

## A Simple Sdr Receiver

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### A Simple Sdr Receiver

A Simple SDR Receiver. Michael Hightower, KF6J 13620 White Rock Station Road Poway, CA 92064 858-592-0555 mike@simplecircuits.com. Abstract: This article discusses the design and operation of an HF radio receiver operating in the 3.5 to 18 MHz range. The receiver architecture is based on software defined radio techniques and incorporates a Cypress PSoC CY8C3866 component that contains both analog and digital circuits, thus decreasing the receiver's component count.

### A Simple SDR Receiver - TAPR

Simple SDR Receiver This article describes the design and the theory of operation of an HF radio receiver operating in the 3.5 to 18 MHz range. The receiver architecture is based on software defined radio techniques and incorporates a Cypress PSoC CY8C3866 device that contains both analog and digital circuits, thus decreasing the receiver's component count.

### Simple SDR Receiver - Looking for some hardware to learn ...

I've just learned about a new SDR receiver in development by the Polish company Silphase. It's called the Silphase R1 and appears to be a stand-alone, high-performance SDR receiver. What could set this receiver apart from the rest is the: Color backlit 5" TFT touch screen display; Magnesium alloy body/chassis

### The new Silphase R1 SDR receiver | The SWling Post

Introduction: This document describes the installation, how to operate, and theory of operation of the Simple Circuits Inc. Simple SDR HF radio receiver operating in the 3.5 to 18 MHz range.

### Simple Circuits Inc. SIMPLE SDR RECEIVER

This dual band SDR features an ADS-B receiver with AHRS and a fan controller. It comes with a 6000mAh battery, a solid suction mounter, SD card adapter and a strap. This SDR supports ForeFlight Synthetic Vision along with numerous other EFB's. The high gain dmurray antennas are ideal for 978MHz and 1090MHz frequencies.

### Best SDR Receiver [2020] - Ready Zeal

The project is a Simple SDR (software defined radio), which was published in the WIA's magazine "Amateur Radio", volume 79, issues 9 & 10 2011. Titled "The Simple SDR: a basic software defined radio anyone can build" by Peter Parker VK3YE.

### VK5TM Simple SDR

The small SDR hardware pictured above is an entry-level unit. When paired with free SDR software (running on a PC), it can serve as a beginner's ham radio receiver or as a standby receiver for an amateur radio station.

### The Ham Radio Receiver Of Tomorrow Is Here

This is an RTL-SDR software defined radio receiver with RTL2832U ADC chip, 1PPM TCXO, SMA F connector, R820T2 tuner and aluminium case with passive cooling. Tunes from 500 kHz to 1.7 GHz with up to 3.2 MHz (2.4 MHz stable) of instantaneous bandwidth. (HF mode works in direct sampling mode - V3 models and above only).

### 10 Popular Software Defined Radios (SDRs) of 2020

In this page I will briefly describe the design of a simple but decent HF Software Defined Receiver, SDR. I am not going to invent anything, it is intended only as an own educational project to learn how things work and get in touch with SDR. SDR receivers of this kind are superceeded by modern RF direct sampling techniques, but they can offer ...

### SDR HF receiver design

Software-defined radio (SDR) is a radio communication system where components that have been typically implemented in hardware (e.g. mixers, filters, amplifiers, modulators/demodulators, detectors, etc.) are instead implemented by means of software on a personal computer or embedded system. From Wikipedia, the free encyclopedia

### Software Defined Radio

GitHub - IgrikXD/Easy-SDR: Creating affordable, easy-to-manufacture prototypes of PCBs to working and expand the capabilities of existing low-cost SDR receivers based on RTL2832U chip.

### GitHub - IgrikXD/Easy-SDR: This project is about creation ...

GQRX is a free simple to use SDR receiver which runs on Linux and Mac systems. It is similar to SDR# in terms of features and simplicity of use, but does not have plugins. GQRX comes with a standard FFT spectrum and waterfall display and a number of common filter settings.

### The BIG List of RTL-SDR Supported Software

The Simple Circuits "Simple SDR Receiver" is a software designed radio receiver covering 3.5 to 18 MHz and built around a Cypress PSoC3 device. A paper describing the design was presented at the Tucson Amateur Packet Radio annual Digital Communications Conference held in September 2010. The paper is available on the TAPR website.

### Simple Radios

Thanks to Thomas' SWling Blog for bringing to attention the Silphase R1 SDR receiver. This is an upcoming high performance HF SDR receiver being manufactured in the EU by a Polish company called Silphase. The R1 appears to be targeting premium SWLer customers with a price of US\$1199. However, they note that by the end of 2020 they will have a 25W transceiver option, and later a 100W ...

### The Silphase R1 SDR Receiver

HackRF One is a Software Defined Radio (SDR) peripheral capable of transmission or reception of radio signals from 1 MHz to 6 GHz, designed to enable test and development of modern and next-generation radio technologies. HackRF One covers many licensed and unlicensed ham radio bands.

### What is SDR and what can you do with SDR? - Latest open ...

Figure 6 — The Simple SDR receiver board will fit inside a Hammond Manufacturing model 1455B802 enclosure if a chassis-mount BNC connector is used instead of the on-board connector, a 3 kHz corner frequency. It is important to reduce the frequencies above half of the ana-log to digital converter sampling rate, which is called the Nyquist frequency.

### Michael Hightower, KF6J

ILS - RTL SDR Receiver V3 Pro with Chipset rtl2832 rtl2832u r820t2 for Ham Radio SDR RTL for 500 Khz-2 GHz UHF VHF HF AM FM 5.0 out of 5 stars 2 \$30.39 \$ 30 . 39

### Amazon.com: sdr receiver

About Arduino as an SDR The resource is currently listed in dxzone.com in a single category. The main category is Ham Radio - Arduino Projects that is about Arduino Projects for Ham Radio Applications. This link is listed in our web site directory since Monday Feb 24 2014, and till today "Arduino as an SDR" has been followed for a total of 18398 times.