

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
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: Ni-Cd battery (7.2 VDC, 1000 mAh)
NiMH battery

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: -6dB (+1 dB, -3 dB)/octave

Maximum usable sensitivity: +6dB μ V or less (20dB 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 may be subject to change without notice.

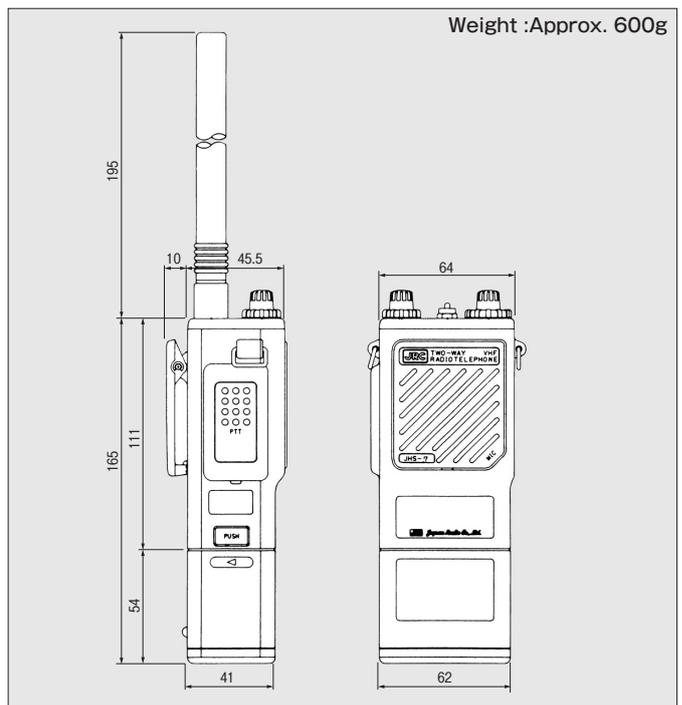
■ STANDARD COMPONENTS

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-248A
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:



Since 1915

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ISO9001, ISO14001 Certified