

Apollo 360 GPS Receiver

Quick Reference Guide



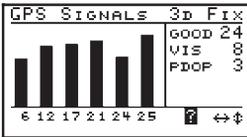
Use this **Quick Reference Guide** to quickly review:

- How to use the eight navigation screens, with special information on:
 - Moving maps Zoom feature
 - Creating and editing routes
- How to GOTO any waypoint using the GOTO/NRST key
- How to GOTO a nearest waypoint using the GOTO/NRST key
- How to get extra waypoint information using the INFO key
- How to create custom waypoints with the WPT key
- How to use features available with the MENU key

First Power Up

The first time the Apollo 360 GPS is powered on, it will need to know the approximate time, date, latitude, and longitude in order to look for specific GPS satellites. Afterwards, the Apollo 360 GPS will remember the last known position, and will update the current time automatically, even when turned off. Setting up this information is done using the Menu: Time and Place feature, and is fully described in the *Users Guide* — *Getting Started* section.

The eight **navigation screens** form the core of the Apollo 360 interface, and are displayed whenever not accessing the MENU, GOTO/NRST, WPT, or INFO functions. Rotate the LARGE knob to view each screen. For full details refer to the *User's Guide — Chapter: Topic* as indicated below.



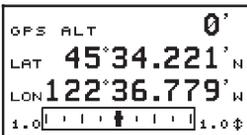
GPS satellite information

Rotate the SMALL knob to view individual satellite information. Refer to *Navigating a Trip: GPS Signal Strength*.



Current alert messages

Press the ENT key to view additional messages. Refer to *Navigating a Trip: Current Messages Screen*.



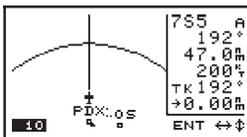
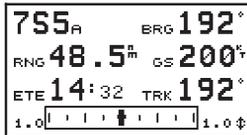
GPS altitude and lat/lon coordinates

Note that GPS altitude is not the same as barometric altitude. Refer to *Navigating a Trip: Present Position Screen*.



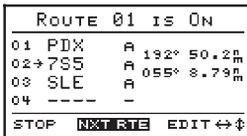
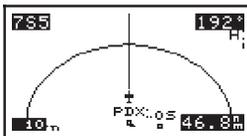
General navigation information (two screens)

Refer to *Navigating a Trip: Bearing / ETA / Track Screen* and *Bearing / Range / Ground Speed Screen*.



Moving maps (two screens)

The lower left corner of the moving maps shows the current map Zoom scale, which is changed by rotating the SMALL knob. The Auto Zoom scale automatically zooms in on the TO waypoint as you fly. Refer to the *Navigating a Trip: Moving Map* sections, and *Navigating a Trip: Zooming In or Out* and *Auto Zoom* sections.



Routes

Additional information for using routes is provided on the next page. Refer to the *Navigating a Trip: Route* subsections.

Using Routes

To edit a route, select the route screen. Rotate the SMALL knob to the Edit option and press the ENT key. Rotate the SMALL knob to select waypoint INSERT, CHANGE, or DELETE options, then press the ENT key. Edit the waypoint using the LARGE and SMALL knobs, then press the ENT key to save the waypoint in the route. When the route is complete, select the DONE option and press the ENT key.

To activate and fly a route, select the route screen. Select the desired route by pressing the ENT key when the NXT RTE option is selected. Rotate the SMALL knob to select the START option, then press the ENT key. Press ENT key again to start in forward order, or rotate the SMALL knob to select the REVERSE route option, then press the ENT key.

GOTO
NRST

```
PRESS ENTER TO GOTO
PDX      ARPT
PORTLAND
DIST 44.2#  BRG 005°
PRESS GOTO FOR NRST ↔
```

To enter a **direct GOTO** waypoint, press the GOTO/NRST key once. Rotate the LARGE and SMALL knobs to update the waypoint identifier or data type. Press the ENT key to activate the waypoint. Refer to *Getting Started: Entering a Destination Waypoint*.

```
PRESS ENTER TO GOTO
→PDX  A 012° 6.74#
PDX  V 008° 6.83#
60S  A 348° 7.76#
59S  A 021° 10.1#
QUIT  GOTO NRST ↔
```

To search for **nearest waypoints**, press the GOTO/NRST key twice. The nearest 30 waypoints will be displayed and can be selected by rotating the LARGE knob. Press the ENT key to GOTO the selected waypoint. Refer to *Navigating a Trip: Searching for Nearest Waypoints*.

INFO

```
PDX  A 012° 7.25#
PORTLAND INTL
PORTLAND
ELEV 27'  OR USA
AVGAS/JET PUBLIC
PRESS INFO TO EXIT ↓
```

To view **waypoint information**, press the INFO key. When displaying navigation screens, information is for the TO waypoint. When viewing the GOTO or nearest waypoints or editing a route, information is for the selected waypoint. Rotate the LARGE knob to view additional information. Press the INFO or ENT keys to exit the Info screen. Refer to the *User's Guide — Waypoint Database*.

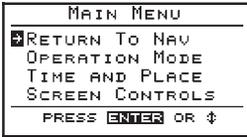
WPT

```
PRESS ENTER TO CREATE
WPT #0001 AT 012°
45°28.901'N 0.22#
122°41.245'W
RAD 189°  DIST 7.55#
PDX      WOR      ↔
```

Create User waypoints at any time by pressing the WPT key. Change the waypoint information by rotating the LARGE and SMALL knobs. When



complete, press the ENT key. Refer to Navigating a Trip: Creating Waypoints.



The MENU key accesses the Main Menu, which provides system setup information. While viewing this screen, rotate the LARGE knob to select a menu option, then press the ENT key to view the option screen.

To return to the navigation screens at any time, press the MENU key, then press the ENT key.

Main Menu Options

Return To Nav: Return to the navigation screens

Operation Mode: Begin simulator operation, or select aviation operation

Time and Place: Set the initial position, date, and time for the GPS sensor the very first time you power up

Screen Controls: Change contrast and brightness settings

Map Setup: Choose moving map display options for airspaces, route paths, and map orientation

Declutter Maps: Choose which types of waypoints are displayed on the moving maps and in the nearest waypoints list

Track Point Hist: Choose whether a trail showing where you have been is displayed on the moving maps

Arrival Alerts: Choose the waypoint arrival alert radius

Airspace Alerts: Choose the airspace alert options for distance and time

CDI Scale: Choose the full scale deflection value for the course deviation indicator

Magnetic Var: Choose a magnetic variation: automatic, manual, or true north

Countdown Time: Start a countdown timer to give an alert message

Display Units: Choose distance, altitude, and position units of display for navigation

Serial Outputs: Use to select serial output interfaces including moving map (NMC data format), NMEA, PC, and GPS data

User Wpt Mgmt: Modify or delete waypoints that were created with the WPT feature

System Info 1: View current version information

System Info 2: View more current version information

Refer to the Users Guide — Menu Function Options for detailed information.