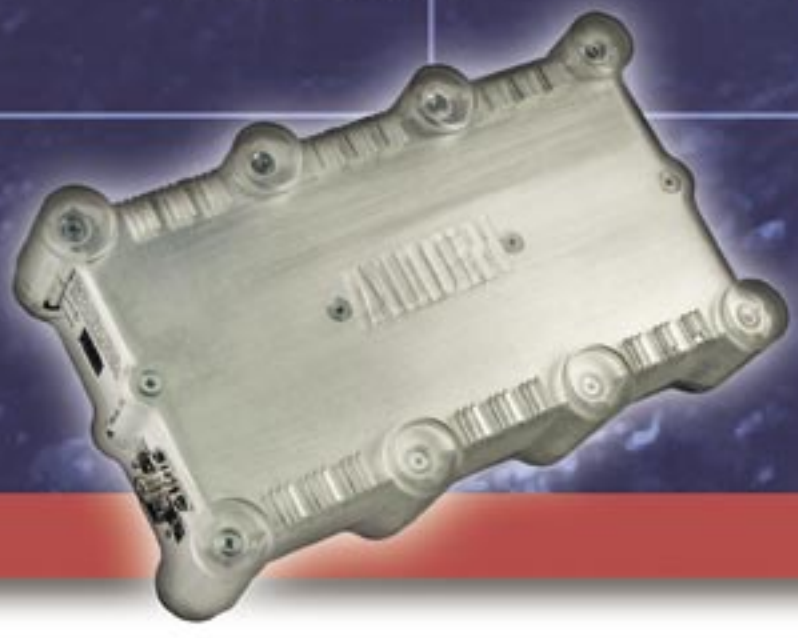
ALDEN
WeatherSystems

AE-3300
MARINEFAX &NAVTEX RECEIVER

Software-Defined Receiver for Marine Applications

Now you can receive on your PC:

- Weatherfax Charts
- NAVTEX Messages & Alerts
- DSC & RTTY



The AE-3300 standard package includes:

- AE-3300 receiver
- Application software
- 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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ALDEN AE-3300 MARINE NAVTEX & WEATHERFAX RECEIVER

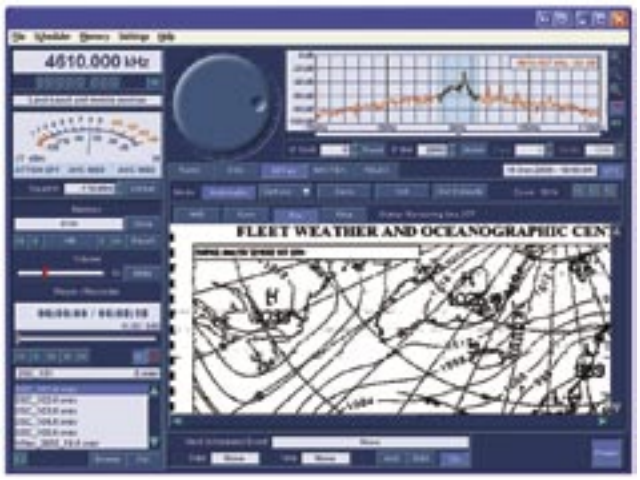
The ALDEN AE-3300 is a high-performance receiver specially developed for marine applications. It covers the HF and MF frequency range from 9 KHz to 30 MHz, and contains a number of decoding facilities including HF Weather-Fax, NAVTEX, DSC and RTTY (Telex), as well as the standard AM, SSB and CW radio modes. With all its functions and facilities the AE-3300 is truly a complete marine information center. In addition, a GPS option is available which integrates the receiver with a high-resolution global mapping facility that allows you to track your position with relative ease.

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.

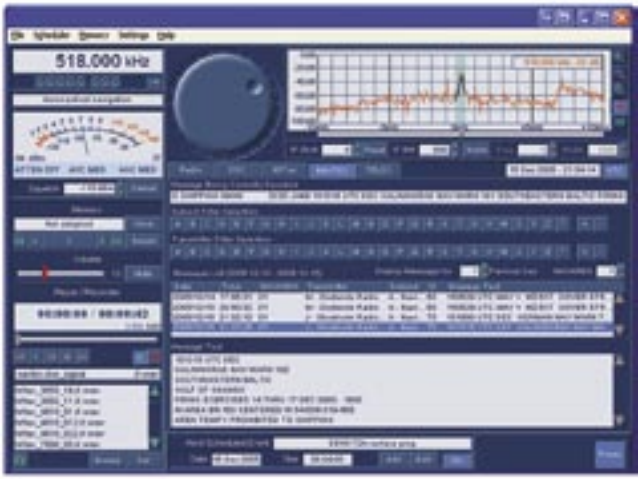
The receiver comes in a small enclosure which connects to an IBM-compatible PC (desktop or laptop) via the supplied USB cable. It is extremely user-friendly and easy to install in any yacht or vessel. An external antenna connects to the receiver.

The AE-3300's Features & Capabilities are Unique

- Frequency range 9kHz to 30MHz
- AM, LSB, USB, DSB, CW conventional modes
- DSC Digital Selective Calling (used in marine communications)
- HF Weather-Fax – to receive weather charts 50+ sites
- NAVTEX – including navigational messages, storm warnings, search & rescue information, and optional messages
- RTTY – to receive alphanumeric text messages, coded weather reports, and news agency reports
- High sensitivity
- Excellent dynamic range
- Real-time spectrum analyzer
- Spot-on tuning in 1 Hz steps
- Continuously variable bandwidth
- Automatic scheduling, recording & playback GPS option
- Small size and easy installation



SAMPLE HF WEATHER-FAX SCREEN



SAMPLE NAVTEX SCREEN

ALDEN AE-3300 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 µV		
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*:	2.0µV	0.5µV	0.4µV
LSB, USB:	0.7µV	0.3µV	0.2µV
CW:	0.3µV	0.2µV	0.1µV
**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)		
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.

Optional Accessories Offered Separately

- Active antenna
- GPS receiver option
- Wall mounting bracket

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Assembled in the USA

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