



# Music & Internet



## Glossary of Terms

- MP3 - The file format for online music (.mp3)  
iPod - Super-popular media playing device from Apple Computers  
iTunes - Media library and store for organizing/getting media  
Sync - To download files into iPod or from iPod to PC  
Rip - To put a music CD on your computer, coded to MP3 format  
Burn - To make a CD using CD-writer drive and blank CD

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### 1. Download/Rip & Listen

Downloading music off internet or converting CD's you own to MP3 and listening through PC

Needs:

CD's  
Music player/manager program  
HS Internet (for downloading)  
Speakers on computer

### 2. Download/Rip & Transfer

Downloading music off internet or converting CD's you own to MP3 and transferring to portable player

Needs:

CD's  
Music player/manager program  
HS Internet (for downloading)  
Portable player

### 3. Stream Over Internet

Listening to or watching an online broadcast through your PC

Needs:

Music player/manager program  
HS Internet  
Speakers on computer

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## Download/Rip and Listen

Downloading means finding places that sell songs/albums online and downloading them. Examples include iTunes, Amazon.com, Walmart.com, mp3.com and more. Content from these places are legal, high-quality, virus/spyware free. **Do not use free downloading programs like eDonkey, Kazaa, Limewire, Bearshare, etc. that "share" files between other users.** There are many risks involving copyrights, viruses, spyware and file/connection security.

Ripping means turning your music CD into MP3 (computer) files for burning, listening or transferring to a portable device. The MP3 format is more efficient so you can fit 2-3x as many songs on a CD in MP3 format as normal "music" format. Most standard music players like Real Player, Windows Media Player and iTunes can rip your CD's and store them in a "music library" file on your computer. Then at any time you can listen to them (without needing the CD), burn them onto blank CDs or move them to a portable device (iPod or other MP3 player).

Listen using your computer speakers without needing the CD or an internet connection.

1. Get music downloading/organizing program -- Real Player, Windows Media Player, iTunes (you can download them from real.com, windowsmediaplayer.com and itunes.com if needed)
2. Open music program
3. Click "Store" or "Search" to find and download music
3. Insert music CD
4. Click song to download\*  
*\*you may be asked to setup account and give payment information*
4. Follow automatic prompts or find and click "Record" to rip CD
5. From now on, you can open this music program, find album/artist/song(s) and play directly through computer speakers without the CD or being online.



# Download/Rip, Transfer to Portable Player

Downloading -- Use steps on previous page to download from Internet

Ripping -- Use steps on previous page to rip CD into MP3 format

Transfer to Portable Player -- Takes music you have already downloaded and/or ripped and transfers it to a portable media player.

**\*\*If your portable player is an Apple iPod, you will need to use iTunes for your music downloading and organizing program. Also, the new iPods only connect with iTunes 7.4, which is currently only available for Windows XP, Windows Vista or Mac OS X.\*\***

1. Get music downloaded or ripped onto computer
2. Open music program
3. Plug in portable device (USB connection)
4. Install portable device software (if needed--- most will NOT have software to load)
5. Follow instructions of portable device for transferring files. We will demonstrate transferring to an Apple iPod and to a non-iPod MP3 player.

**Apple iPod** (Shuffle, Nano, Touch or Classic) A sleek, stylish, high-capacity portable music device. Highly popular with a wide range of available accessories.

## 1. Getting Started

Get an iPod

Download iTunes from [www.itunes.com](http://www.itunes.com)

Open iTunes and go through installation prompts

## 2. Load CDs onto Computer/iTunes

Open iTunes

Put CD in the CD tray

Click "Yes" at prompt to load CD into iTunes

Wait for CD to copy into iTunes

Add another CD or move onto loading iPod

## 3. Shop for music/tv/movies at iTunes

Click links in iTunes for popular titles or use search feature at the top

Click song(s) you are interested in

Go through checkout to pay for song(s)

They will now show up in your media library

## 4. Connect iPod, Authorize & Sync

Connect your iPod

You may be asked to Sync iPod

(this is okay but you will need to Sync again if you have purchased music)

Click on your iPod listed on the left

Click "Store" at the top

Click "Authorize Computer"

Type in your iTunes login/password

(you can authorize 5 computers to play purchased content with)

## 5. What Now?

From now on, when you open iTunes and plug in your iPod, it will automatically Sync and download any new content on your computer to your iPod.



## Other MP3 Player (Zune, Sony, Creative Labs, Zen, etc)

Most other MP3 players are less expensive than comparable iPods. They also differ by design, controls and the fact that they will work with, but do not require, iTunes.

Get **Real Player** on computer  
(other music programs work, but we will only give instructions for Real Player to keep things simple)  
Open Real Player; download music/rip cd's  
Connect your portable MP3 player  
Click Burn/Transfer tab in Real Player  
Click drop-box by Current Burn/Transfer Device

Select your device  
(If not listed, click Add A New Device under Tasks)  
Click type of media to transfer in My Library  
Select Subgroup to look through  
Click title to transfer; click Add to Selected Device  
Repeat until finished adding content  
Double-click files on device side to see files loaded on your MP3 player  
Delete and re-arrange content  
Click Eject Device when finished  
Unplug device from USB

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## Streaming Over Internet

Streaming means accessing content that is being broadcast and listening to it while it is being broadcast. Radio stations often stream their normal broadcast so people can listen over the Internet. Radio and tv stations might offer online broadcasts of special shows through their web site. This year, ABC, NBC and CBS are all offering their most popular primetime shows online for free as streamed programs. The big difference between streaming and downloading is streaming means you listen/watch now. It is not a file you can save and use later or transfer to another device.

Real Player, Windows Media Player and iTunes all have a built in "internet radio" tuner as well as access to syndicated programming. Stations may differ in quality and reliability; just try different stations to find which work the best.

1. Get music downloading/organizing program -- Real Player, Windows Media Player, iTunes  
(you can download them from real.com, windowsmediaplayer.com and itunes.com if needed)

### Play content provided by media program

2. Open music program
3. Click Radio link on the left or at the top
4. Click the kind of music/content you want
5. Click on of the available stations

OR

### Play content provided by content owner

2. Open Internet
3. Go to or search for programming  
(nbc.com, Google > radio station, etc)
4. Find link or instructions for streaming
5. Click Listen/Play link to get started. Your media player should open automatically

**Streaming tips and other notes:** Not all stations play clearly or consistently. You may need to try different stations from time to time. Radio stations found in iTunes seems to play very consistently. Content cannot be saved, but you can save a link to the content through your media player or through the web site you found the content.