

JSS-2150/2250/2500 MF/HF radio equipment

150W

250W

500W



– available in 150W, 250W and 500W versions, guaranteed enhanced performance and stability

- 3.8-inch high brightness display**
- Standard 6 channel DSC watch-keeping built-in**
- Flexible black box configuration**
- Digital audio and integrated speaker**
- Easy operation with JOG dial**

Features

Features

The JSS-2150/2250/2500 MF/HF Class A DSC radio equipment features an intuitive user interface and advanced modular design that allows for a flexible installation approach.

Shown with optional bracket



6-channel DSC watch-keeping built-in

The MF/HF has Digital Selective Calling (DSC) as standard with a built-in 6-channel DSC watch-keeping receiver. You can transmit and receive digital selective calls for quick and efficient establishment of distress, urgency, safety and routine communication with other ships and coast stations.

In distress situations, the MF/HF sends an alert once you press the distress button. The integrated DSC watch-keeping receiver monitors distress alarms through continuous scanning of distress frequencies.

Display settings

The MF/HF uses a 3.8-inch high visibility LCD display, which you can adjust at your own convenience. The display has 10 dim settings and you can set the contrast up to 11 different levels. An integrated screensaver and the ability to assign a commonly used menu to a user key for direct access, are just a few of the possibilities.

Distress alerts

The MF/HF includes a prominent distress button, with features to prevent accidental activation. When in distress, you can send a DSC message instantly, transmitting your MMSI, position, time of position and nature of distress, enabling an immediate response for search and rescue efforts.

Digital audio

The MF/HF integrates an advanced digital audio amplifier, which increases the amount of power, making the receiving message loud and clear.



Connect a remote control

Getting a second operation display onboard is easy. Connect a second display to the transceiver and position the display at a secondary location on the ship. The second MF/HF station is fully operable and you can transfer saved channel data to optimize your operation.

Operation

Unified design

The display design allows you to carry out all operations simply by using the same unified keyboard layout as found in JRC's VHF radiotelephone. The keypad is solid and responsive, which allows for precise operation. The keys are also backlit, making it easy to operate in low-light settings on the bridge.



- TEL, ESC, CW → DSC mode
- 1-9 numeric keys → CW mode
- 0/FRT, ENT → Turn on/off speaker
- USER, ANT, CH → Switch TX power (high & low)
- MENU → Direct access to predefined menu
- JOG dial → Easy JOG dial operation (rotate & push)
- VOL knob → Volume control

NBDP (telex) option

Complement your MF/HF with the NBDP* kit for telex communication with shore radio stations and with other ships. It includes a 10.4-inch messaging unit featuring a color display with a variety of color backgrounds. The LCD gives you a bright picture with excellent color consistency, even when you are viewing the display from the side.



USB

The USB 2.0 port located on the front panel allows you to connect a mass storage device to save and load messages.

What is in the NBDP kit?

- Data terminal (NDZ-227)
- Keyboard (NDF-369)
- Printer (NKG-800)
- U-type bracket for display (MPBP31721)
- Signal & power cables for data terminal and printer
- Necessary NBDP software and manual



Remote Maintenance System (RMS)

JRC has the ability to cost-effectively monitor performance and functionality of all MF/HF models while at sea, significantly reducing downtime and maintenance costs. jrceurope.com/rms

* Narrow Band Direct Printing (NBDP)

Flexibility

150W
JSS-2150

Flexible installation

All MF/HF models are minimum configured as standard, consisting of a display+handset, transceiver and antenna tuner. The 150W model can be applied for non-solas vessels, but also configured with necessary options up to GMDSS A4 area. In contrast to the other two models, the 150W version has a smaller transceiver and antenna tuner which allows for a more flexible installation approach in confined spaces.



Antenna tuner



Transceiver

NEW
250W
JSS-2250

NEW
500W
JSS-2500

When more power output is required, simply select the 250W or 500W version. Additionally, the new 250W and 500W version come with a redesigned antenna tuner, transceiver and power supply designed to fit into a common 19-inch rack.



Transceiver **NEW**

Built-in Class A DSC and NBDP modem.

Power supply **NEW**

Identical circuit breaker for AC and DC input.

Battery charger*

Alarm notification function included.



Antenna tuner **NEW**

Outside mounting available as standard. Built-in antenna grounding circuit. Same mounting dimensions as preceding model (JSS-296/596).

* battery charger can be used for all models

Self diagnosis

With JRC's MF/HF radio equipment you can perform self-diagnosis checks on the display and transceiver, allowing for easy maintenance and more reliability. The results are directly shown on the screen and can be saved as a log (up to 10 possible) or printed (with optional printer).

In the box

- Display+Handset
- Transceiver
- Antenna tuner
- Display to transceiver cable (5 m)
- Power supply (250W/500W only)
- Manual

Options

- Power supply NBD-2150 (150W)
- Battery charger NBB-724/714
- Display NCM-2150 (max 2)

- Display cable 7ZCJD0343 (5 m)
- Connection box NQD-2250 (for 2nd display)
- Mounting bracket MPBC42957 (flush)
- Mounting bracket MPBX44354 (table)
- Handset NQW-261 (IP66)
- NBDP kit 7ZZJD0089 (contents see left)
- Antenna NAW-208S (10 m) TX
- Whip antenna* NAW-60 (6 m) RX and/or WKR
- Joint box JQD-69C (for RX & WKR)
- Junction box NQD-2253 (for antenna tuner)
- Printer (flush) NKG-91
- Printer (table) NKG-800/DPU-414
- DMC NCH-321A

* Flag/class may require two RX antennas to separate RX from WKR.



Japan Radio Co., Ltd.

Weight and dimensions



Display/Handset

NCM-2150/NQW-261 Weight 1,3/0,5 kg

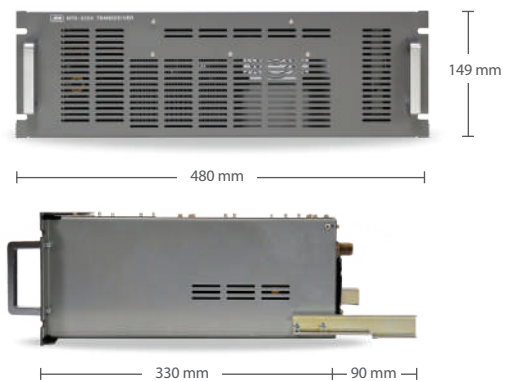


Transceiver

NTD-2150 Weight 13 kg



NTD-2250/2500 Weight 15/17 kg **NEW**



Antenna tuner

NFC-2150 Weight 3,3 kg



NFC-2250/2500 Weight 10/10 kg **NEW**



Specifications

	JSS-2150	JSS-2250	JSS-2500
IMO type approved	✓	✓	✓
Output power	150W	250W NEW	500W NEW
Regulations	IMO A.806 (19), A.694 (17), MSC68 (68), MSC/Circ.862, IEC 60945 Ed.4 2002-08		
Transmission frequency	1605.0 to 27500.0 kHz (100 Hz steps)		
Reception frequency	90 to 29999.9 kHz (100 Hz steps)		
Frequency stability	Within ± 10 Hz		
Watch-keeping frequencies	2187.5 kHz, 4207.5 kHz, 6312 kHz, 8414.5 kHz, 12577 kHz, 16804.5 kHz		
Type of emission	TEL (J3E), DSC, Telex (F1B), CW (A1A), Data (H2B, J2D), AM receiver (H3E)		
User programmable channel	Up to 400 (20 channels x 20 groups)		
ITU preset channel	1722 ch		
Channel switching time	15 sec or less		
Communication method	Push to talk (simplex, semi-duplex)		
Antenna impedance	50Ω		
Reception attenuation (ATT)	4 steps: 6dB, 12db, 18db, off		
Display	3.8-inch LED backlit (320 by 240 pixels)		
Communication speed	57.6 kbps		
Microphone input	-54 dBm		
Audio output	Loud speaker: 5W (8Ω), handset phone: 1mW or more (150Ω)		
Interface	IEC61162-1 (GPS/AME/RMS)		
Compass safety distance	1.9 m		
Receiving system	Double superheterodyne		
Sensitivity (SINAD 20dB)	J3E: ≤2.5μV, F1B: ≤0.7μV, A1A: ≤1.4μV		
RMS interface	Built-in		
Transmitter output 1.6-4 MHz Transmitter output 4-27.5 MHz	DC: 100Wpx DC: 150Wpx	DC:100Wpx, AC: 200Wpx DC:150Wpx, AC: 250Wpx	DC:100Wpx, AC: 400Wpx DC:150Wpx, AC: 500Wpx
Power	21.6-31.2V DC (optional power supply 90-132V AC, 180-264V AC)		
Consumption	DC: TX ≤30A, RX ≤5A	DC: TX ≤40A, RX ≤7A AC: TX ≤2.0kVA, RX ≤0.5kVA	DC: TX ≤40A, RX ≤7A AC: TX ≤3.0kVA, RX ≤0.5kVA
Power saving	Relays are turned off when in sleep mode		
Ambient conditions	Operating temperature: -15° to 55°C (display), -25° to 55°C (antenna tuner) Storage temperature: -15° to 55°C (display), -25° to 70°C (antenna tuner) IP protection rate: IP22 (display), IP66 (handset) Relative humidity: 0% to 93% non-condensing		

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