

A ground-breaking marine receiver
that will surely amaze you.

Marine Receiver 'G33EM'



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.

Features

- 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 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.

• Classical Modes



The G33EM receiver offers classical AM, LSB, USB, DSB and CW modes. The advanced control panel makes it possible to tune frequency in many different ways; using the tuning knob which can be turned using the mouse in both directions, or by using up/down arrow buttons, or simply by typing in the frequency.

• DSC Mode



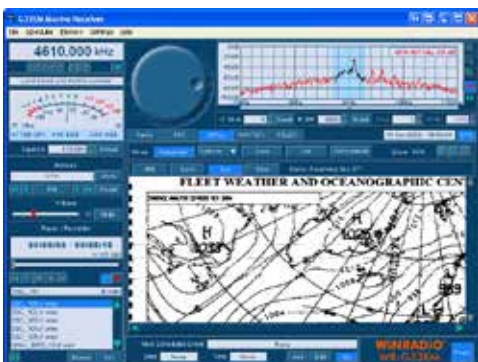
The DSC facility (Digital Selective Calling) of the G33EM receiver makes it possible to receive and record marine safety messages which are being transmitted on the marine distress frequency channels. The incoming messages are displayed and archived. They can be also printed, either automatically or on demand.

• NAVTEX Mode



The NAVTEX facility of the G33EM receiver makes it possible to receive and record maritime safety information which is being transmitted on marine NAVTEX frequency channels. The incoming messages can be filtered according to type and NAVTEX area, displayed and archived. They can be also printed, either automatically or on demand.

• HF Fax Mode



The HF Fax facility of the G33EM receiver makes it possible to receive and record weather fax images which are being transmitted on marine HF Fax frequency channels. The receiver supports fully automatic scheduling with minimum operator intervention. Received and decoded images can be zoomed, rotated, displayed and archived. They can be also printed, either automatically or on demand.

• **TELEX Mode**



The TELEX (RTTY) facility of the G33EM receiver makes it possible to receive and record messages which are being transmitted on marine radio TELEX frequency channels. Baudot and SITOP B modes are supported. Incoming messages are displayed and can be archived. They can also be printed, either automatically or on demand. For additional operator convenience, there are also various code filters available: BUOY, MAFOR, SHIP, SYNOP, SYN.MOBILE and PLAIN TEXT.

• **Specifications**

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	0.1-0.5MHz	0.5-2.0MHz	2.0-30MHz
	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
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: 164mm x Width: 96mm x Height: 41mm			
Weight	467 g (16.40 oz)			