NCR-333

Navtex receiver

- 5.7–inch high visibility display
- 3 receiving frequencies (490, 518 and 4209.5 kHz)
- User selectable font size
- Intuitive menu structure

Category

All vessel types

Deepsea

Workboats

Fishing

Yachting

jrc-world.com

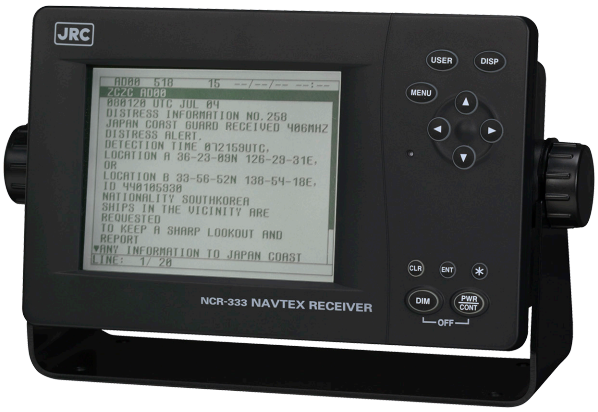
Features

The high-performance NCR-333 navtex integrates a high visibility LCD display, shares the same simple configuration as its predecessor and contributes to improved safety at sea.

- High visibility 5.7-inch LCD display
- Dimmer control
- Store up to 200 messages per channel
- 3 receiving frequencies (490, 518 and 4209.5 kHz)
- Printer output
- Printerless type
- Full meet latest IMO
- Easy operation

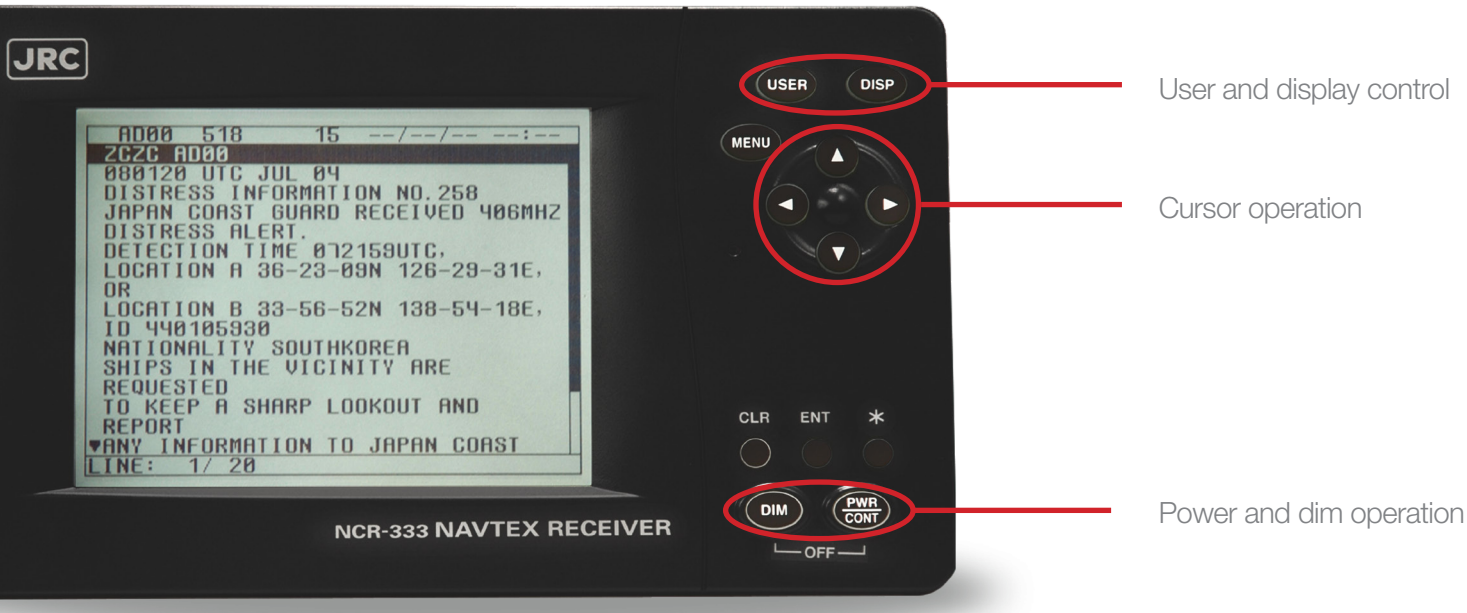
Optimised viewing

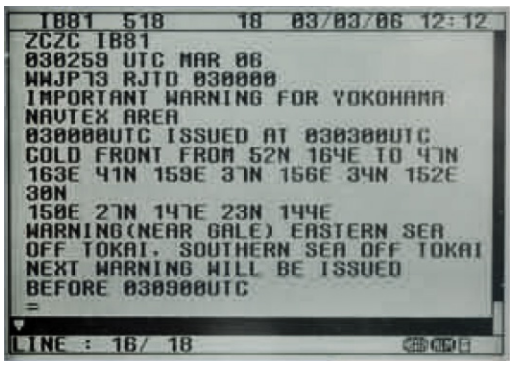
The NCR-333 integrates a high visibility 5.7-inch LCD display. You can select the character type on three different level sizes, at your own convenience. On top, JRC has included dimmer control, maximising your display preferences as optimised as possible. These functions are selectable from the menu.



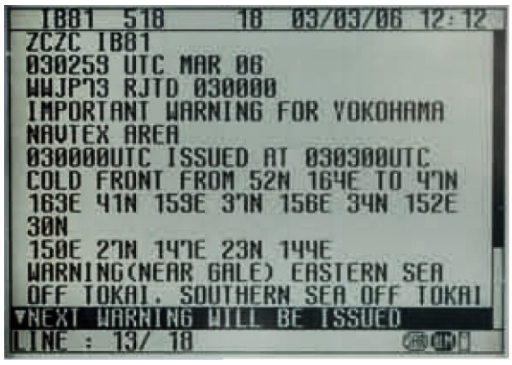
Simple operation

The compact design of the NCR-333 incorporates new intuitive interface, providing enhanced ergonomics and user friendliness. The logic of the controls and excellent on-screen menus will greatly shorten most users' learning period.

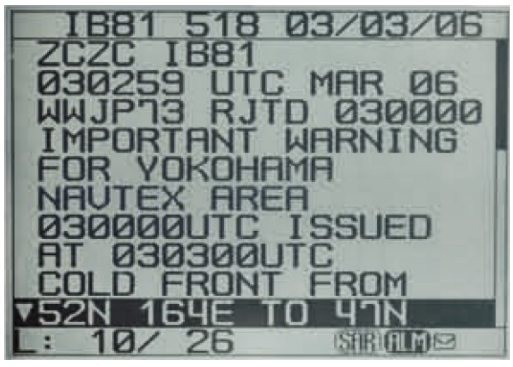




Normal (13 by 9 pixels)



Medium (16 by 9 pixels)



Large (20 by 16 pixels)

Channel reception

The NCR-333 receives navtex broadcasts on the frequency channel 518 kHz, and either on 490 kHz or 4209.5 kHz. The navtex automatically receives broadcasts on the international standard frequency 518 kHz. Local transmissions of navtex use the 490 kHz channel. The high frequency channel 4209.5 kHz is allocated for navtex broadcasts.

The NCR-333 also allows you to select and deselect certain types of information and coastal stations with the purpose of avoiding repeat broadcasts.

Message system

The navtex is an international automated service for delivery of navigational and meteorically warnings and forecasts, as well as urgent marine safety information to ships. Given that re-reading certain messages is important, the NCR-333 can store up to 200 messages per channel. These will be available after reception for the next 70 hours.

In addition, the navtex allows you to permanently store up to 50 messages, with up to 500 characters per saved message.

Intuitive menu

All received messages are sorted by order of time received. That way, you always have the most up to date broadcast on hand. Operators will easily distinguish the various types of messages based upon ID and icons. For urgent access, you can just as easily pick up a particular message and display henceforth.

Unified design

The new display design allows you to carry out all operations simply by using the unified keyboard layout. 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.

Antenna solution

JRC offers an optional, dedicated active antenna that can be connected directly to the navtex receiver. This durable, compact antenna will safeguard all your incoming messages. JRC encourages connecting this dedicated antenna to ensure dependability, however, a major advantage of JRC's navtex system, is that you can use your existing antenna in most cases, facilitating all inward messages consequently.

Flexible configuration

DPU-414

The NCR-333 is paperless, but includes the option of a printer to provide the ships log with valuable printouts if required. In order to connect JRC's proprietary printer, a dedicated power supply is needed. JRC has two types of configurations available, the DC/DC version and the AC/DC version.

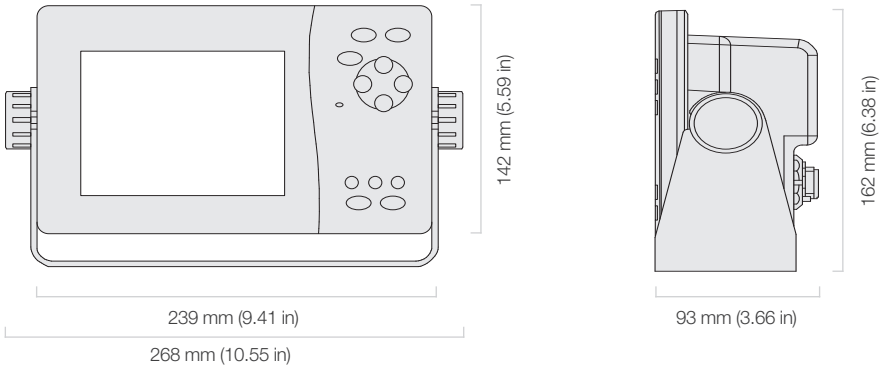
Self-diagnosis

After startup, the navtex will automatically run a self-diagnosis and will report any possible problems it might suffer, including cable breach and power problems. The results are directly shown on the screen, which you can print. You can also view up to 10 previous results. This function will allow for easy maintenance and high reliability.

Tech Specs

Navtex receiver

NCR-333 Weight Navtex: Approx. 2.1 kg (4.63 lbs)

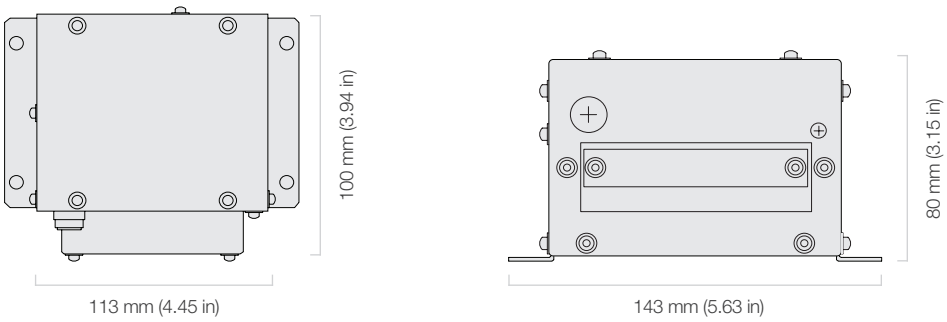


Antenna

NAW-333 Weight antenna: Approx. 0.3 kg (0.66 lbs)

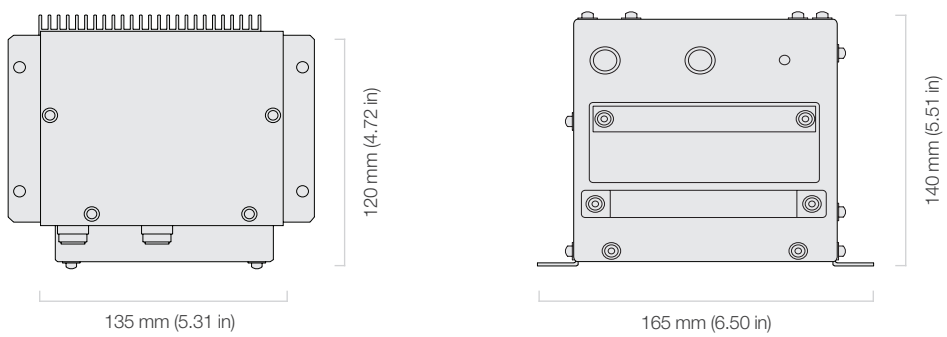
Power supply (DC/DC)

NBG-320 Weight power supply: Approx. 0.9 kg (1.98 lbs)



Power supply (AC/DC)

NBG-320 Weight power supply: Approx. 3.3 kg (7.28 lbs)



Specifications

Navtex receiver	Model NCR-333
IMO complaint	Yes

Display	
Diagonal	5.7-inch
Display	White LED backlit
Pixels	320 x 240
Dimmer	4 stages (bright, middle, dark, off)
Power supply	10.8V to 31.2V DC, <9 W
Receiving frequency	518 kHz, 490 kHz, 4209.5 kHz
Receiving modulation	F1B navtex broadcast
Sensitivity	Character error rate ≤1x10-2 ar 1uV
Antenna input	50Ω for navtex antenna
	50Ω for wire antenna
	High impedance for wire antenna
Message log	Stores last 200 message (every channel)
	Saves up to 50 messages (every channel)
	Stores messages up to 70 hours
	50Ω for wire antenna
	High impedance for wire antenna
External interface	2 serial ports (printer, INS)
Operating temperature	-15° to 55°C
Storage temperature	- 25° to 75°C
Waterproof	IPX2

Optional items	

Antenna	NAW-333
Receiving frequency	518 kHz, 490 kHz, 4209.5 kHz
Bandwidth	504 kHz ±20 kHz, 4209.5 kHz ±100 kHz
Consumption current	6.5V DC, 23mA
Impedance	50Ω
Temperature	-25° to 55°C

Power supply (DC/DC)	NBG-319
Input voltage	10.8V to 35V DC
Output voltage	10.8V to 35V DC
	Typ. 6.5V DC ±10% (external printer)
Maximum current	1.5A (12V to 24V DC), 2A (6.5V DC)

Power supply (AC/DC)	NBG-320
Input voltage	100-120V to 200-220V DC ±10%
	50/60 Hz single phase
	24V DC +30% -10% (backup power supply)
Output voltage	12V DC ±10%
	Typ. 6.5V DC ±10% (external printer)
Maximum current	1.5A (24V DC), 2A (6.5V DC)

Printer (table mount)	DPU-414

Printer (flush mount)	NKG-91

Navtex buzzer	CGC-300B

In the box

• Display*	NCR-333
• Antenna cable (0.5 m)	7ZCJD0251
• Operation card	7ZPJD0306B
• Instruction manual	7ZPJD0304E

* including bracket

Optional

• Antenna	NAW-333
• Printer	DPU-414
• Flush mount bracket	MPBC50310
• AC/DC Power Supply Unit	NBG-320
• DC Power Supply Unit	NBG-319
• Distress Message Controller (DCM)	NCH-321A
• External buzzer	CGC-300B
• External buzzer connection kit	7ZXJD0074

www.jrc-world.com

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