



Commands You Should Know

By **Christian Bonilla** / February 6, 2017 06-02-2017 / 8 minutes

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email...

To most, the command prompt is a somewhat frightening frill of the Windows operating system. The interface is black, bleak, and without much assistance. Compared to the rest of the Windows interface, it just seems empty. Despite its underwhelming first impression, the command prompt is one of the **most powerful instruments** in the Windows arsenal.

15 CMD Commands Every Windows User Should Know

The command prompt is an antiquated, but powerful Windows tool. We'll show you the most useful commands every Windows user needs to know.

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The command prompt is useful for everything from complex automation to network configuration. What it lacks in interface it more than makes up for in effectiveness. If you



CMD Commands

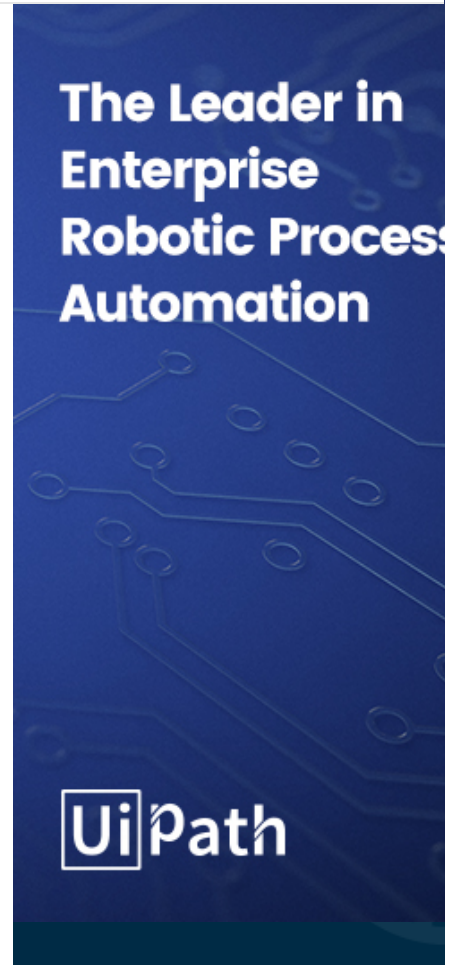
While most seek the best and most useful commands immediately, it helps to gloss over what different parameters mean. Proficiency with your command prompt comes not only through having a **lexicon of commands**, but of understanding what each parameter means and how different parameters can be combined to achieve a desired effect as well.

The Windows Command Prompt: Simpler And More Useful Than You Think

The commands haven't always stayed the same, in fact some have been trashed while other newer commands came along, even with Windows 7 in fact. So, why would anyone want to bother clicking the start...

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The following is a comprehensive list of most commands used in typical Windows commands. You can **download the PDF version here**. Scroll down to the following **Essential Command List** for an immediately usable list of commands.



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Google Home Max Review: The Smart Speaker That Brings The Power



ATTRIB	Displays or changes file attributes.	MDIR	Creates a directory.
BREAK	Sets or clears extended CTRL+C checking.	MCLINK	Creates symbolic links and hard links.
BCDBOOT	Used to copy critical files to the system partition and to create a new system BCD store.	MODE	Configures a system device.
BCDEDIT	Sets properties in boot database to control boot loading.	MORE	Displays output one screen at a time.
CACLS	Shows or changes access control lists (ACLs) of files.	MOVE	Moves one or more files from one directory to another directory.
CALL	Calls a batch program from another.	NETSTAT	Retrieves a list of currently open ports and related IP addresses.
CD	Shows the name of or changes to a current directory.	OPENFILES	Queries, displays, or disconnects open files or files opened by network users.
CHCP	Displays or sets the active code page number.	PATH	Displays or sets a search path for executable files.
CHDIR	Displays the name of or changes to the current directory.	PATHPING	Advanced version of ping, used if there are multiple routers between your PC and the device you're testing.
CHKDSK	Checks a disk and displays a status report.	PAUSE	Suspends processing of a batch file.
CHKNTFS	Displays or modifies the checking of disk at boot time.	PING	Sends a series of test packets to the specified address.
CHOICE	Batch file command that allows users to select from a set of options.	PQED	Retrieves the previous value of the current directory saved by PQED.
CIPHER	Displays or alters the encryption of directory files on NTFS partitions.	POWERCFG	Manages and tracks energy utilization and power consumption.
CMP	Redirects output of another command to the Windows clipboard.	PREFETCH	Prints a text file.
CMD	Clears the screen.	PROMPPT	Changes the Windows command prompt.
CMDQ	Starts a new instance of the Windows command interpreter.	PUSHD	Saves the current directory then changes it.
CMDKEY	Creates, lists, and deletes stored user names and passwords or credentials.	RD	Removes a directory.
COLOR	Sets the default console colors.	RECALL	Configures the current Windows recovery image.
COMP	Compares the contents of two files or sets of files byte by byte.	RECOVER	Restores readable information from a bad or defective disk.
COMPACT	Displays or alters the compression of files on NTFS partitions.	REN	Designates comments (remarks) in batch files.
CONVERT	Converts FAT volumes to NTFS. You cannot convert the current drive.	RENAME	Renames a file or files.
COPY	Copies one or more files to another location.	REPLACE	Replaces files.
DATE	Displays or sets the date.	RMCDIR	Removes a directory.
DEFRAG	Disk defragmentation accessory.	ROBOCOPY	Advanced utility to copy files and directory trees.
DEL	Deletes one or more files.	SET	Displays, sets, or removes environment variables for current session.
DIR	Displays a list of files and sub-directories in a directory.	SETLOCAL	Begin localisation of environment changes in a batch file.
DISKCOMP	Compares the contents of two floppy disks.	SETX	Sets environment variables.
DISKCOPY	Copies the contents of one floppy disk to another.	SHUTDOWN	Prepares for shutting down the computer.
DISKPART	Displays or configures disk partition properties.	SC	Displays or configures services (background processes).
DISKKEY	Edits command lines, recalls Windows commands, and creates macros.	SCHTASKS	Schedules commands and programs to run on a computer.
DISKPART	Displays current device driver status and properties.	SHIFT	Shifts the position of replaceable parameters in batch files.
ECHO	Displays messages, or turns commands echoing on or off.	SHUTDOWN	Allows proper local or remote shutdown of machine.
ENDLOCAL	Ends localisation of environment changes in a batch file.	SHIFT	Sorts input.
ERASE	Deletes one or more files.	START	Starts a separate window to run a specified program or command.
EXIT	Quits and closes the command shell.	SUBST	Associates a path with a drive letter.
EXPAND	Expands compressed files.	SYSTEMINFO	Displays machine-specific properties and configuration.
FC	Compares two files or sets of files, and displays the differences between them.	TAKEDOWN	Allows an administrator to take ownership of a file.
FIND	Searches for a text string in a file or files.	TASKLIST	Displays all currently running tasks including services.
FINDSTR	Searches for strings in files.	TASKKILL	Kills running process or applications.
FOR	Runs a specified command for each item in a set.	TIME	Displays or sets the system time.
FORFILES	Searches files in a folder for batch processing.	TIMEOUT	Pauses the command processor for the specified number of seconds.
FORMAT	Formats a disk for use with Windows.	TITLE	Sets the window title for a CMD/EXE session.
FSUTIL	Displays or configures the file system properties.	TRACE	Returns information about each step in the route between your PC and the target.
FTYPE	Displays or modifies file types used in the extensions associations.	TYPE	Displays the contents of a text file.
GOTO	Directs the Windows command interpreter to a labeled line in a batch program.	VER	Displays the Windows version.
GPRESULT	Displays Group Policy information for machine or user.	VERIFY	Tells Windows whether or verify that your files are written correctly to a disk.
GRAPHICS	Enables Windows to display an extended character set in graphics mode.	VOL	Displays a disk volume label and serial number.
HELP	Provides help information for Windows commands.	VSSADMIN	Volume Shadow Copy Service administration tool.
ICACLS	Display, modify, backup, or restore ACLs for files and directories.	WHERE	Displays the locations of files that match a search pattern.
IF	Performs conditional processing in batch programs.	WMIC	Displays WMI information inside interactive command shell.
IPCONFIG	Displays all current TCP/IP network configuration values.	XCOPY	Copies files and directory trees.
LABELED	Creates, changes, or deletes the volume label of a disk.		

A-B

ASSOC - Displays or modifies file extension associations.

ATTRIB - Displays or changes file attributes.

BREAK - Sets or clears extended CTRL+C checking.

BCDBOOT - Used to copy critical files to the system partition and to create a new system BCD store.

BCDEDIT - Sets properties in boot database to control boot loading.

C

CACLS - Shows or changes access control lists (ACLs) of files.

CALL - Calls a batch program from another.

CD - Shows the name of or changes to a current directory.

CHCP - Displays or sets the active code page number.

CHDIR - Displays the name of or changes to the current directory.

CHKDSK - Checks a disk and displays a status report.

CHKNTFS - Displays or modifies the checking of disk at boot time.

CHOICE - Batch file command that allows users to select from a set of options.

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CLS - Clears the screen.

CMD - Starts a new instance of the Windows command ir

CMDKEY - Creates, lists, and deletes stored user name

COLOR - Sets the default console colors.

COMP - Compares the contents of two files or sets of

COMPACT - Displays or alters the compression of files

CONVERT - Converts FAT volumes to NTFS. You cannot co

COPY - Copies one of more files to another location.

◀ ▶

D

DATE - Displays or sets the date.

DEFRAG - Disk defragment accessory.

DEL - Deletes one or more files.

DIR - Displays a list of files and sub-directories in

DISKCOMP - Compares the contents of two floppy disks.

DISKCOPY - Copies the contents of one floppy disk to

DISKPART - Displays or configures Disk Partition prop

DOSKEY - Edits command lines, recalls Windows commanc

DRIVERQUERY - Displays current device driver status a

◀ ▶

E

ECHO - Displays messages, or turns commands echoing c

ENDLOCAL - Ends localization of environment changes i

ERASE - Deletes one of more files.

EXIT - Quits and closes the command shell.

EXPAND - Expands compressed files.

◀ ▶

F





FINDSTR - Searches for strings in files.

FOR - Runs a specified command for each item in a set

FORFILES - Selects files in a folder for batch processing

FORMAT - Formats a disc for use with Windows.

FSUTIL - Displays or configures the file system properties

FTYPE - Displays or modifies file types used in file

G-I

GOTO - Directs the Windows command interpreter to a label

GPRESULT - Displays Group Policy Information for machine

GRAFTABL - Enables Windows to display an extended character

HELP - Provides help information for Windows commands

ICACLS - Display, modify, backup, or restore ACLs for files

IF - Performs conditional processing in batch programs

IPCONFIG - Displays all current TCP/IP network configuration

L-M

LABEL - Creates, changes, or deletes the volume label

MD - Creates a directory.

MKDIR - Creates a directory.

MKLINK - Creates Symbolic Links and Hard Links.

MODE - Configures a system device.

MORE - Displays output one screen at a time.

MOVE - Moves one or more files from one directory to another

O-P

OPENFILES - Queries, displays, or disconnects open files

PATH - Displays or sets a search path for executable files

PAUSE - Suspends processing of a batch file.



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PRINT - Prints a text file.

PROMPT - Changes the Windows command prompt.

PUSHD - Saves the current directory then changes it.

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R

RD - Removes a directory.

RECOVER - Recovers readable information from a bad or

REM - Designates comments (remarks) in batch files.

REN - Renames a file or files.

RENAME - Renames a file or files.

REPLACE - Replaces files.

RMDIR - Removes a directory.

ROBOCOPY - Advanced utility to copy files and directo

◀ ▶

S

SET - Displays, sets, or removes environment variable

SETLOCAL - Begins localization of environment changes

SETX - Sets environment variables.

SC - Displays or configures services (background proc

SCHTASKS - Schedules commands and programs to run on

SHIFT - Shifts the position of replaceable parameters

SHUTDOWN - Allows proper local or remote shutdown of

SORT - Sorts input.

START - Starts a separate window to run a specified p

SUBST - Associates a path with a drive letter.

SYSTEMINFO - Displays machine specific properties and

◀ ▶

T

TAKEOWN - Allows an administrator to take ownership c

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TIME - Displays or sets the system time.

TIMEOUT - Pauses the command processor for the specified amount of time.

TITLE - Sets the window title for a CMD.EXE session.

TREE - Graphically displays the directory structure of a specified drive or folder.

TYPE - Displays the contents of a text file.

V-X

VER - Displays the Windows version.

VERIFY - Tells Windows whether or not to verify that your files were written correctly.

VOL - Displays a disk volume label and serial number.

VSSADMIN - Volume Shadow Copy Service administration

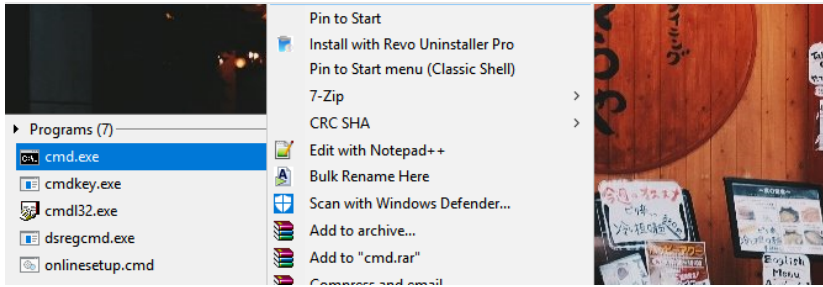
WHERE - Displays the locations of files that match a specified criteria.

WMIC - Displays WMI information inside interactive command prompt.

XCOPY - Copies files and directory trees.

Note: In order to have full access of the command prompt, you must run the prompt as an **Administrator**. Administrator privilege allows users to access commands otherwise inaccessible.





To activate Administrator mode, open your **Start menu**, type in **cmd**, right-click on the **CMD program**, and select **Run as administrator**. In **Windows 10**, you can also right-click the Start button and select **Command Prompt (Admin)**.

Essential Command List

CMD commands number in the thousands, each one with its own action.

[command] /?

The above command provides users more information given particular commands. This tops the list, solely because it allows users the ability to figure out commands without having to rely on third party sources.

```
C:\Windows\System32\cmd.exe

The default is to display only the IP address, subnet mask and
default gateway for each adapter bound to TCP/IP.

For Release and Renew, if no adapter name is specified, then the IP address
leases for all adapters bound to TCP/IP will be released or renewed.

For Setclassid and Setclassid6, if no ClassId is specified, then the ClassId is r
emoved.

Examples:
> ipconfig                ... Show information
> ipconfig /all           ... Show detailed information
> ipconfig /renew         ... renew all adapters
> ipconfig /renew EL*     ... renew any connection that has its
                           name starting with EL
> ipconfig /release *Con* ... release all matching connections,
                           eg. "Wired Ethernet Connection 1" or
                           "Wired Ethernet Connection 2"
> ipconfig /allcompartments ... Show information about all
                           compartments
> ipconfig /allcompartments /all ... Show detailed information about all
                           compartments

C:\Windows\System32>
```

sfc /scannow

Repairs crucial system files without the needing to re-install the OS.

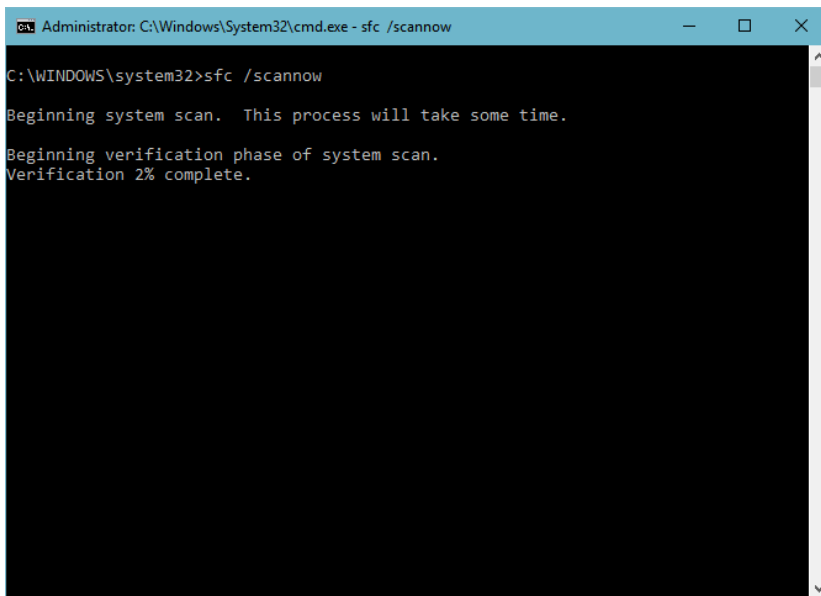




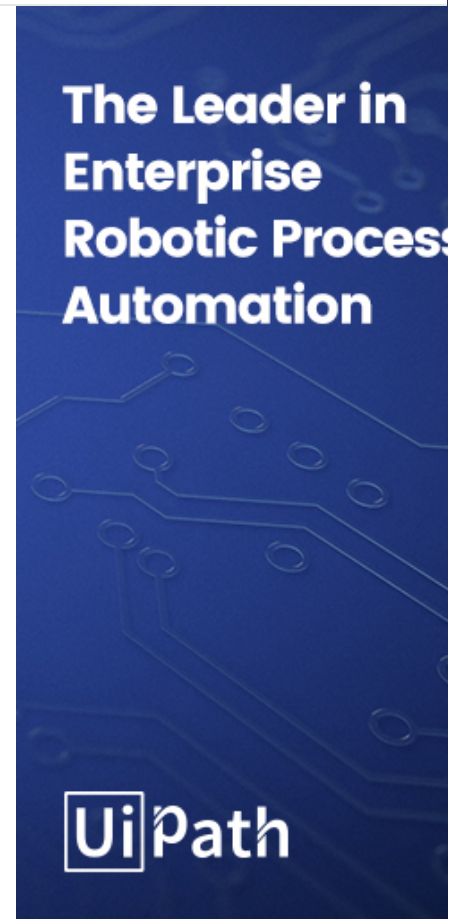
System corruption is the worst that could happen to your Windows installation. We show you how to get **Windows 10** back on track when suffering from BSODs, driver errors, or other unexplained issues.

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It's best to run this command in safe mode, as any immediate OS issues may jeopardize a complete repair.



```
Administrator: C:\Windows\System32\cmd.exe - sfc /scannow  
C:\WINDOWS\system32>sfc /scannow  
Beginning system scan. This process will take some time.  
Beginning verification phase of system scan.  
Verification 2% complete.
```



chkdsk

Repairs file system errors, bad sectors, and recovers readable information. There are two methods of running the chkdsk command.

chkdsk /F — Runs chkdsk and fixes file system errors.

chkdsk /R — Fixes errors, locates bad sectors, and recovers information from those bad errors. A more comprehensive scan than **/F**.



```
WARNING! /F parameter not specified.  
Running CHKDSK in read-only mode.  
  
Stage 1: Examining basic file system structure ...  
Progress: 189350 of 925952 done; Stage: 20%; Total: 7%; ETA: 0:01:50 ..
```

ping, pathping, tracert

Ping and **pathping** (a more comprehensive form of ping) will echo or display data packets sent to and from a specific website. Pathping, along with **tracert**, will display the IP address of every **router** (or hop) on the way to your desired domain.

```
Administrator: C:\Windows\System32\cmd.exe - pathping www.makeuseof.com  
  
C:\WINDOWS\system32>chkdsk  
The type of the file system is NTFS.  
The volume is in use by another process. Chkdsk  
might report errors when no corruption is present.  
  
C:\WINDOWS\system32>ping www.makeuseof.com  
  
Pinging makeuseof.com [54.221.192.241] with 32 bytes of data:  
Reply from 54.221.192.241: bytes=32 time=102ms TTL=43  
Reply from 54.221.192.241: bytes=32 time=93ms TTL=43  
Reply from 54.221.192.241: bytes=32 time=94ms TTL=43  
Reply from 54.221.192.241: bytes=32 time=94ms TTL=43  
  
Ping statistics for 54.221.192.241:  
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),  
    Approximate round trip times in milli-seconds:  
        Minimum = 93ms, Maximum = 102ms, Average = 95ms  
  
C:\WINDOWS\system32>pathping www.makeuseof.com  
  
Tracing route to makeuseof.com [54.221.192.241]  
over a maximum of 30 hops:  
  0  Rosebud [10.42.0.61]  
  1  10.42.0.1  
  2  homeportal [192.168.1.254]  
  3  172-1-204-3.lightspeed.irvnca.sbcglobal.net [172.1.204.3]  
  4  75.20.0.246
```

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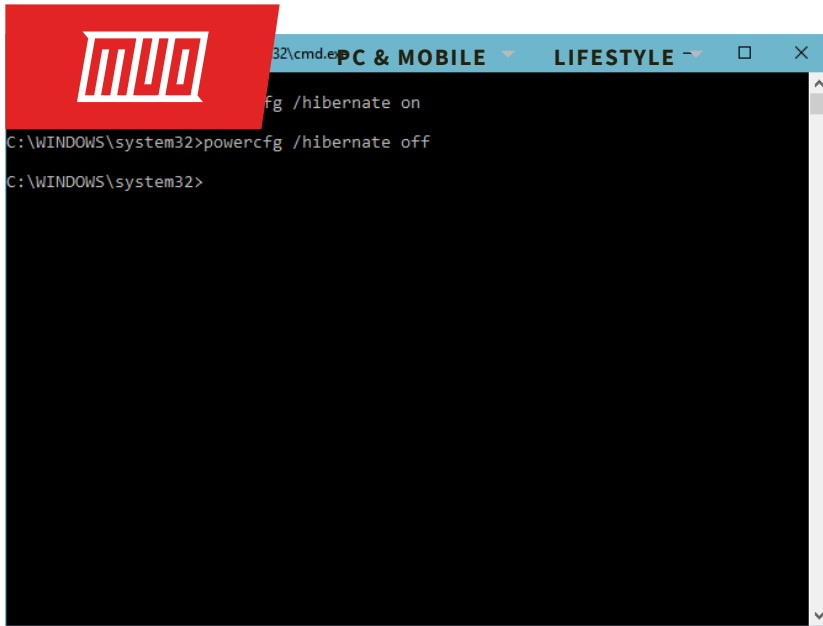




By default, certain power configurations like Hibernation mode are off by default. Hibernation mode, as opposed to powering the PC off, will save the last state of your PC (programs, windows, etc.) and start up quicker. In order to enable or disable, use the following commands:

powercfg /hibernate on — Turns on Hibernate mode, accessible through the default Windows power options.

powercfg /hibernate off — Turns off Hibernation mode.



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driverquery ... > [File Name]

While most of us can't make heads and tails of our PC drivers, there are times when driver issues will spring up. This may be as minor as a delay in performance, or as major as constant BSODs.

While the driverquery doesn't present an immediate advantage, it does give an overview of the PC's driver information in order to fully troubleshoot hardware and software issues.

driverquery — Presents an assorted list of installed drivers.

driverquery /FO TABLE, LIST or CSV — Presents your drivers as a Table, List, or excel spreadsheet.

If you add > [FileName.csv] to your original parameter — **driverquery /FO CSV > driverquery.csv** for example — your



directed to your **Windows32** folder by default.

```
Administrator: C:\Windows\System32\cmd.exe
C:\WINDOWS\system32>driverquery

Module Name      Display Name      Driver Type      Link Date
-----
1394ohci         1394 OHCI Compliant Ho Kernel          11/27/2037 9:22:44 AM
3ware            3ware             Kernel          5/18/2015 3:28:03 PM
ACPI             Microsoft ACPI Driver Kernel          5/17/2093 12:32:18 AM
AcpiDev          ACPI Devices driver Kernel          3/3/2073 9:43:22 AM
acpiex           Microsoft ACPIEx Drive Kernel          6/14/1986 11:06:06 PM
acpipagr         ACPI Processor Aggrega Kernel          9/30/2103 8:08:06 AM
AcpiPmi          ACPI Power Meter Drive Kernel          12/7/2041 11:00:33 AM
acpitime         ACPI Wake Alarm Driver Kernel          1/17/2060 3:54:05 AM
ADP80XX          ADP80XX            Kernel          4/9/2015 1:49:48 PM
AFD              Ancillary Function Dri Kernel          6/23/2091 10:51:39 AM
ahcache          Application Compatibil Kernel          6/27/2027 6:24:10 PM
amdacpksd        ACP Kernel Service Dri Kernel          11/3/2015 1:54:16 PM
AmdK8            AMD K8 Processor Drive Kernel          10/26/2024 4:29:02 AM
amdkmaf          AMD Audio Bus Lower Fi Kernel          5/19/2015 4:26:48 PM
amdkmdag         amdkmdag           Kernel          1/13/2017 8:20:12 AM
amdkmdap         amdkmdap           Kernel          1/13/2017 7:58:02 AM
AmdPPM           AMD Processor Driver Kernel          8/3/2030 2:38:38 PM
amdsata          amdsata            Kernel          5/14/2015 5:14:52 AM
amdsbs           amdsbs             Kernel          12/11/2012 1:21:44 PM
amdxata          amdxata            Kernel          4/30/2015 5:55:35 PM
AppID            AppID Driver        Kernel          5/19/2083 7:14:38 PM
applockerflt     Smartlocker Filter Dri Kernel          5/14/2001 10:35:58 PM
AppvStrm         AppvStrm            File System     4/26/2052 10:55:23 AM
```

ipconfig /release, renew, flushdns

At times, network issues can occur through faulty IP addresses or corrupted DNS (**Domain Name** Server) files. To fix this, enter the following commands in order:

ipconfig /release — Releases your IP address.

ipconfig /renew — Replaces your previous IP address (and takes considerably longer to finish than the other two).

ipconfig /flushdns — Erases the previously configured DNS listing, allowing websites that were previously unusable to load again.

It's best only to do this when you're having a network issue. More specifically, when you're connected to the internet but certain websites won't work.

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```
C:\Windows\system32\ipconfig /release

Windows IP Configuration

Ethernet adapter VirtualBox Host-Only Network:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::5076:4545:6b4a:4e29%16
    IPv4 Address. . . . . : 192.168.56.1
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::b1e6:f23a:8a25:9d7e%11
    Default Gateway . . . . . : 

Ethernet adapter VMware Network Adapter VMnet1:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::81f8:4113:942a:1023%7
    IPv4 Address. . . . . : 192.168.137.1
    Subnet Mask . . . . . : 255.255.255.0
```

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Command Your Prompt!

The command prompt isn't some strange beast made out to confuse you. It's a simple feature, jam-packed with useful tools to control pretty much every aspect of your PC. We've only scratched the surface of what the command prompt has in store for you, so **get to learning!**

A Beginner's Guide To The Windows Command Line

The command line lets you communicate directly with your computer and instruct it to perform various tasks.

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What other commands would you like to learn? Let us know in the comments below!

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and Fix Sound Quality in Windows 10

By **Joe Keeley** / April 3, 2018 03-04-2018 / 4 minutes

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Sound might not be something you think about too much, but **Windows 10** has many options to customize it to its full potential. We're going to show you all sorts of tips and tricks to make your sound experience better.

From quickly switching between audio devices to enabling sound enhancements, hopefully, you'll learn something new here. Be sure to let us know in the comments afterward if you have any of your own suggestions.

1. Change Sound Effects

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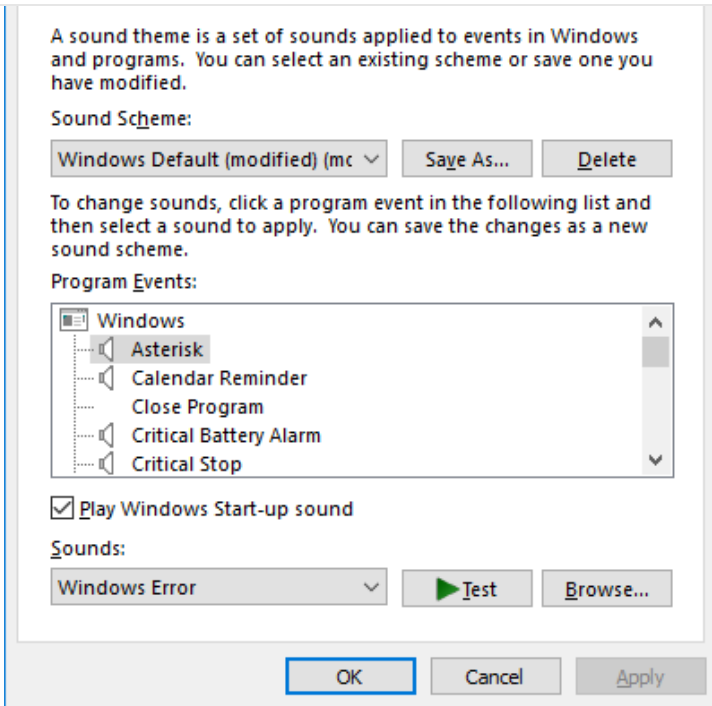
Joe Keeley
143 articles

Joe started writing about technology when he was far too young and hasn't stopped. He spends most of his time obsessing over computer software and hardware, and loves talking about himself in third person. Ask me about Loom.

Frictionless
& Frustration
Free IT



Move to
Directory-as-a-Ser



You can customize all sounds in Windows to get a personalized experience. To get to the area where you do this, press **Windows key + I** to open Settings and navigate to **Personalization > Themes > Sounds**. Alternatively, right-click the speaker icon on your taskbar tray and click **Sounds**.

Use the **Sound Scheme** dropdown to switch between the default Windows options. You can choose **No Sounds** if you want to mute all sounds.

Alternatively, click an item on the **Program Events** list and use the **Sounds** dropdown or **Browse...** to select a different sound. Be sure to click **OK** when you're done.

See our [guide for spicing up your Windows sound effects](#) if you want some great resources for downloading free sounds.

Spice Up Your Windows Sound Effects With Amazing Resources

Default Windows sounds can get boring. If you want to mix things up a bit, change your computer's sound scheme! We will briefly walk about through the process and point out great resources.

[READ MORE](#)

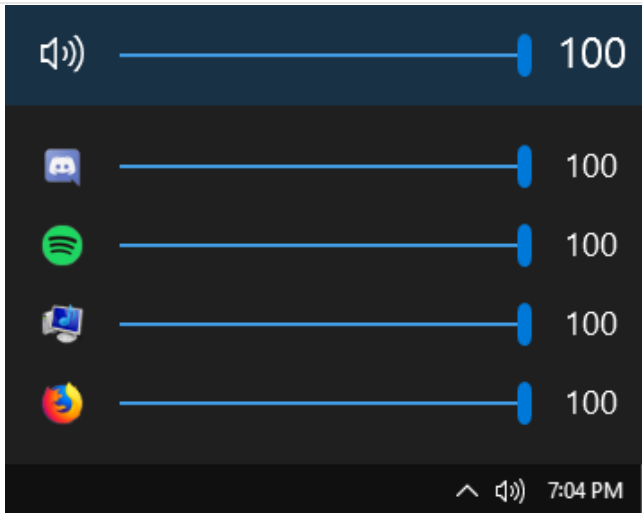
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The Blackview P6000 Has a Huge Battery, But That's About It (Review and Giveaway!)

Google Home Max Review: The Smart Speaker That Brings The Power



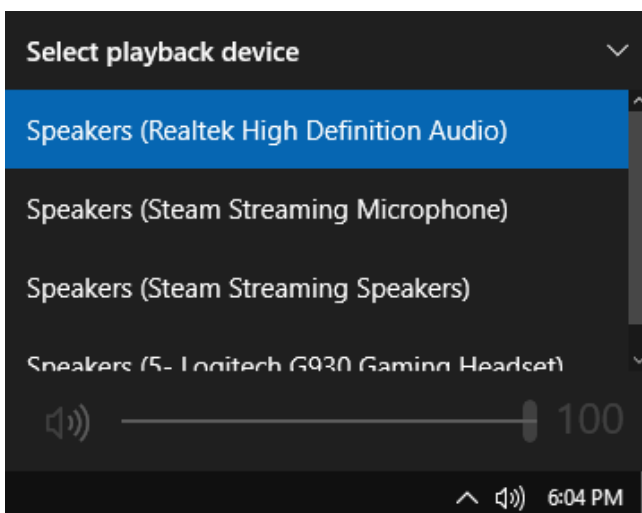


Clicking the **speaker icon** in your taskbar tray will let you adjust your overall system volume. However, that's not very useful when you want to control an application's individual volume. To do this, right-click the speaker icon, click **Open Volume Mixer** and adjust the sliders accordingly.

If you want to do this quicker and with the help of an enhanced Windows interface, download **EarTrumpet** from the Microsoft Store. Once installed, open it and it'll automatically go into your expanded taskbar tray. Left-click and drag the icon onto the taskbar to keep it there permanently.

If you want to remove the standard speaker icon and use only EarTrumpet, right-click the taskbar and click **Taskbar settings**. Click **Turn system icons on or off** and slide **Volume** to **Off**.

3. Quickly Switch Audio Devices



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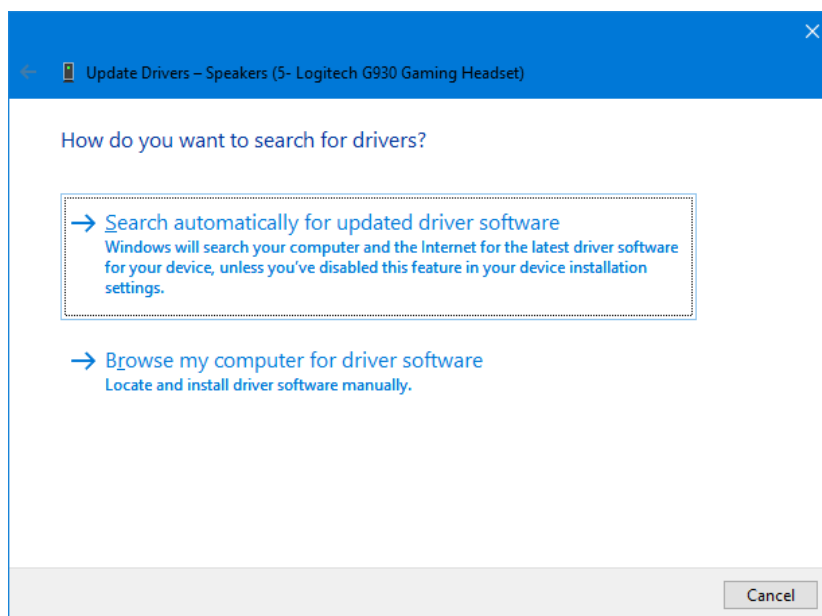
forth between them. To do this, click the **speaker icon** in your taskbar tray. Click your current **audio device name** and it will bring up a list of the other options. Simply **click the audio device** that you want to change to.

An even better way to do this is with a free and lightweight program called **Audio Switcher**. With this, you can assign audio devices (playback and recording) to any keyboard combination you desire. This is great for quickly switching between audio devices, especially when you're using a full screen application.

The program's **Playback** and **Recording** tabs will show you all your tabs. Right-click any of them to perform actions like setting it as your **Default Device** or **Set Hot Key**.

I'd recommend going to the **Settings** tab and ticking **Start when Windows starts** and **Start minimized**.

4. Update Your Audio Drivers



If you've been having trouble with your audio, you should **try updating your audio drivers**. To do this, press **Windows key + X** and click **Device Manager**. Double click **Audio inputs and outputs**. Find the troublesome audio device, right-click it and select **Update driver**. Click **Search automatically for updated driver software** and follow the wizard through.

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If this doesn't work, repeat the steps above, but click **Uninstall device** rather than Update. Restart your system and Windows will attempt to automatically reinstall the driver. If that's still problematic, head to the manufacturer's website and grab it directly from there.

If your audio problems continue, **right-click the speaker icon** in your taskbar tray and click **Troubleshoot sound problems**. Follow the wizard and it'll attempt to automatically resolve any issues that it finds.

Still no luck? See our [guide for fixing Windows 10 audio issues](#) for even more advice.

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Sound and audio issues are common in **Windows 10**. Luckily, those who suffered through this before you have shared their solutions. We have compiled the 7 most helpful audio troubleshooting tips for you.

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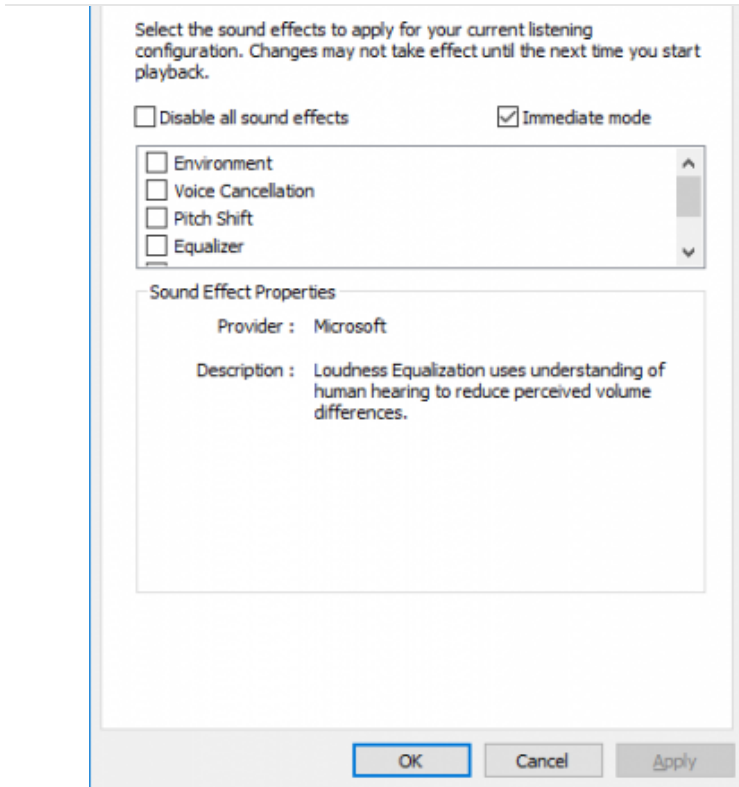
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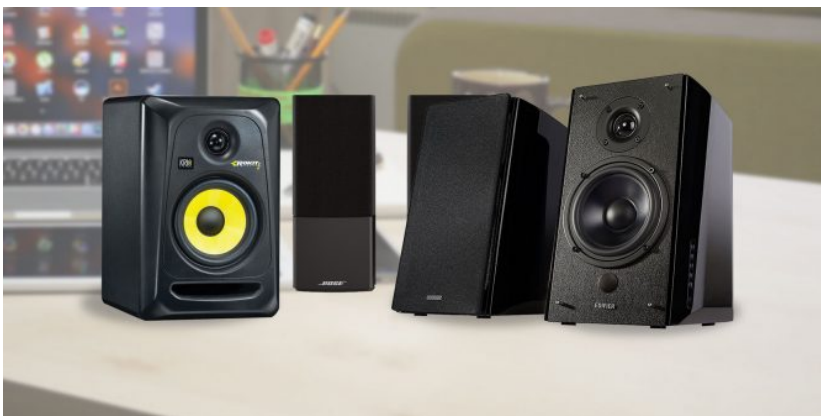


Windows has a number of built-in sound enhancements that you can apply to your playback devices. To get going, right-click the speaker icon in your taskbar tray and click **Playback devices**.

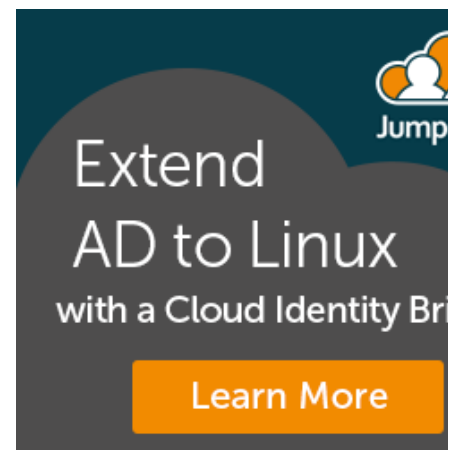
Double-click the playback device you want to alter. Switch to the **Enhancements** tabs. To have it applied immediately, so you can quickly test out the options, tick **Immediate mode**.

Now you can tick which sound enhancement you would like, such as **Virtual Surround** or **Loudness Equalization**. If you click one, it'll give you a description of what it does.

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you're on a portable device, but it's definitely recommended for desktops. Also, you're mistaken if you think you'll have to break the bank to get the best.

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Hopefully, you've learned something new about how to get the best out of audio on **Windows 10**. These are all easy and quick things to do, but they'll make your Windows experience even better.

But it doesn't have to stop there! Windows 10 has a hidden feature that will give you virtual surround sound in a few clicks. Set up the [spatial surround sound feature called Windows Sonic](#) and perfect your audio experience.



The Windows 10 Creators Update contains a hidden jewel: Windows Sonic, a new spatial surround sound tool for Windows 10. Let us show you how to set it up!


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