

# How to hook a hearing loop to a TV

Note the Univox DLS-50 is shown but all information applies to the WilliamsSound TV Talker or any proprietary hearing aid TV streamers.

There are several ways you can hook a Univox DLS-50 to your TV.

## 1. Direct to TV

The simplest way is to hook your Univox DLS-50 directly to the audio output jacks on the back of your TV. This is the ideal way to do it **if** your TV has audio outs that are fixed (independent of the volume control). You can quickly test this. If your TV has fixed (independent) audio outs, then muting your speakers doesn't affect the volume on the audio outs (and your loop system). If your TV has fixed (independent) audio outs, just plug the red and white patch cord plugs into the right and left audio outs on the back of your TV. Make sure you are plugging into the **outputs** (the left two jacks shown in the example), not the inputs (the 6 jacks shown on the right in this example). Your TV may be different.



Plug the other end of the patch cord into the "Line" or "Mic/Line" jack on the back of the Univox DLS-50. (They are the same internally although they are labeled differently, so it doesn't matter which one you use.) Note: Don't connect **audio/line outs** to the "Mic" jack, only mic outs, or you risk blowing your Univox DLS-50.

If your TV does not have fixed (independent) audio outs, you may not be able to adjust the volume on the TV to a comfortable listening level for a person with normal hearing **and** still have enough power to drive the loop amplifier, nor will you be able to mute the sound from the speakers without cutting all sound to the loop at the same time.

In order to get around this problem, see below.



## 2. Via Your VCR or Cable Box

If your TV has variable (dependent) audio outputs, you can plug the Univox DLS-50 into the audio outs of your VCR or cable box and the other end into the Univox DLS-50 (as above). Now, with your VCR and TV on, you can set the volume of your TV to a comfortable level or mute it if you want and this will not affect the sound in your loop at all.

### 3. Via the Stereo

If you don't have a VCR, and if you run your TV sound through your stereo system, you can hook up your Univox DLS-50 to the audio outs of your stereo and hear through the loop this way.

### 4. If the TV Has No Audio Output Jacks

If your TV doesn't have any audio output jacks, all is not lost. You still have one or two options available to you.

If your TV has a headphone jack, you can plug a stereo patch-cord (Radio Shack #42-2387; \$14.99) into it and into the Univox DLS-50. This will cut out the sound to the speakers though, so no one else can listen at the same time. Turn the volume on the TV up so there is adequate signal for the Univox DLS-50.

The other option is to purchase a microphone and plug it into the Univox DLS-50 jack marked MIC, then place the microphone near the TV speakers to pick up the sound from them. (You can also use this microphone to hear a person speaking to you if the person clips it close to his mouth.)

### For TVs with Digital Output: you will need to convert the digital audio to analog audio using an D to A adaptor

This also applies when your clients want to their streamer with a TV transmitter

#### Option #1

You can purchase a Gefen Digital to Analog 5.1 Converter (\$59 from Amazon.com, including an optical cable which is needed) and use with the Digital audio out. There is a very small plastic cap on the optical connector/cable that must be removed.



#### Option #2

]Plug into the TV speaker output and bring the TV volume up to a good level (this will cut off the speaker from being heard in the room, however).

#### Option #3

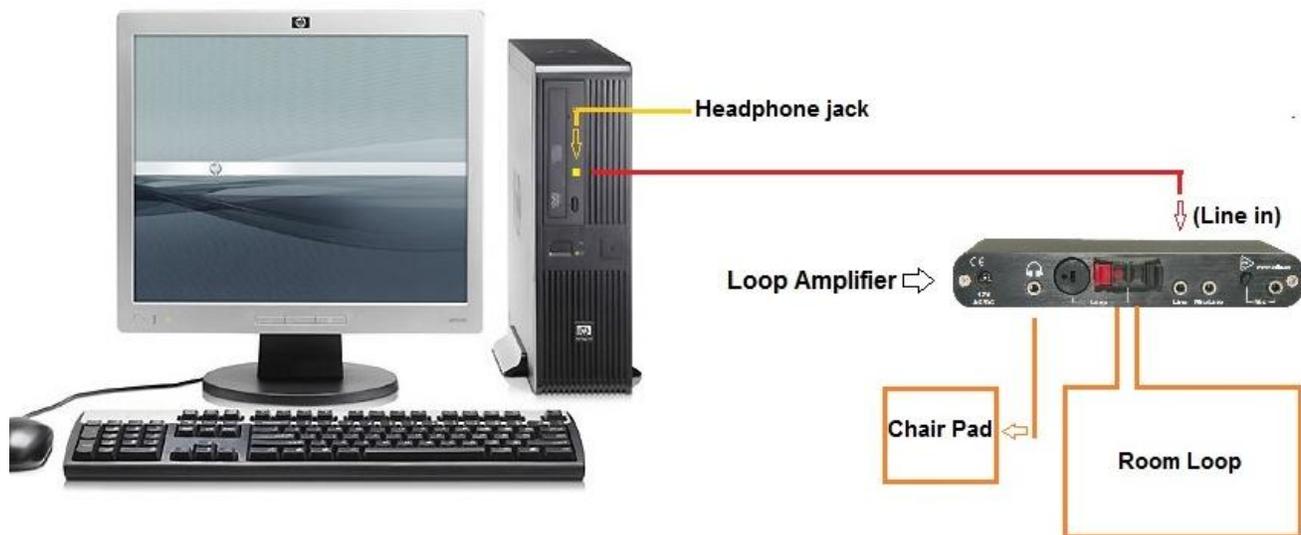
Purchase the round, flat mic with Velcro from [www.hearinglosshelp.com](http://www.hearinglosshelp.com) (\$29) and attach it on one of the TV speaker covers (the sound from the speakers will still go into the room and, at the same time, be fed into the DLS-50).

## Optional – Add a wireless FM system to the UniVox home loop system

Use an Audio-Technica wireless microphone system such as the ATW-801/L VHF. This wireless system includes an Omni Lavalier Microphone (\$125-\$150) The Audio-Technica wireless mic is an affordable omni-directional mic system for in-home use. It easily plugs into the auxiliary input on the UniVox DLS 50.



## Optional – Connecting a Loop to a Computer



### Note:

You can use the headphone jack on a computer, but as a rule of thumb, this will shut off the sound to the computer speakers and the listener on the looped chair will hear sound from the computer only.