

This list is far from complete. I only offer it to help you learn more about  
***Software Defined Radio***  
and some of its most notable applications in ham radio

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### [What is Software Defined Radio?](#)

[FlexRadio Systems](#) delivers the only truly open source *Software Defined Radio* transceivers for Amateur Radio use.

[GNU Radio](#) is a free software toolkit for building software radios under Linux or other UNIX-like O/Ss. Their list of projects runs from amateur radio transceivers, radio astronomy, software GPS, etc. Fascinating.

[High Performance Software Defined Radio - HPSDR](#) is an open source (GNU type) hardware and software project intended as a "next generation" Software Defined Radio (SDR) for use by Radio Amateurs ("hams") and Short Wave Listeners (SWLs).

[Linrad](#) is a computer program that can be run under Linux as well as under Microsoft Windows and Free BSD on a PC compatible computer. Linrad can operate with any soundcard for which the operating system on the PC has drive routines. A conventional radio receiver or a direct conversion radio is then used to bring some part of the RF spectrum to audio frequencies.

The [USRP2](#) builds on the success of the original USRP, and adds new features. The [trac:USRP *Universal Software Radio Peripheral* (USRP)] is a general purpose motherboard which hosts a wide range of daughterboards which can be used with the signal processing blocks found in the GNU Radio software package to give access to the radio frequency spectrum.

The [RT-8100](#), by Sunair Electronics, LLC, is a very high performance Software Defined Radio transceiver. It controls all I/O data and hardware over a single FireWire® (IEEE-1394) connection to an internal computer. High end stuff!