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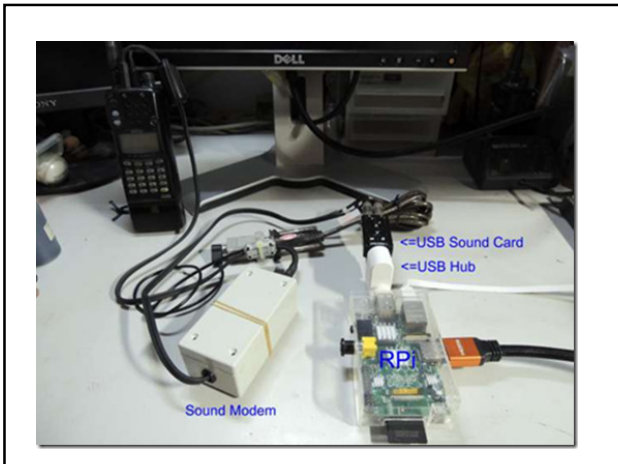
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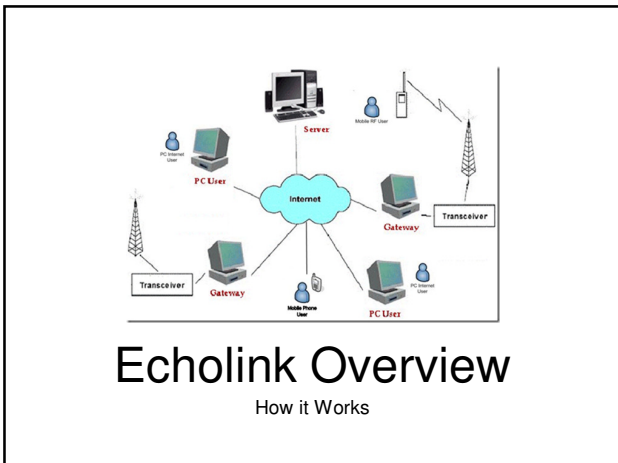
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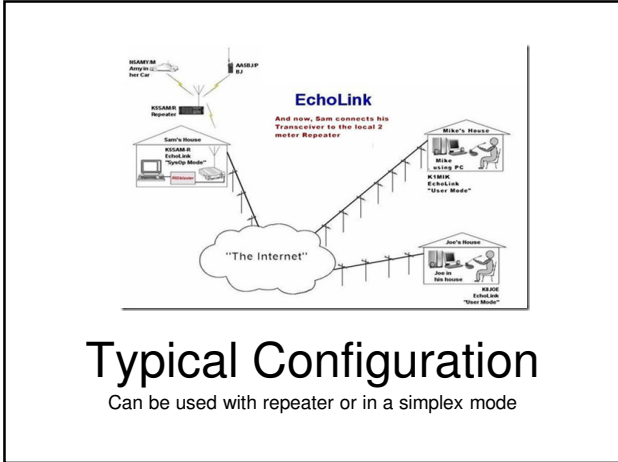
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**SvxLink is very extensible and modular**

Voice services are implemented as modules which are isolated from each other. Modules can be implemented in either C++ or TCL. Examples of modules are:

- Help -- A help system
- Parrot -- Play back everything that is received
- EchoLink -- Connect to other EchoLink stations
- DtmfRepeater -- Repeater received DTMF digits
- TclVoiceMail -- Send voice mail to other local users
- PropagationMonitor -- Announce propagation warnings from dxmaps.com
- SelCall -- Send selective calling sequences by entering DTMF codes

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**Applications**

- Local "Close In" Repeater for Events
- Parrot Repeater for Balloon Launches
- Echolink Radio "Hot Spot" for Personal Use

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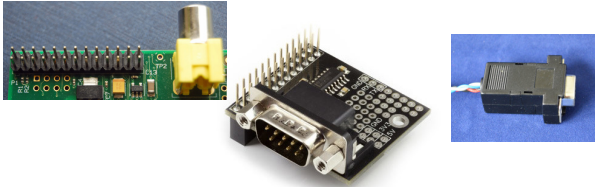
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# Multiple Installation Strategies

USB to RS-232 with audio interface  
GPIO (Build Your Own or Commercially Available) with Power Supply  
Customized RS-232



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# Installation Today KISS

Avoiding the GPIO and Custom Interfaces  
This installation will work on any computer  
All Components Easily Sourced Locally (Tanners has it all!)

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# Hardware Requirements RPi

Use Known Hardware

- Use a USB Powered Hub (Any Kind)
- USB to RS-232 (with data cable)
- Build a Simple Interface (MSU Interface)
- All components available at Tanners Electronics

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YES!                      NO!



**USB to RS-232**  
Available at Tanners

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**USB Sound Card**  
If it can be seen in Linux and the program Alsamixer it will most likely work!

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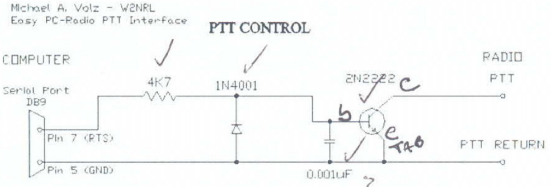
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**Simple PTT Control**  
Attached to RS-232 with Powered Hub

Michael A. Volz - W2NRL  
Easy PC-Radio PTT Interface



**2N2222 and 1N4001 Widely Available**

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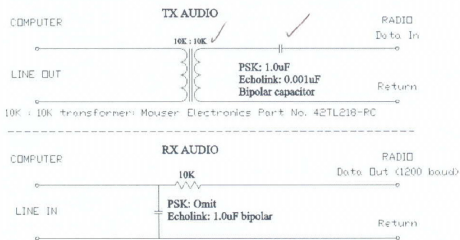
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### Very Simple Audio Interface Add Audio Interface Cabling As Needed




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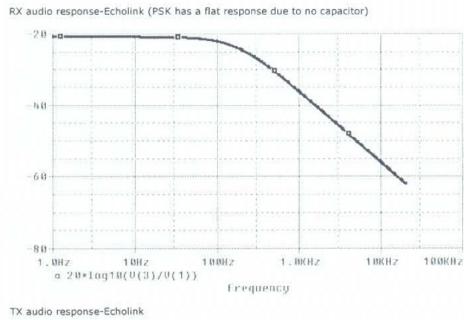
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### Resulting Audio Curve with Optional Capacitor




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## Svxlink Resource Pages

- [svxlink.net](http://svxlink.net)
- [svxlink.org](http://svxlink.org)
- <http://www.vr2xkp.org/2013/03/13/life-rpi-svxlink-echolink-node-rpi/>

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## Optional

- We can build from the GUI (cut and paste is easier than typing).
- "startx"
- Command Line - "ctl-t" or Terminal Mode
- We will be building version "SVXLINK11.11" (Newer versions require "cmake" which doesn't seem to work for me)
- <http://www.vr2xkp.org/2013/03/13/life-rpi-svxlink-echolink-node-rpi/>

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We will be using VR2XKP's Detailed "Step by Step" Instructions.

- <http://www.vr2xkp.org/2013/03/13/life-rpi-svxlink-echolink->

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