

JRC TWO-WAY VHF RADIOTELEPHONE ON-BOARD COMMUNICATION EQUIPMENT



JHS-7

Designed in compliance with the GMDSS carriage requirements under the latest SOLAS.

The JHS-7 is a hand-held portable VHF radiotelephone for on-scene, life-saving two-way communication between survival craft, between survival craft and ship, and between ship and rescue boat in accordance with SOLAS convention.

The JHS-7 is of heavy duty design for use in maritime severe conditions and equipped with 13 single-frequency voice channels including Channel 16 (156.800 MHz.), providing 0.25 to one watt of transmitted power. This equipment can be used as an on-board communication equipment.



■ FEATURES

- **Thirteen Operating Channels**
Thirteen single-frequency voice channels are provided including Channel 16 for calling and safety which can also be selected easily by an independent switch.
- **Heavy Duty Design**
The JHS-7 is designed to operate normally for 8 hours in extremely severe operating conditions.
- **Single-Handed Operation**
The control knobs and switches are in an easy-to-operate arrangement to ensure single-handed operation.
- **Mechanical Ruggedness**
The JHS-7 is designed to withstand a 1-m drop onto a hard surface.
- **Watertightness**
The JHS-7 is designed to be waterproof to ensure its normal use even in rainy or water splash conditions.
- **Sunlight resistance**
If the JHS-7 is long exposed to the sunlight, it will not be damaged because it is composed of specially selected components and materials.
- **Low Power Consumption**
The JHS-7 is designed to minimize its power consumption and to maximize its operating time. Its sleep mode technique ensures more than 8 hours of its operation time.
- **High Reliability**
Highly reliable ICs, transistors, LEDs and other surface-mount devices are used.
- **Stable Operation**

MPT JAPAN TWO-WAY RADIOTELEPHONE APPARATUS

APPROVED TYPE LPS5NM-0.8-13-1

A APPROVAL NO. L91001

APPROVAL DATE Apr.5,1991

MPT JAPAN ON-BOARD COMMUNICATION EQUIPMENT

APPROVED TYPE FFM3NM156.3/156.9-0.8F3E13-1

APPROVAL NO. F91016

APPROVAL DATE Apr.8,1991

MOT JAPAN TWO-WAY RADIOTELEPHONE APPARATUS

TYPE APPROVAL NO. 3463

APPROVAL DATE Mar.20,1991



Japan Radio Co., Ltd.

■ SPECIFICATIONS

● GENERAL

Standard:	IMO Res.A.569(14), A.605(15); Radio Regulations Appendices 18 and 19
Operating channels:	CH 16 (156.800 MHz) CH 6 (156.300 MHz) CH 13 (156.650 MHz) CH 15 (156.750 MHz) CH 17 (156.850 MHz) CH 67 (156.375 MHz)
Optional channels:	Seven simplex channels selectable from a range of 156.300 to 156.875 MHz
Channel spacing:	25 kHz
Channel selection:	CH 16 - by one-touch selector switch Other CHs - by a rotary dial knob
Local oscillator:	PLL frequency synthesizer
Frequency stability:	Within 10 ppm (TX)
Communication mode:	Simplex
Class of emission:	G3E/F3E
Type of antenna:	Vertical, omnidirectional type integrated antenna
Operating time:	More than 8 hours at the duty cycle of 1: 9
Integrated battery:	7.2 VDC, 1000 mA·H
Operating temperature:	-20° to +55°C

● TRANSMITTER

Effective radiated power:	0.25 to one watt
Type of modulation:	Variable reactance frequency modulation
Frequency deviation:	±5 kHz max.
Pre-emphasis:	6 dB (+1 dB, -3 dB)/octave
AF harmonic distortion:	Better than 10 %

● RECEIVER

Receiving system:	Double superheterodyne
AF output power:	200 mW or more at 10 % THD
De-emphasis:	-6 dB (+1 dB, -3 dB)/octave
Maximum usable sensitivity:	+6 dB μ V or less (20 dB noise quieting)
Selectivity:	12kHz or more at 6dB attenuation 25kHz or less at 70dB attenuation
Frequency Stability:	Better than 0.001%
Spurious response rejection:	70 dB or more
Intermodulation response:	70 dB or more
Blocking:	90 dB μ V or more

Specifications subject to change without notice.

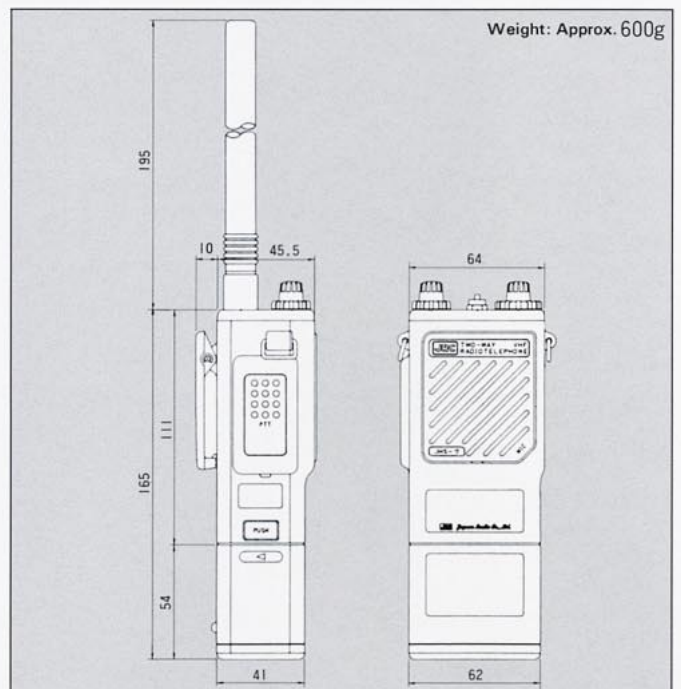
■ STANDARD COMPONENTS

Item	Model	Q'ty	Remarks
Radiotelephone	JHS-7	1	Incl. antenna and battery
Battery Pack	NBB-389	1	
Carrying Strap	MPXP02384	1	
Test Data		1	
Instruction Manual		1	

■ OPTIONS

Item	Model
Battery Charger	NBA-4141
Battery Pack	NBB-248
Earphone	6UMJD00004
External Speaker Microphone	6UMJD00029
Carrying case	MPXP02368
Ledge for three Battery chargers (Horizontal type)	NZB-90
Ledge for four Battery chargers (Horizontal type)	NZB-91
Ledge for five Battery chargers (Horizontal type)	NZB-92
Ledge for three Battery chargers (Vertical type)	NZB-93
Ledge for four Battery chargers (Vertical type)	NZB-94
Ledge for five Battery chargers (Vertical type)	NZB-95

■ OUTLINE DRAWING



For further information, contact:



www.mackaymarine.com

marinesales@mackaymarine.com
+1 281 479 1515

service@mackaymarine.com
+1 281 478 6245



Japan Radio Co., Ltd.

Since 1915 JRC Homepage <http://www.jrc.co.jp/>

Main Office: Akasaka Twin Tower(Main), 17-22, Akasaka 2-chome, Minato-ku, Tokyo 107-8432, JAPAN
Telephone: Tokyo(03)3584-8788, 8833

Facsimile: Tokyo(03)3584-8757

Telex: 2425420 JRCTOK J Cable: JAPANRADIO TOKYO

Overseas Branches : Seattle, London

Liaison Offices : Kaohsiung, Manila, Bangkok, Singapore, Jakarta, New Delhi, New York, Rotterdam, Piraeus, Las Palmas



ISO 9001

Certificate No. JQA-0591

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