

# JRC 250 W MF/HF RADIO EQUIPMENT



## JSS-800

- Designed in compliance with the carriage requirements for the GMDSS under the latest SOLAS.
- A Compact GMDSS Console Most Suited for Fishing Vessels and for Retrofit of Existing Radio Equipment on Board Ships.



## FEATURES

### • Remote Control from Bridge

All control and watch operations for distress, safety and general communications are available from the remote controller installed at the bridge, in order to fully meet the GMDSS requirements.

### • Up to Two Controllers Installable

The Controller is available in remote and built-in types. Two controllers can be installed on board, one being standard and the other optional. The remote type is to be installed at the bridge, and the main equipment and the antenna tuner are to be installed at another place.

### • Telex (NBDP) - Option

By connecting a keyboard and a printer to it, the main equipment is capable of telex communications.

### • MF/HF DSC Function and DSC Watchkeeping Receiver

The Digital Selective Calling (DSC) function and a DSC watchkeeping receiver are incorporated in the main equipment. DSC communications that are essential for the GMDSS is available without additional equipment.

### • Built-In Charger for Reserve Battery

A built-in charger for reserve battery is incorporated in the main equipment in order to meet the GMDSS requirement.

### • Dual Power Supply Systems

AC and DC power supply systems are provided in order

to meet the GMDSS requirement.

### • Stable Communications

The JSS-800 incorporates a newest 250 W SSB transceiver with synthesized control in 100 Hz steps for transmission and in 10 Hz steps for reception in a range of 1.6 to 27.5 MHz, ensuring stable communications.

### • All ITU Channels and 1600 User Channels

The JSS-800 incorporates all ITU channels and can easily preset and recall up to 1600 user channels from memory.

### • One-Touch Emission of Distress Signals

The DSC distress frequencies of 2187.5 kHz and 8414.5 kHz, and the radiotelephone alarm frequency of 2182 kHz can be emitted with a one-touch switch operation.

### • Ease of Maintenance

The JSS-800 is of unit design and incorporates self-diagnostic functions, ensuring easy checking and maintenance.

### • Mountable on Radio Console

The JSS-800 is of compact, unit design so that each unit can easily be mounted on any of JRC radio consoles, allowing easy retrofit or replacement of the equipment in the radio console installed on board existing ships.

## SPECIFICATIONS

### • GENERAL

Frequency range :	Transmit 1.6 MHz to 27.5 MHz Receive 90 kHz to 29.99999 MHz	Antenna tuner :	Automatic tuning by CPU control and preset tuning
Channels :	All ITU channels (maritime service) 1600 user channels presettable 2182 kHz (H3E), 2187.5 kHz (F1B) and 8414.5 (F1B) emittable by switch	Power supply :	100-120/200-240 VAC $\pm$ 10%, 50/60 Hz, single-phase, 2 kVA max. 24 VDC $-$ 10% or $+$ 30%, 29 A max.
Types of emission :	J3E, H3E, F1B/J2B, A1A, J2C, H2B, and A3E (receive only)	Dimensions and weights	
Modes of operation :	Simplex and duplex (option)	Main equipment :	523 (W) x 755 (H) x 520 (D)mm, 115 kg
DSC/NBDP modem :	Incorporated DSC — (CCIR Rec. 493, 541) NBDP — ARQ/FEC (option) (CCIR Rec. 625, 476, 490, 491 and 492)	Antenna tuner :	300 (W) x 520 (H) x 110 (D)mm, 6.1 kg
		Controller :	350 (W) x 330 (H) x 140 (D)mm, 5.1 kg
		Keyboard :	320 (W) x 50 (H) x 172 (D)mm, 1.5 kg
		Printer :	305 (W) x 65 (H) x 135 (D)mm, 1.5 kg

● **MF/HF TRANSMITTER (NSD-81)**

Frequency range : 1.6 to 27.5 MHz, in 100 Hz steps

Output powers

Type of emission	2182 kHz	1.6 to 4.0 MHz	4.0 to 27.5 MHz
H3E	200 WpX	—	—
J3E, J2C	—	200 WpX	250 WpX
F1B, A1A	—	200 WpX	250 WpX
H2B	—	200 WpX	250 WpX

Frequency stability : 10 Hz (0.3 ppm) or less, synthesized

Power reduction : Two steps

Radiotelephone alarm signal generator : Built-in

● **MF/HF RECEIVER (NRD-740)**

Receiving system : Double superheterodyne

Frequency range : 90 kHz to 29.99999 MHz, in 10 Hz steps

Frequency stability : Within  $\pm 10$  Hz

● **MF/HF DSC WATCHKEEPING RECEIVER (NRD-720)**

Receiving system : Double superheterodyne

Frequencies : 2187.5, 4207.5, 6312, 8414.5, 12577, 16804.5 kHz

Type of reception : F1B, J2B

Frequency stability : Within  $\pm 10$  Hz

Scanning : Within 2 seconds for all frequencies

● **CHARGER FOR RESERVE BATTERY**

Charging system : Automatic charge during voyage / Equalizing charge during storage

**COMPOSITION**

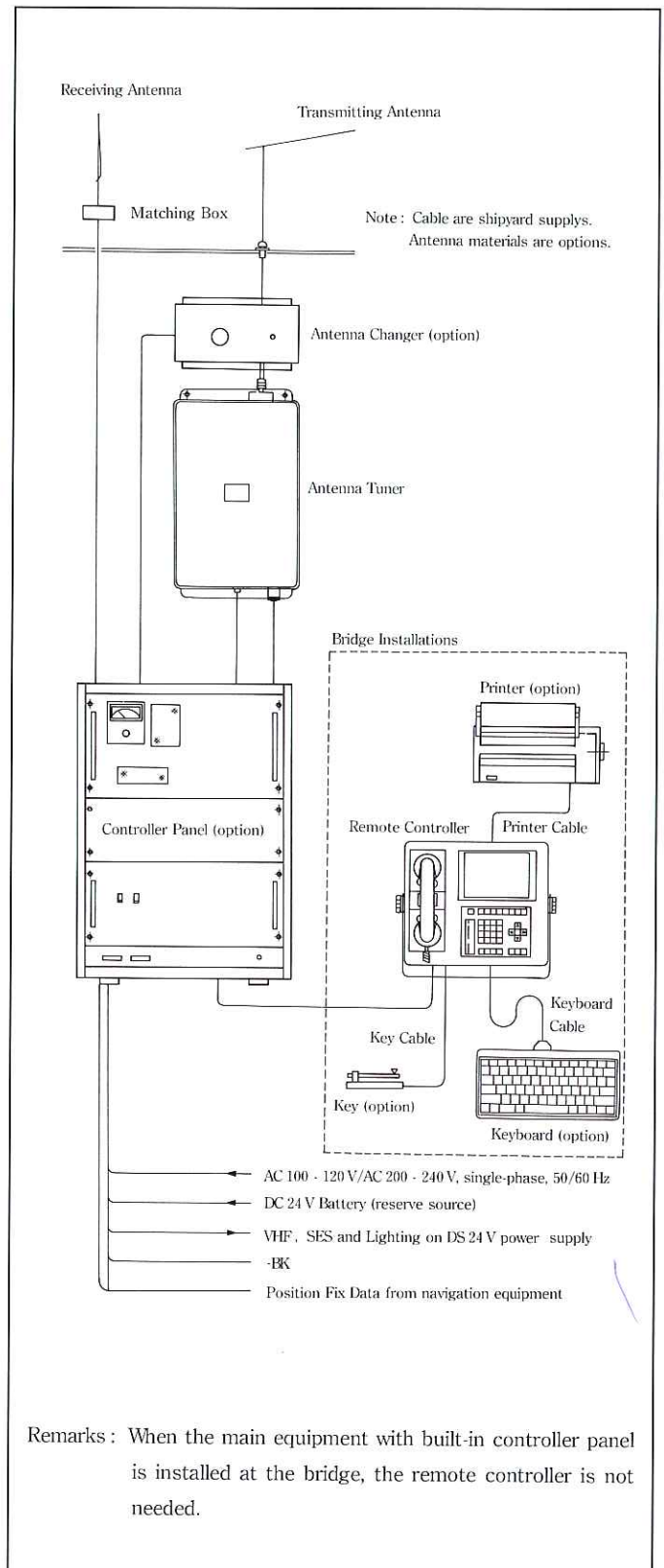
● **STANDARD COMPONENTS**

- Main Equipment
- Remote Controller
- Antenna Tuner
- Spare parts

● **OPTIONS**

- Controller Panel • Keyboard • Printer • Key
- Antenna Changer (with built-in dummy load)
- Installation Materials
- Antenna Materials • Antenna Matching Unit
- Tester • Tools • Documents

**CONNECTION DIAGRAM**



Appearance and specifications may be subject to change without notice.

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Since 1915

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**ISO 9001**

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