

JRC



Fleet F77

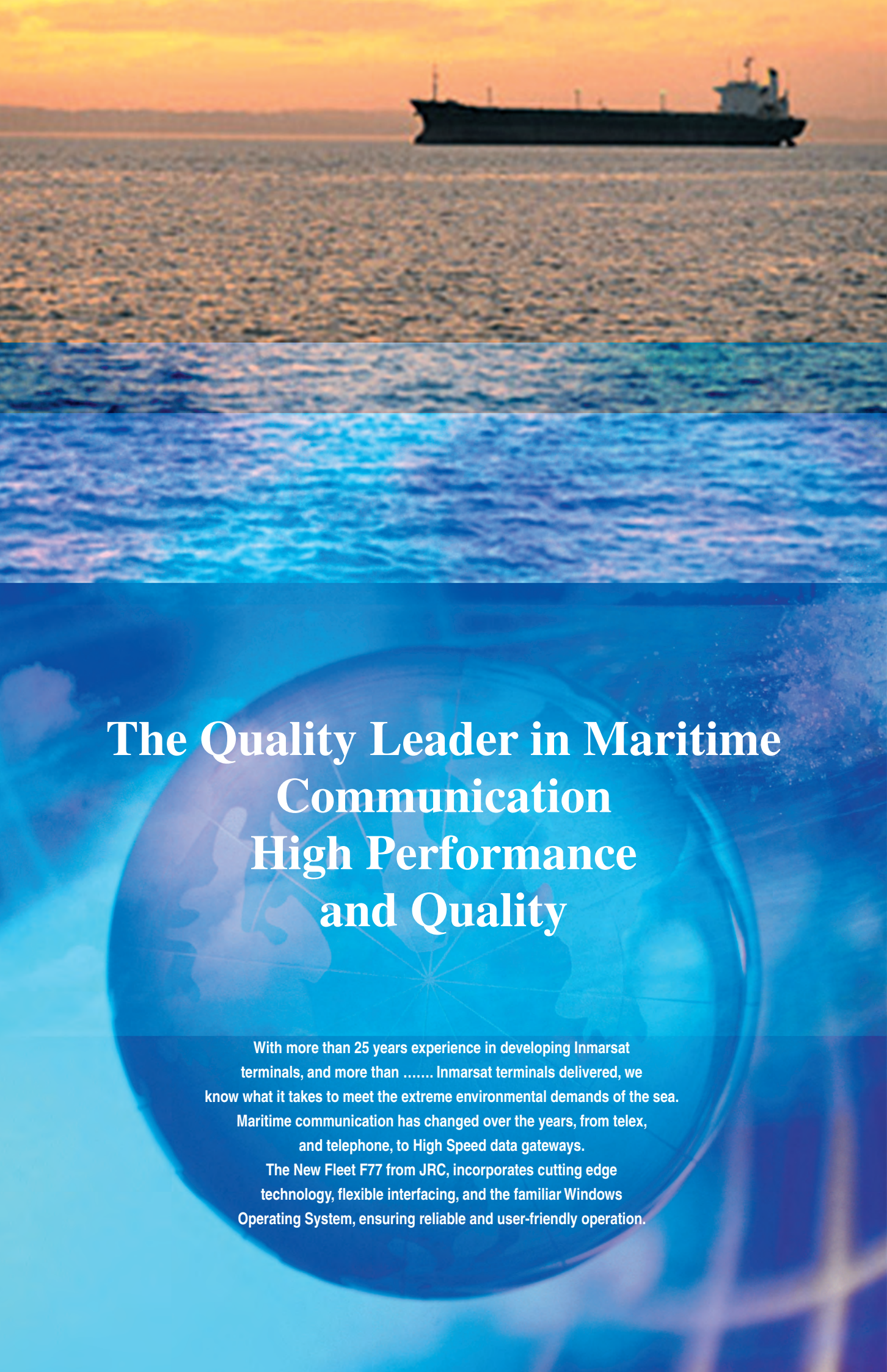
Maritime Satellite Communication Terminal

JUE-410F

Inmarsat Certification No. 66JR01



Japan Radio Co., Ltd.



The Quality Leader in Maritime Communication High Performance and Quality

With more than 25 years experience in developing Inmarsat terminals, and more than Inmarsat terminals delivered, we know what it takes to meet the extreme environmental demands of the sea. Maritime communication has changed over the years, from telex, and telephone, to High Speed data gateways.

The New Fleet F77 from JRC, incorporates cutting edge technology, flexible interfacing, and the familiar Windows Operating System, ensuring reliable and user-friendly operation.

Advanced functions for networking are integrated in compact design.



The JUE-410F's all-in-one design provides superior quality, easy installation, user-friendly operation and heavy-duty construction.

The Fleet F77 JUE-410F maritime satellite communication terminal station is designed according to JRC's proven high quality standards.

It is user-friendly, easy to install, and the antenna is the most rugged in the Inmarsat market. JUE-410F provides voice (normal and high quality), G3 & G4 FAX, up to 64Kbps MPDS (Mobile Packet Data Service) communication, and up to 64Kbps HSD (High-Speed Data) communication, as standard.

Advanced Features;

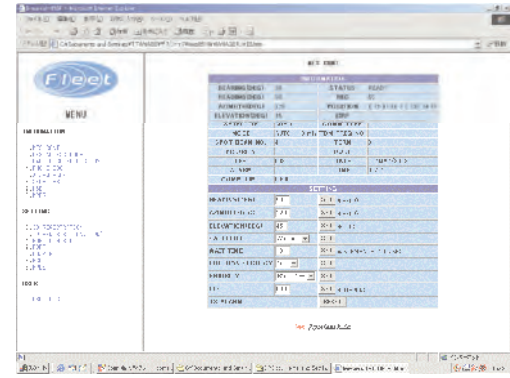
- ◆ "All-in-one" design, including a comprehensive line of interfaces for high flexibility in operation.
- ◆ Modern user-friendly windows based operation.
- ◆ JRC's unique design of antenna (ADE : Above Deck Equipment), recognized for very high reliability.
- ◆ The BDE (Below Deck Equipment) comes with AC power supply as standard.
- ◆ Dedicated mechanical / electrical interfaces for upgrading from Inmarsat-A/B to Fleet F77.
- ◆ Voice Distress Communication (Distress button protected from unintended transmission with cover).

Interface & Operation

Networking support with a variety of interfaces

JRC's JUE-410F is the world's first Inmarsat Fleet Mobile Terminal with built-in Ethernet interface. The new Fleet F77 incorporates a wide range of standard interfaces, such as Ethernet, RS-232 serial, and ISDN. These interfaces allow flexible on-board networking. Built-in Web Server function enables easy operation by PC.

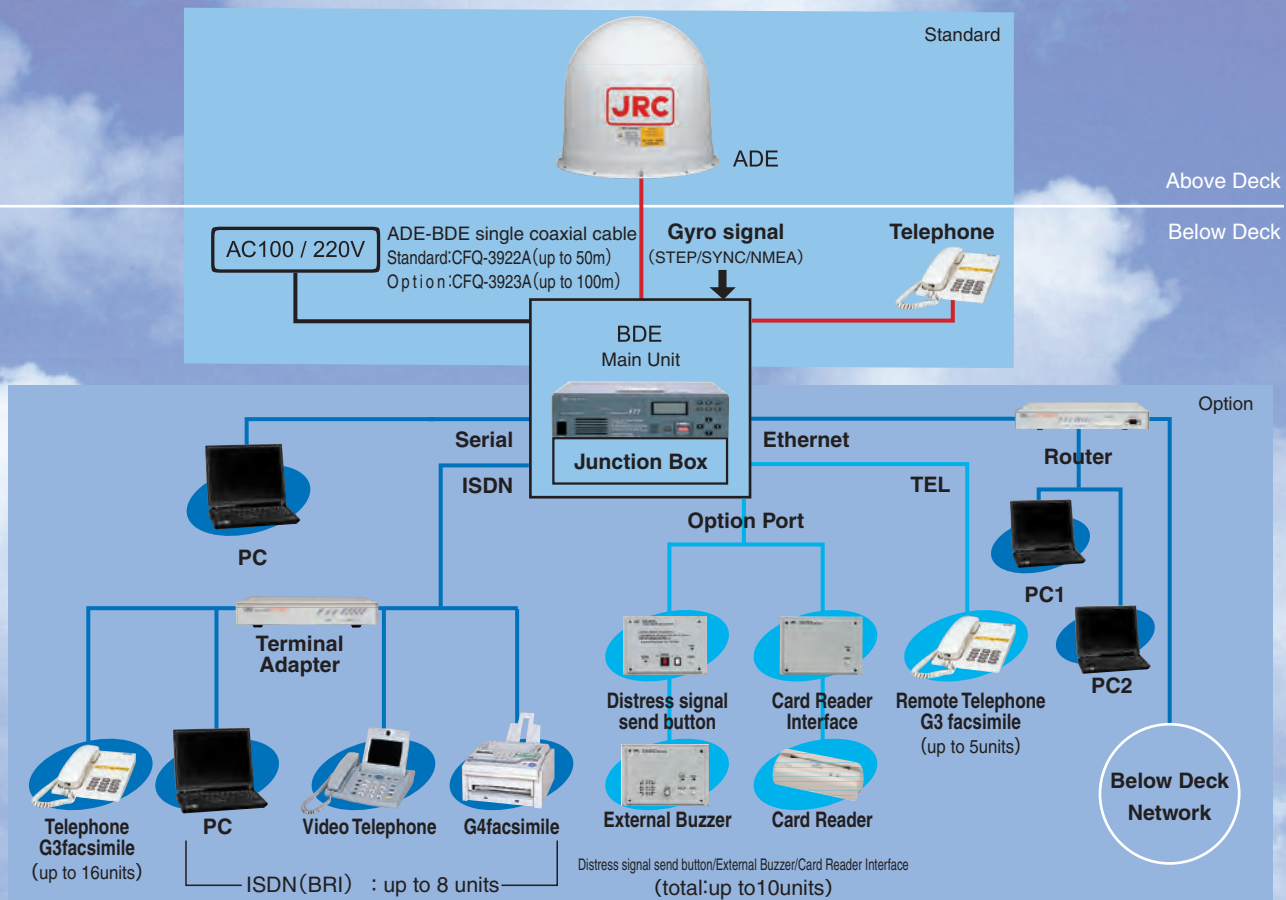
- ◆ Easy to connect PC with standard interfaces like Ethernet and RS-232.
- ◆ Easy access to Internet with built-in terminal adapter.
- ◆ Easy web access operation with built-in web server function.



Operation Screen

● CONNECTION DIAGRAM

- : Standard
- : Option
- : User supply



High Reliability

JRC's Unique Antenna Design

JRC's JUE-410F ADE is designed using the latest structural design methodology, incorporating analysis from ship's motion and vibration data, collected from a wide range of vessels. JRC's long established experience in Inmarsat antenna design – dating back to the late 70's – has resulted in:

- ◆ High reliability antenna for merchant vessels to middle-small size fishing boats.
- ◆ Easy installation by connecting the ADE and BDE with one coaxial cable. (Up to 100m)

High-Speed Data Services

Two types of high-speed data service

JRC's JUE-410F supports two types of 64Kbps data service. Mobile Packet Data Service (MPDS) and High Speed Data Service (HSD). By selecting the appropriate service it enables you to use the most cost effective solution for any kind of communication.

- ◆ HSD : Digital image transmission, Videophone, Chart Collection, etc.
- ◆ MPDS : Web browsing, Emailing, Chat communication, etc.



World-wide Support

With reliable JRC customer support

The JUE-410F is equipped with a self-diagnostics function making troubleshooting and repair simple. JRC's service network can analyze the failure by using a self-diagnostics data, providing fast, reliable response. JRC's worldwide support network with 60 countries and 165 ports guarantees strong support.

Major Specifications

●Frequency range

Transmit : 1626.5~1660.5MHz
Receive : 1525.0~1559.0MHz

●Channel spacing: 1.25KHz

●E.I.R.P.: +32 +1/-2 dBW Max.

●G/T: -4dB/K or more

●Modulation

BPSK : 3Kbps O-QPSK: 4.8Kbps
16QAM : 64Kbps

●Antenna

Type : 0.89m ϕ parabolic
Polarization : Right -hand circular
Beam : 15° at 3dB down
Enclosure : 1.38m ϕ radome

●Shipmotion compensation

Roll +/-30deg./8sec
Pitch +/-10deg./6sec
Yaw +/-8deg./sec, Turning +/-6deg./sec

●Primary power

Voltage : AC100/110,200/220V $\pm 10\%$
Frequency : 50/60Hz $\pm 6\%$
Power Consumption : 200VA

●Environmental conditions

Temperature : -25~+55°C(ADE)
-15~+55°C(BDE)
Humidity : Up to 95%
(40°C Relative)

Standard Components

Above Deck Equipment (ADE)
Below Deck Equipment (BDE)
Telephone
ADE-BDE single coaxial cable (Cable length: 50m)

Standard Functions

Voice (4.8K Voice/64K Speech)
Data (64K/56K UDI, MPDS)
Facsimile (64K Audio:G3, 64K UDI:G4)

JRC Supplied :

Remote telephone
G3 facsimile
Buzzer box
Voice distress button
Card reader
Card reader interface
Wide band RF interface

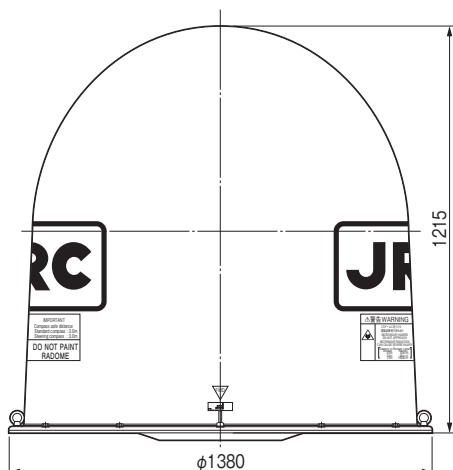
Options

User :

Personal Computer (WindowsXP/2000)
G4 facsimile
Terminal Adapter
Router
Video Phone etc.

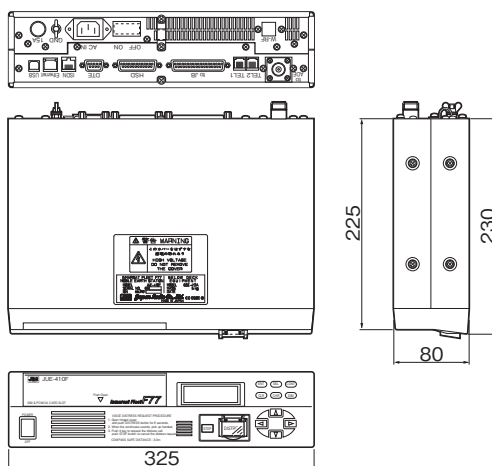
Dimensions & Weight

●Above Deck Equipment(ADE)



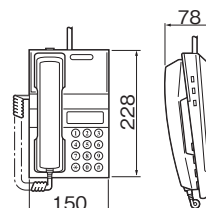
Mass: 80kg approx.

●Below Deck Equipment(BDE)



Mass: 5kg approx.

●Telephone



Mass: 0.7kg approx.

CAUTION

- Read the Instruction Manual before your use for safety in operation.
- Do not install this equipment in a place with water, wetness, vapor, dust and oily smoke. Otherwise, a fire, electric shock or failure may result.
- For the installation work for this equipment, request to JRC agents or dealers. The installation work done by any non-specialist personnel may result in an electric shock or failure.
- The specification and appearance of the equipment may be subject to change without notice.

●Specifications may be subject to change without notice.

For further information, contact:



Since 1915

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