

## WR-G305e

### Overview

The WiNRADiO WR-G305e is a software-defined PC-based wideband receiver (9 kHz to 1800 MHz, expandable to 3500 MHz with an optional [downconverter](#)). It represents an external version of the [WR-G305j](#) receiver, with equivalent performance.

The PC-based receiver is USB-controlled and compatible with modern desktop and laptop computers with USB interface. An optional serial interface is also available.



The **WiNRADiO G305e**: A truly ground-breaking scanner that will surely amaze you.

### Features

- Frequency range from 9 kHz to 1800 MHz (*except cellular bands where required by law*)
- Software-defined demodulation
- Extraordinary sensitivity
- Tracking front-end filters
- Excellent strong signal handling
- Real-time spectrum analyzer
- Spot-on tuning in 1Hz steps
- Accurate signal strength indicator
- Fast scanning speed
- Multiple squelch modes
- Very low phase noise
- DRM [decoder option](#)
- APCO P25 [decoder option](#)
- 3.5 GHz [downconverter option](#)
- USB interface ([serial optional](#))
- Plug and Play installation

With the [Professional Demodulator Option](#), the many additional features include:

- Continuously variable IF bandwidth 100 Hz - 15 kHz
- User adjustable filter selectivity
- WiNRADiO [Digital Bridge™](#) compatibility
- Built-in test and measurement instrumentation
- Interactive block diagrams

# G3

The **WR-G305e** is another member of our award-winning family of **G3** software defined receivers.

A Software Defined Radio (SDR) is such where demodulation and the last IF (intermediate frequency) processing are done entirely in software. Usually this means using a DSP, but in the case of the G305e, this processing is done on a PC. Most modern PCs are now faster and more powerful than many DSPs were only a few years ago. So, if you own a PC, the chances are that you already own an important part of a software defined radio receiver!

In addition to the flexible and friendly [user interface](#), with its numerous functions and facilities not normally available on conventional receivers, the **WiNRADiO G305e** receiver excels particularly by the ability of its [demodulators](#): While the **Standard Demodulator** provides performance of a highly respectable general-coverage scanner, including a real-time spectrum scope, synchronous AM demodulation and other features, the optional **Professional Demodulator** offers even more: continuous IF filter bandwidth adjustment (in 1 Hz increments), interactive block diagrams with two additional audio spectrum scopes, and even built-in signal measurement facilities.

An optional [DRM decoder/demodulator](#) is also available.



### What's included?

The standard WR-G305e package includes:

- WR-G305e receiver
- Application software
- Comprehensive user's manual
- Low-noise linear power supply
- Start-up antenna
- USB cable
- BNC-to-SMA adapter

**No lengthy and frustrating installation needed: Run the installation program, plug the receiver in and experience scanning the bands as you never did before!**

**System requirements:**

- PC with 500 MHz Pentium CPU or faster
- One free USB socket
- Windows XP/Vista/7
- Standard sound card