

# MORE TECHNIQUES FOR MAKING A "WINDOWS.. COMPUTER EASIER TO USE

by Francis Chao  
fchao2@yahoo.com



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presentation:

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# SUMMARY

Here are more complex techniques for making "Windows.." easier to use including getting a monitor with a touch screen, removing bottlenecks from your home network, speeding up your Internet service, tweaking your computer to speed it up, and banishing your computer to the next room to get it's noise and physical "footprint" reduced

# TOPICS

- Get a Monitor With A Touch Screen
- Removing Bottlenecks From Your Home Network
- Speeding Up Your Internet Connection
- Speeding Up Your Computer
- Banishing Your Computer To The Next Room

**GET A MONITOR WITH A  
TOUCH SCREEN**

# GET A MONITOR WITH A TOUCH SCREEN

- If you get a monitor with a touch screen, it will speed up some of the things that you do with your computer:  
Tapping, double-tapping, and tap-and-drag is faster for most computer users, relative to using a mouse and a keyboard

# **GET A MONITOR WITH A TOUCH SCREEN (continued)**

- At the present time, most medium- and high-priced models have touch screens
- Ditto for all-in-one computers
- For stand-alone flat-screen monitors, ones with touch-screens that are larger than 24-in. diagonal in size are still very expensive

# REMOVE BOTTLENECKS IN YOU HOME NETWORK

- Your Internet service providers gives you with an certain specified download speed/upload "bandwidth" speed coming out of the modem device
- Most computer users get a fraction of this allotted speed by the time that their Internet signal arrives at their computer



# REMOVE BOTTLENECKS IN YOUR HOME NETWORK

- If a certain router, switch, or network adapter in your home network is bottlenecking the Internet download and upload speeds that your computer "sees", you can remedy the problem by replacing or bypassing the trouble-making network device

# REMOVE BOTTLENECKS IN YOU HOME NETWORK (continued)

- If you can resolve the bottlenecks on their home network, you will find that your computer is much easier to use because operating system updates finish up quicker and your Web browser does not "hang up" as much as your look at various Web sites out in cyberspace

# REMOVE BOTTLENECKS IN YOUR HOME NETWORK (continued)

- Knowledge is power!: To prevent the components of your local network (routers, switches, powerline links, etc.) from bottlenecking the Internet bandwidth that your Internet service provides you, measure the Internet bandwidth speeds and the local area network speeds at various locations in your local network

# REMOVE BOTTLENECKS IN YOUR HOME NETWORK (continued)

- Our detailed how-to instructions on measuring the and resolving network bottlenecks is described in [http://aztcs.org/meeting\\_notes/winhardsig/networks/bottlenecks/bottlenecks.pdf](http://aztcs.org/meeting_notes/winhardsig/networks/bottlenecks/bottlenecks.pdf)

# REMOVE BOTTLENECKS IN YOUR HOME NETWORK (continued)

- If you have a Wi-Fi wireless connection for your computer, you can work either speeding up your wireless connection

OR

you can convert to a wired "Gigabit Ethernet" connection for a guaranteed increase in Internet speeds relative to your wireless connection:

# REMOVE BOTTLENECKS IN YOUR HOME NETWORK (continued)

- To download and install the free "NetSpot for Windows" Wi-Fi analysis program for a "Windows.." computer, use a Web browser to go to <http://www.netspotapp.com/netspot-windows.html>

# REMOVE BOTTLENECKS IN YOU HOME NETWORK (continued)

- To download and install the free "Acrylic WiFi Home" analysis program for a "Windows.." computer, use a Web browser to go to <https://www.acrylicwifi.com/en/wlan-software/>

# REMOVE BOTTLENECKS IN YOU HOME NETWORK (continued)

- To get a more complete picture of your Wi-Fi environment in a "Windows.." computer, you can use both the free "Acrylic WiFi Home" program AND the free "Netspot" program. However, do not use both programs at the same time.



# REMOVE BOTTLENECKS IN YOUR HOME NETWORK (continued)

- For our extensive advice on using the two free analysis programs to speed up your computer's Internet upload and download speeds, see [http://aztcs.org/meeting\\_notes/winhardsig/networks/Wi-Fi/Wi-Fi-advice.pdf](http://aztcs.org/meeting_notes/winhardsig/networks/Wi-Fi/Wi-Fi-advice.pdf)

# REMOVE BOTTLENECKS IN YOUR HOME NETWORK (continued)

- Many computers come with slow "Gigabit Ethernet" adapters that are integral to their motherboards
- Many models of HP desktop computers have very slow "Gigabit Ethernet" adapters

# REMOVE BOTTLENECKS IN YOUR HOME NETWORK (continued)

- For computers that arrive with slow "Gigabit Ethernet" adapters, you can install a USB 3.1-to-Gigabit Ethernet adapter to massive speed up the Internet download and uploads speeds, in order to get a computer than "hangs up" less while you are using it

# REMOVE BOTTLENECKS IN YOUR HOME NETWORK (continued)

- For computers that arrive with slow "Gigabit Ethernet" adapters, you can install a USB 3.1-to-Gigabit Ethernet adapter to massive speed up the Internet download and uploads speeds, in order to get a computer than "hangs up" less while you are using it

# REMOVE BOTTLENECKS IN YOUR HOME NETWORK (continued)

- We have been able to massively speed up the Internet download and upload speeds for some models of Hewlett Packard desktop computers and for many low-end "netbook" computers by installing the following USB 3.0-to-Gigabit Ethernet adapter:

## Cable Matters SuperSpeed USB 3.0 to RJ45 Gigabit Ethernet Network Adapter in White

by [Cable Matters](#)

★★★★★ ▾ [1,964 customer reviews](#) | [318 answered questions](#)

Price: **\$16.99** & **FREE Shipping** on orders over \$49. [Details](#)

**In Stock.**

Want it tomorrow, July 29? Order within **9 hrs 37 mins** and choose **One-Day Shipping** at checkout.

Sold by [Cable Matters](#) and [Fulfilled by Amazon](#).

Size: **USB 3.0**

USB 2.0

USB 2.0 (2 Pack)

USB 3.0

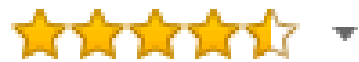
Color: **White**





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Color: **White**



# REMOVE BOTTLENECKS IN YOU HOME NETWORK (continued)

- This "Cable Matters" USB 3.0-to-Gigabit Ethernet adapter has performed well for us. It is available at a price that is lower than similar products from other manufacturers

# REMOVE BOTTLENECKS IN YOU HOME NETWORK (continued)

- After installing a USB 3.0-to-Gigabit Ethernet adapter by bypass a slow motherboard-based Gigabit Ethernet adapter, you can get into the UEFI or BIOS screens of a computer to disable the motherboard-based Gigabit Ethernet adapter in order to remove it's RAM usage footprint

# SPEED UP YOUR INTERNET CONNECTION

- If you have removed all of the bottlenecks and your computer is getting the full Internet download and upload speeds that your Internet service is providing, and your Internet connection is still slower than you like, you usually can upgrade your Internet service by paying more per-month to your Internet provider

# **SPEED UP YOUR INTERNET CONNECTION (continued)**

- Take the claims of Internet providers with a grain of salt:  
Despite the claims of some satellite-based and phone company-based Internet service offerings, the cable companies still have the fastest Internet service options.  
Read the fine print before ordering any Internet service.

# SPEED UP YOUR COMPUTER

- If you tweak the settings in your computer to speed up your computer, you will find that your computer is then easier to use
- Here are some rigorous, logically-ordered procedures for speeding up any "Windows.." computer:

# SPEED UP YOUR COMPUTER (continued)

- To speed up a "Windows XP" computer, go to

[http://aztcs.org/meeting\\_notes/winhardsig/speedupWindows/xp\\_speedup.pdf](http://aztcs.org/meeting_notes/winhardsig/speedupWindows/xp_speedup.pdf)

- To speed up a "Windows Vista" computer, go to

[http://aztcs.org/meeting\\_notes/winhardsig/speedupWindows/vistaspeedup.pdf](http://aztcs.org/meeting_notes/winhardsig/speedupWindows/vistaspeedup.pdf)

# SPEED UP YOUR COMPUTER (continued)

- To speed up a "Windows 7" computer, go to

[http://aztcs.org/meeting\\_notes/winhardsig/speedupWindows/win7speedup.pdf](http://aztcs.org/meeting_notes/winhardsig/speedupWindows/win7speedup.pdf)

- To speed up a "Windows 8.1" computer, go to

[http://aztcs.org/meeting\\_notes/winhardsig/speedupWindows/win8speedup.pdf](http://aztcs.org/meeting_notes/winhardsig/speedupWindows/win8speedup.pdf)

# SPEED UP YOUR COMPUTER (continued)

- To speed up a "Windows 10" computer, go to

[http://aztcs.org/meeting\\_notes/winhardsig/speedupWindows/win10speedup.pdf](http://aztcs.org/meeting_notes/winhardsig/speedupWindows/win10speedup.pdf)



# **BANISH YOUR COMPUTER TO THE NEXT ROOM**

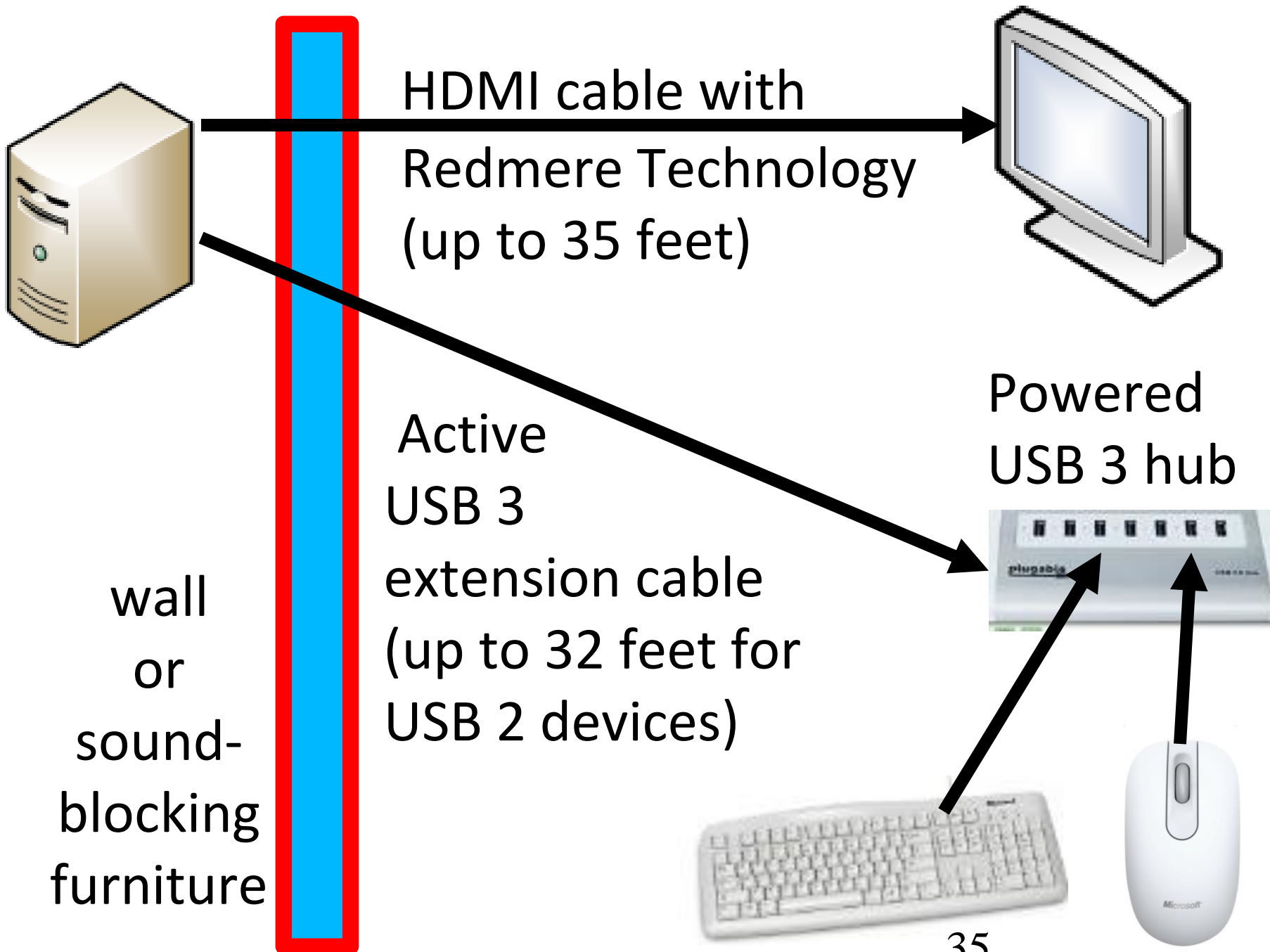
- Get the fan noise that your computer makes by banishing your computer to the next room:

Leave your monitor, keyboard, and mouse where it currently is located.

Then use active extension cables of various types to move your computer to the next room.

# **BANISH YOUR COMPUTER TO THE NEXT ROOM (continued)**

- You can use active cable extensions to move your computer farther away from your monitor, keyboard, and mouse farther away from where you sit, as far as to the next room:



# BANISH YOUR COMPUTER TO THE NEXT ROOM (continued)

- For our advice on using cable extensions to move your computer farther away from your monitor, keyboard, and mouse, see [http://aztcs.org/meeting\\_notes/winhardsig/Redmere/redmere-etc.pdf](http://aztcs.org/meeting_notes/winhardsig/Redmere/redmere-etc.pdf)