

ALDEN



Weather Systems

WR-G33EM

WINRADIO

MARINE RECEIVER



The standard WR-G33EM package includes:

- › WR-G33EM receiver
- › Application software
- › Comprehensive user's manual
- › Start-up test antenna
- › BNC-to-SMA adapter
- › USB interface cable
- › Low-noise AC/DC linear power supply
- › Fused fly lead for alternative DC power

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WR-G33EM Marine Receiver

The WiNRADiO WR-G33EM is a high-performance receiver specially developed for marine applications. It covers the HF frequency range to 30 MHz, and contains a number of decoding facilities including HF Fax, NAVTEX, DSC and TELEX, as well as classical AM, SSB and CW radio modes.

A GPS option is also available which integrates the receiver with a high-resolution global mapping facility.



This high-performance marine receiver is extremely sensitive and optimized to work with relatively short antennas, typically found in a marine environment, yet

featuring a respectable dynamic range making the receiver resistant to strong signal overload.

The receiver comes in a small enclosure which connects to an IBM-compatible PC (desktop or laptop) via the supplied USB cable. An external antenna connects to the receiver.

- Frequency range 9kHz to 30MHz
- AM, LSB, USB, DSB, CW conventional modes
- DSC, HF Fax, NAVTEX, TELEX marine modes
- High sensitivity
- Excellent dynamic range
- Real-time spectrum analyzer
- Spot-on tuning in 1Hz steps
- Continuously variable bandwidth
- Automatic scheduling, recording and playback
- GPS option

The WiNRADiO G33EM: A ground-breaking marine receiver that will surely amaze you.



WR-G33EM Marine Receiver -Technical Specs

| | | | | |
|-----------------------------|---|-------------|-------------|-------------|
| Receiver type | DDS-based dual-conversion superheterodyne with software-defined last IF stage and demodulator | | | |
| Frequency range | 9 kHz - 30 MHz | | | |
| Tuning resolution | 1 Hz | | | |
| Mode | AM, LSB, USB, DSB, CW DSC, NAVTEX, HF FAX, TELEX | | | |
| Spurious-free Dynamic Range | 93 dB | | | |
| Image Rejection | 60 dB | | | |
| RSSI accuracy | 5 dB | | | |
| RSSI sensitivity | 1 μ V | | | |
| Selectivity | Continuously adjustable 100-15000 Hz | | | |
| Sensitivity (10dB S+N/N) | Mode | 0.1-0.5 MHz | 0.5-2.0 MHz | 2.0-30 MHz |
| | AM* | 2.0 μ V | 0.5 μ V | 0.4 μ V |
| | LSB, USB | 0.7 μ V | 0.3 μ V | 0.2 μ V |
| | CW | 0.3 μ V | 0.2 μ V | 0.1 μ V |
| * 80% modulation | | | | |
| Intermediate frequencies | IF1: 45 MHz IF2: 12 kHz | | | |
| Frequency stability | 10 ppm (0 to 60° C) | | | |
| Antenna input | 50 ohm (SMA connector) | | | |
| Output | USB (1.0 and 2.0 compatible) | | | |
| Power | 6 W (0.5 A @ 12V DC) | | | |
| | Low-noise AC/DC linear power adapter supplied Fused lead for direct 12 V DC connection also supplied | | | |
| Dimensions | Length: 164 mm (6.46") | | | |
| | Width: 96 mm (3.78") | | | |
| | Height: 41 mm (1.61") | | | |
| Weight | 467 g (16.40 oz) | | | |

Specifications subject to change without notice due to continuous product development & improvement.

System requirements:

- PC with 500 MHz Pentium CPU or faster
- One free USB socket
- Windows XP, Vista, Windows 7 or 8

What's Included?

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