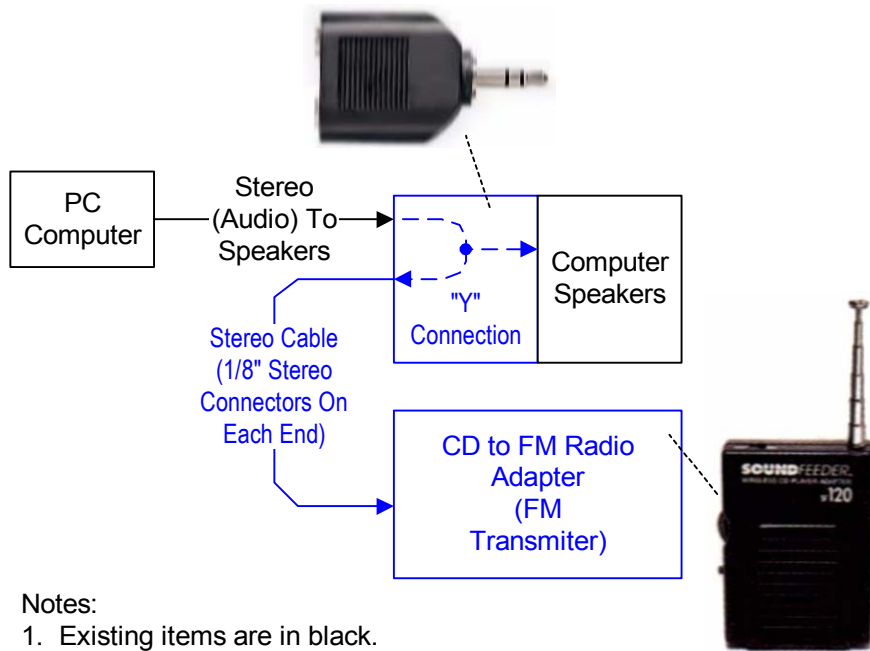


## WWHP'n Around The House

I am a WWHP internet listener. There have been many times when I wanted to listen to the WWHP but was unable to because I didn't have a computer in the basement or the garage. There is a simple solution to this problem using a CD to FM radio adapter. This allows you to listen to the WWHP on any FM radio in the house.

Figure 1 below shows the connections and pictures of the CD to FM radio adapter and the Y connector; Table 1 contains the parts list. The components are readily available from stores like Best Buy, Circuit City, or Radio Shack.



**Notes:**

1. Existing items are in black.
2. New items are in blue.
3. Nothing is shown to scale.

**Figure 1: Component Hook Up**

<b>Table 1: Parts List</b>		
<b>Quantity</b>	<b>Items</b>	<b>Comments</b>
1	Y Adapter, , 1/8" stereo connectors	
1	Cable, 1/8" stereo connectors on each end	Length as required.
1	CD to FM Radio Adapter	(FM Transmitter)
1	Battery	(Type depends on CD to FM radio adapter)

## Instructions:

**Step 1:** Hook up components as shown in Figure 1. Make sure to put the battery in the CD to FM radio adapter.

**Step 2:** Turn on the computer and start playing the WWHP.

**Step 3:** Get a FM radio and locate a spot on the dial where there are no FM stations.

**Step 4:** Adjust the frequency of the CD to FM Radio Adapter so that the FM radio receives the WWHP.

Finally, enjoy listening to the WWHP.

## Notes:

- **Cost:** About \$30 (\$20 for the CD Adapter; \$10 for the Y Adapter and cable.)
- **Modifications:** Your instillation may be slightly different. For example, I was able to put the adapter at the end of my computer speaker. For example, you may have to locate your Y adapter on your computer.
- **Difficult Steps:** The most difficult step is Step 5 (locating a “quiet” spot on the dial). I had to do a couple of iterations of selecting a quiet frequency on the FM radio, and tuning the frequency of the CD adapter.
- **Adjustments:** I also had to adjust the antenna position and location.
- **Volume Level:** On my system, the system works best when a low volume level. Your system may be different.
- **Distance Limitations:** This solution works for small houses – the FCC limits the power of the transmitter so the receive range is limited.
- **Set Up Time:** It took me about ten minutes once I had all of the supplies and a FM radio.
- **Fidelity:** This is not a high fidelity system but it is functional. The quality of audio card does make a difference. I have used this system with an internal audio card and a Sound Blaster card; the Sound Blaster sounds much better.

## Picture Sources:

- **Y Adapter:** Picture from <http://www.Radioshack.com>, downloaded 11 May 03.
- **CD Adapter:** Picture from <http://home.att.net/~g.tineo/wsb/html/view.cgi-photo.html--SiteID-402350.html>, downloaded 11 May 03.



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