

# JUE-95LT Inmarsat C LRIT

## – specifications

### What's standard in the box?

- |                                |                          |      |
|--------------------------------|--------------------------|------|
| 1. Antenna                     | <b>Which cables?</b>     |      |
| 2. Terminal                    | Antenna to terminal      | 30 m |
| 3. Antenna installation parts  | Power supply to terminal | 2 m  |
| 4. Terminal installation parts |                          |      |
| 5. Cables                      |                          |      |
| 6. Spare parts                 |                          |      |
| 7. Manual (English)            |                          |      |

Model	JUE-95LT
IMO type approved	✓
Class of Inmarsat C MES	Class 1
<b>Terminal and antenna</b>	
Model – terminal	NTF-782LT
Model – antenna	NAF-742LT (including pole mounting bracket)
Frequency	TX 1626.5MHz - 1646.5MHz RX 1530.0MHz - 1545.0MHz
Channel spacing	5KHz
G/T	-23.7dB/K minimum at 5° angle
E.I.R.P.	+7 to +16dBW
Modulation	TX and RX: 1200 symbols/sec <sup>1)</sup> BPSK
Data rate	TX: 600bps RX: 600bps
Antenna	type: helical pattern: hemisphere (non directional) polarisation: right hand circular
Transmission message	up to 8kb
Message storage	80kb (Inmarsat C 40kb)
Power supply voltage	DC 24V (+30% -20%)
Power consumption	TX 75W, RX 15W (terminal and antenna)
Ambient condition	antenna: -35°C +55°C terminal: -15°C +55°C
Preservation temperature	-40°C +80°C
Relative humidity	+40°C up to 95%
Icing	up to 25mm (antenna)
Precipitation	100mm/hour (antenna)
Wind	up to 100 knots
Vibration	as specified by Inmarsat
<b>Optional items</b>	
Power supply (AC/DC)	NBD-577C
Earth bolt (for antenna)	MTL318538A

<sup>1)</sup> Binary Phase Shift Keying

• Specifications may be subject to change without notice.

For further information, contact:

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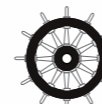
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27EM ISO9001, ISO14001 Certified

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# JUE-95LT

## Inmarsat C LRIT



Complies with latest IMO regulations according to MSC.202(81), SOLAS V 19-1.

– JRC's new LRIT system will easily and accurately provide all key information to improve the safety of life at sea

- Compact antenna design**
- Easy installation**
- Built-in GPS receiver**
- Low cost of ownership**
- Fully meets IMO requirements for LRIT**

**JRC** *Japan Radio Co., Ltd.*

# JUE-95LT Inmarsat C LRIT – performance features

## Unique features

- The JUE-95LT is a simple-to-install stand alone system that will easily and accurately transmit key information to improve the safety of life at sea.

## LRIT

Long Range Identification and Tracking (LRIT) is an IMO required global monitoring system of the ship's movements. The purpose of LRIT is to increase maritime domain awareness and to improve maritime security.

## Background

Ships sailing under the flag of a country that signed up to the International Maritime Organisations' Safety of Life at Sea (SOLAS) convention must comply with new LRIT requirements from 2009 onwards. From this date, vessels must automatically transmit their identity and position, including date and time, at 6-hourly intervals.

Additionally this system must be able to respond to requests from member states and LRIT data centres for immediate position reports and be able to change the time interval between reports to a maximum frequency of every 15 minutes.

## 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.

# JUE-95LT Inmarsat C LRIT – system flexibility

## Upgrade solutions

We will not just have a stand alone version available, but LRIT will be integrated as standard on new JUE-85 Inmarsat C terminals. And those who are using the JUE-85 terminal already, or a previous version (JUE-75C/A), JRC offers dedicated upgrade solutions to conform the latest standards.



## Who's it for?

The following ships (engaged on international voyages) are required to implement LRIT,

### Type of ships

- All passenger ships, including high speed craft
- Cargo ships, including high speed craft of 300 gross tonnage and above
- Mobile offshore drilling units

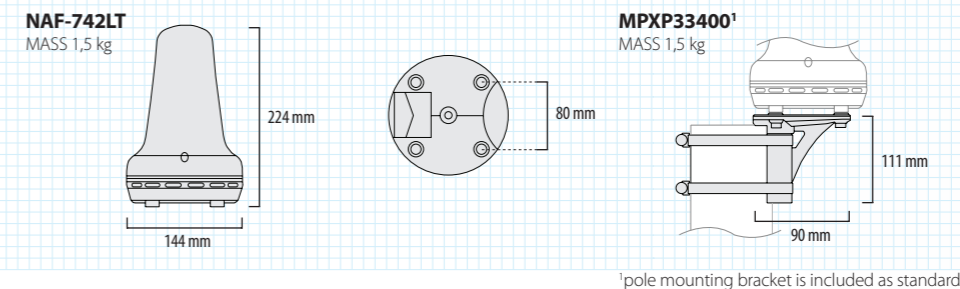
### SOLAS-V 19-1

- Ships constructed **after 31 December 2008**
- Ships constructed before 31 December 2008 and certified for operation
  - 1) in A1, A2 or A1, A2, A3 sea area – first survey **after 31 December 2008**
  - 2) in A1, A2, A3, A4 sea area – first survey **after 1 July 2009**
- Except for ships in A1 sea areas, equipped with AIS

## Flexible installation approach

The JUE-95LT system has the same cable management philosophy resembling all other Inmarsat products that JRC is offering, allowing for an easy installation as only a single coax cable is used between antenna and terminal. Both are very compact and can be easily installed on any size and type of vessel.

### Dimension drawings - Antenna, Pole mounting bracket



### Dimension drawings - Terminal

