

ICOM

INSTRUCTION MANUAL

GPS RECEIVER
GP-22



Icom Inc.

Thank you for purchasing the Icom GP-22 Handheld GPS Receiver. This unit has been designed to provide you with many years of exceptional performance.

You may use this GPS receiver in the following situations.

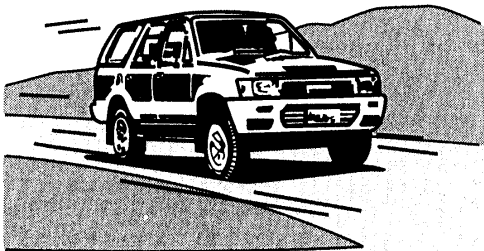
On Land



When you go mountain-climbing or skiing,

you can find your exact position even if you get lost in the middle of nowhere.

Enter the position of a mountain hut or some other landmark you would like to locate.



When you travel by car or bicycle,

you can find the exact position, bearing and range to your destination.



When you find a beautiful spot you would like to return to,

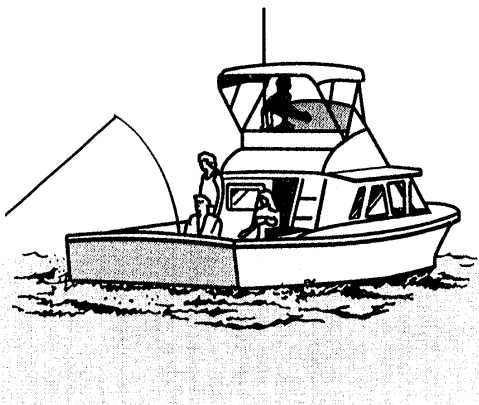
you can find the latitude and longitude and save the data for future use.

IMPORTANT

READ ALL INSTRUCTIONS carefully and completely before using the receiver.

SAVE THIS INSTRUCTION MANUAL — This instruction manual contains important safety and operating instructions for the GP-22.

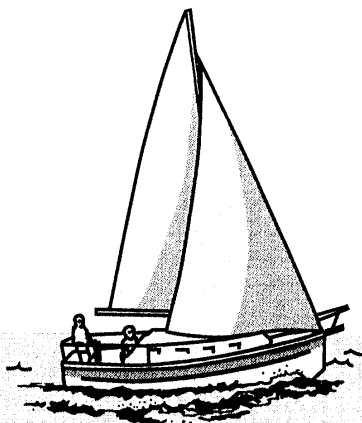
At Sea



When you find a great fishing spot,

you can find and save the latitude and longitude of this point.

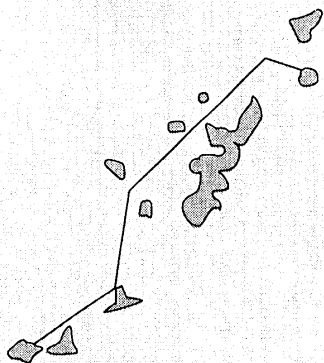
When you return to this location, an arrival tone sounds to let you know.



When you are sailing,

you can navigate while confirming your present position.

The position of a lighthouse or harbor can be saved in the GPS receiver beforehand.



When you sail along a pre-planned route,

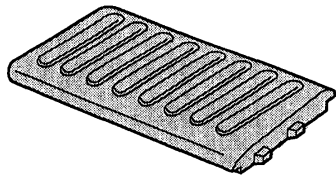
you can find the cross track error from the route and revise the heading.

IMPORTANT

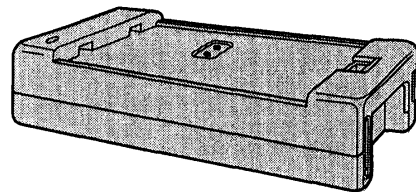
This device is designed as an aid to navigation only.

The performance of this device can be affected by many factors, such as but not limited to, environmental conditions, improper handling, satellite signal availability, etc. It is the user's responsibility to follow good navigational practices and to utilize common sense at all times. Use of this device does not relieve the user of these responsibilities.

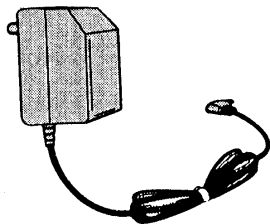
Accessories



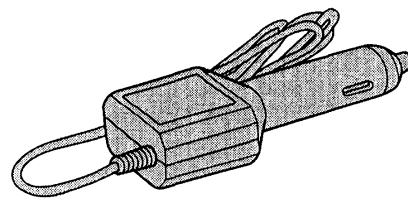
Rechargeable Nickel Metal
Hydride Battery Pack 1



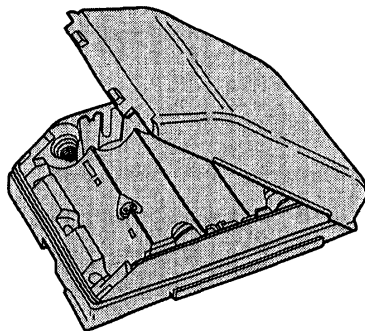
Battery Charger..... 1



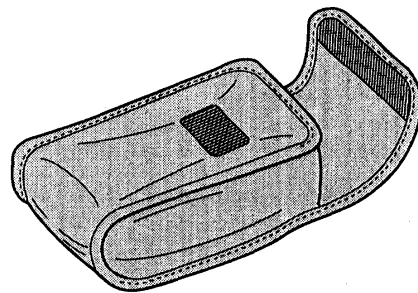
AC Adaptor
(For Battery Charger) 1



Cigarette Lighter Cable
(For Battery Charger) 1



Battery Case for AA (R6)
Batteries 1
(Batteries not included)



Carrying Case 1

Set Up	1
Pre-operation	2
The Four Function Modes	Position 3
	Navigation 4
	Confirmation 5
	Program 6
Appendices	7

Table of Contents

	Page
Precautions	8
GPS Technology	10
1 Set Up	
Location of Controls	12
Installing the Rechargeable Battery	15
Installing Alkaline Batteries	19
Instructions for Battery Use	22
2 Pre-operation	
Turning Power On	27
Adjusting Datum to Regional Standards	28
Adjusting to Local Time	30
Programming Continuous or Single Calculation Mode	32
Changing Units of Latitude/Longitude	34
Changing Units of Altitude	36
Changing Units of Distance and Speed	38
Collecting an Almanac	40
 THE FOUR FUNCTION MODES	
3 Position Mode	
Displaying Date and Time	44
Calculating Current Position	45
Determining Altitude	46
Waypoints and Latitude/Longitude	47
Entering Current Position into a Waypoint	48
Bearing and Range to a Destination	50
Displaying Bearing and Range to a Destination	51
4 Navigation Mode	
Displaying Bearing and Range to a Waypoint	53
Displaying Heading/Speed	54
Displaying Cross Track Error	55
Displaying Estimated Time of Arrival/Enroute	58
Using Waypoint Zero (From-To)	60

	Page	
5	Confirmation Mode	1
	Confirming an Entered Waypoint's Latitude/Longitude.....	63
	Confirming Waypoint Numbers Entered in a Route.....	64
	Displaying Bearing/Range Between Any Two Waypoints	66
6	Programming Mode	2
	Entering Latitude/Longitude of a Waypoint	70
	Changing Entered Latitude/Longitude	72
	Clearing Entered Latitude/Longitude.....	74
	Route Planning	76
	Creating a Route	78
	Selecting a Route	80
	Clearing a Route.....	82
7	Appendices	3
	Function Summary Chart.....	84
	Display Characters.....	86
	World Time Difference Table	88
	Explanation of Terms.....	89
	World Datum List	95
	Conserving Battery Power	102
	Saving Latitude/Longitude.....	102
	Maintenance.....	103
	Troubleshooting Guide.....	104
	Specifications	105
	Accessory Order Information	106
	Product Service.....	107
		4
		5
		6
		7

Precautions

Do not leave the GP-22 in the following places.

● In extremely dusty and humid environments.
(May cause the receiver to malfunction.)

● In areas subject to intense shocks and/or vibrations.
(May cause the receiver to malfunction.)

● In direct sunlight for long periods of time.
(May cause the receiver to malfunction and may damage the LCD or case.)

● Inside a parked car which is exposed to direct sunlight.
(May cause the receiver to malfunction and may damage the receiver.)

● In areas where the temperature is below -10°C (14°F) ; above 50°C (122°F).

● In severely cold places for long periods of time.
(May cause the receiver to malfunction and may affect the LCD.)

Handling Instructions

● Do not disassemble the receiver or battery charger. (May cause them to malfunction.)

● Do not cut the battery charger cord. (May cause an electric shock.)

● Do not drop or treat the receiver roughly. (May cause the receiver to malfunction.)

● Do not short-circuit the rechargeable battery. (May result in a fire hazard.)

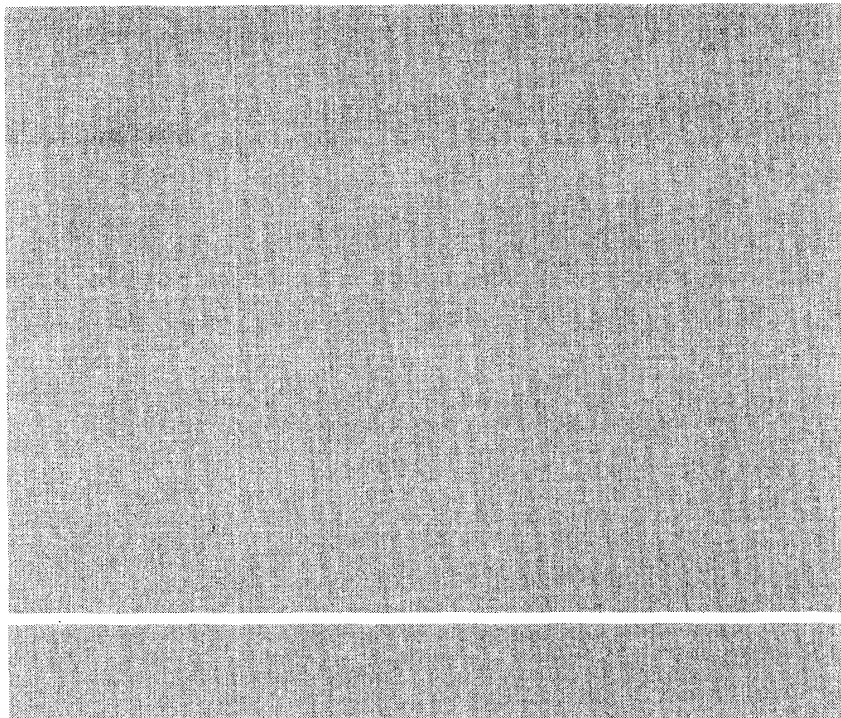
● Do not immerse the receiver in water. (May cause the receiver to malfunction.)

Important Notice

This device is designed as an aid to navigation only.

The performance of this device can be affected by many factors, such as but not limited to, environmental conditions, improper handling, satellite signal availability, etc. It is the user's responsibility to follow good navigational practices and to utilize common sense at all times. Use of this device does not relieve the user of these responsibilities.

Count on us!



A-5241@-1EX
Printed in Japan
Copyright © 1993 by Icom Inc.

PQQX10444ZA S0193K0

Icom Inc.
6-9-16, Kamihigashi, Hirano-ku, Osaka 547, Japan
