

Fulfills GMDSS  
Carriage Requirements

# FURUNO®

Low-Cost, User-Friendly Operation

## NAVTEX RECEIVER

Model **NX-500**

(Error Rate= 0.0%)  
(SAR Message)

ZCZC AD12  
120208UTC JUL 89  
ALL SHIPPING IN THE CENTRAL CARIBB-  
EAN SEA - VICINITY JAMAICA AND  
HAITI - THE FORTY FOOT VENEZUE-  
L FISHING VSL MARI MARTA HAS BE-  
REPORTED SISABLED AND ADRIPT  
AUTICAL MILES SOUTHEAST OF KI  
JAMAICA IN POSITION 15-34N 07  
THE MARI MARTA IS REPORTED T  
OUT OF FOOD AND WATER AND MA  
ONE PERSON ON BOARD IN NEED  
DICAL  
ASSISTANCE. ALL SHIPPING IS R  
TED TO MAINTAIN A SHARP LOOKO  
D  
ASSIST IF POSSIBLE. REPORT SI  
GS TO U.S. COAST GUARD.  
BT  
NNNN

*Printout in actual size*



- Compact, lightweight Navigation Telex Receiver (automatic narrow-band direct-printing telegraphy) conforming to IMO A.525 (XIII), CCIR Rec. 476-3, Rec. 540-1, and other national NAVTEX receiver specifications
- Meets SOLAS requirements (SOLAS Convention ships are required to carry a NAVTEX receiver not later than 1 August 1993). Suitable also for pleasure craft, fishing boats, any other vessels
- Unattended, continuous operation
- Quiet, quality, clear printouts by thermal recording mechanism
- System diagnosis
- 10.8 to 40.0 VDC power supply
- An audible and visual alarm for URGENT message (Search and rescue alerts)
- Stores 64 message ID's for 66 hours
- Active antenna optional
- Memory backup 6 hours in case of power supply failure
- May be used as a data logger when connected with equipment outputting data in either NMEA 0183 or CIF format (Will not interrupt NAVTEX reception)



The NX-500 is a maritime narrow-band direct-printing receiver to automatically print maritime safety information sent in the format conforming with CCIR Rec. 476-3, mode B, Collective, and CCIR Rec. 540-1. NAVTEX service uses a single frequency (518 kHz) from stations within each NAVAREA arranged on a time-sharing basis to eliminate mutual interference. The NAVTEX message contains the following message categories:

- A: Coastal navigation information
- B: Meteorological warning
- C: Ice report
- D: Search and rescue alert
- E: Meteorological forecast
- F: Pilot message
- G: Decca message
- H: Loran-C message
- I: Omega message
- J: SATNAV message
- K: Other navigational system message
- L: Additional warning to category A
- Z: No message on hand

The FURUNO NX-500 is an all-new, compact, cost-effective NAVTEX receiver — an ideal machine to be installed on any size boat.

### Printing Mechanism:

The NX-500 employs high quality, clear 9 x 7 dot matrix thermal printer which has advantages of quiet, quality printout without producing the foul-smelling carbon dust.

### Operation:

You can make all system settings on the MENU program. Once programmed, the NX-500 is ready for use and allows unattended operation. Received signal can be monitored for one minute with manual cut-off.

### Advanced Features:

The NX-500 is *smart and cost-effective*. The NX-500 automatically stores 64 message identifications for 66 hours and verifies every ID of newly received message and prints only the new entries. The operator can easily select or deselect stations but the message categories A (Navigational warnings), B (gale warnings), D (search and rescue messages), or any other message having serial number 00 will all be printed. In the European area and the East/West coast of the U.S.A. the NX-500 automatically picks an optimum NAVTEX station according to ship's position when connected with external nav equipment outputting NMEA 0183 data format (\$\*\*GLL) or ship Lat/Long in CIF.

## SPECIFICATIONS OF NX-500

### PRINTER

1. Recording System Thermal head printing.  
Paper TP-0340 (112 mm x 40 m), effective width 89.6 mm
2. Format 35 or 70 characters/line (switchable)  
9 x 7 dot matrix, more than 290,000 characters/roll (35 characters/line)
3. Print Speed 31 characters/sec.
4. ID Memory 64 message IDs, stored for 66 hours
5. Illumination 3 steps (SAR and PAPER lamps will not be dimmed to extinction)

### RECEIVER CHARACTERISTICS

1. Receiving Freq. 518 kHz
2. Mode of Reception F1B
3. Sensitivity 2  $\mu$ V e.m.f. (50 $\Omega$ ), 4 % error rate
4. Selectivity Bandwidth: 300 Hz at 6 dB  
Attenuation: 46 dB at  $\pm$ 0.8 kHz
5. Spurious Emission 1 nW or less

### POWER SUPPLY

- 10.8 to 40.0 VDC, less than 15 W
- 110/220 VAC with optional Rectifier PR-62

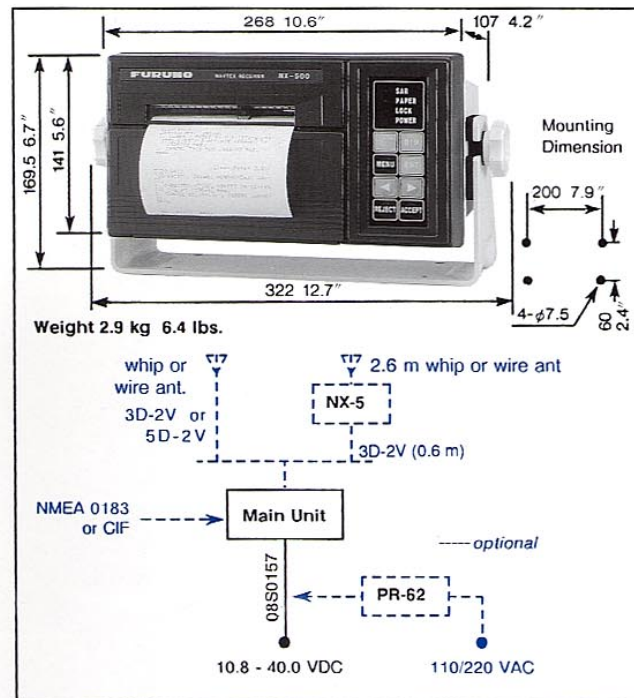
### EQUIPMENT LIST

#### Standard

- 1) Main Unit (1 roll paper inset) 1 unit
- 2) Installation Materials and Fuses (2 pcs.) 1 set

#### Optional

- 1) Active Antenna (pre-amp) NX-5 with 0.6 m 3D-2V
- 2) 2.6 m Whip Antenna 04S4176-0 for use with NX-5
- 3) Flush Mount Panel OP08-4
- 4) Rectifier Unit PR-62
- 5) Extension Antenna Cable OP04-2 (10, 20, 30, 40 or 50 m)



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



The future today with FURUNO's electronics technology.  
**FURUNO ELECTRIC CO., LTD.**  
 9-52 Ashihara-cho, Nishinomiya City, Japan Telephone: (0798) 65-2111  
 Telex: 5644-325, Telefax: (0798) 65-4200, 66-4622, 66-4623