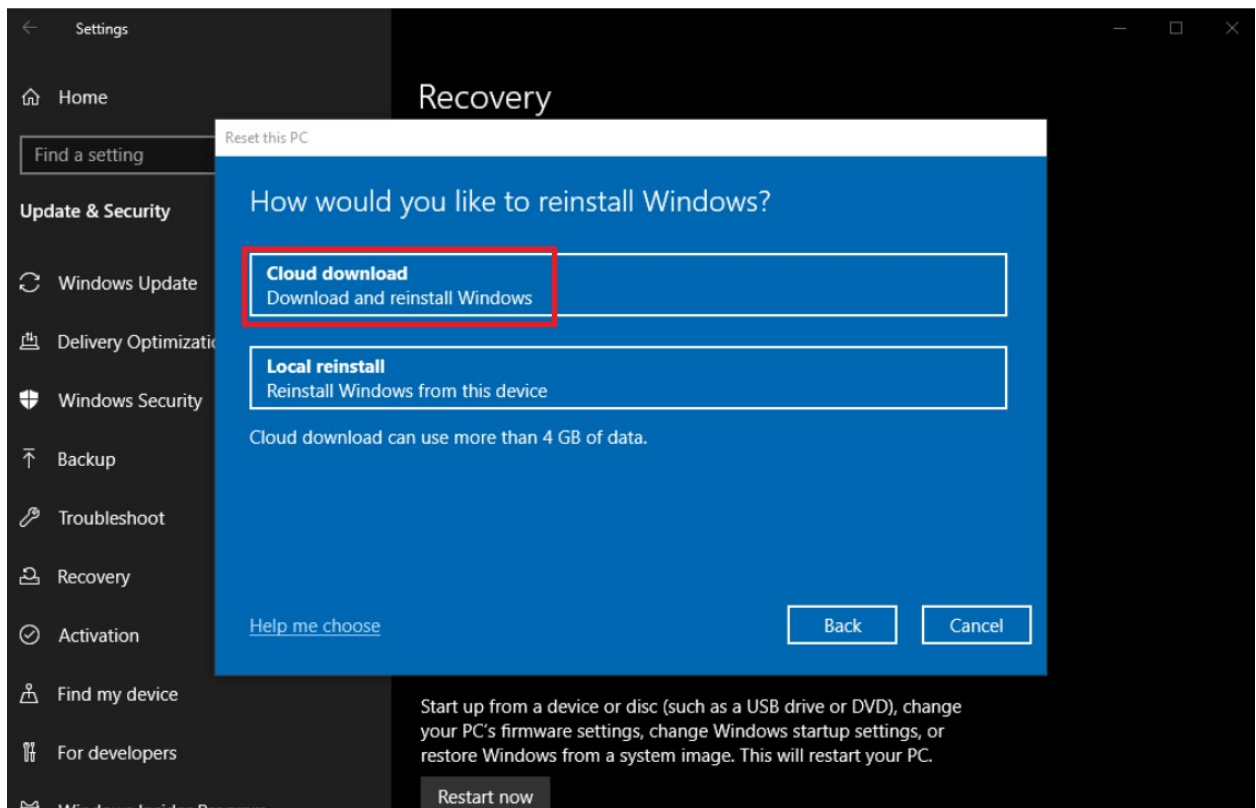
- Select **No** under the Clean Data option, **No** under the Download Windows, and **Yes** for Delete workplace resources
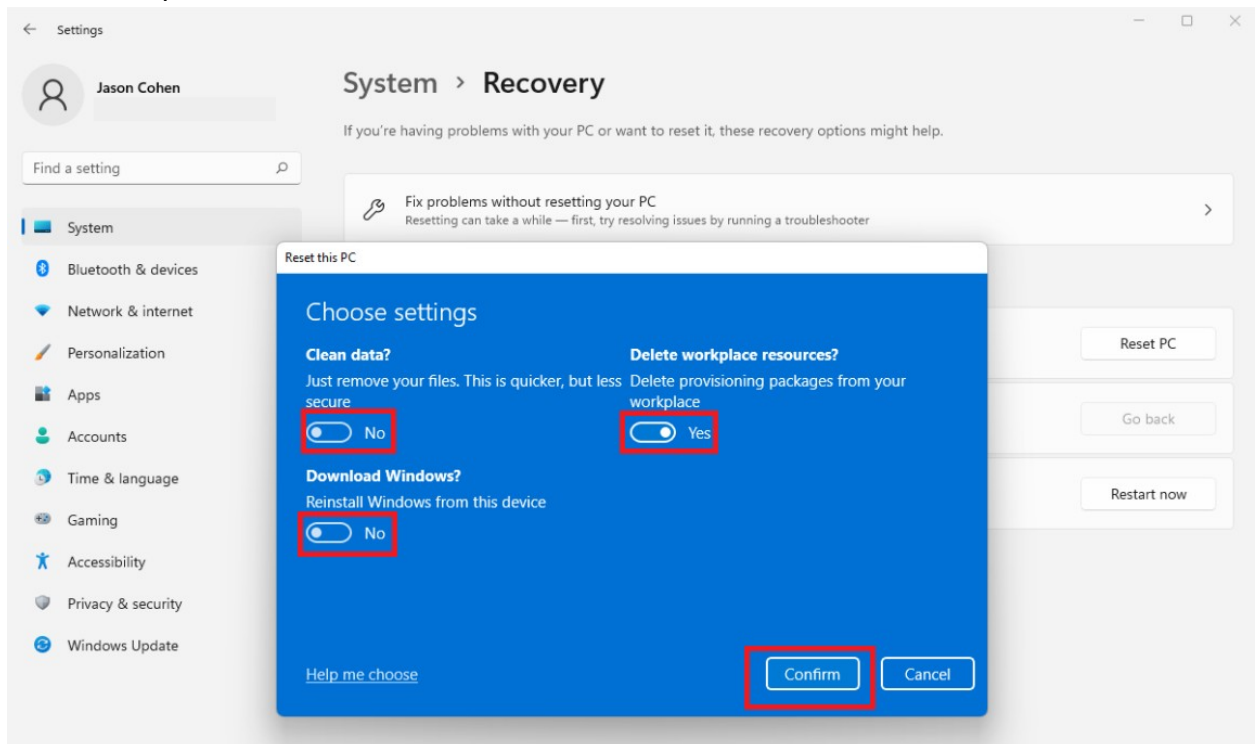
- Click on **Confirm** and then press **Reset** to begin formatting your PC.

Check for Faulty Hardware

All the hardware in your computer is a potential point of failure. CPUs and GPUs are one of the most common parts that break off. The best way to avoid such shortcomings is to run hardware diagnostic tests on your computer.
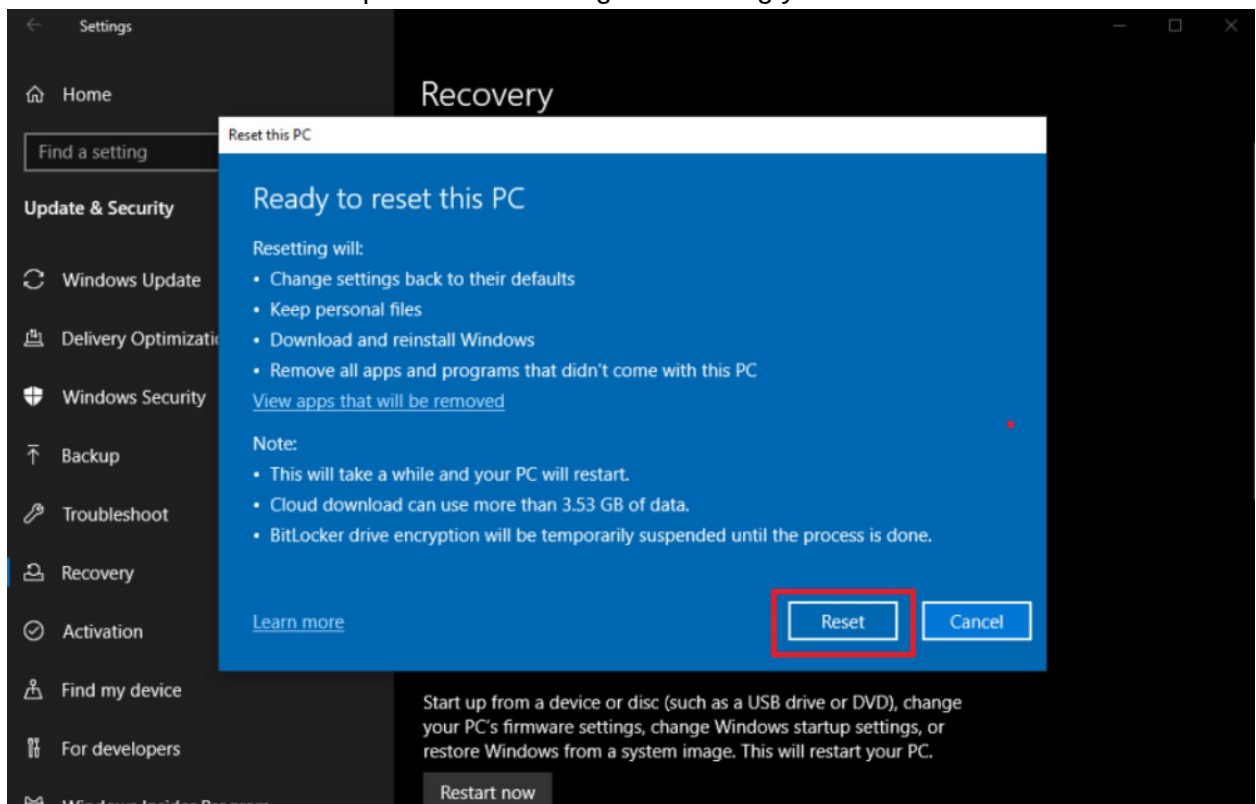
Windows 10 comes with two built-in PC hardware diagnostic tools.
- Performance Monitor
- Windows Memory Diagnostic

Performance Monitor

Windows 10 is the best tool for locating and diagnosing hardware and system issues. Follow these instructions to use it.
- Open the **Start** menu. Search **Performance Monitor** and open the application.
- Navigate to **Reports > System > System Diagnostics > [Computer Name]**
- Open the live performance graphs by going to **Monitoring tools > Performance Monitor**
- Have a look at the device performance and then go to **Reports > System**
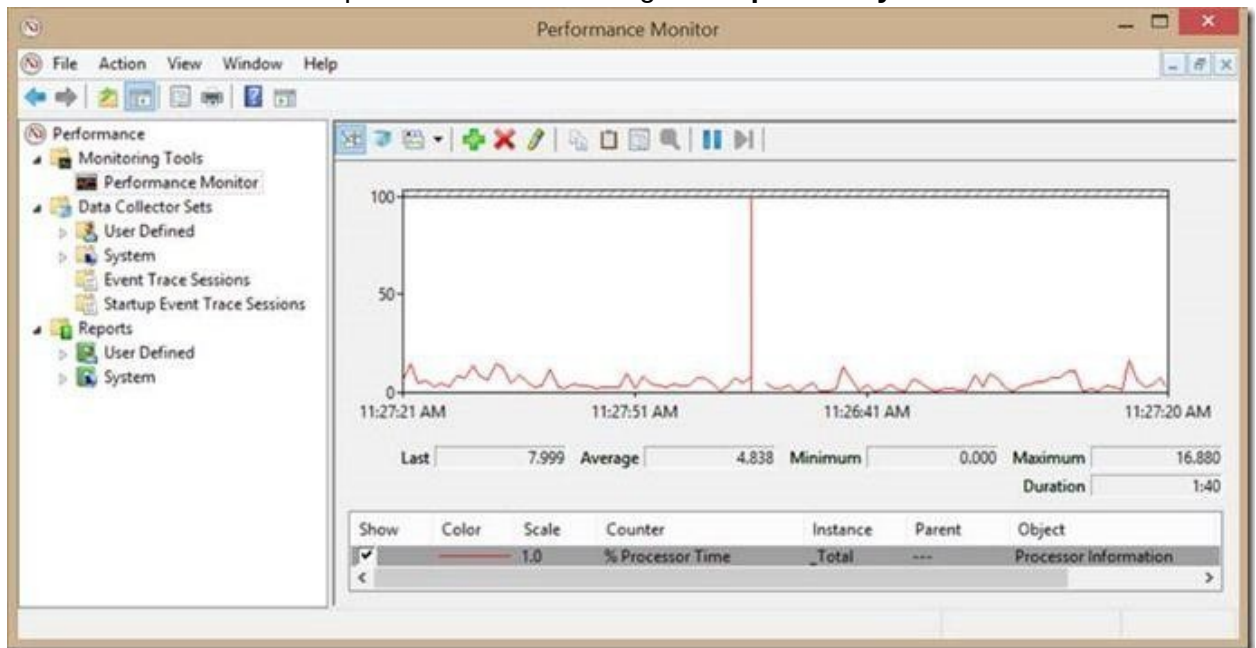
Windows Memory Diagnostic

It is used to test if your RAM is entirely operational. Follow these steps to test your RAM.
- Press Windows Key + R to open the Run window. Now type **mdsched.exe** and hit **Enter.**
- **Wait** for the test to complete, and Windows will display the results of your tests.

```
                    Windows Memory Diagnostics Tool


Windows is checking for memory problems...
This might take several minutes.

Running test pass  1 of  2: 06% complete
Overall test status: 03% complete




Status:
No problems have been detected yet.

Although the test may appear inactive at times, it is still running. Please
wait until testing is complete...

Windows will restart the computer automatically. Test results will be
displayed again after you log on.
```

Connect your laptop to another Audio System

HDMI in some laptops does not have an option to support audio transfers. For these unfortunate users, it is recommended that you connect your computer to a headset or sound system using the Audio Jack and get back to listening to the audio.

Summing things Up

No Sound through HDMI is one of the most commonly encountered errors on Windows 10. You can fix it by selecting a default digital output device from the system audio options, which should work for most users. You should inspect the HDMI cable thoroughly and snub the cable tightly to the port.

In the worst-case scenario, your hardware may have been damaged, for which you can run the software diagnostic tests.

Hope we helped; thanks for coming this far.

Frequently Asked Questions

How can I simultaneously output audio to both monitors in Windows 10?

Stereo Mix allows selecting multiple output devices for audio playback of Windows 10. You can enable stereo output by.

- Right-click on the sound volume and select Sounds.
- Select a primary audio playback device
- Turn on the Stereo Mix
- Now, set it as the default playback device. Select a secondary audio playback device.
- Apply changes and Save

Can I split audio from HDMI?

You can split the Audio from HDMI using a compatible splitter. It allows for a dual HDTV monitor setup. The feeds at the receiving end will recognize the ones it can use.

How do I enable HDMI audio on my computer?

You can enable HDMI audio by selecting the default device. Here's how to do it.
- Right-click on the sound volume icon and go to Playback devices.
- Open the Playback tab and navigate to Digital Output Device or HDMI option.
- Select Set Default and press Ok

How do I connect my TV to an HDMI cable?

To connect your TV to HDMI,
- Locate an HDMI port on the back of your device
- Connect one end of the HDMI cable to the HDMI port on the back of your PC.
- Now, connect the other end of your HDMI cable to the TV peripheral
- Ensure that the cable is snubbed and there is no gap.

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