JSS-2150
MF/HF radio equipment

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

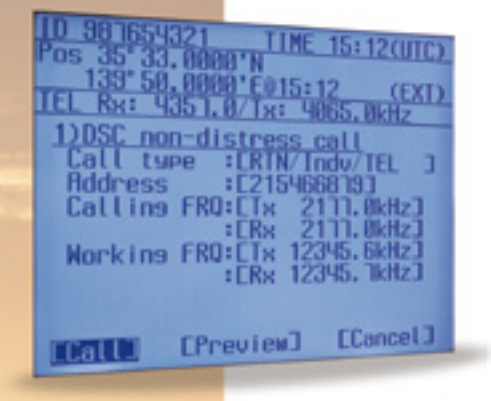
3.8–inch high visibility display
Standard 6 channel DSC built-in
Flexible black box configuration
Digital audio and integrated speaker
Easy operation with JOG dial

JRC Japan Radio Co., Ltd.

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.

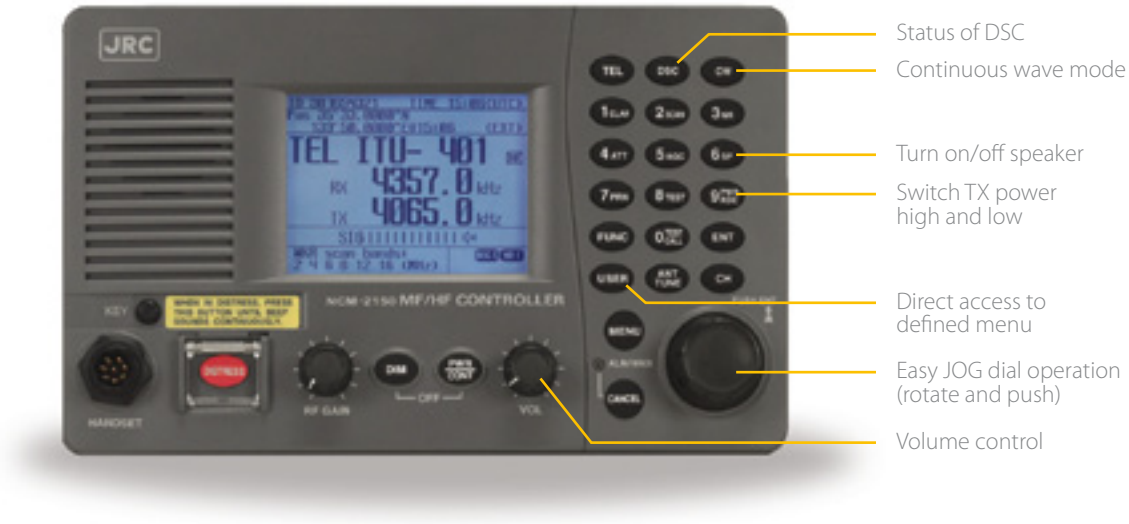
Distress alerts

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

Uniÿed 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 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 ˜ exibility

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.

Flexible interfacing

Besides connecting a printer and GPS, you can connect the MF/HF to the Remote Maintenance System (RMS[1]), 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 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).

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. Controller[2]
2. Handset[3]
3. Transceiver
4. Antenna tuner
5. Cables
6. Manual

[2] excluding bracket
[3] including cradle

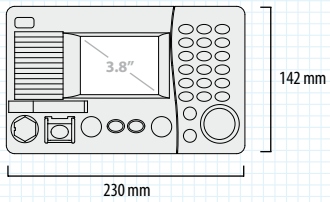
Which cables?

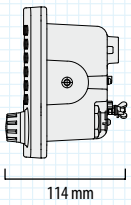
Controller to transceiver	5 m
Antenna tuner to transceiver	5 m

MF/HF radio equipment – dimensions and weights

Dimension drawings - Controller

NCM-2150 Mass 1,3 kg

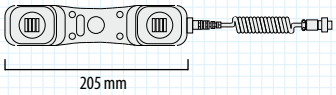


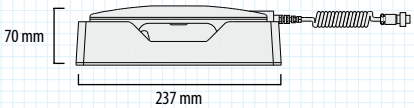


cutout for panel mount height 122 mm, width 220 mm, depth 180 mm

Dimension drawings - Handset

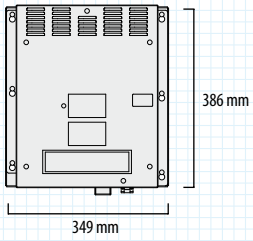
NQW-261 Mass 0,5 kg





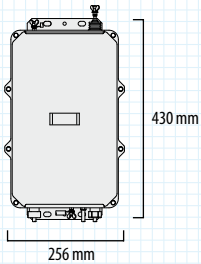
Dimension drawings - Transceiver

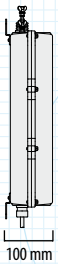
NTD-2150 Mass 13 kg



Dimension drawings - Antenna tuner

NFC-2150 Mass 3,3 kg





MF/HF radio equipment – speciÿcations

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 (8˝): °5W , handset (150˝): 1 mW or mor e
	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	50˝
	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, r eceive: °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
	Clariÿer variable range	±200 Hz (1 Hz steps)
	Line output	0 dBm 600˝ (balanc ed)
Optional items		
Power supply (AC/DC)		NBD-2150
Battery charger		NBB-724
Controller (max 2 in conÿguration)		NCM-2150
Mounting bracket for controller (˝ ush)		MPBC42957
Mounting bracket for controller (table)		MPBX44354
Connection box (for second controller)		NQD-2250
Waterproof handset (IP66)		NQW-261
Printer (wall, ˝ ush mount)		NKG-91
Printer (desktop type)		DPU-414, NKG-800
Junction box (for antenna tuner)		NQD-2253

JRC has several antenna solutions available

All speciÿcations are subject to change without notiÿcation.

For further information, contact:

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