FURUNO®

Low-Cost, User-Friendly Operation
NAVTEX RECEIVER

Model NX-500

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- Compact, lightweight Navigation Telex Receiver (automatic narrow-band direct-printing telegraphy) conforming to IMO A.525 (XIII), ITU Rec. M.476-5, Rec. M.540-2, and other national NAVTEX receiver specifications
- Meets SOLAS requirements
- 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 120 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

FURUNO ELECTRIC CO., LTD.

NISHINOMIYA JAPAN

The NX-500 is a maritime narrow-band direct-printing receiver to automatically print maritime safety information sent in the format conforming with ITU Rec. M.476-5, mode B, Collective, and CCIR Rec. M.540-2. 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.
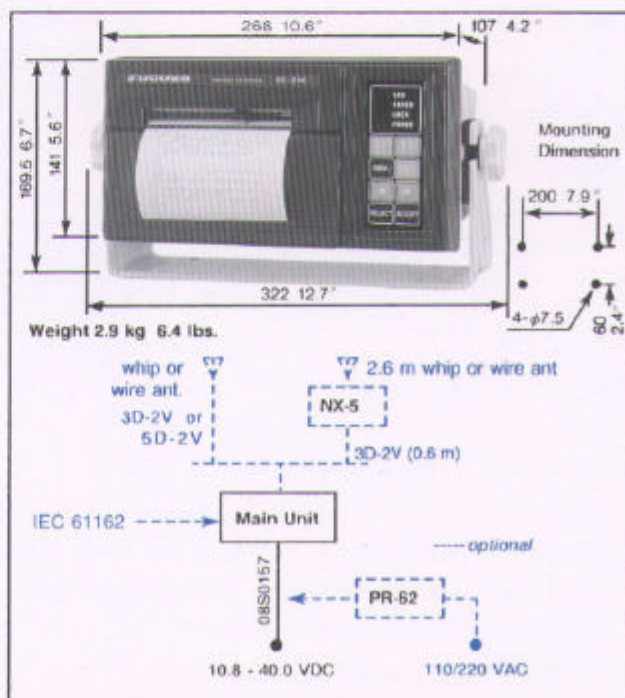
Printing Mechanism:
The NX-500 employs high quality, clear 9 x 7 dot matrix thermal printer which has advantages of quiet, quality printout without producing the foul-smelling carbon dust.

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 120 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 IEC 61162 data format ($\text{\$**GLL}$) 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	120 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 µV e.m.f. (50Ω), 4 % error rate
4. Selectivity	Bandwidth: 300 Hz at 6 dB Attenuation: 46 dB at ±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)

Mounting Dimension

Weight 2.9 kg 6.4 lbs.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE