



International Maritime Service VHF TRANSCEIVER JRV-600

For Coast Stations, 150MHz, 50W, International Maritime Channels & 6 Private Channels Provided.



FEATURES

- Continuous 24-hour operation at a rated output power of 50W
- Fully synthesized frequency controlled by microprocessor
- Suited for GMDSS using DSC in VHF coast stations
- JRV-600 has three types for remote controlling (MODEM type/SERIAL type/LAN type)
- Corresponds to narrow band(12.5kHz)

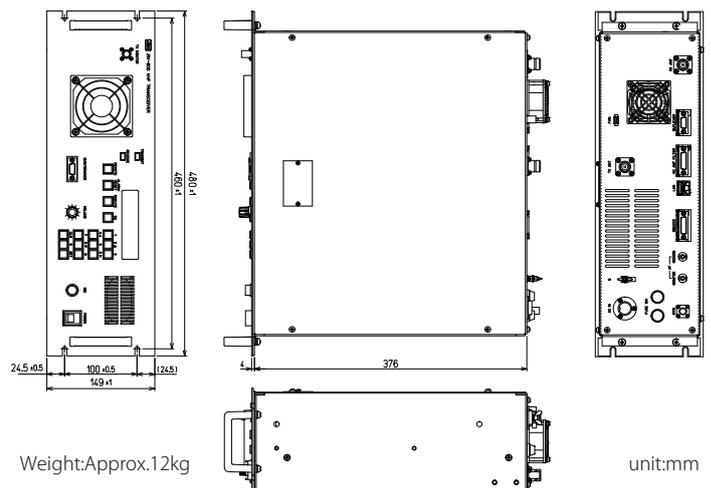
GENERAL

The JRV-600 International Maritime VHF TRANSCEIVER is designed to be installed in coast stations for shore-to-ship radio communications in accordance with the Radio Regulations recommended by ITU. The equipment operates on international maritime channels plus to 6 private channels in the 150MHz band. The JRV-600 provides a rated output power of 50W for continuous 24-hour operation and is suited for GMDSS using Digital Selective Calling(DSC) in VHF coast stations.

Dimensions&Weight



VHF TRANSCEIVER [JRV-600]



Weight: Approx. 12kg

unit:mm

SPECIFICATIONS

■ GENERAL

Frequency range/channel spacing	156-163MHz; 25kHz(Wide Band)in RR AP-18/12.5kHz(Narrow Band)in ITU-R M.1084-4
Number of private channels	6 CH
Type of emission	G3E(F3E-at 6dB/Octave pre-emphasis)
Antenna impedance	50 ohms(nominal), unbalanced
Remote control	MODEM(4W), SERIAL(RS-422), LAN(VoIP)
Control and supervisory items	Channel select (memory channel select), power on/off, press on/off, squelch on/off
Supervisory items	Local/remote, Transmit/Receive, alarms(Tx PLL unlock, Rx PLL unlock, low output power, overheat)
Ambient temperature	0 to+50°C
Storage temperature	-20 to+60°C
Power supply	85-264VAC, 50/60Hz, 300VA or less (at 100V AC)

■ TRANSMITTER

Output power	50W±10%/10W±3W(POWER REDUCE mode selected)
Operation	Continuous
Frequency oscillation	PLL frequency synthesized
Frequency tolerance	Within ±1X 10 ⁻⁶
Occupied bandwidth	16kHz or less(Wide Band)/11kHz or less(Narrow Band)
Frequency deviation	Within±5kHz(Wide Band)/Within±2.5kHz(Narrow Band)
Spurious and harmonics	Out of band region: -80dB or less from carrier / Spurious region : -60dB or less from carrier
Microphone input impedance	600 ohms(nominal), unbalanced
AF frequency characteristic	Within -10.5 +1dB and -3dB at 0.3kHz / Within + 9.5 +1dB and -3dB at 3kHz for +20% modulation at 1kHz modulation frequency.
Distortion	3% or less* ¹
Signal to noise ratio	Wide Band : 45dB or less* ¹ / Narrow Band: 39dB or less* ¹
External AF input level	-10dBm±3dB * ¹ ; 0dBm to -20dBm adjustable
External AF input impedance	600 ohms(nominal), balanced

■ RECEIVER

Receiving system	Double superheterodyne
Local oscillation	PLL frequency synthesized
Receiving sensitivity	Wide Band : 0dB μ e.m.f or less for 20dB noise quieting * ² Narrow Band: -4.5dB μ e.m.f or less for 12dB EIA SINAD, for 80% modulation at 1kHz modulation frequency * ²
Spurious response	80dB or more * ²
Intermodulation	75dB or more * ²
Signal to noise ratio	Wide Band : 45dB or more * ¹ * ² * ³ Narrow Band: 39dB or more * ¹ * ² * ³
Distortion	5% or less * ¹ * ² * ³
External AF output	-10 dBm ±3dB* ¹ ; 0dBm to-20dBm adjustable
External AF output impedance	600 ohms (nominal), balanced

*¹ The standard modulation means 60% modulation at 1kHz modulation frequency.

*² Without using a receiving antenna filter

*³ At standard modulation and antenna input of 40dB μ e.m.f

• Specifications may be subject to change without notice.

For further information, contact:



Since 1915

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