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## Magellan 980616-20

# Magellan SporTrak Color Water Resistant Hiking GPS

## USER MANUAL

### Introduction

The Magellan SporTrak Color GPS is a rugged, compact, and lightweight device designed for navigation in various environments, including cities and mountains. It features a high-contrast, full-color 240 x 160-pixel display, providing clear visibility of your location and route. This manual provides detailed instructions for setting up, operating, and maintaining your SporTrak Color GPS to ensure optimal performance and longevity.

### Key Features

- Large 240 x 160 pixel, high contrast, backlit, full-color display.
- Utilizes WAAS (Wide Area Augmentation System) and EGNOS (European Geostationary Navigation Overlay System) for accuracy within 3 meters.
- Integrated barometer and 3-axis compass.
- Features include Save Track-to-Route, sun/moon positions, fish and game calculator, and satellite status.
- Compact, lightweight, rugged, and waterproof design (sealed to IEC-529 IPX7 specifications).

### What's in the Box

Upon unboxing your Magellan SporTrak Color GPS, verify that all the following components are included:

- Magellan SporTrak Color GPS device
- PC cable
- User's manual (English and French)
- User's manual on CD-ROM (in nine languages)
- Two AA batteries
- Wrist strap



Figure 1: Contents of the Magellan SporTrak Color GPS packaging, showing the device, PC cable, manuals, and wrist strap.

## Setup

### Battery Installation

1. Locate the battery compartment on the rear of the device.
2. Open the battery cover.
3. Insert two AA batteries, ensuring correct polarity as indicated inside the compartment.
4. Close the battery cover securely to maintain water resistance.



Figure 2: Battery compartment showing two AA batteries installed.



Figure 3: Rear view of the device with the battery cover closed.

## Operating Instructions

### Powering On/Off

Press and hold the power button (usually located on the side or top) to turn the device on or off.

## Navigating Menus

The SporTrak Color features intuitive controls. Major functions are described with step-by-step instructions built into the unit. Use the directional pad and selection buttons to navigate through menus and options.



Figure 4: Device display showing satellite signal acquisition and power status.

## Mapping and Navigation

The device includes a 10 MB built-in mapping database for North America, covering highways, major roads, parks, waterways, airports, cities, and marine navigation aids. You can expand mapping capabilities by uploading detailed maps from optional Magellan MapSend software (up to an additional 22 MB).



Figure 5: Map display showing geographical features and roads.

The unit can store up to 20 routes, 500 waypoints, and 2,000 track-points. The Save Track-to-Route feature allows conversion of complicated track files into easy-to-follow routes. Hundreds of routes can be saved by transferring

them to a PC using optional MapSend software.

### **Customizable Navigation Screens**

Nine customizable graphic navigation screens are available, including map, compass, and speedometer. These screens provide text readouts of heading, bearing, speed, direction, and Estimated Time of Arrival (ETA). You can choose from 12 built-in coordinate systems and 76 datums, including Latitude/Longitude, Universal Transverse Mercator, and Military Grid Reference System.

### **Barometer and Compass**

A built-in barometer assists in weather forecasting. The innovative three-axis compass offers superior navigational accuracy regardless of how the device is held.



Figure 6: Weather screen displaying barometer and temperature data.

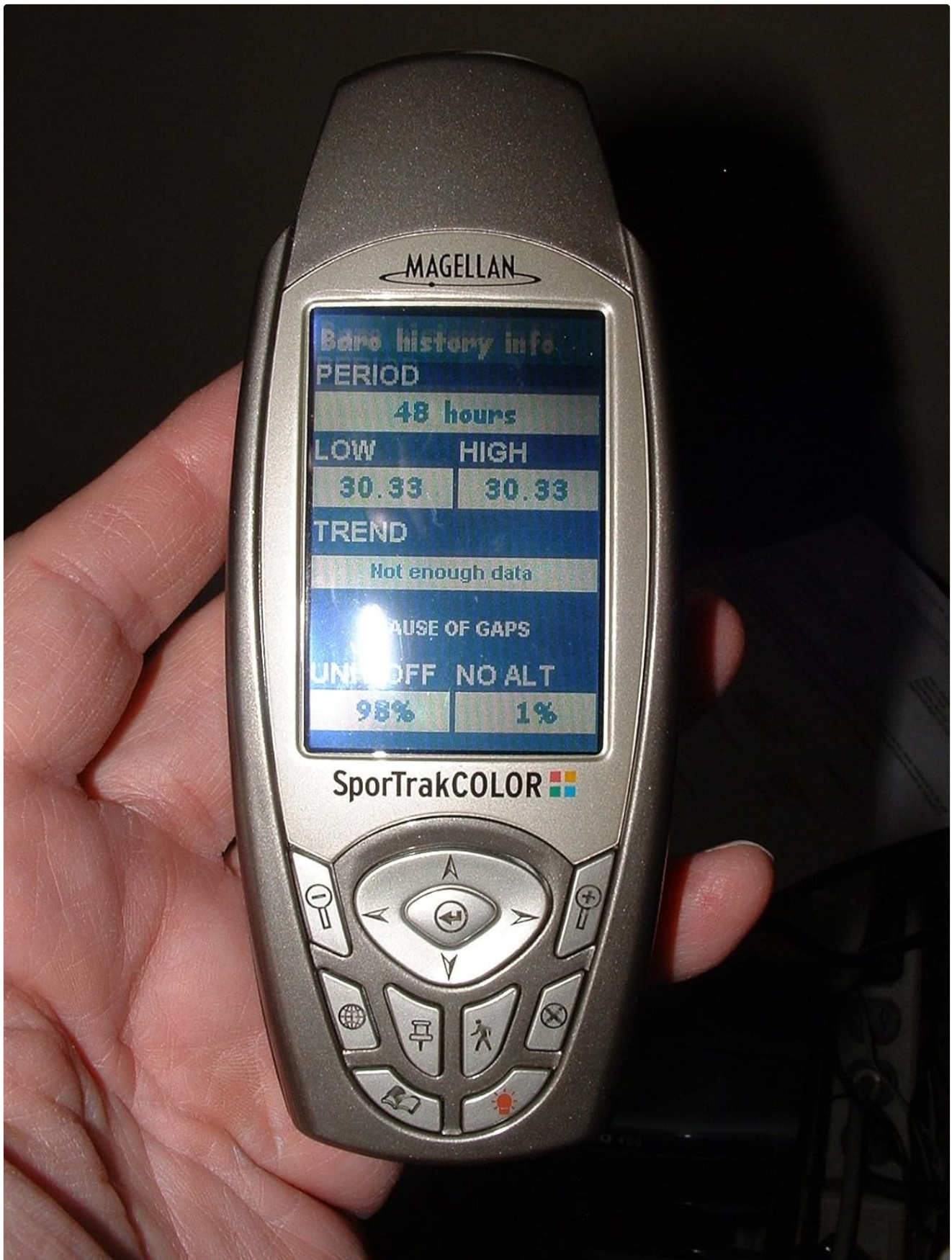


Figure 7: Barometer history screen.

### Additional Functions

The device can display sunrise and sunset times, moon phases for any date and location, and even provide a fish and game biting calculator. It also monitors GPS satellites in view and provides status information.



Figure 8: Device information screen.

## Maintenance

### Cleaning

Wipe the device with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners, as they may damage the screen or casing.

## Storage

When storing the device for extended periods, remove the batteries to prevent leakage. Store in a cool, dry place away from direct sunlight.

## Troubleshooting

| Problem                                  | Possible Cause   | Solution  |
|--|--|---|
| Device does not power on.                | Low or dead batteries; incorrect battery installation.               | Replace batteries with fresh AA batteries. Ensure correct polarity.                               |
| Poor GPS signal reception.               | Obstructed view of the sky (indoors, dense foliage, tall buildings). | Move to an open area with a clear view of the sky. Allow time for satellite acquisition.          |
| Screen is dim or unreadable in daylight. | Contrast settings; direct sunlight glare.                            | Adjust contrast settings in the device menu. Shield the screen from direct sunlight.              |
| Device not connecting to PC.             | Incorrect cable; driver issues; software not installed.              | Ensure correct PC cable is used. Install necessary drivers and Magellan software from the CD-ROM. |

## Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Model Number</b>                  | 980616-20   |
| <b>Display Resolution</b>            | 240 x 160 pixels                                      |
| <b>Screen Size</b>                   | 2 Inches  |
| <b>Connectivity Technology</b>       | Serial  |
| <b>Battery Life</b>                  | Up to 14 hours (with AA batteries)                    |
| <b>Water Resistance</b>              | Sealed to IEC-529 IPX7 specifications (floats)        |
| <b>Item Weight</b>                   | 1.55 pounds   |
| <b>Dimensions</b>                    | 8.8 x 5.9 x 3.1 inches (Package)                      |
| <b>Internal Memory</b>               | 10 MB built-in mapping database (expandable by 22 MB) |
| <b>Waypoints/Routes/Track-points</b> | 500 waypoints, 20 routes, 2,000 track-points          |
| <b>GPS Accuracy</b>                  | Within 3 meters (WAAS/EGNOS enabled)                  |

## Warranty and Support

For warranty information and technical support, please refer to the official Magellan website or contact Magellan customer service. The user manual on CD-ROM provides additional details and is available in multiple languages. You can also find more information and support resources on the [Magellan Store on Amazon](#).

A PDF version of the user manual is also available for download:[User Manual \(PDF\)](#).

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