

JSS-2150(NBDP option) MF/HF radio equipment



*Data Terminal is a part of NBDP option.

– 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**
- Digital audio and integrated speaker**
- Easy operation with JOG dial**
- Telex communication available with NBDP option**

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 controller 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.

Telex Communication (option)

JSS-2150 can correspond to the TELEX communication by equipping it with NBDP option. NBDP option is composed of data terminal, keyboard, printer and cables. The data terminal uses a 10.4-inch high-visibility color LCD and preset color patterns of our marine navigation equipment. It is also possible to design an original color pattern. Communication messages can be exchanged with PC by USB memory.



Distress alerts

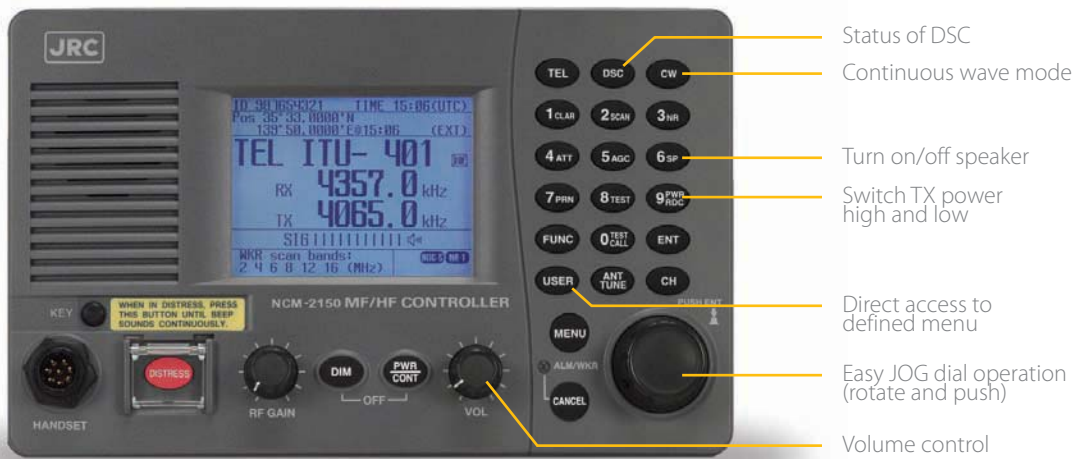
The JSS-2150 includes a prominent distress button, with features to prevent accidental activation. When in distress, you can send a DSC message instantly, transmitting your MMSI, position, time of position and nature of distress, enabling an immediate response for search and rescue efforts.



MF/HF radio equipment – developed for maximum ease of use

Unified design

The new controller 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 controller 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.

Self-diagnosis

With JRC's MF/HF radio equipment you can perform self-diagnosis checks on the controller 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).

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 controller to the transceiver and position the controller 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. Optional NBDP can be connected up to two by suiting it to the number of controllers.

Flexible interfacing

Besides connecting a NBDP option 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.

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

What's standard in the box?

1. Controller²
2. Handset³
3. Transceiver
4. Antenna tuner
5. Cables
6. Manual

Which cables?

Controller to transceiver	5 m
Antenna tuner to transceiver	5 m

² excluding bracket
³ including cradle

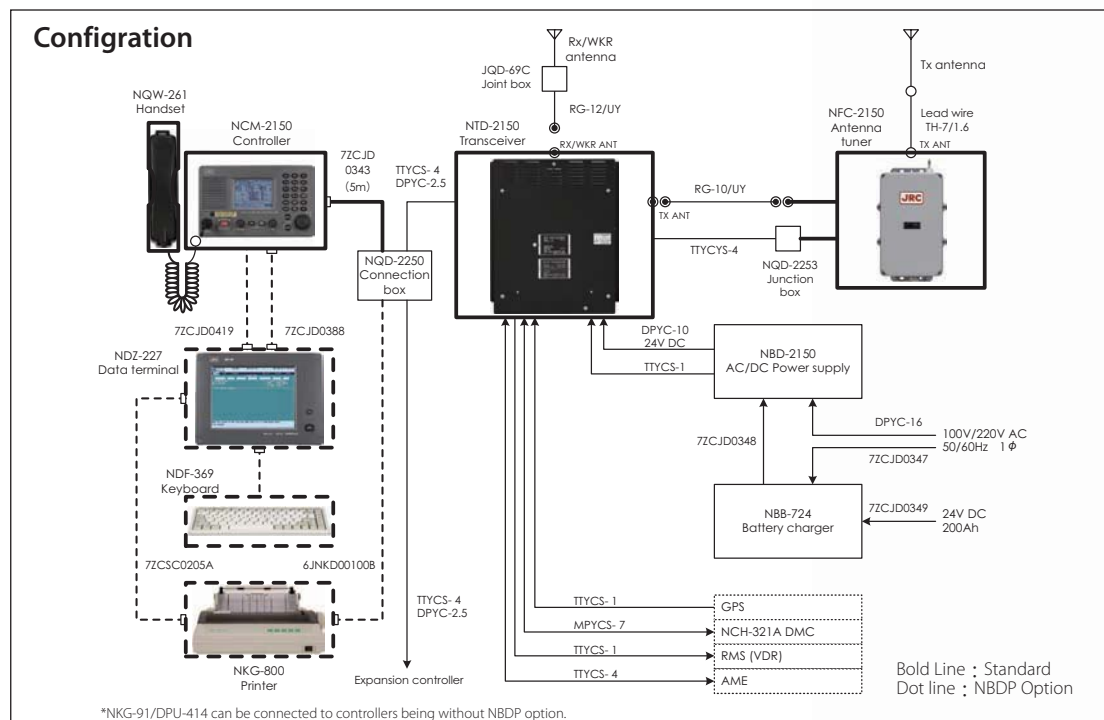
NBDP option

1. Data terminal⁴
2. Keyboard
3. Printer
4. Cables

Which cables?

Controller to Data terminal(signal)	1.5 m
Controller to Data terminal(power)	2.3 m
Data terminal to Keyboard	1.7 m
Data terminal to Printer(signal)	1.6 m
Transceiver to Printer(Power)	4.0 m

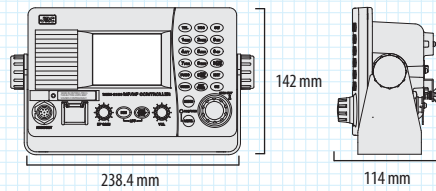
⁴ excluding bracket



MF/HF radio equipment – dimensions and mass

Dimension drawings - Controller

NCM-2150 Mass 1,3 kg

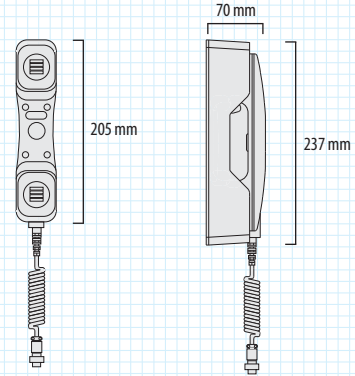


cutout for panel mount
height 122 mm, width 220 mm, depth 180 mm

*bracket is option

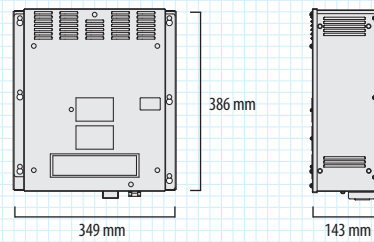
Dimension drawings - Handset

NQW-261 Mass 0,5 kg



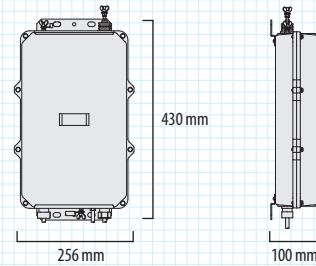
Dimension drawings - Transceiver

NTD-2150 Mass 13 kg



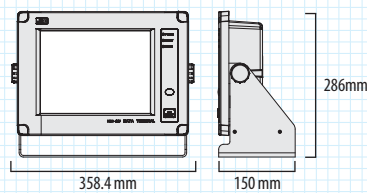
Dimension drawings - Antenna tuner

NFC-2150 Mass 3,3 kg



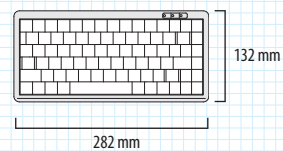
Dimension drawings - Data Terminal Equipment, Keyboard, Printer

NDZ-227 Mass 2,0 kg

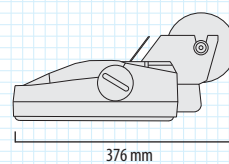
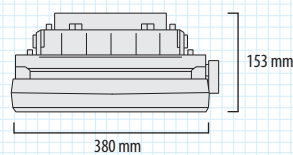


*bracket is option

NDF-369 Mass 0,4 kg



NKG-800 Mass 3,7 kg



MF/HF radio equipment – specifications

Name		MF/HF Radio Equipment
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	1722 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	21.6 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 (controller)	
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	
Controller (max 2 in configuration)	NCM-2150	
Mounting bracket for controller (flush)	MPBC42957	
Mounting bracket for controller (table)	MPBX44354	
Connection box (for second controller)	NQD-2250	
NBDP option (max 2set)	NDZ-227+NDF-369+NKG-800+7ZCJD0388+7ZCJD0419+7ZCSC0205A+6JNKD00100B	
Mounting bracket for data terminal (table)	MPBP31721	
Waterproof handset (IP66)	NQW-261	
Printer (wall, flush mount)	NKG-91 ¹	
Printer (desktop type)	DPU-414 ¹ , NKG-800	
Junction box (for antenna tuner)	NQD-2253	

JRC has several antenna solutions available

¹As for this printer, use as the NBDP printer is not admitted.

• Specifications may be subject to change without notice.

For further information, contact:



Since 1915

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