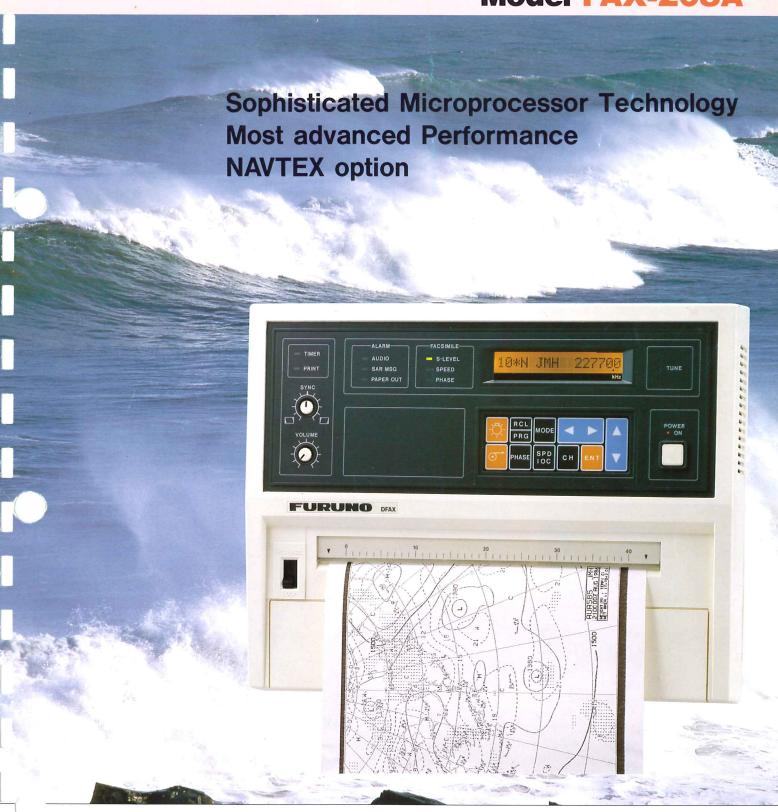
FURUNO

FACSIMILE RECEIVER

Model FAX-208A





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 Catalogue No. FX-609 b

TRADE MARK REGISTERED MARCA REGISTRADA

SOPHISTICATED DESIGN FOR SIMPLE

- Super clear weather chart and satelliteimage reception with high-resolution, high-contrast and four gradation levels.
- Quiet, reliable thermal recording mechanism
- Automatic, unattended operation by programmable control.
- All known 80-160 kHz LF and 2-25 MHz Facsimile frequencies. 10 additional channels for user-programming.
- Internal NAVTEX option. Regular NAVTEX messages are stored in memory for later printout while the operator places priority in a FAX reception, urgent messages are instantly printed.
- Automatic hands-off selection of the optimum frequency.
- Active antenna optionally available for simultaneous reception of FAX and NAVTEX by using a short backstay or a 2.6m whip antenna.

ZCZC GE38

CULLERCOATSRADIO SHIPPING FORECAST

0848 ON FRIDAY 5TH DECEMBER 1986

THE GENERAL SYNOPSIS AT MIDNIGHT
LOW NORTHERN IRELAND 993 EXPECTED CENTRAL SWEDEN 974 BY MIDNIGHT
TONIGHT. LOW MOVING RATHER QUICKLY EAST EXPECTED 600 MILES WEST OF
ROCKALL 972 BY SAME TIME. LOW 150 MILES NORTHEAST OF SHETLAND 990
FILLING

FORECAST FROM 050700

VIKING NORTH UTSIRE SOUTHWEST BACKING NORTHWESTERLY 5 INCR RAIN OR SHOWERS. GOOD BECOMING POOR FO

SOUTH UTSIRE FORTIES
SOUTHWEST BECOMING CYCLONIC THEN NORTH
RAIN THEN SHOWERS. POOR BECOMING GOOD

CROMARTY

VARIABLE BECOMING NORTHWESTERLY 5 INCR A TIME. RAIN THEN SHOWERS. POOR BECOMI

TORRESON PACES OUT PACES MALE STEED PACES OUT PACES OUT

The all-new FURUNO FAX-208A brings the latest in microprocessor technology to the world of marine facsimile. The FAX-208A provides high-quality, high-resolution charts and satellite images transmitted from shoreside FAX stations all around the world. These charts yield four "gray" levels (pure black, dark gray, light gray and white) on high-contrast 8" wide white thermal paper. This highly reliable and field-proven system has the advantage of not producing the foul-smelling carbon dust that older machines typically gave off when in operation.

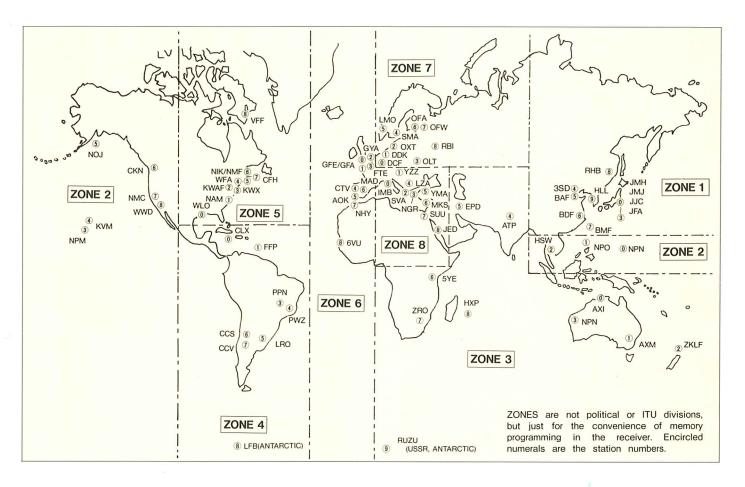
The FAX-208A can be programmed for completely automatic, hands-off operation: it is even "smart" enough to scan all frequencies available for any particular station and pick the one which will give the best picture!

The FAX-208A has another unique feature in that it is the only marine FAX receiver which can incorporate a built-in NAVTEX receiver module which is just as intelligent as the FAX portion of the system. More and more NAVTEX transmitting stations are coming on the air around the world to provide automatic updating of weather and safety conditions in local areas.

While FAX signals are being received and printed out, if an Urgent NAVTEX message is received the FAX will suspend operation and allow the NAVTEX message to take command. Otherwise, normal NAVTEX message will be stored in the background for later printing after the FAX is finished.

The optional broadband active antenna is available to provide reception for FAX and NAVTEX transmissions with use of a short backstay or 2.6m whip antenna.

OPERATION. NAVTEX AVAILABILITY



All known fax frequencies are here! Easy to tune in.



You do not have to know the frequencies of the fax stations. If you enter the ZONE and STATION numbers, the computerized receiver does everything else. To tune in the Bracknell station, for instance, hit the touchpads-[CH][▲ to get 6 as ZONE][▶ to move cursor][▲ to get 0 as STATION][▶ to move cursor][▲ to get * for automatic search][ENT].

The CALL SIGN with an optimum frequency will be automatically displayed. Of course you can select a frequency manually, too, with fine tuning keys.

Automatic Start/Stop by WMO signal or Schedule Timer The facsimile stations broadcast weather maps and news at regular schedules. You can preset 16 sets of start and end time by schedule timer.

53 * N NAM 13:20 - 13:45
Start End

NAVTEX OPTION

NAVTEX is Navigation Teleprinter in the format of narrow band direct printing (NBDP). The NAVTEX stations broadcast on 518 kHz weather and navigational information for the safety at sea. The NAVTEX message contains the following message categories.

- A: Coastal navigational 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: Differential Omega message
- K: Other navigational system message
- L: NAVAREA warning

The facsimile receiver with NAVTEX module permits unattended operation to receive these messages. When the receiver is working to plot a weather map, the NAVTEX messages are stored in memory for later print. But the message D is instantly printed suspending the facsimile information. The equipment is designed to CCIR Rec 540-1, 476-3, and CEPT.

SPECIFICATIONS OF FAX-208A

RECEIVER CHARACTERISTICS

1. Frequency Range

80 to 160 kHz and 2 to 25 MHz, in 100 Hz steps

2. Number of Channels

371 channels max. capability

3. Receiving System

Double-conversion superheterodyne I.F.:50.0 MHz and 455 kHz

4. Mode of Reception

F3C, J3C (USB/LSB switchable)

5. Sensitivity

80 to 160kHz: 10μ V at 20 dB SINAD 2 to 25MHz: 2μ V at 20 dB SINAD

6. Selectivity

Bandwidth: 2.4 kHz at 6 dB Attenuation: 60 dB at 6.0 kHz

7. Tuning Monitor

3 LED's indicate whether the frequency is to be adjusted upward, downward, or just tuned in.

RECORDER CHARACTERISTICS

1. Recording System

Thermal head printing. Paper TP-082D (216mm×20m) Effective width 192mm

2. Scanning Speed

60, 90, 120 or 240 r.p.m., automatic or manual selection

3. I.O.C.

576 or 288, automatic or manual selection Scanning Density 5 lines/mm approx.

4. Level Quantization

4 levels (black, dark gray, light gray and white)

5. Phase Control

Automatic or manual

6. External Input Signal

Black: 1500 Hz, White: 2300 Hz Level 0 dBm at 600 ohms

7. Operation

Automatic or manual

Automatic start/stop by W.M.O. remote control signal Schedule Timer 16 programs/day

NAVTEX RECEIVER (Optional)

1. Frequency

518 kHz

2. Message Memory

7000 characters, 30 ID codes Storage hour 66 hrs

3. Format

79 characters/line, 13×9 dot matrix

4. Print Speed

27 characters/sec

POWER SUPPLY

10 to 40 VDC universal, 27 W (15 W at stand-by) 110/220 VAC with extra rectifier PR-62

EQUIPMENT LIST

Standard

- 1. Main Unit (1 roll of paper inset)
- 2. Installation Materials
- 1 unit 1 set
- 3. 2 spare fuses and 1 roll of paper

Option

- 1. Rectifier PR-62 for 110/220 VAC mains supply
- 2. NAVTEX Receiver Module OP08-2
- 3. Active Antenna (Pre-amp Unit) FAX-5 (w/15m 3D-2V)
- 4. 2.6m Whip Antenna STYLE 10-3 DCE for use with FAX-5
- 5. Extension cable kit for FAX-5

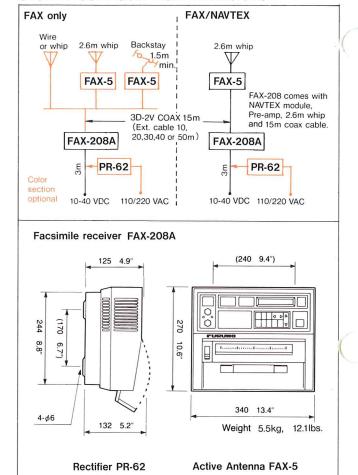
153 6.0

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Weight 3kg 6.6 lbs.

153

SYSTEM CONFIGURATION/DIMENSIONS



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Weight 0.6ka

FOR FURTHER INFORMATION,
PLEASE CONTACT

