



# 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

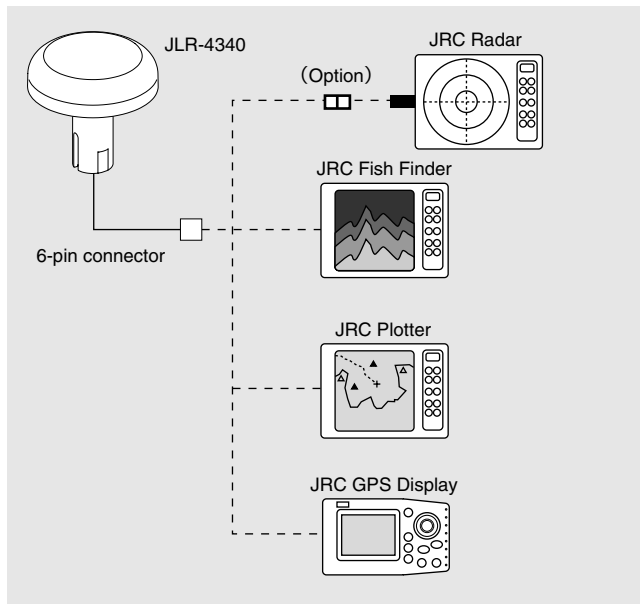
Water proof: USCG CFR-46/IEC60945

## COMPONENTS

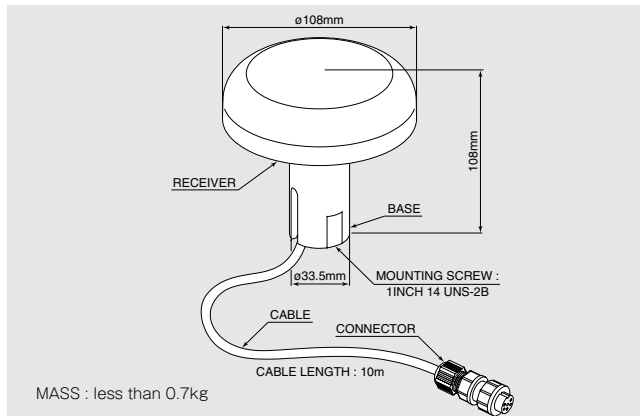
No.	Name	Type	Q'ty	Remarks
1	GPS Receiver	JLR-4340	1	includes 10m cable
2	Instruction manual		1	

●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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