



## AE-1000

# COMPACT MARINE NAVTEX RECEIVER

**High reliability at an affordable cost**

- Huge Message Storage Capacity
- Wide Dynamic Range High-Sensitivity Receiver
- Output to Your PC to Print



**The AE-1000 standard package includes:**

- AE-1000 NAVTEX receiver
- User's manual
- Active antenna
- Mounting bracket
- DC cable

[www.alden.com](http://www.alden.com)

# ALDEN AE-1000 COMPACT MARINE NAVTEX RECEIVER

The ALDEN AE-1000 is a compact NAVTEX Receiver that has been designed to offer high reliability at an affordable cost. The AE-1000 is not intended to be used as a GMDSS approved component, but instead it is geared to the recreational user or for use in vessels that do not need to meet compulsory GMDSS requirements.

This NAVTEX unit has a huge message storage capacity. It can store more than 120,000 characters (equivalent to about 300 messages). Received messages are stored in non-volatile memory, and are automatically erased from oldest to newest either when full memory capacity is reached or after a 72 hour period. A wide dynamic range high sensitivity receiver ensures the reliable reception of NAVTEX messages even in the presence of interference on adjacent frequencies.

The NAVTEX message screen is a high contrast 4.5 inch LCD that provides a wide easy-to-read display (32 characters x 16 lines per page). You won't have to use and replace thermal paper again! The AE-1000 provides a fully electronic, economical, maintenance free solution. Both screen backlighting and contrast levels are fully adjustable. Stored messages can be scrolled line-by-line or message-by-message with a single keystroke, and can be output for printout with a PC or for other onboard or shore based applications.

With the appropriate data inputs applied to the built-in I/O port, two additional data display pages can be selected. One is to display the ships position coordinates, heading, and speed. The other one will display depth information in alphanumeric form. A short stainless steel whip-type active antenna is supplied as a standard accessory. Other types of antennas are available as options.

## ALDEN AE-1000 TECHNICAL SPECS

<b>Frequency Range</b>	518 KHz
<b>Input Impedance</b>	50 Ohms (nominal)
<b>Antenna</b>	1.2 m Preamplified active antenna
<b>Sensitivity</b>	Better than 1 $\mu$ V with 50 Ohm antenna
<b>RF Input Protection</b>	30 Vrms
<b>Receiving Emission Mode</b>	F1B with FEC
<b>Display Screen</b>	4" LCD ( high contrast)
<b>Text Display</b>	32 characters per line, 16 lines
<b>EMC</b>	EN 60945
<b>Message Storage</b>	300 Messages (avg.)
<b>Data Output</b>	7 bit ASCII non-parity, 1 stop bit
<b>Power Supply</b>	11 to 40 VDC, 5W
<b>Cabinet Size</b>	
Depth: 80 mm (3.15")	
Width: 215/175 mm (8.46"/6.9")	
Height: 130/108 mm (5.12"/4.25")	
<b>Weight</b>	650 g (1.3 lbs) with bracket
<b>Operating Temperature</b>	-15 to +55° C (23 to 130° F)

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

## WHAT IS INCLUDED WITH THE SYSTEM?

### The standard AE-1000 package includes:

- AE-1000 NAVTEX receiver
- User's manual
- Active antenna
- Mounting bracket
- DC cable