















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

Applications

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

Multiple Installation Strategies Use RS-232 with audio interface Bro Bcs-232 with audio interface Costonized RS-232

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!)

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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LINE IN	Echolink: 1.0uF bipolar	Return































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RPi Should Come to Command Line Log In



Housekeeping

- Let's Update Our OS
- sudo apt-get update && sudo apt-get upgrade

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

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

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