

# Online SDR Receivers

BCRO 13 August 2024

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# Agenda

- › What is an sdr receiver
- › What is an online sdr receiver
- › Why use on online sdr receiver
- › Different flavors of online sdr receivers
- › Demonstration
- › OBS Studio for multiple simultaneous SDR Monitoring
- › Questions

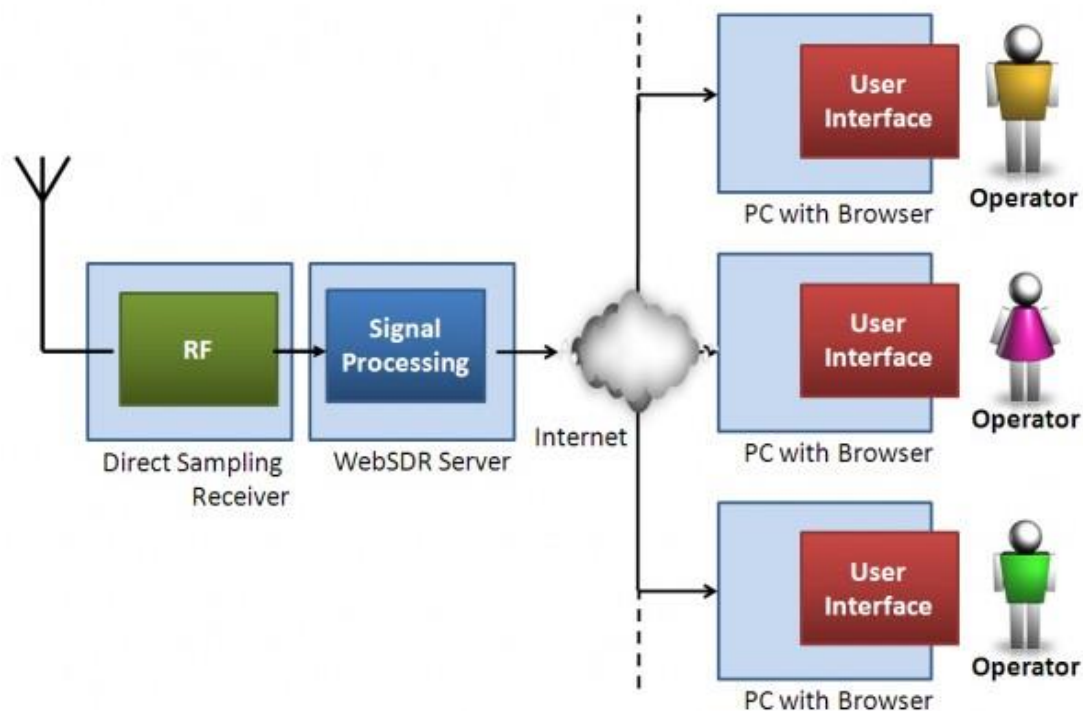
# What is a sdr receiver?

Software-Defined Radio (SDR) is a radio communication system where components that conventionally have been implemented in analog hardware (e.g. mixers, filters, amplifiers, modulators/demodulators, detectors) are instead implemented by means of software on a computer or embedded system. -

Wikipedia

# What is an online SDR receiver?

SDR receivers connected to the internet so that multiple users can listen and independently tune to any signals present in the bandwidth of the system.



# Why use an online sdr receiver?

- Listen to radio signals all around the world even when propagation is poor
- Listen to hear your own signal at a distant receiver
- Doing A/B testing of antennas and transmitters
- Help to hear everyone on a net or roundtable
- Overcome local RFI issues
- Check HF propagation

# Different flavors of online sdr receiver?

- OpenWebRX
  - ❖ Supports 15-20 Users
  - ❖ Open Source
  - ❖ No longer in development
  - ❖ Not many sites in US
- WebSDR
  - ❖ Supports 100 Users
  - ❖ Only works on certain amateur bands per site
  - ❖ Not many sites in US
- KiwiSDR
  - ❖ Supports 4 or 8 Users
  - ❖ Full HF coverage 1-30MHz
  - ❖ Many sites in US (221 and 900 worldwide)

# Demonstration

- OpenWebRX <https://www.openwebrx.de/>
- WebSDR <http://websdr.org/>
- KiwiSDR <https://ve3sun.com/KiwiSDR/#>
- Receiverbook <https://www.receiverbook.de/>
- Map of SDR Receivers <https://rx-tx.info/map-sdr-points>

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# Questions