

JSS-2150 MF/HF radio equipment



– the newly designed 150W MF/HF radio equipment delivers enhanced performance and stability

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

MF/HF radio equipment – performance features

Unique features

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



6-channel DSC built-in

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

In urgent situations, the JSS-2150 sends a distress alert once you press the distress button. The integrated DSC watch-keeping receiver monitors distress alarms through continuous scanning of distress frequencies.

Digital audio

The MF/HF integrates an advanced digital audio amplifier with a built-in speaker, which increases the amount of power, making your message loud and clear.



Setting your settings

The JSS-2150 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, integrated screensaver and assign a commonly used menu to the user key for direct access. These are just a few of the possibilities.

Distress alerts

The JSS-2150 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.

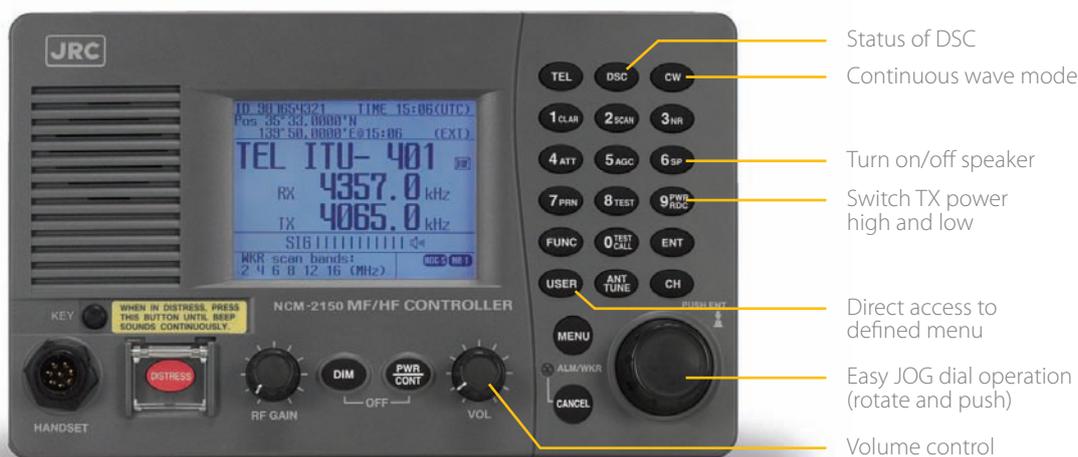


MF/HF radio equipment

– developed for maximum ease of use

Unified design

The new 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 keyboard 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.



Simple operation

The compact design of the JSS-2150 incorporates an intuitive interface, providing enhanced ergonomics and user friendliness. The logic of the push buttons and JOG dial operation and excellent on-screen menus will greatly shorten most users' learning period.

JRC StarNetwork™

JRC has been providing sales and support of products since 1915. Today, JRC offers comprehensive assistance through its organisation, in partnership with a worldwide StarNetwork™ of over 270 fully trained and qualified partners and agents, assisting you 24 hours a day, 7 days a week and 365 days a year.



JRC one-call™

One number to call
With JRC you can go anywhere and if you need our support, simply call us at +81 3 3492 9201, anytime.

MF/HF radio equipment – system flexibility

Connect a remote control

Getting a second operation panel onboard is easy. Connect the 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 optimise your operation.

Flexible interfacing

Besides connecting a printer and GPS, you can connect the MF/HF to the Remote Maintenance System (RMS¹), a system that transmits a variety of information via satellite to shore, to remotely perform maintenance and management checks – significantly reducing down time and service miscarriage by failure analysis.

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, you can save as a log (up to 10 possible) or print the results (with optional printer).



Black box configured

The JSS-2150 is black box configured and allows for a flexible installation approach in confined space. Panel, desktop or overhead mounting is possible with this significantly in size reduced MF/HF.

¹ JRC (S-) VDR and Fleet 77, FB250 or FB500 must be installed onboard in order to take advantage of JRC's RMS

What's standard in the box?

1. Display²
2. Handset³
3. Transceiver
4. Antenna tuner
5. Cables
6. Manual

² excluding bracket

³ including cradle

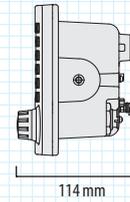
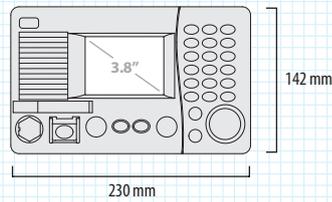
Which cables?

Display to transceiver	5 m
Antenna tuner to transceiver	5 m

MF/HF radio equipment – dimensions and weights

Dimension drawings - Display

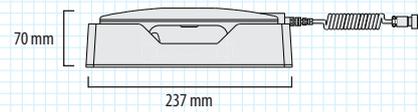
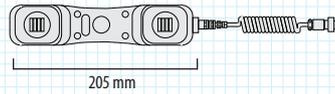
NCM-2150 Weight 1,3 kg



cutout for panel mount height 122 mm, width 220 mm, depth 180 mm

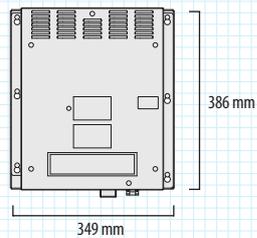
Dimension drawings - Handset

NQW-261 Weight 0,5 kg



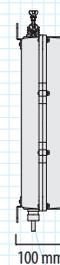
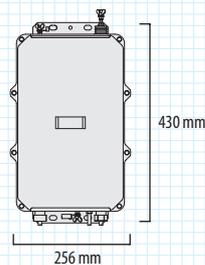
Dimension drawings - Transceiver

NTD-2150 Weight 13 kg



Dimension drawings - Antenna tuner

NFC-2150 Weight 3,3 kg



MF/HF radio equipment – specifications

Model		JSS-2150
IMO compliant		✓
General		
Display	3.8-inch, LED backlit, 320 by 240 pixels	
Communication speed	57.6 kbps	
Microphone input	-54 dBm	
Rated audio output	speaker (8Ω): ≤5W, handset (150Ω): 1 mW or more	
Frequency transmit	1605.0 to 27500.0 kHz (100 Hz steps)	
Frequency receive	90.0 to 29999.9 kHz (100 Hz steps)	
Emission type	J3E, F1B, A1A, H3E, H2B, J2D	
Channels	up to 400 (20 ch x 20 groups)	
ITU preset channels	831 ch	
Channel switching time	≤15 sec	
Communication method	push-to-talk (simplex, semi-duplex)	
Antenna impedance	50Ω	
Interface	IEC61162-1 (GPS, RMS), NMEA0183	
NMEA version	1.5, 2.0, 2.3	
NMEA input	GGA, GLL, RMC, GNS, ZDA	
Power supply	21.6V to 31.2V DC	
Power consumption	150W transmit: ≤30A, receive: ≤5A	
Operating temperature	-15° to 55°C (parts exposed to condensation -25° to 55°C)	
Storage temperature	-15° to 55°C (parts exposed to condensation -25° to 70°C)	
Operating humidity	0% to 93% non-condensing	
Protection rate	IP22 (display)	
Transmitter		
Antenna output power	1605.0 to 3999.9 kHz: 100Wpep 4000.0 to 27500.0 kHz: 150Wpep	
Modulation method	low-power stage balanced modulation	
Occupied bandwidth	J3E, J2D, H2B: within 3 kHz, F1B, A1A: within 0.5 kHz	
Receiver		
Receiving system	double superheterodyne	
Intermediate frequency	70.036 MHz, 36 kHz	
Frequency stability	within ±10 Hz	
Sensitivity	J3E: ≤2.5 uV, F1B: ≤0.7 uV, A1A: ≤1.4 uV	
Clarifier variable range	±200 Hz (1 Hz steps)	
Line output	0 dBm 600Ω (balanced)	
Optional items		
Power supply (AC/DC)	NBD-2150	
Battery charger	NBB-724	
Display (max 2 in configuration)	NCM-2150	
Mounting bracket for display (flush)	MPBC42957	
Mounting bracket for display (table)	MPBX44354	
Connection box (for second display)	NQD-2250	
Waterproof handset (IPX66)	NQW-261	
Printer (wall, table mount)	NKG-91	
Printer (desktop type)	DPU-414, NKG-800	
Junction box (for antenna tuner)	NQD-2253	

JRC has several antenna solutions available

All specifications are subject to change without notification.

For further information please contact:



Japan Radio Co., Ltd.

JRC

Cessnalaan 40-42

1119 NL, Schiphol-Rijk, The Netherlands

T +31 20 6 580 750

F +31 20 6 580 755

E sales@jrceurope.com

W www.jrceurope.com