

JUE-250 FleetBroadband



– JRC introduces industry-changing solutions for the next-generation FleetBroadband communication service

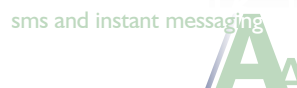
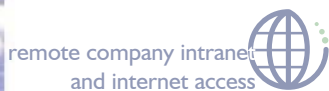
upgrade path™ to JRC Fleet F33
reliable broadband data and voice
dedicated compact solution
cost-effective performance and flexibility
takes your vessel into future standards

JUE-250 FleetBroadband

– performance features

Unique features

- The JUE-250, a pioneering next-generation satellite communication terminal delivering the most advanced maritime service available, packed into the industry's smallest dimensions and fully contributes to the operational efficiency of vessel and crew.



Meet the challenges with FleetBroadband

FleetBroadband gives you faster, more cost-effective access to data services, offering seafarers an affordable entry to the world of Fleet digital communications while giving your vessel a range of millions of square miles. It is more powerful than any solution on the market, allowing you to have the power to reach peak performance and gain a competitive edge.

Simultaneous access

This next-generation service offers unparalleled range of services to suit all types and tonnages of vessels, providing simultaneous voice and broadband data through a compact antenna on a global base. Its simultaneous voice and data capability allows running online operation systems, while you still have access to email, intranet and make voice calls.

Cost-effective service

With FleetBroadband, performance and flexibility don't come at a high price. If you already use the JRC Fleet F33, you can use our dedicated upgrade path™, exclusively by JRC, to obtain the toughest communication link in the business, or a complete package to meet these future Inmarsat standards. It will make global voice and broadband data service more accessible than ever before, enabling you to achieve greater operational efficiencies and significantly reducing the costs of crew communications.

Optimal connectivity

Enhanced connectivity, based on 3G standards, provides constant, simultaneous access to voice and high-speed data in a compact solution, designed specifically for the marine environment.

Standard IP for email, internet and intranet access via a secure VPN connection, at speeds up to 284kbps and **streaming IP** guarantees data rates on demand up to 128kbps.

JUE-250 FleetBroadband

– developed for maximum ease of use

Upgrade path™ – exclusively by JRC

The existing JUE-33 Inmarsat JUE-33 is fully compatible and specifically designed to meet the industry-changing FleetBroadband services, making it only necessary to replace the terminal, rather than obtaining a complete new set. This unique, cost-effective feature will provide seamless ocean coverage from 76° North to 76° South – all via a single terminal upgrade!

Flexible interfacing

JRC's JUE-250 terminal is developed upon maximum flexibility, featuring a reliable industry standard interfacing field. This full featured below deck unit enables users optimal connectivity, no matter what your position or the conditions at sea.

Delivered via the most advanced communications satellites ever launched, you can be sure that you are choosing a stable platform for the future.



Ethernet connection

LAN connection

USB connection

Dedicated JRC handset

TEL/FAX lines RJ 11

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.



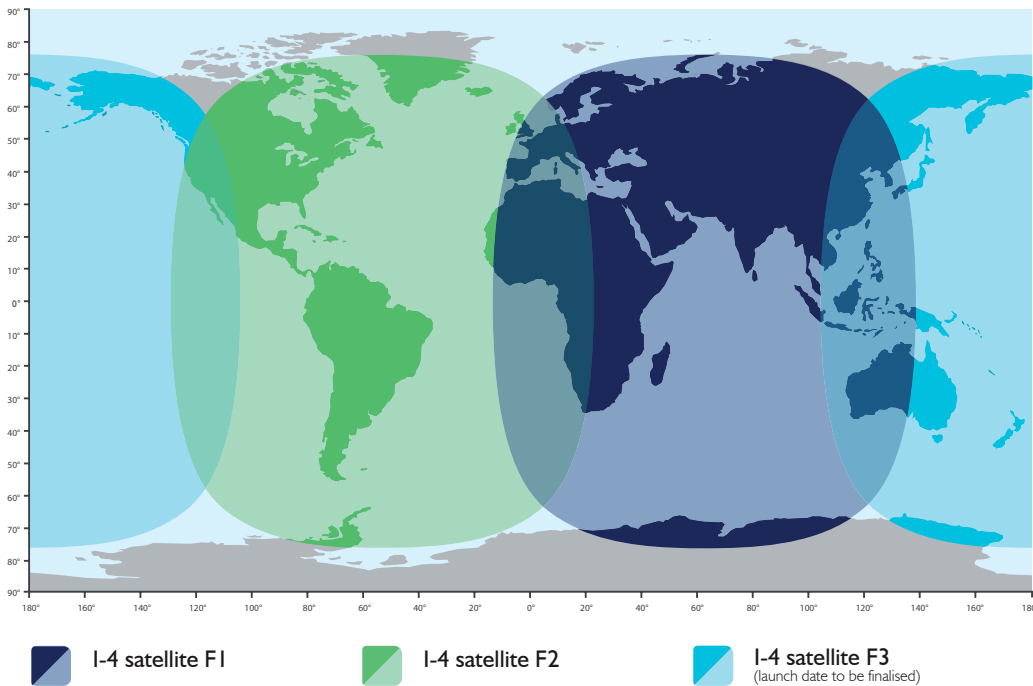
ct for keeping in touch with home

JUE-250 FleetBroadband – coverage and flexibility

Inmarsat and JRC, strong together!

Inmarsat have been the leading communication provider of satellite services industry for nearly 30 years, playing an integral role in the lives of seafarers. The Inmarsat Fleet services and JRC terminals have become the standard for deep-sea ships. Now, Inmarsat enhances its maritime portfolio with the launch of FleetBroadband and together with JRC's next-generation solution we CAN deliver reliable communications and safety service, contributing to the operational efficiency of vessel and crew.

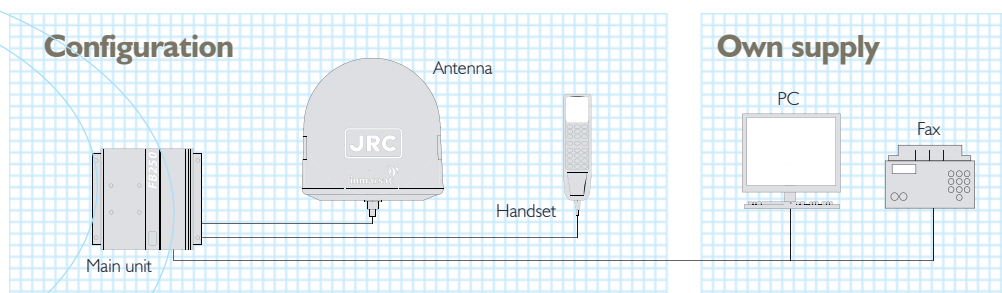
● FleetBroadband coverage



The map depicts Inmarsat's expectations of coverage, but does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions. The launch date of the F-3 satellite will be determined in due course. FleetBroadband coverage May 2007.

Total system flexibility

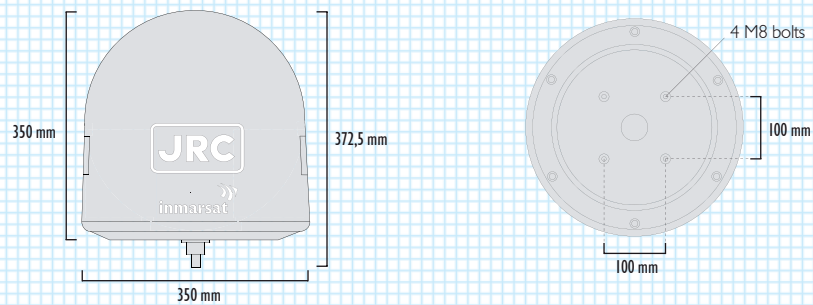
JRC's JUE-250 is a dedicated compact solution shares the same simple configuration as the Fleet F33, allowing for an easy setup. This concept also reduces the installation costs as only a single cable will be used between antenna and below deck unit. This next-generation service is for new building and retrofit market, both applicable as full version and upgrade path™. It is also possible to connect your own supplied hardware, such as computer and fax.



JUE-250 FleetBroadband – dimensions and weights

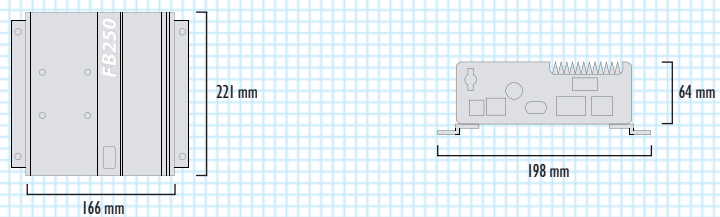
Dimension drawings - Antenna

GSC-431 Weight 7,4 kg

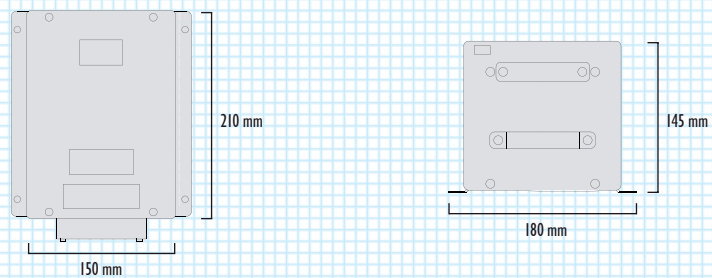


Dimension drawings - Main unit, Power supply

??-??? Weight 4 kg



NBD-577C¹ Weight 5,4 kg



¹optional

Dimension drawings - Handset

NQW-248 Weight 0,5 kg



JUE-250 FleetBroadband

– specifications

Model		JUE-250
Inmarsat type approved		✓
Frequency		
Transmit		1626.5MHz - 1660.5MHz
Receive		1525.0MHz - 1559.0MHz
Communication		
Voice		4kbps and digital 3.1kHz audio
Fax		group 3 fax via 3.1kHz audio
Data		standard IP: 284kbps streaming IP: 128kbps
SMS		standard 3G (up to 160 characters)
Antenna		
Type		flat diameter 30cm (approx)
Polarisation		right-hand circular
Beam width		30° at 3dB down
Pointing		electrical beam tracking with 3-axis stabilisation
Enclosure		AES radome (diameter 0.35m)
Primary power		
Voltage		DC 24V (-20% +30%)
Consumption		[120VA] max
Environmental conditions		
Ambient condition		temperature: above deck -25°C +55°C temperature: below deck -15°C +55°C
Relative humidity		+40°C up to 95%
Icing		up to 25mm
Precipitation		up to 100mm/hour
Wind		up to 100 knots in operation up to 120 knots in survival
Vibration		as specified in IEC60945
Coverage		
Azimuth		360°
Elevation		5° to 90°
Ship's motion		
Roll		±30°/8 sec
Pitch		±30°/6 sec
Yaw		±8°/50 sec
Surge		±0.2°
Sway		±0.2°
Heave		±0.5°
Turning rate		6°/sec
Headway		30 knots
Tuning		1.25kHz
E.I.R.P.		+15.1dBW +1/-2dB
G/T		-15.5dB/K or more
Optional items		
Power unit		NBD-577C

All specifications are subject to change without notification.

For further information please contact:



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