

VHF Radiotelephone

JHS-800S Inland

ALPHATRON
Marine



- Automatic VHF channel adjustment by Block Channel Function
- 5-inch high-brightness color LCD touch display
- Bluetooth® interface for wireless speaker microphone
- New designed speaker and handset offering Hi-Fi audio



Category



Inland



Workboats

Features |

Our new 5-inch touch screen controlled Class A VHF radio (JRC model JHS-800S) featuring a uniform, corporate design with manual-free operation. The all-in-one unit (control unit with speaker, radiotelephone and DSC) has high sensitivity performance, Hi-Fi output and protection rate of IP56.



Block Channel Function |

The inland version of the JHS-800S A-Class marine VHF radio has been updated with a new function called Block Channel Function.

The inland waterways in Europe are divided into different block areas, each using a different VHF channel. Normally the crew has to change the VHF channel manually. This is no longer necessary because of the Block Channel Function. The VHF channel is automatically adjusted to the correct block channel when the ship moves from one block area to another. This will reduce manual operational errors and ultimately contributes to a safer voyage.



Overview |

This equipment has standard functions that include regular radiotelephone and DSC (digital selective calling) for distress transmissions, as well as functions to playback and record radio calls in real-time and an easy-to-operate self-diagnosis function.

Touch display |

As of February 2019 the JHS-800S is the world's first Class A marine VHF radio-telephone featuring a 5-inch high-brightness color LCD touch screen, which makes it an outstanding innovative design.

The backlights of the LCD screen with a wide viewing angle and the operation buttons are fully adjustable, preventing interference while keeping night watch.



Bluetooth® |

The JHS-800S even has a Bluetooth® interface for connecting to an external wireless speaker microphone (option).

- The Bluetooth® word mark and logos are registered trademark of Bluetooth SIG, INC.
- Bluetooth® interface: Bluetooth® 3.0 Class2
- Wireless speaker mic is a product made by SAVOX Corporation.

Audio |

The digital audio amplifiers, equalizer function for deep-normal-high voice, specially designed speakers and new handset offer superior sound quality. A remote standalone microphone and pedalswitch can be connected to via a junctionbox.

It is possible to operate the VHF with optional controllers up to 100 m away from the bridge.



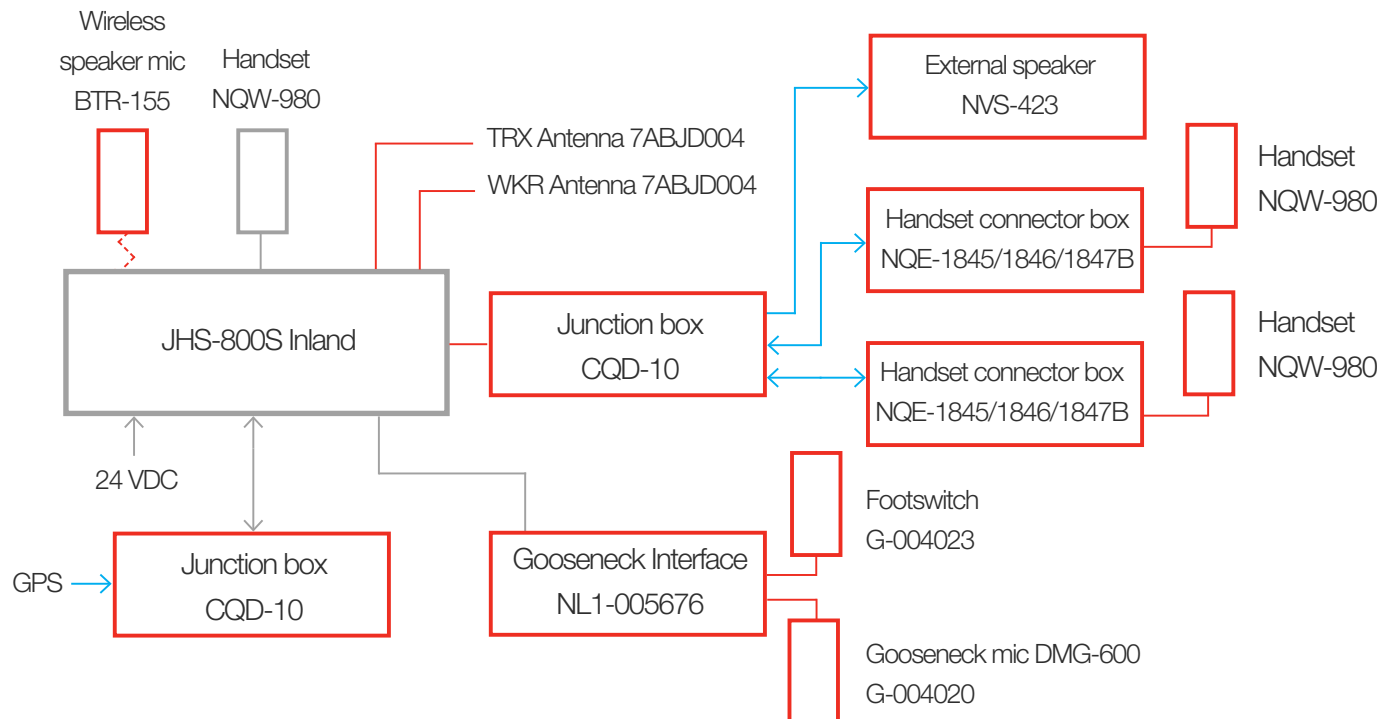
Voice recording |

The received voice recording (up to 8 minutes) and playback function enables later confirmation or temporary saving of communications.

System diagram |

It is possible to expand to a maximum of 4 units.

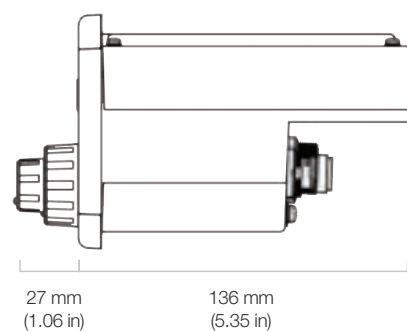
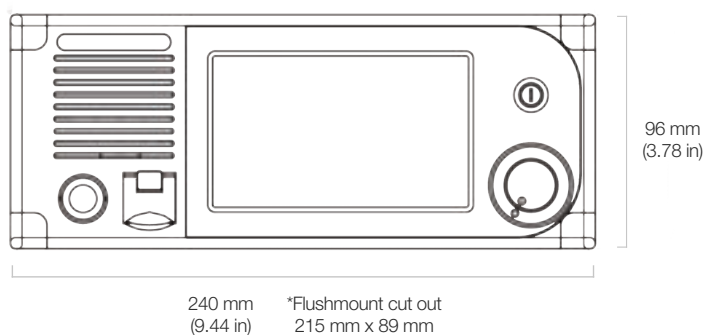
— Optional
— Shipyard supply



Tech Specs |

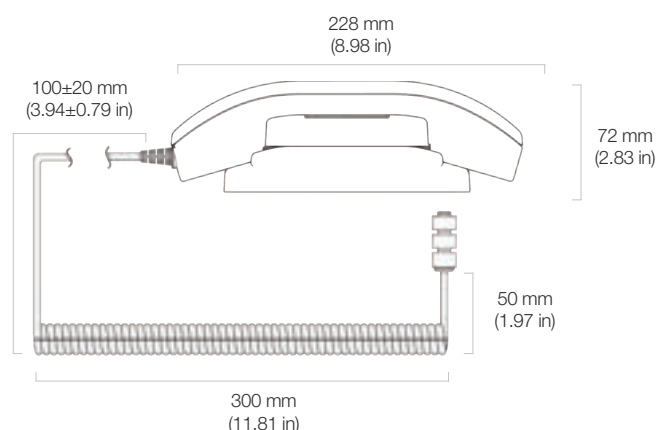
Marine VHF radiotelephone RoHS

JHS-800S Weight 2.1 kg (4.63 lbs)



Handset RoHS

NQW-980 Weight 0.45 kg (0.99 lbs)



Specifications |

JHS-800S Inland - Marine VHF radiotelephone	
Standard	IMO resolution A.694 (17) (1991) IMO resolution A.803 (19) (1995) IMO resolution MSC.68 (68) (1997) IMO MSC / Circ.862 (1998) IEC 60945 Ed.4.0 (2002-08)
Display	5 inch TFT color LCD 800 × 480 dots (WVGA) Brightness: 1000 cd/m2
Communication modes	Simplex and semi-duplex press talk system
Transmission frequency	Simplex / semi-duplex: 155.000 - 163.500 MHz
Reception frequency	Simplex / semi-duplex: 155.000 - 163.500 MHz
Antenna output power	6 - 25 W (when reducing: 0.5 - 1 W)
Modulation method	FM / FSK
Type of emission	Radiotelephone communications F3E / G3E / DSC / ATIS : F2B / G2B
Channel spacing	25 kHz
Frequency accuracy	±10 × 10-6 or less
Antenna impedance	50 Ω unbalanced
DSC CH70 receiver	Receiver: built in Frequency: 156.525 MHz
Number of channels	Inland waterway: Maximum 65 ch Private: Maximum 200 ch (Channel steps: 25 kHz, 12.5 kHz, 10 kHz) Weather: Maximum 10 ch Memory: Maximum 10 ch
Power supply voltage	24 VDC: 4.5 A
Power consumption (24 VDC input)	25 W when transmitting: Maximum 4.5 A / 108 W When receiving: Maximum 1.5 A / 36 W
Interface	
Ports	IEC 61162 - 1: 1 port For GPS information input Voice line output (600 Ω, balanced): 1 port For VDR / S-VDR connection Voice line output (600 Ω, unbalanced): 1 port For external speaker connection
Audio output	Built-in speaker (4 Ω): 6 W or more Handset (150 Ω): 1 mW or more
NMEA0183 version	Ver 1.5 / 2.0 / 2.3
NMEA0183 input sentence	ALR, GGA, GLL, GNS, RMC, VDM, VDO, ZDA
Environment	
Operating temperature	-25°C to +55°C
Storage temperature	-40°C to +80°C
Waterproofing	Marine VHF radiotelephone: IP56 Handset: IP66 VHF controller: IP56

In the box

• Marine VHF radiotelephone	JHS-800S
• Handset	NQW-980
• Power cable	CFS-810
• Accessory cable	CFS-820
• Bridge card	7ZPJD0741
• Spare parts	0997015.WXN

Optional

For Marine VHF radiotelephone

• CAN cable	CFS-830
• AUX cable	CFS-840
• Connection box	CQD-10
• Handset connection box	NQE-1845
• Wireless speaker mic	BTR-155
• Desktop kit	G-006081
• Gooseneck interface	NL1-005676
Microphone	G-004020
Mounting	G-004019
Footswitch	G-004023
• VHF controller	NCM-980
• Desktop kit	G-007119
• External speaker	NVS-423R
• Wall mount - flush mount type	NVS-823R



ALPHATRON
Marine



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