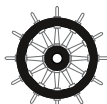


# JUE-95LT

## 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**

# 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. Read further on our website.



## 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

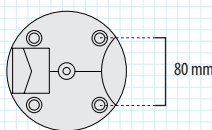
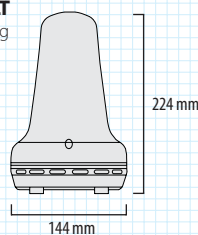
- Ships constructed **after 31 December 2008**
- Ships constructed before 31 December 2008 and certified for operation
  - 1) in A1, A2 or A1, A2, A3 sea area – first survey **after 31 December 2008**
  - 2) in A1, A2, A3, A4 sea area – first survey **after 1 July 2009**
- Except for ships in A1 sea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

## Flexible installation approach

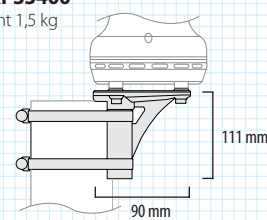
The JUE-95LT system has the same cable management philosophy resembling all other Inmarsat products that JRC is offering, allowing for an easy installation as only a single coax cable is used between antenna and terminal. Both are very compact and can be easily installed on any size and type of vessel.

### Dimension drawings - Antenna, Pole mounting bracket

**NAF-742LT**  
Weight 1,5 kg



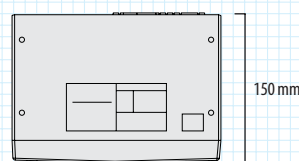
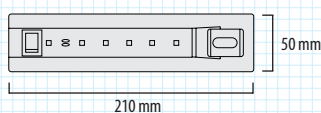
**MPXP33400<sup>1</sup>**  
Weight 1,5 kg



<sup>1</sup>pole mounting bracket is included as standard

### Dimension drawings - Terminal

**NTF-782LT**  
Weight 1,3 kg



# 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
Terminal and antenna		
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 1) 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, ECG 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	
Optional items		
2) Power supply (AC/DC)	NBD-577C	
2) Power supply (AC/DC)	NBD-843A	
Earth bolt (for antenna)	MTL318538A	

1) Binary Phase Shift Keying 2) Check power requirements with ship's authorities

All specifications are subject to change without notification.

For further information please contact:



**Japan Radio Co., Ltd.**

JRC  
 Cessnalaan 40-42  
 1119 NL, Schiphol-Rijk, The Netherlands  
**T** +31 20 6 580 750  
**F** +31 20 6 580 755  
**E** sales@jrceurope.com  
**W** www.jrceurope.com