



GPS RECEIVER

GPS 124



- Capable of SBAS (WAAS/EGNOS/MSAS) correction
- RAIM function is available
- 12-Channel Parallel for simultaneous reception of 12 satellites.
- IEC61162-1, NMEA0183 Output



Japan Radio Co., Ltd.

FEATURES

Internal SBAS receiver

The GPS124 includes a SBAS (WAAS/EGNOS/MSAS) receiver. By using SBAS you can achieve precise position.

RAIM function

The accuracy of position fixes is self-tested by the GPS124. (RAIM function)

This function assures higher reliability to the position fix than conventional method.

12-Channel Parallel for Receiving 12 Satellites Simultaneously

The GPS 124 is designed to simultaneously receive signals from 12 orbiting satellites, ensuring the most accurate positioning.

IEC61162-1, NMEA0183 Output

Since the output data is changeable between IEC61162-1 (NMEA0183 version 2.3), NMEA version 1.5 and 2.1, you can connect the GPS124 to various Marine Electronics Equipment such as Marine Radars, Fishfinders, Plotters, or others.

SPECIFICATIONS

GPS Specifications

Receiver type: Multichannel (12-CH, SBAS 1-CH) all-in-view
 Frequency: 1575.42MHz \pm 1MHz (C/A code)
 Sensitivity: -135dBm for acquisition, -138dBm for tracking
 Accuracy: 30m 2DRMS (C/A code, HDOP \leq 4, SA OFF)
 7m 2DRMS when SBAS corrected
 Time to first fix: Typically 40 seconds (cold start fix)
 Typically 33 seconds (warm start fix)
 Position update: Normally every 1 second

General

DGPS input: RTCM SC-104 ver. 2.0 type 1, 2, 7, 9 available
 Data output: Signal output port, TTL level
 IEC61162-1 (NMEA0183 ver. 2.3), NMEA 0183 ver. 1.5 or 2.1 selectable

IEC61162-1

(ver2.3) GGA, RMC, VTG, ZDA, DTM, GBS, GNS

ver1.5 GGA, RMC, GLL, VTG

ver2.1 GGA, RMC, GLL, VTG, DTM

Geodetic datum: 46 (WGS-84, WGS-72, Japan, America, Canada / Alaska, Europe, Australia, England, NAD-83, other 37 selectable)

Input voltage: 12/24 VDC +30%, -10% (less than 1.5W)
 (Power Consumption)

Data cable: 10m

Operating temperature: -25°C to 70°C

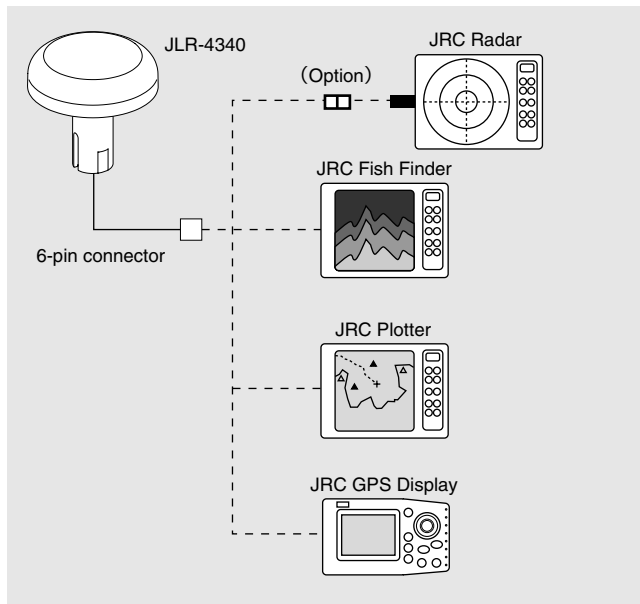
Water proof: USCG CFR-46/IEC60945

COMPONENTS

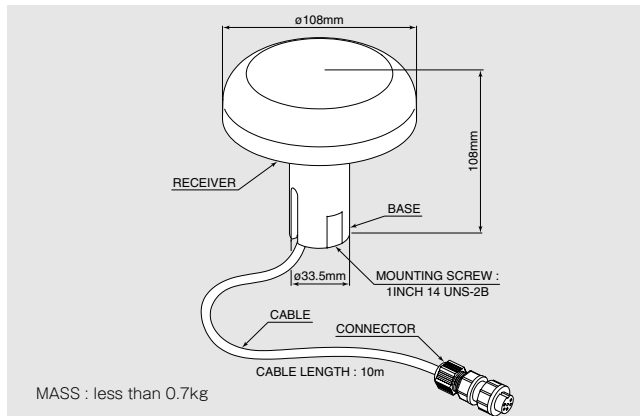
No.	Name	Type	Q'ty	Remarks
1	GPS Receiver	JLR-4340	1	includes 10m cable
2	Instruction manual		1	

●Option :15m Extension Cable CFQ-8773

SYSTEM CONFIGURATION



OUTLINE DRAWING



●Specifications subject to change without notice.

Caution
 Before attempting to operate this unit, read the instruction manual thoroughly to correctly and safely operate the unit.

For further information, contact:

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