The **CIAOradio H101** is a portable 0.1–30 MHz Radio Receiver and Test Set

When connected and powered through a USB interface to a PC or a Laptop, it receives and demodulates signals of any kind: DRM, AM, FM, SSB, CW, PSK, RTTY, SSTV

The CIAOradio H101, supplied with the CIAOradio software, integrates in a broadcast all-mode receiver many other interesting features typical of advanced instruments:

- Real time spectrum displays before and after demodulation with high dynamic and precision
- Digital filtering (brick wall pass band and multiple notch) of the demodulated signal with an easy and intuitive interface
- Digital records of the panoramic spectrum of the RF signals (up to 48 kHz wide) with high dynamic and accuracy for survey and post (off-line) demodulating purposes
- Records and statistics of the amplitude of the signals coming from two different antennas, for propagation and antenna diversity studies
- Comparison between two different antennas for gain and pattern measurements
- Thousands of memories for receiver parameter settings
- Generate CW signals with internal DDS (eventually with external reference for high accuracy)

Interfaces

- USB
- Antenna 1 and Antenna 2
- Aux. Audio analog IF Out (0-24 KHz)
- DDS OUT (200 mVpp)
- REF IN - external reference clock input (optional, 30MHz /1Vpp)
- Aux. 8V-12V DC input

Specifications

- Dimensions: 12 x 12 x 3.5 cm
- Weight: 200 g
- Operating temperature:10-40 °C
- Requires a PC with Windows operating system: XP/2000/98

Compatibility with other software

- DRM, DREAM, WinPSK, Digipan, MMTTY, MMSSTV, SPECTRUM LAB
- Essentially works with all software application designed to be used with an Audio Card
- DRM decoding requires DRM or DREAM software

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